INDEX

- Headlines of the Week
- County Projections
- Data Snapshot
- United States Update
- Key Indicators
- Demographic Comparisons
- Medical Capacity and Supplies
- School Reopenings
- Flu Vaccines
- City Response and Preparedness
- Behavior Analysis
- Economic Analysis
- Actions this Month
COVID-19 Highlights

Headlines of the Week
Allergy warning for Pfizer/BioNTech vaccine after UK health workers with allergy history suffer reaction

Los Angeles Times
Hospital ICUs full in Silicon Valley, Central Valley as California braces for more

Source: New York Times
Canada approves Pfizer’s vaccine after an independent review, and shots may begin next week.

Source: New York Times
Pfizer’s Vaccine Offers Strong Protection After First Dose
The Food and Drug Administration’s first analysis of the clinical trial data also found that the coronavirus vaccine worked well regardless of a volunteer’s race, weight or age.

Source: New York Times
‘There’s No Place for Them to Go’: I.C.U. Beds Near Capacity Across U.S.

Source: NPR
Congressional Leaders Remain At An Impasse On COVID-19 Relief

Los Angeles Times
‘A turning point’: Britain begins COVID-19 vaccinations
COVID-19 DATA SUMMARY

County Projections
KEY TAKEAWAYS:

- The number of new patients with COVID-19 requiring hospitalization each day across Los Angeles County has continued to increase over the last week is increasing.

- The estimated transmission number ("R") is 1.14 with an uncertainty of 1.09 to 1.21. Last week the estimate was 1.14 with an uncertainty of 1.07 to 1.22. When 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, the number of cases will continue to go up. Shortages in the number of hospital beds is possible - mostly likely for ICU beds - over the next 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 0.71% of everyone in Los Angeles County is currently infected and infectious to others (uncertainty of 0.45% to 1.03%).

This suggests about 1 in 140 Los Angeles County residents are currently infectious to others (uncertainty between 1 in 220 and 1 in 100). Last week this estimate was 1 in 200.
Effective Transmission Number “R”
As of December 7, 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.
Hospital New Patient Projections: From Last Week
As of November 30, 2020

Effect of Physical Distancing

Where we were

Uncertainty with no change in transmission behavior

Additional uncertainty if transmission behavior varies
Hospital New Patient Projections
As of December 7, 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
Predictions of Demand in LA County | Hospital Beds
As of December 7, 2020

Uncertainty with no change in transmission behavior

Additional uncertainty if transmission behavior varies

Bed Capacity for COVID-19 Patients

Where we are today

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Page 10
Predictions of Demand in LA County | ICU Beds
As of December 7, 2020

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

Uncertainty with no change in transmission behavior

Additional uncertainty if transmission behavior varies
Predictions of Demand in LA County | Ventilators
As of December 7, 2020

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

ICU Bed Capacity for COVID-19 Patients without activation of alternative ICU locations or staffing

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 December 7, 2020

Ventilator Availability for COVID-19 Patients
Where we are today

Additional uncertainty if transmission behavior varies
Uncertainty with no change in transmission behavior
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.
Effect of Behaviors to Control Transmission
As of December 7, 2020

If transmission....

- **Maintained at Current Levels**: 38% (uncertainty 29% to 49%)
- **1/2 way between Pre-order and Current Levels**: 63% (uncertainty 59% to 68%)
- **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)*
What about Influenza?
As of December 7, 2020

- Daily hospital admissions for COVID-19
- Hospital bed utilization for COVID-19

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.
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
COVID-19 restrictions: Regional Stay Home Order
(Southern California Order in Effect as of Dec 6, 2020, 11:59 PM)

The Regional Stay Home Order, announced December 3, 2020, and a supplemental order, signed December 6, 2020, will go into effect at 11:59 PM the day after a region has been announced to have less than 15% ICU availability.

- The supplemental order clarifies retail operations and goes into effect immediately;
- They prohibit private gatherings of any size, close sector operations except for critical infrastructure and retail;
- And require 100% masking and physical distancing in all others.

Once triggered, these orders will remain in effect for at least 3 weeks. After that period, they will be lifted when a region’s projected ICU capacity meets or exceeds 15%. This will be assessed on a weekly basis after the initial 3 week period.

Statewide Metrics

- **34.0** New COVID-19 Positive Cases Per Day Per 100k Residents
- **8.4%** 7-Day Positivity Rate
- **11.6%** ICU Availability

Source: COVID19.CA.GOV

Prepared by Mayor’s Innovation Team
Page 19
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 did not release new equity metrics between 11/10 and 12/8

New COVID-19 positive cases per 100K

<table>
<thead>
<tr>
<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>12/8</td>
<td>41.8</td>
<td>+3.7%</td>
<td>12/1</td>
<td>40.3</td>
</tr>
</tbody>
</table>

Adjusted case rate for tier assignment

<table>
<thead>
<tr>
<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>12/8</td>
<td>26.9</td>
<td>+33.2%</td>
<td>12/1</td>
<td>20.2</td>
</tr>
</tbody>
</table>

Positivity Rate

<table>
<thead>
<tr>
<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>12/8</td>
<td>8.7%</td>
<td>+1.7%</td>
<td>12/1</td>
<td>7.0%</td>
</tr>
</tbody>
</table>

Health Equity Metric (starting 10/6)*

<table>
<thead>
<tr>
<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>12/8</td>
<td>13.9%</td>
<td>+7.4%</td>
<td>11/10</td>
<td>6.5%</td>
</tr>
</tbody>
</table>

Current Los Angeles County Risk Level: Widespread
## METRICS

**NEW CASES** (7-day avg.)

<table>
<thead>
<tr>
<th>Current</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>8,867</strong> (7-day avg)</td>
<td></td>
<td>+70.0%</td>
<td></td>
<td>+750.1%</td>
</tr>
</tbody>
</table>

**NEW DEATHS** (7-day avg.)

<table>
<thead>
<tr>
<th>Current</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>48</strong> (7-day avg)</td>
<td></td>
<td>+69.3%</td>
<td></td>
<td>-4.8%</td>
</tr>
</tbody>
</table>

**COVID 7-DAY POSITIVE TEST RATE** (as of one week ago)

<table>
<thead>
<tr>
<th>Current</th>
<th>Trend vs Baseline</th>
<th>% Change vs Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>11.9%</strong> (overall)</td>
<td></td>
<td>+4.7%</td>
</tr>
</tbody>
</table>

**NEW HOSPITALIZATIONS** (7-day avg)*

<table>
<thead>
<tr>
<th>Current</th>
<th>Trend vs Baseline</th>
<th>% Change vs Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>349</strong> (7-day avg)</td>
<td></td>
<td>+35.3%</td>
</tr>
</tbody>
</table>

**ACUTE CARE BED CAPACITY** (7-day avg)*

<table>
<thead>
<tr>
<th>Current</th>
<th>Trend vs Baseline</th>
<th>% Change vs Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>456</strong> (7-day avg)</td>
<td></td>
<td>-18.7%</td>
</tr>
</tbody>
</table>

**ICU BED CAPACITY** (7-day avg)*

<table>
<thead>
<tr>
<th>Current</th>
<th>Trend vs Baseline</th>
<th>% Change vs Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>97</strong> (7-day avg)</td>
<td></td>
<td>-15.1%</td>
</tr>
</tbody>
</table>

**LA CITY CRIME** (7-day avg)

<table>
<thead>
<tr>
<th>Current</th>
<th>Trend vs Baseline</th>
<th>% Change vs Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>439 daily crimes</strong> (7-day avg)</td>
<td></td>
<td>-5.8%</td>
</tr>
</tbody>
</table>

**LA CITY UNEMPLOYMENT INS. CLAIMS** (includes PUA)

<table>
<thead>
<tr>
<th>Current</th>
<th>Trend vs Baseline</th>
<th>% Change vs Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5,733</strong> as of 11/21/2020</td>
<td></td>
<td>+22.1%</td>
</tr>
</tbody>
</table>

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**Key Takeaways:**

The following metrics have seen undesirable movement over the past seven days for which data are available:

- **New Cases**
- **New Deaths** (vs last week), 7-Day COVID Positive Test Rate, 7-Day COVID+ Test Rate is % Point Difference with baseline, New Hospitalizations, Acute Care Bed Capacity, ICU Bed Capacity, and Unemployment Insurance Claims

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

- **New Deaths** (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 12/8/2020

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

**Prepared by Mayor’s Innovation Team**
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: 1,420.6K cases in California (+30.9K) - 3591 per 100K
20.2K deaths in California (+196) - 51.2 per 100K

#2: 1,283.7K cases in Texas (+11.2K) - 4472 per 100K
23.1K deaths in Texas (+273) - 80.4 per 100K

#3: 1,065.5K cases in Florida (+9.4K) - 5002 per 100K
19.7K deaths in Florida (+89) - 92.6 per 100K

#4: 812.4K cases in Illinois (+8.3K) - 6376 per 100K
14.6K deaths in Illinois (+229) - 114.7 per 100K

#5: 733.1K cases in New York State (+10.6K) - 3751 per 100K
27.4K deaths in New York State (+97) - 140.2 per 100K

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

California ranks ...
#1 in Cases
#41 in Cases per 100K
#3 in Deaths
#39 in Deaths per 100K

Source: Los Angeles County Department of Health, COVID Tracking Project
California is now one of the main epicenters, along with the Midwest, South, and increasingly the East Coast. The top five states, based on new cases over the last day include:

#1: 1,420.6K cases in California (+30.9K) - 3591 per 100K
20.2K deaths in California (+196) - 51.2 per 100K

#2: 1,283.7K cases in Texas (+11.2K) - 4472 per 100K
23.1K deaths in Texas (+273) - 80.4 per 100K

#3: 733.1K cases in New York State (+10.6K) - 3751 per 100K
27.4K deaths in New York State (+97) - 140.2 per 100K

#4: 520.1K cases in Ohio (+10.1K) - 4449 per 100K
7.2K deaths in Ohio (+84) - 61.5 per 100K

#5: 1,065.5K cases in Florida (+9.4K) - 5002 per 100K
19.7K deaths in Florida (+89) - 92.6 per 100K

Rounding out the top ten are: Pennsylvania, Illinois, Tennessee, North Carolina, Massachusetts

California ranks ...
#1 in Cases
#41 in Cases per 100K
#3 in Deaths
#39 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): 11,820 cases** per 100K (13,878 total cases)

**Minnehaha, South Dakota (Sioux Falls): 11,433 cases** per 100K (22,081 total cases)

**Lubbock, Texas: 11,233 cases** per 100K (34,886 total cases)

**El Paso, Texas: 10,813 cases** per 100K (90,748 total cases)

**Woodbury, Iowa (Sioux City): 10,784 cases** per 100K (11,119 total cases)

**Los Angeles, California: 4,645 cases** per 100K (466,321 total cases)

Los Angeles County ranks #247 out of 584 counties with 100K+
Top 5 per capita (per 100K) deaths by County:

**Bronx, New York: 355.3 deaths per 100K**
(5,039 total deaths)

**Queens, New York: 327.5 deaths per 100K**
(7,382 total deaths)

**Kings, New York: 294.4 deaths per 100K**
(7,536 total deaths)

**Essex, New Jersey (NYC Metro Area): 284.2 deaths per 100K**
(2,271 total deaths)

**Cameron, Texas: 268.5 deaths per 100K**
(1,136 total deaths)

**Los Angeles, California: 79.7 deaths per 100K**
(8,000 total deaths)

*Los Angeles County ranks #220 out of 584 counties with 100K+*
COVID-19 • LOS ANGELES

Key Indicators
Cases, Deaths, Testing, and Hospitalizations
LA County New Cases and New Deaths, 7-Day Average

**CASER DAILY UPDATE**

<table>
<thead>
<tr>
<th>Infection Rate</th>
<th>New Cases</th>
<th>Total Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.14</td>
<td>9,243</td>
<td>475,271</td>
</tr>
</tbody>
</table>

**DEATHS DAILY UPDATE**

<table>
<thead>
<tr>
<th>Mortality Rate</th>
<th>New Deaths</th>
<th>Total Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.7%</td>
<td>75</td>
<td>8,075</td>
</tr>
</tbody>
</table>

**KEY TAKEAWAYS**

The past seven days have seen an average daily increase of 8,867 new cases.

The past seven days have seen an average daily increase of 48 new deaths.

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**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.
LA County Case Updates

<table>
<thead>
<tr>
<th>LOS ANGELES</th>
<th>CALIFORNIA</th>
<th>UNITED STATES</th>
<th>GLOBAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.14</td>
<td>9,243</td>
<td>475,271</td>
<td></td>
</tr>
<tr>
<td>Infection Rate</td>
<td>New Cases</td>
<td>Total Cases</td>
<td>New Cases</td>
</tr>
<tr>
<td>Ideal &lt; 1.0</td>
<td>30,851</td>
<td>1.42M</td>
<td></td>
</tr>
<tr>
<td></td>
<td>New Cases</td>
<td>Total Cases</td>
<td>New Cases</td>
</tr>
<tr>
<td></td>
<td>217,442</td>
<td>15.3M</td>
<td></td>
</tr>
<tr>
<td></td>
<td>New Cases</td>
<td>Total Cases</td>
<td>New Cases</td>
</tr>
<tr>
<td></td>
<td>665,087</td>
<td>68.6M</td>
<td></td>
</tr>
<tr>
<td></td>
<td>New Cases</td>
<td>Total Cases</td>
<td>New Cases</td>
</tr>
</tbody>
</table>

**KEY TAKEAWAYS**

- LA County accounts for **33.5%** of cases in CA with an average of **8,867** new cases reported from 12/2 to 12/9 (**2.1%** 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

<table>
<thead>
<tr>
<th>LOS ANGELES</th>
<th>CALIFORNIA</th>
<th>UNITED STATES</th>
<th>GLOBAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.7%</td>
<td>196</td>
<td>2,481</td>
<td>12,127</td>
</tr>
<tr>
<td>Mortality Rate</td>
<td>New Deaths</td>
<td>Total Deaths</td>
<td>New Deaths</td>
</tr>
<tr>
<td></td>
<td>75</td>
<td>8,075</td>
<td>20,243</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mortality Rate

New Deaths

Total Deaths

KEY TAKEAWAYS

• LA County accounts for 39.9% of deaths in CA with an average of 48 new deaths reported from 12/2 to 12/9 (0.6% increase)

CUMULATIVE DEATHS

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

Key Takeaways

- At least 2,687,958 tests have been performed at City of Los Angeles since 3/20
- On average, 32,708 tests were performed each day from 12/2 to 12/8
- 189,404 of the 2,610,286 tests for which results were received were positive (7.4%)
**LA Testing Updates • Positivity Rate**

<table>
<thead>
<tr>
<th>TESTS COMPLETED</th>
<th>AVAILABILITY</th>
<th>POSITIVITY RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.9K</td>
<td>10</td>
<td>7.4% Cumulative City - Tests</td>
</tr>
<tr>
<td>2.69M</td>
<td>33.4K</td>
<td>6.7% Cumulative County - Tests</td>
</tr>
</tbody>
</table>

**Legend:**
- City Tests Since last report
- City Tests Since 3/20
- Total City Sites Available Today
- Avail. City Testing Capacity Today

**KEY TAKEAWAYS**

- LA County has tested a total of at least 3,984,504 people and a total of 8,542,810 specimens (tests).

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

- County’s 7-day Rate For Tests (1 week lag)
- 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 Hospitalization Updates**

**NEW HOSPITALIZATIONS IN LA COUNTY**

<table>
<thead>
<tr>
<th>Date</th>
<th>New Hospitalizations</th>
<th>Current Hospitalizations</th>
<th>Total Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/31</td>
<td>399</td>
<td>3,433</td>
<td>31.8K</td>
</tr>
</tbody>
</table>

**EQUIPMENT AVAILABILITY**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Available</th>
<th>Beds Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Beds</td>
<td>557</td>
<td>468</td>
</tr>
<tr>
<td>Acute Care Beds</td>
<td>89</td>
<td></td>
</tr>
<tr>
<td>ICU Beds</td>
<td>942</td>
<td></td>
</tr>
</tbody>
</table>

**SO-CAL REGIONAL ICU CAPACITY**

- **9.0%** (as of 12/9)

**NEW HOSPITALIZATIONS IN LA COUNTY**

<table>
<thead>
<tr>
<th>Date</th>
<th>New Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/12</td>
<td>7</td>
</tr>
<tr>
<td>3/13</td>
<td>6</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

**KEY TAKEAWAYS**

- At least 30,593 people have been hospitalized since 3/18

**CURRENTLY HOSPITALIZED:** +4.1%

**INCREASE IN ICU:** +2.5%

---

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

---

The Regional Stay Home Order will go into effect at 11:59 PM the day after a region has been announced to have less than 15% ICU availability. It prohibits private gatherings of any size, closes sector operations except for critical infrastructure and retail, and requires 100% masking and physical distancing in all others.

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Prepared by Mayor’s Innovation Team
COVID-19 • LOS ANGELES

Demographic Comparisons
Cases by Demographics*

- 11% 0 to 17 yrs
- 25% 18 to 29 yrs
- 34% 30 to 49 yrs
- 19% 50 to 64 yrs
- 11% 65+

All metrics last updated at 1 PM, December 5, 2020

PERCENT OF TOTAL CASES COMPARED TO POPULATION

- Age:
  - 0 to 17 yrs: 11%
  - 18 to 29 yrs: 25%
  - 30 to 49 yrs: 34%
  - 50 to 64 yrs: 19%
  - 65+: 11%

- Race:
  - Asian: 5%
  - Black: 5%
  - Hispanic/Latino: 61%
  - White: 14%
  - Other: 15%

- Gender:
  - Female: 51%
  - Male: 49%

KEY TAKEAWAYS

- Data is incomplete with 32.6% 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*

All metrics last updated at 1 PM, December 5, 2020

0% 1% 7% 19% 74%
0 to 17 yrs 18 to 29 yrs 30 to 49 yrs 50 to 64 yrs 65+

PERCENT OF TOTAL DEATHS COMPARED TO POPULATION

<table>
<thead>
<tr>
<th>Age</th>
<th>Percent of Total Deaths</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 17 yrs</td>
<td>0%</td>
<td>2,076,996</td>
</tr>
<tr>
<td>18 to 29 yrs</td>
<td>1%</td>
<td>1,703,423</td>
</tr>
<tr>
<td>30 to 49 yrs</td>
<td>7%</td>
<td>2,725,650</td>
</tr>
<tr>
<td>50 to 64 yrs</td>
<td>19%</td>
<td>1,856,788</td>
</tr>
<tr>
<td>Over 65 yrs</td>
<td>74%</td>
<td>1,856,788</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race</th>
<th>Percent of Total Deaths</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian</td>
<td>14%</td>
<td>1,492,554</td>
</tr>
<tr>
<td>Black</td>
<td>10%</td>
<td>811,476</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>51%</td>
<td>4,988,364</td>
</tr>
<tr>
<td>White</td>
<td>24%</td>
<td>2,619,709</td>
</tr>
<tr>
<td>Other</td>
<td>1%</td>
<td>371,415</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gender</th>
<th>Percent of Total Deaths</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>43%</td>
<td>6,890,880</td>
</tr>
<tr>
<td>Male</td>
<td>57%</td>
<td>4,760,352</td>
</tr>
</tbody>
</table>

KEY TAKEAWAYS

- Data is incomplete with 0.3% of deaths still under investigation
- 7374 out of 7909 deaths (93.2%) had comorbidities (underlying conditions)

MOST IMPACTED GROUPS

- 65+
- Males
- Hispanic/Latino Americans
- Black Americans

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:

• An average of 24,944 Cases reported in CA from 12/2 to 12/9 (1.8% increase)

• LA County accounts for 33.5% of cases in CA with an average of 8,867 new cases reported from 12/2 to 12/9 (2.1% increase)

• The City of LA accounts for 13.6% of cases in CA with an average of 3,428 new cases reported from 12/2 to 12/9 (2% increase)
MORTALITY

City + County + State Daily Confirmed Deaths, 7-Day Average
As of December 9, 2020, 12:30 PM

Key Takeaways:
• An average of 131 Deaths reported in CA from 12/2 to 12/9 (0.7% increase)

• LA County accounts for 39.9% of deaths in CA with an average of 48 new deaths reported from 12/2 to 12/9 (0.6% increase)

• The City of LA accounts for 16.7% of deaths in CA with an average of 18 new deaths reported from 12/2 to 12/9 (0.6% 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.

Prepared by Mayor’s Innovation Team
Page 39

CA’s new deaths/total for 11/24 do not include Los Angeles County
Key Takeaways:
• As of December 8, there are outbreaks at 385 non-residential locations in Los Angeles with at least three cases for a total of 3,955 confirmed cases
• The largest new outbreaks have identified at the following locations

Mission Foods Corp. in Commerce - 69 confirmed cases
Robert F. Chapman (Metal Fabrication) in Lancaster - 30 confirmed cases
Concorde Battery Corp. in West Covina - 23 confirmed cases
Michael Kors Distribution Center in Whittier - 21 confirmed cases
Tamarack Studios in Sun Valley - 17 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
Key Takeaways:
557 total beds

Since last week, there has been a:
• **0.4% decrease** in available acute care beds. Surge capacity is 11,482

• **14.4% decrease** in available ICU beds. Surge capacity is 4,067

• **9.4% decrease** in available ventilators. Surge capacity is 3,199

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 8 • One-day lag

HOSPITALIZATIONS

ICU BEDS

ACUTE CARE BEDS

VENTILATORS

*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
N95 Mask Stock: First Responders*
As of December 8, 2020

Key Takeaways:

- Current mask stock is **478,006**
- The stock of masks decreased **1.4%** 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.

Prepared by Mayor’s Innovation Team
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

- 1,671 schools have been approved. In total, this affects
  - 81,163 students
  - 33,052 staff

Charter/private/public breakdown

- 71.8% of the schools with in-person services are public schools
- 16.1% are charter schools
- 12.1% 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 December 4, 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 December 4, **286** schools have received waivers:

- 58% of schools are Private/Independent/Faith-Based
- 39.9% are Public
- 2.1% of Charter

**85 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 9,510 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 Wed - Sat:**
    - Lincoln Park
    - 3501 Valley Blvd.
    - Los Angeles, 90031
  - **Open and Sat:**
    - Hansen Dam Recreational Center
    - 11798 Foothill Blvd.
    - Lake View Terrace, 91342
  - **Food 4 Less (in parking lot):**
    - 1651 E 103rd St
    - Los Angeles, 90002

Source: City of Los Angeles
Prepared by Mayor’s Innovation Team
COVID-19 DATA SUMMARY
City Response and Preparedness
Weekly Business Ambassadors Visits
As of December 8, 2020 • One-day lag

Key Takeaways:
• At least 5,862 visits made as of 12/8*:
  • DSW Visited Locations: 3,268
  • LAPD Visited Applications: 2,545
  • Complaint Applications: 107
  • DWP Checks: 415
  • DWP Shut Offs: 7

Source: City of Los Angeles
*Program on hold from May 29-July 21
Prepared by Mayor’s Innovation Team
Page 51
### Hotline Services: 311 Calls

<table>
<thead>
<tr>
<th></th>
<th>COVID Related Calls</th>
<th>Non-COVID Related Calls</th>
<th>All 311/Hotline Calls Since 3/26</th>
<th>Total COVID Calls - Since 3/26</th>
<th>Total Calls for Angeleno Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>373</td>
<td>3,034</td>
<td>677.1K</td>
<td>39.9K</td>
<td>30,455</td>
<td></td>
</tr>
</tbody>
</table>

All metrics last updated December 8, 2020

**KEY TAKEAWAYS**

- **11%** of the total 311 calls were COVID-related.

**CALL THEMES**

- Testing
- SERVE Program
- Rent/eviction or financial help
- Parking - complaints about enforcement

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

*Source:* ITA - 311 Contact Center

Prepared by Mayor’s Innovation Team

Page 52
COVID-19 • Los Angeles City Overview

Behavior Analysis
Los Angeles Traffic
Continued increase to traffic but still lower than usual non-COVID levels of traffic

Tuesday 11/24, 5:16 PM

Wednesday 11/25, 8:56 AM

Tuesday 12/8 5:16 PM

Wednesday 12/9, 8:45 AM

Source: SigAlert.com
DOMESTIC VIOLENCE CRIME
Intimate Partner - Simple Assault
Intimate Partner - Aggravated Assault

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

BEHAVIORAL ANALYSIS
As of December 4, 2020
(five-day lag)

LOS ANGELES CRIME - 2020 VS. 2019
13.7% 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
11.8% 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

Prepared by Mayor’s Innovation Team

Source: LAPD
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 **28.9% 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 285%. In 2019, homicides only rose 198.8% over the equivalent timeframe.
Key Takeaways:
- Walking direction requests have decreased by 7%
- Driving direction requests have decreased by 15%
- Transit direction requests have decreased by 57%

Source: Apple COVID-19 Mobility Trends Report
Prepared by Mayor’s Innovation Team
Key Takeaways:
• 38% of residents are staying home
COVID-19 • Los Angeles City Overview

Economic Analysis
Key Takeaways:
• 5,700 new claims from 11/15-11/21, including Pandemic Unemployment Assistance (PUA).
• Spiked on 3/28 with 112,000 new claims.
• This represents an increase of over 4,500% 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%)
- 1,330,918 total claims for Unemployment Insurance (UI) and Pandemic Unemployment Assistance (PUA) in 2020
14.6% decrease compared to last year

- Jan to July 2019: $341,146,102
- Jan to July 2020: $291,253,631
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.
COVID-19 • CITY OF LOS ANGELES
Actions this Month
ACTIONS THIS MONTH
City of Los Angeles

2nd
Mayor Eric Garcetti announced the creation of the Angeleno Connectivity Trust (ACT), an initiative to help deliver internet access to vulnerable young people — including students experiencing homelessness, those in foster care, and youth with disabilities.

3rd
Mayor Garcetti announced the Secure Emergency Relief for Vulnerable Employees (SERVE) initiative, a new partnership between the Mayor’s Office and the Mayor’s Fund for Los Angeles, to provide 4,000 local food-service workers with a one-time $800 stipend.

All City Actions to-date can be found in this spreadsheet.