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COVID-19 Highlights

Headlines of the Week
COVID-19 HEADLINES OF THE WEEK • As of November 25, 2020

Millions Of Americans Traveling For Thanksgiving, Ignoring CDC Advice

Unemployment Claims Jump For 2nd Week As Pandemic Rages

Los Angeles Times

AstraZeneca-Oxford COVID-19 vaccine looks effective and cheaper

Los Angeles Times

Daily California coronavirus cases triple as pandemic dramatically worsens

Los Angeles Times

Covid Combat Fatigue: ‘I Would Come Home With Tears in My Eyes’

Doctors and nurses on the front lines are running on empty, under increasing duress as the pandemic surges and hospitals are overrun with patients.
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 1.27 with an uncertainty of 1.17 to 1.41. Last week the estimate was 1.17 with an uncertainty of 1.10 to 1.27. 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 go up rapidly. Shortages in the number of hospital beds and ICU beds are likely 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 suggests that about 0.69% of everyone in Los Angeles County is currently infected and infectious to others (uncertainty of 0.39% to 1.24%).

This suggests about 1 in 145 Los Angeles County residents are currently infectious to others (uncertainty between 1 in 260 and 1 in 80). Last week this estimate was 1 in 250.

Source: Los Angeles County Department of Health, COVID Tracking Project
Effective Transmission Number “R”
As of November 23, 2020

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: From Last Week
As of November 16, 2020

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Page 8
Hospital New Patient Projections
As of November 23, 2020

Effect of Physical Distancing

Where we are today

Uncertainty with no change in transmission behavior

Additional uncertainty if transmission behavior varies

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Predictions of Demand in LA County | Hospital Beds
As of November 23, 2020

Bed Capacity for COVID-19 Patients

Where we are today

Uncertainty with no change in transmission behavior

Additional uncertainty if transmission behavior varies

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Predictions of Demand in LA County | ICU Beds
As of November 23, 2020

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
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Predictions of Demand in LA County | Ventilators
As of November 23, 2020

Ventilator Availability for COVID-19 Patients

Where we are today

Uncertainty with no change in transmission behavior

Additional uncertainty if transmission behavior varies
Predictions of Daily Mortality LA County
As of November 23, 2020

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

53% (uncertainty 36% to 70%)

½ way between Pre-order and Current Levels

69% (uncertainty 62% to 76%)

Increases to Pre-order Levels

79% (uncertainty 76% to 83%)

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

*(This includes adults and children)
What about Influenza?

As of November 23, 2020

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.
COVID-19 DATA SUMMARY

Data Snapshot
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.

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On 11/23, LA County reached the second threshold (it has since dropped back below)
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

**METRICS**
As of Nov 24 2020, 1 PM

<table>
<thead>
<tr>
<th>Metric</th>
<th>Reporting Date</th>
<th>Rate</th>
<th>% Diff vs Last Week</th>
<th>Last Week Reporting Date</th>
<th>Last Week Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>New COVID-19 positive cases per 100K</td>
<td>11/24</td>
<td>31.9</td>
<td>+54.9%</td>
<td>11/16</td>
<td>20.6</td>
</tr>
<tr>
<td>Adjusted case rate for tier assignment</td>
<td>11/24</td>
<td>16.0</td>
<td>+16.8%</td>
<td>11/16</td>
<td>13.7</td>
</tr>
<tr>
<td>Positivity Rate</td>
<td>11/24</td>
<td>6.6%</td>
<td>+1.3% (% Point Difference)</td>
<td>11/16</td>
<td>5.3%</td>
</tr>
<tr>
<td>Health Equity Metric (starting 10/6)*</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>

**County Risk Level**
- **Widespread**: Many non-essential indoor business operations are closed.
- **Substantial**: 4 - 7 daily new cases (per 100K), some non-essential indoor business operations are closed.
- **Moderate**: 1 - 3.9 daily new cases (per 100K), some indoor business operations are open with modifications.
- **Minimal**: Less than 1 daily new cases (per 100K), most indoor business operations are open with modifications.

**Last Week Reporting Date**
- 11/16
- 11/16
- 11/16
- 11/4

Source: California Department of Public Health

Prepared by Mayor’s Innovation Team

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## LOS ANGELES COUNTY KEY METRICS

### As of Nov 25, 2020, 1 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>4,381 (7-day avg)</td>
<td></td>
<td>+46.8%</td>
<td></td>
<td>+320.1%</td>
</tr>
<tr>
<td>New Deaths (7-day avg.)</td>
<td>31 (7-day avg)</td>
<td></td>
<td>+72.0%</td>
<td>-39.3%</td>
<td></td>
</tr>
<tr>
<td>COVID 7-Day Positive Test Rate (as of 2 days ago)</td>
<td>7.0% (overall)</td>
<td></td>
<td>+0.9%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Hospitalizations (7-day avg)*</td>
<td>195 (7-day avg)</td>
<td></td>
<td>+53%</td>
<td>+25.7%</td>
<td></td>
</tr>
<tr>
<td>Acute Care Bed Capacity (7-day avg)*</td>
<td>559 (7-day avg)</td>
<td></td>
<td>+0.9%</td>
<td>-49.9%</td>
<td></td>
</tr>
<tr>
<td>ICU Bed Capacity (7-day avg)*</td>
<td>105 (7-day avg)</td>
<td></td>
<td>-11.7%</td>
<td>-56.6%</td>
<td></td>
</tr>
<tr>
<td>LA City Crime (7-day avg)</td>
<td>463 daily crimes (7-day avg)</td>
<td></td>
<td>+5.9%</td>
<td>-18.5%</td>
<td></td>
</tr>
<tr>
<td>LA City Unemployment Ins. Claims (includes PUA)</td>
<td>4,750 as of 11/7/2020</td>
<td></td>
<td>+10.9%</td>
<td>+197%</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
- New Deaths
- 7-Day COVID Positive Test Rate
- New Hospitalizations
- Acute Care Bed Capacity
- ICU Bed Capacity
- City Crime
- 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)
- Acute Care Bed Capacity (vs last week)
- LA City Crime (vs baseline)

*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 11/23/20

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Source: Los Angeles County Department of Health, COVID Tracking Project
Prepared by Mayor’s Innovation Team
## LOS ANGELES COUNTY • City Response Highlights • As of November 25, 2020

<table>
<thead>
<tr>
<th>LOS ANGELES</th>
<th>GLOBAL</th>
<th>HOTLINE SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,311</td>
<td>647,635</td>
<td>213</td>
</tr>
<tr>
<td>New Cases</td>
<td>New Cases</td>
<td>COVID-related 311 calls</td>
</tr>
<tr>
<td>49</td>
<td>12,564</td>
<td>3,133</td>
</tr>
<tr>
<td>New Deaths</td>
<td>New Deaths</td>
<td>Non-COVID related 311 calls</td>
</tr>
<tr>
<td></td>
<td>2.7 mins</td>
<td>Average wait</td>
</tr>
</tbody>
</table>

### COVID RELATED CALL THEMES - 11/24
- Testing
- Rent or financial help
- Restriction queries

<table>
<thead>
<tr>
<th>CALIFORNIA</th>
<th>UNITED STATES</th>
<th>COVID RELATED CALL THEMES - 11/24</th>
</tr>
</thead>
<tbody>
<tr>
<td>18,350</td>
<td>225,804</td>
<td>Testing</td>
</tr>
<tr>
<td>New Cases</td>
<td>New Cases</td>
<td>Rent or financial help</td>
</tr>
<tr>
<td>106</td>
<td>2,809</td>
<td>Restriction queries</td>
</tr>
<tr>
<td>New Deaths</td>
<td>New Deaths</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL CASES</th>
<th>TOTAL DEATHS</th>
<th>TOTAL CASES</th>
<th>TOTAL DEATHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>18,350</td>
<td>106</td>
<td>225,804</td>
<td>2,809</td>
</tr>
<tr>
<td>New Cases</td>
<td>New Deaths</td>
<td>New Cases</td>
<td>New Deaths</td>
</tr>
<tr>
<td>1,14M</td>
<td>18,875</td>
<td>12.7M</td>
<td>261.6K</td>
</tr>
<tr>
<td>Total Cases</td>
<td>Total Deaths</td>
<td>Total Cases</td>
<td>Total Deaths</td>
</tr>
</tbody>
</table>

### L.A. TESTING UPDATES

<table>
<thead>
<tr>
<th>CITY TESTS</th>
<th>AVAILABLE CITY TESTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.8K</td>
<td>38.8K</td>
</tr>
</tbody>
</table>

City Tests (Tests Performed Since Last Report)
Available City Testing Capacity Today

<table>
<thead>
<tr>
<th>HOSPITALIZATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>238</td>
</tr>
</tbody>
</table>

New Hospitalizations  Current Hospitalizations  Total Hospitalizations

### BEDS

<table>
<thead>
<tr>
<th>TOTAL BEds</th>
<th>Acute Care</th>
<th>ICU Beds</th>
<th>Ventilators</th>
</tr>
</thead>
<tbody>
<tr>
<td>729</td>
<td>603</td>
<td>126</td>
<td>1,202</td>
</tr>
</tbody>
</table>

Total Beds  Acute Care  ICU Beds  Ventilators

*CA’s death total on 11/24 does not include new LA County deaths

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

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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: 1,125.7K cases in California (+15.3K) - 2845 per 100K  
18.8K deaths in California (+43) - 47.4 per 100K

#2: 1,115.4K cases in Texas (+14.4K) - 3886 per 100K  
20.8K deaths in Texas (+162) - 72.3 per 100K

#3: 938.8K cases in Florida (+8.1K) - 4407 per 100K  
18.4K deaths in Florida (+73) - 86.3 per 100K

#4: 674.1K cases in Illinois (+9.5K) - 5290 per 100K  
12.3K deaths in Illinois (+150) - 96.2 per 100K

#5: 607.0K cases in New York State (+4.9K) - 3106 per 100K  
26.4K deaths in New York State (+51) - 135.3 per 100K

Rounding out the top ten are: Georgia, Wisconsin, Ohio, Michigan, Tennessee

California ranks ...
#1 in Cases  
#42 in Cases per 100K  
#3 in Deaths  
#37 in Deaths per 100K
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 include:

**#1:** 1,125.7K cases in California (+15.3K) - 2845 per 100K
18.8K deaths in California (+43) - 47.4 per 100K

**#2:** 1,115.4K cases in Texas (+14.4K) - 3886 per 100K
20.8K deaths in Texas (+162) - 72.3 per 100K

**#3:** 674.1K cases in Illinois (+9.5K) - 5290 per 100K
12.3K deaths in Illinois (+150) - 96.2 per 100K

**#4:** 371.9K cases in Ohio (+8.6K) - 3181 per 100K
6.1K deaths in Ohio (+98) - 52.3 per 100K

**#5:** 938.8K cases in Florida (+8.1K) - 4407 per 100K
18.4K deaths in Florida (+73) - 86.3 per 100K

Rounding out the top ten are: Michigan, Wisconsin, Pennsylvania, Minnesota, Washington State

California ranks...

#1 in Cases
#42 in Cases per 100K

#3 in Deaths
#37 in Deaths per 100K
Top 5 per capita (per 100K) cases by County:

**Potter, Texas (Amarillo): 10,260 cases** per 100K
(12,047 total cases)

**Minnehaha, South Dakota (Sioux Falls): 9,934 cases** per 100K
(19,186 total cases)

**El Paso, Texas: 9,867 cases** per 100K
(82,809 total cases)

**Woodbury, Iowa (Sioux City): 9,683 cases** per 100K
(9,984 total cases)

**Lubbock, Texas: 9,459 cases** per 100K
(29,378 total cases)

**Los Angeles, California: 3,727 cases** per 100K
(374,134 total cases)

Los Angeles County ranks #266 out of 584 counties with 100K+

Source: Los Angeles County Department of Health, Johns Hopkins University
Prepared by Mayor’s Innovation Team
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COVID-19 US Deaths - Per Capita County Comparison (Counties >=100K ppl)
As of November 24, 2020, 8:00 PM • One-day lag

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

**Bronx, New York: 354.7 deaths** per 100K (5,030 total deaths)

**Queens, New York: 325.8 deaths** per 100K (7,343 total deaths)

**Kings, New York: 292.6 deaths** per 100K (7,489 total deaths)

**Essex, New Jersey (NYC Metro Area): 276.6 deaths** per 100K (2,210 total deaths)

**Cameron, Texas: 261.8 deaths** per 100K (1,108 total deaths)

**Los Angeles, California: 74.7 deaths** per 100K (7,497 total deaths)

Los Angeles County ranks #197 out of 584 counties with 100K+
Key Takeaways:
Los Angeles County currently has a **2.0% mortality rate**. The estimated infection rate is 1.27 (ideal is <1.0)

Source: Los Angeles County Department of Health, COVID Tracking Project
Key Takeaways:
The past seven days have seen an average daily increase of 4,381 new cases
The past seven days have seen an average daily increase of 31 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

Prepared by Mayor’s Innovation Team
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Key Takeaways:

- As of November 23, there are outbreaks at 219 non-residential locations in Los Angeles with at least three cases for a total of 2,365 confirmed cases.
- The largest new outbreaks have identified at the following locations:
  - Solevy Co. in Valencia - 28 confirmed cases
  - Snyder Langston Apartments in Los Angeles - 23 confirmed cases
  - RH Peterson Co. in City of Industry - 24 confirmed cases
  - Alta Dena Dairy in City of Industry - 19 confirmed cases
  - Fashion NOVA Logistics, Inc. in Santa Fe Springs - 19 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.

Prepared by Mayor’s Innovation Team

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COVID Cases and Death Demographics

As of November 22, 2020 • Three-day lag

Key Takeaways:
- Data is incomplete with 33.5% of cases and 0.2% 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
- 6,971 out of 7,446 deaths had comorbidities (underlying conditions) (93.6%)

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 11/22

- Hispanic/Latino share increased by 13%
- White share decreased by 5.5%
- Asian share decreased by 4.4%
- Black share decreased by 2.8%
- 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%

Share of LA County Deaths by Race
As of November 22, 2020 • Three-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.

Source: Los Angeles County Department of Health

*Missing cases/deaths data by demographic from 7/22-7/26

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.
COVID-19 • CITY + COUNTY + STATE VIEW

New & Total Cases
Key Takeaways:

- An average of 13,751 Cases reported in CA from 11/18 to 11/25 (1.2% increase)

- LA County accounts for 33.1% of cases in CA with an average of 4,381 new cases reported from 11/18 to 11/25 (1.3% increase)

- The City of LA accounts for 13.6% of cases in CA with an average of 1,713 new cases reported from 11/18 to 11/25 (1.2% increase)
Key Takeaways:
The past seven days have seen an **average daily increase of 4,381 new cases**

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.
COVID-19 • LOS ANGELES COUNTY

New & Total Deaths
**Key Takeaways:**

- An average of 74 Deaths reported in CA from 11/18 to 11/25 (0.4% increase)

- LA County accounts for 40% of deaths in CA with an average of 31 new deaths reported from 11/18 to 11/25 (0.4% increase)

- The City of LA accounts for 16.8% of deaths in CA with an average of 11 new deaths reported from 11/18 to 11/25 (0.4% 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
Key Takeaways:
The past seven days have seen an average daily increase of 31 new deaths

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.

Prepared by Mayor’s Innovation Team
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COVID-19 • LOS ANGELES COUNTY
Testing
Key Takeaways:

- At least 2,363,014 tests have been performed at City of Los Angeles since 3/20

- In LA County overall, at least 3,624,942 have been tested since 3/20

- At least 33,766 tests were performed on 11/24

- On average, 30,007 tests were performed each day from 11/18 to 11/24

- 148,885 of the 2,303,416 tests for which results were received were positive (6.6%)

Source: City of Los Angeles

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

Prepared by Mayor’s Innovation Team
Key Takeaways:

• For the week of 11/14 to 11/20, 36% of positive cases were asymptomatic.

• Individuals aged 0 to 17 are more likely to test positive with no symptoms than other age groups.

• Overall, 34% of positive cases* were asymptomatic.

Note: Asymptomatic testing began on 4/30.

*Total positive cases where symptoms are known.

Source: City of Los Angeles

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

Prepared by Mayor’s Innovation Team
Key Takeaways:

LA County’s overall positive rate is currently at 9.7% *(for individuals tested)*

LA City’s overall positive rate is currently at 6.6% *(for all tests)*

Positive Test Rate - Los Angeles City vs County
As of November 24, 2020 • One-day lag

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 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 current positive rate is stable and is currently at 6.6%.

• The 7-day positivity fell to 7.87% (as of 11/23).

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 11/24 is 9.7%.

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 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 11/18 was 6.1%.
- The 7-day average daily % positive specimen rate as of 11/18 was 6.7%.

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
COVID-19 • LOS ANGELES COUNTY
Hospitalizations
Key Takeaways:

- **1,809** currently hospitalized patients, a **7.6%** 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

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Key Takeaways:

- At least **28,465** people have been hospitalized since 3/18

- **238 new hospitalizations** as of 11/23

- An average of **196** people were hospitalized daily due to COVID-19 between 11/16-11/23

- The new 7-day rolling average increased by **53%** compared to last week's average

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**Daily Hospital Admissions, 7-Day Average**
As of November 23 • Two-day lag
Key Takeaways:

- **729 total beds**

Since last week, there has been a:

- **17.5% increase** in available acute care beds. Surge capacity is 11,482
- **29.9% increase** in available ICU beds. Surge capacity is 4,067
- **0.3% decrease** in available ventilators. Surge capacity is 3,199

County Total Reported Bed Capacity in County: 23,318 Staffed Beds in all Categories (ICU, Rehab, Unspecified Acute, Coronary Care, NICU, Perinatal, Pediatric, Psych, Skilled Nursing)

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
Hospital Bed and Equipment Capacity for LA County
As of November 23 • Two-day lag

HOSPITALIZATIONS

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

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Hospital Bed and Equipment Capacity for LA County
As of November 23 • Two-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
*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.

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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
- 1,660 schools have been approved. In total, this affects
  - 80,600 students
  - 32,902 staff

Charter/private/public breakdown
- 72.5% of the schools with in-person services are public schools
- 15.8% are charter schools
- 11.7% are private 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 20, 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 13, **147 schools** have received approval. Overall **286** waivers have been received with 55 schools in the final stages of approval.

The granted waivers cover **15,149** students and **3,149** staff.

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

*No new waivers were granted on 11/20*
COVID-19 DATA SUMMARY

Flu Vaccines
Key Takeaways:

• At least 5,838 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 Mon, Tues, Wed, and Sat:**
  Crenshaw Christian Center
  1261 W. 79th St.
  Los Angeles, 90044

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

  San Fernando Park
  208 Park Ave
  San Fernando, 91340

Source: City of Los Angeles

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COVID-19 DATA SUMMARY

City Response and Preparedness
Weekly Business Ambassadors Visits
As of November 24, 2020 • One-day lag

Key Takeaways:
- At least 5,834 visits made as of 11/24*:
  - DSW Visited Locations: 3,246
  - LAPD Visited Applications: 2,536
  - 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
Key Takeaways:
There has been a significant rise in COVID-related calls, which has increased from 2% to 5-6% this week.
Los Angeles Traffic
Continued increase to traffic but still lower than usual non-COVID levels of traffic
**BEHAVIORAL ANALYSIS**

As of November 21, 2020

*(four-day lag)*

**LA Crime Data**

Remains down over 2019 and more so in recent weeks.

**LOS ANGELES CRIME - 2020 VS. 2019**

13.8% reduction in overall crime (since 3/12/2020)

**LOS ANGELES PART I CRIME - 2020 VS. 2019**

10.5% reduction in Part I Crime (since 3/12/2020)

**LOS ANGELES DV CRIMES - 2020 VS. 2019**

11.9% reduction in reported domestic violence crime* (since 3/12/2020)

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

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Source: LAPD

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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 **28.4% 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 283.5%. In 2019, homicides only rose 195.0% over the equivalent timeframe.

Source: LAPD
Key Takeaways:
• Walking direction requests have increased by 6%
• Driving direction requests have increased by 2%
• Transit direction requests have decreased by 50%

Source: Apple COVID-19 Mobility Trends Report
Prepared by Mayor's Innovation Team
Key Takeaways:
• 35% of residents are staying home

Source: Safegraph

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COVID-19 • Los Angeles City Overview

Economic Analysis
Key Takeaways:

- **4.8K** new claims from 11/1-11/7, 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.

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**New Unemployment Insurance (UI) Claims for the City of Los Angeles**

As of November 7, 2020

**ECONOMIC ANALYSIS**

Source: California EDD

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Key Takeaways:
• September unemployment (seasonally-adjusted) is estimated at **15.1%** for LA County. This is a bit lower than August’s numbers (16.1%) and quite a bit higher than California overall (11%)

• **1,320,491** total claims for Unemployment Insurance (UI) and Pandemic Unemployment Assistance (PUA) in 2020
Key Takeaways:
In September 2020:
• **47,272** CalFresh applications (17% decrease from August)
• **29,412** Medi-Cal applications (8.5% decrease from August)
• **7,889** General Relief applications (10% decrease from August)
• **7,386** CalWORKs applications (9.4% decrease from August)
• **5,208** CAPI applications (9% increase from August)
• **192** CAPI applications (14% increase from August)

Source: Mastercard Retail Location Insights
Each category’s point of comparison is anchored to a base timeframe (anonymized) and area (the surrounding metropolitan area) to generate the relative index metrics

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COVID-19 • CITY OF LOS ANGELES

Actions this Month
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.

23rd

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.

24th

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.