DAILY LOS ANGELES COVID-19 Data Summary

Response Day 284
Monday December 21, 2020

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

*Surge capacity beyond these numbers may be possible based on individual hospital’s bed and staff surge plans*  

**Statewide Metrics**

- **63.9** New COVID-19 Positive Cases Per Day Per 100k Residents
- **11.3%** 7-Day Positivity Rate
- **2.5%** ICU Availability

**Source:** State of California

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### ICU Availabilities as of 12/21/20

<table>
<thead>
<tr>
<th>Region</th>
<th>ICU Availability</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern California</td>
<td>28.7%</td>
<td>Does not apply</td>
</tr>
<tr>
<td>Bay Area</td>
<td>13.7%</td>
<td>Threshold met</td>
</tr>
<tr>
<td>Greater Sacramento</td>
<td>16.2%</td>
<td>Threshold met</td>
</tr>
<tr>
<td>San Joaquin Valley</td>
<td>0.0%</td>
<td>Threshold met</td>
</tr>
<tr>
<td>Southern California</td>
<td>0.0%</td>
<td>Threshold met</td>
</tr>
</tbody>
</table>

**Current Regional Stay Home Order Status**

*Legend*

- **Regional Stay Home Orders**
  - **Regions:** 4
  - **Counties:** 47
  - **Population:** 39,444,186
  - **Yes:** 4
  - **No:** 1
  - **Population:** 684,974
  - **Surge Capacity:** 98.3%
  - **No Surge Capacity:** 1.7%
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. Current data range: 11/29/20 - 12/5/20

### 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.

<table>
<thead>
<tr>
<th>METRICS</th>
<th>REPORTING DATE</th>
<th>RATE</th>
<th>% DIFF VS LAST METRICS</th>
<th>LAST REPORTING DATE</th>
<th>LAST METRICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>New COVID-19 positive cases per 100K</td>
<td>12/15</td>
<td>84.4</td>
<td>+101.9%</td>
<td>12/8</td>
<td>41.8</td>
</tr>
<tr>
<td>Adjusted case rate for tier assignment</td>
<td>12/15</td>
<td>42.2</td>
<td>+56.9%</td>
<td>12/8</td>
<td>26.9</td>
</tr>
<tr>
<td>Positivity Rate</td>
<td>12/15</td>
<td>11.4%</td>
<td>+2.7% (° Point Difference)</td>
<td>12/8</td>
<td>8.7%</td>
</tr>
<tr>
<td>Health Equity Metric (starting 10/6)*</td>
<td>12/15</td>
<td>17.0%</td>
<td>+3.1% (° Point Difference)</td>
<td>12/8</td>
<td>13.9%</td>
</tr>
</tbody>
</table>

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**County risk level**

- **WIDESPREAD**
  - Many non-essential indoor business operations are closed

- **SUBSTANTIAL**
  - Some non-essential indoor business operations are closed

- **MODERATE**
  - Some indoor business operations are open with modifications

- **MINIMAL**
  - Most indoor business operations are open with modifications

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**Current Los Angeles County Risk Level: WIDESPREAD**

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Source: California Department of Public Health
Prepared by Mayor’s Innovation Team Page 5
## 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, and LA City Unemployment Insurance Claims.

The following metrics have seen **desirable** movement over the past seven days: 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 12/17/20

<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>14,697 (7-day avg)</td>
<td></td>
<td>+35.4%</td>
<td></td>
<td>+1309.1%</td>
</tr>
<tr>
<td>New Deaths (7-day avg.)</td>
<td>85 (7-day avg)</td>
<td></td>
<td>+45.4%</td>
<td></td>
<td>+68.4%</td>
</tr>
<tr>
<td>COVID 7-Day Positive Test Rate (as of one week ago)</td>
<td>15.3% (overall)</td>
<td></td>
<td>+2.1%</td>
<td></td>
<td>+0.6%</td>
</tr>
<tr>
<td>New Hospitalizations (7-day avg)*</td>
<td>549 (7-day avg)</td>
<td></td>
<td>+44%</td>
<td></td>
<td>+252.6%</td>
</tr>
<tr>
<td>Acute Care Bed Capacity (7-day avg)*</td>
<td>434 (7-day avg)</td>
<td></td>
<td>-21%</td>
<td></td>
<td>-72.3%</td>
</tr>
<tr>
<td>ICU Bed Capacity (7-day avg)*</td>
<td>92 (7-day avg)</td>
<td></td>
<td>-18.2%</td>
<td></td>
<td>-70%</td>
</tr>
<tr>
<td>LA City Crime (7-day avg) baseline = 2019 YTD</td>
<td>436 daily crimes (7-day avg) as of 12/12/2020</td>
<td></td>
<td>-5.9%</td>
<td></td>
<td>-25.3%</td>
</tr>
<tr>
<td>LA City Unemployment Ins. Claims (includes PUA) baseline = equivalent 2019 week</td>
<td>7,572 as of 12/5/2020</td>
<td></td>
<td>+45.6%</td>
<td></td>
<td>+293%</td>
</tr>
</tbody>
</table>

Source: Los Angeles County Department of Health, COVID Tracking Project
Prepared by Mayor’s Innovation Team
Page 6
COVID-19 DATA SUMMARY
United States Update
COVID-19 US Cases - Per Capita State Comparisons (TOTAL CASES)
As of December 21, 2020, 4:00 PM

Cases are on the rise across the entire United States. The top five states, based on overall cases include:

#1: 1,892.3K cases in California (+37.9K) - 4783 per 100K
22.7K deaths in California (+83) - 57.3 per 100K

#2: 1,591.9K cases in Texas (+10.3K) - 5546 per 100K
25.4K deaths in Texas (+67) - 88.5 per 100K

#3: 1,192.5K cases in Florida (+10.9K) - 5598 per 100K
21.0K deaths in Florida (+115) - 98.5 per 100K

#4: 905.1K cases in Illinois (+4.7K) - 7103 per 100K
16.5K deaths in Illinois (+120) - 129.7 per 100K

#5: 857.0K cases in New York State (+9.0K) - 4385 per 100K
28.7K deaths in New York State (+111) - 146.9 per 100K

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

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

#3 in Deaths
#40 in Deaths per 100K

Source: COVID Tracking Project
COVID-19 US Cases - Per Capita State Comparisons (NEW CASES)
As of December 21, 2020, 4:00 PM

Cases are on the rise across the entire United States. The top five states, based on new cases over the last day include:

#1: 1,892.3K cases in California (+37.9K) - 4783 per 100K
22.7K deaths in California (+83) - 57.3 per 100K

#2: 1,192.5K cases in Florida (+10.9K) - 5598 per 100K
21.0K deaths in Florida (+115) - 98.5 per 100K

#3: 1,591.9K cases in Texas (+10.3K) - 5546 per 100K
25.4K deaths in Texas (+67) - 88.5 per 100K

#4: 529.6K cases in Tennessee (+9.9K) - 7822 per 100K
6.1K deaths in Tennessee (+65) - 90.6 per 100K

#5: 857.0K cases in New York State (+9.0K) - 4385 per 100K
28.7K deaths in New York State (+111) - 146.9 per 100K

Rounding out the top ten are: Pennsylvania, Arizona, Ohio, Michigan, Illinois

California ranks ...
#1 in Cases
#36 in Cases per 100K
#3 in Deaths
#40 in Deaths per 100K

Source: COVID Tracking Project
Top 5 per capita (per 100K) cases by County:

**Lubbock, Texas**: 12,522 cases per 100K  
(38,890 total cases)

**Potter, Texas (Amarillo)**: 12,473 cases per 100K  
(14,645 total cases)

**Minnehaha, South Dakota (Sioux Falls)**: 12,416 cases per 100K  
(23,980 total cases)

**Yuma, Arizona**: 11,503 cases per 100K  
(24,592 total cases)

**Woodbury, Iowa (Sioux City)**: 11,479 cases per 100K  
(11,836 total cases)

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**Los Angeles, California**: 6,212 cases per 100K  
(623,670 total cases)

*Los Angeles County ranks #185 out of 584 counties with 100K+*
Top 5 per capita (per 100K) deaths by County:

**Bronx, New York: 357.8 deaths per 100K**  
(5,074 total deaths)

**Queens, New York: 330.9 deaths per 100K**  
(7,459 total deaths)

**Kings, New York: 297.4 deaths per 100K**  
(7,614 total deaths)

**Essex, New Jersey (NYC Metro Area): 291.7 deaths per 100K**  
(2,331 total deaths)

**Passaic, New Jersey (NYC Metro Area): 277.4 deaths per 100K**  
(1,392 total deaths)

**Los Angeles, California: 88.4 deaths per 100K**  
(8,875 total deaths)

*Los Angeles County ranks #236 out of 584 counties with 100K*
LA County New Cases and New Deaths, 7-Day Average

**Cases Daily Update**

- Infection Rate: 1.20
- New Cases: 11,271
- Total Cases: 634,849

**Deaths Daily Update**

- Mortality Rate: 1.4%
- New Deaths: 56
- Total Deaths: 8,931

**7-Day AVG of Cases & Deaths**

- New Cases: 1,462
- Total Cases: 8,931

**Key Takeaways**

The past seven days have seen an average daily increase of **14,697** new cases.

The past seven days have seen an average daily increase of **85** new deaths.

Legend:

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

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

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

### Los Angeles

<table>
<thead>
<tr>
<th>Infection Rate</th>
<th>New Cases</th>
<th>Total Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.20</td>
<td>11,271</td>
<td>634,849</td>
</tr>
</tbody>
</table>

### California

<table>
<thead>
<tr>
<th>New Cases</th>
<th>Total Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>37,892</td>
<td>1.89M</td>
</tr>
</tbody>
</table>

### United States

<table>
<thead>
<tr>
<th>New Cases</th>
<th>Total Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>186,939</td>
<td>17.9M</td>
</tr>
</tbody>
</table>

### Global

<table>
<thead>
<tr>
<th>New Cases</th>
<th>Total Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>529,693</td>
<td>77.2M</td>
</tr>
</tbody>
</table>

**Key Takeaways**

- LA County accounts for **33.5%** of cases in CA with an average of **14,697** new cases reported from 12/14 to 12/21 (2.8% increase)

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.
HOTLINE SERVICES

LA County Mortality Updates

DAILY MORTALITY IN LA COUNTY

1.4% 56 8,931
Mortality Rate New Deaths Total Deaths

83 22,676
New Deaths Total Deaths

1,257 318.3K
New Deaths Total Deaths

75,463,398 77.2M
New Deaths Total Deaths

KEY TAKEAWAYS

• LA County accounts for 39.4% of deaths in CA with an average of 85 new deaths reported from 12/14 to 12/21 (1.0% 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.
KEY TAKEAWAYS

• At least 3,034,066 tests have been performed at City of Los Angeles since 3/20

• On average, 36,056 tests were performed each day from 12/14 to 12/20

• 253,026 of the 2,934,506 tests for which results were received were positive (8.8%)

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

COUNTY POSITIVITY RATE
(7-day lag)

Legend:
Source: City of Los Angeles

KEY TAKEAWAYS
• LA County has tested a total of at least 4,397,358 people and a total of 9,730,713 specimens (tests)

COUNTY POSITIVITY RATE (7-day lag)

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

Source: City of Los Angeles
LA Hospitalization Updates

NEW HOSPITALIZATIONS IN LA COUNTY

652
New Hospitalizations

5,866
Current Hospitalizations

33,992
Total Hospitalizations

EQUIPMENT AVAILABILITY

294
Total Beds Available

247
Acute Care Beds Available

47
ICU Beds Available

963
Ventilators Available

The Regional Stay Home Order went into effect on 12/6 at 11:59 PM, the day after the Southern California region dipped below 15% ICU availability. This order 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.

KEY TAKEAWAYS

• At least 35,089 people have been hospitalized since 3/18

CURRENTLY HOSPITALIZED: +2.8%
INCREASE IN ICU: +2.3%

*Public test registration. It does not include registration of critical city employees, first responders, and health care providers.
COVID-19 • LOS ANGELES

Demographic Comparisons
Cases by Demographics*

<table>
<thead>
<tr>
<th>Age</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 17 yrs</td>
<td>12%</td>
</tr>
<tr>
<td>18 to 29 yrs</td>
<td>25%</td>
</tr>
<tr>
<td>30 to 49 yrs</td>
<td>34%</td>
</tr>
<tr>
<td>50 to 64 yrs</td>
<td>19%</td>
</tr>
<tr>
<td>65+</td>
<td>10%</td>
</tr>
</tbody>
</table>

PERCENT OF TOTAL CASES COMPARED TO POPULATION

- **Age**
  - 2,096,996 population: 12%
  - 1,703,633 population: 25%
  - 2,721,430 population: 34%
  - 1,816,788 population: 19%
  - 1,248,075 population: 10%
  
- **Race**
  - Asian: 5%
  - Black: 5%
  - Hispanic/Latino: 61%
  - White: 14%
  - Other: 15%

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

**KEY TAKEAWAYS**
- Data is incomplete with **31.4%** of cases still under investigation

**MOST IMPACTED GROUPS**
- Hispanic/Latino Americans
- Females
- 30-59 year olds
- 18-29 year olds

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

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

PERCENT OF TOTAL DEATHS COMPARED TO POPULATION

**KEY TAKEAWAYS**

- Data is incomplete with **0.4% of deaths still under investigation**
- 8192 out of 8875 deaths (92.3%) 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

Testing Details
Key Takeaways:

In this past week, positive testing rate increased for all age groups

Current Positive Rates by Age Group

- **28.3%** for ages 0-17
- **18.9%** for ages 18-29
- **19.8%** for ages 30-49
- **21%** for ages 50-64
- **20.4%** for ages 65+

*Note: Testing sites were closed on 11/26 and 11/27*
Key Takeaways:
Positive Testing Rates from 12/12 to 12/18*

- Hispanic/Latino—28%
- American Indian/Alaska Native—18.5%
- Black—13%
- Native Hawaiian/Pacific Islander—16.1%
- White—8.5%
- Asian—10%
- Overall Positive Rate: 20.4%

Source: Healthvana
*Only data with complete race/ethnicity information was included
**Key Takeaways:**
Positive Testing Rates from 6/23 to 12/18

- Hispanic/Latino—3%
- White—2.7%
- Asian—2.5%
- Black—4.4%
- Other—7.1%
- Native Hawaiian/Pacific Islander—4.2%
- American Indian/Alaska Native—9%
- Multi-racial—2.8%
- Overall Positive Rate: 7.6%

**Recent City Positive Testing by Race**
June 23 to December 18

<table>
<thead>
<tr>
<th>Race</th>
<th>Positive Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>3.3%</td>
</tr>
<tr>
<td>Asian</td>
<td>3.5%</td>
</tr>
<tr>
<td>Multi-racial</td>
<td>3.6%</td>
</tr>
<tr>
<td>Native Hawaiian or other Pacific Islander</td>
<td>5.5%</td>
</tr>
<tr>
<td>Black</td>
<td>5.6%</td>
</tr>
<tr>
<td>Other</td>
<td>9.8%</td>
</tr>
<tr>
<td>American Indian or Alaska Native</td>
<td>10.7%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>15.5%</td>
</tr>
</tbody>
</table>

Overall Positive Rate: 9.4%

Source: Healthvana
*Only data with complete race/ethnicity information was included*
Key Takeaways:
• An average of 43,901 Cases reported in CA from 12/14 to 12/21 (2.4% increase)

• LA County accounts for 33.5% of cases in CA with an average of 14,697 new cases reported from 12/14 to 12/21 (2.8% increase)

• The City of LA accounts for 13.6% of cases in CA with an average of 6,018 new cases reported from 12/14 to 12/21 (2.8% increase)
Key Takeaways:

• An average of 233 Deaths reported in CA from 12/14 to 12/21 (1.0% increase)

• LA County accounts for 39.4% of deaths in CA with an average of 85 new deaths reported from 12/14 to 12/21 (1.0% increase)

• The City of LA accounts for 16.2% of deaths in CA with an average of 31 new deaths reported from 12/14 to 12/21 (0.9% 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
COVID-19 • LOS ANGELES COUNTY

Medical Capacity and Supplies
Key Takeaways:

294  total beds

Since last week, there has been a:

• **21.8% decrease** in available acute care beds. Surge capacity is 11,482*

• **39.0% decrease** in available ICU beds. Surge capacity is 4,067*

• **1.6% decrease** in available ventilators. Surge capacity is 3,199*

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

Source: County HavBed Bed Tracking and Los Angeles County Department of Public Health Services/Reddinet. This is self reported data subject to error, represents 70 designated 9-1-1 receiving hospitals.
Hospital Bed and Equipment Capacity for LA County
As of December 17 • Four-day lag

HOSPITALIZATIONS

ICU BEDS

ACUTE CARE BEDS

VENTILATORS

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

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

Prepared by Mayor’s Innovation Team
Page 31
COVID-19 DATA SUMMARY

City Response and Preparedness
Hotline Services: 311 Calls

76 COVID Related Calls
540 Non-COVID Related Calls
705,500 All 311/Hotline Calls Since 3/26
42,900 Total COVID Calls - Since 3/26
30,455 Total Calls for Angeleno Card

COVID Related Calls
Non-COVID Related Calls
All 311/Hotline Calls Since 3/26
Total COVID Calls - Since 3/26
Total Calls for Angeleno Card

KEY TAKEAWAYS

12% of the total 311 calls were COVID-related.

CALL THEMES

• Testing
• Parking complaints
• Rent or financial help
• Questions about orders or violations

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

Source: ITA - 311 Contact Center
Key Takeaways:

• **7.6K** new claims from 11/29-12/5, 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

• October unemployment (seasonally-adjusted) is estimated at **12.1%** for LA County. This is lower than September’s numbers (15.5%)

• **1,343,691** total claims for Unemployment Insurance (UI) and Pandemic Unemployment Assistance (PUA) in 2020

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

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
End of Report
December 21, 2020