COVID-19 Update

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Director of Health

August 4, 2020
Cumulative Cases and Deaths

6,989 Cases
61 Deaths
Testing and Case Demographics

COVID-19 Tests Collected & 7-Day Rolling Average

- Daily Tests Collected: 3,118

Cases - Race/Ethnicity

- Other: 0.3%
- Native American: 0.4%
- Native Hawaiian or Other Pacific Islander: 1.1%
- Multiracial: 2.0%
- Black or African American: 5.8%
- Asian: 10.3%
- Unknown: 13.8%
- White: 15.7%
- Hispanic or Latino, all races: 50.6%

Percent Positivity & 7-Day Rolling Average

- 7-Day Average Percent Positive: 3.76%
## County COVID-19 Comparisons

<table>
<thead>
<tr>
<th>City</th>
<th>County</th>
<th>State</th>
<th>Cases/1000</th>
<th>Deaths/100,000</th>
<th>Tests/1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Francisco</td>
<td>San Francisco</td>
<td>CA</td>
<td>8.0</td>
<td>7.0</td>
<td>3.61</td>
</tr>
<tr>
<td>Seattle</td>
<td>King</td>
<td>WA</td>
<td>6.9</td>
<td>29.2</td>
<td>2.22</td>
</tr>
<tr>
<td>Atlanta</td>
<td>Fulton</td>
<td>GA</td>
<td>17.1</td>
<td>37.4</td>
<td>NA</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>Los Angeles</td>
<td>CA</td>
<td>18.5</td>
<td>45.1</td>
<td>1.62</td>
</tr>
<tr>
<td>Baltimore</td>
<td>Baltimore City</td>
<td>MD</td>
<td>14.2</td>
<td>47.0</td>
<td>3.48</td>
</tr>
<tr>
<td>Miami</td>
<td>Miami-Dade</td>
<td>FL</td>
<td>45.5</td>
<td>62.3</td>
<td>NA</td>
</tr>
<tr>
<td>Denver</td>
<td>Denver</td>
<td>CO</td>
<td>15.8</td>
<td>66.8</td>
<td>2.42</td>
</tr>
<tr>
<td>DC</td>
<td>DC</td>
<td>DC</td>
<td>17.5</td>
<td>83.4</td>
<td>4.93</td>
</tr>
<tr>
<td>Philadelphia</td>
<td>Philadelphia</td>
<td>PA</td>
<td>19.4</td>
<td>106.8</td>
<td>1.99</td>
</tr>
<tr>
<td>Boston</td>
<td>Suffolk</td>
<td>MA</td>
<td>26.6</td>
<td>131.7</td>
<td>NA</td>
</tr>
<tr>
<td>New York City</td>
<td>New York City</td>
<td>NY</td>
<td>26.9</td>
<td>280.4</td>
<td>2.69</td>
</tr>
</tbody>
</table>

Source: JHU CSSE ([https://www.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6](https://www.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6)) and local County DPH websites

Updated August 3, 2020
# Key Health Indicators

<table>
<thead>
<tr>
<th>Category</th>
<th>Key Question</th>
<th>Indicator</th>
<th>Triggers to raise or lower level</th>
<th>Level 1 New Normal</th>
<th>Level 2 Low Alert</th>
<th>Level 3 Moderate Alert</th>
<th>Level 4 High Alert</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Care System</td>
<td>Are there early signs of an increase in hospitalizations?</td>
<td>Rate of increase in total Covid-19 hospitalizations</td>
<td>Increase or decrease to meet new threshold over a 7 day period</td>
<td>-3.6% &lt;10%</td>
<td>10-15%</td>
<td>15-20%</td>
<td>&gt;20%</td>
</tr>
<tr>
<td></td>
<td>Do we have capacity to treat severe cases?</td>
<td>Acute care bed available capacity</td>
<td>Meet threshold for over 7 days</td>
<td>23% &gt;15%</td>
<td>10-15%</td>
<td>5-10%</td>
<td>&lt;5%</td>
</tr>
<tr>
<td></td>
<td>Do we have capacity to treat severe cases?</td>
<td>ICU bed available capacity</td>
<td>Meet threshold for over 7 days</td>
<td>27% &gt;20%</td>
<td>15-20%</td>
<td>10-15%</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Disease Situation</td>
<td>Are there early indicators of an increase in Covid-19 disease</td>
<td>Number of new cases per day/100,000 population</td>
<td>Increase or decrease to meet new threshold over a 7 day period</td>
<td>&lt;1.8</td>
<td>1.8-4.0</td>
<td>4.0-6.0</td>
<td>10.1 &gt;6</td>
</tr>
<tr>
<td></td>
<td>Are we testing enough to detect cases?</td>
<td>Tests per day</td>
<td>Meet threshold for over 7 days</td>
<td>3,118 &gt;1,800</td>
<td>1,800-1,400</td>
<td>1,400-700</td>
<td>&lt;700</td>
</tr>
<tr>
<td>Disease Control</td>
<td>Do we have robust contact tracing?</td>
<td>90% of new cases reached and named contacts reached</td>
<td>Meet threshold for over 7 days</td>
<td>&gt;90%</td>
<td>80-90%</td>
<td>68% 65-80%</td>
<td>&lt;65%</td>
</tr>
<tr>
<td></td>
<td>Are we protecting health care workers?</td>
<td>Percent of essential PPE with greater than a 30-day supply</td>
<td>Increase or decrease to meet new threshold over a 7 day period</td>
<td>100%</td>
<td>89% 85-100%</td>
<td>60-85%</td>
<td>&lt;60%</td>
</tr>
</tbody>
</table>
Data through Aug. 1\textsuperscript{st} to estimate Re: \textbf{1.15}
If no change in Re:
Median:
- Peak hospitalization: 370 on Nov 2
- 390 deaths in 2020
95% quantile:
- Peak hospitalization of 1900 on October 30
- 1240 deaths in 2020
If $R_e$ reduced by 30% starting August 3:

Median:
- Peak hospitalization: 140 on August 12
- 120 deaths in 2020

95% quantile:
- Peak hospitalization of 210 on August 27
- 240 deaths in 2020
Testing Overview - Successes

• San Francisco has set up 29 testing sites throughout the city and have performed almost 240,000 tests since the pandemic began focused on providing access to high risk and vulnerable residents and essential workers.

• San Francisco has also achieved 50% more testing than any surrounding Bay Area County.

• Prioritization of testing in congregate settings has greatly contributed to our success of a significantly lower death rate than comparable counties.

• Since June we have consistently exceeded our target of testing 1,800 people per day. We are currently over 80% above this goal at 3,343 tests/day.
Testing Priorities

• Prioritize testing resources for:
  • San Franciscans experiencing COVID-19 symptoms
  • Close contacts of confirmed cases
  • Investigation and management of outbreaks in high risk settings
  • Communities where high rates of transmission is occurring and health inequities exist.
  • Front Line Disaster Service Workers
Facilities at risk for outbreaks:

- Skilled nursing facilities (SNFs)
  - Health Order requires regular testing of residents and personnel
  - Testing and response in these settings have prevented hospitalizations/deaths
- Jails
- Residential Care Facilities for the Elderly
- Shelters
- SROs
COVID-19 Prevalence & Testing Intensity: Neighborhoods

Prevalence by census tract
*= testing site

Testing per capita by census tract
*= testing site
Next Steps

- New testing goal: 5,000 tests/day by early September 2020
- Neighborhood strategy: Concentrating new testing resources to populations and neighborhoods most impacted
- Expanding capacity and speed of sample collection and lab processing
- Ensuring private providers do their part
- Expanding contact tracing capacity
- Incorporating emerging technology into timeline for expanding testing