COVID-19 (SARS-CoV-2) UPDATES

March 9, 2021

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Public Health Officer
Deputy Director of HHSA
CASE TIME TRENDS

*Based on lab result date
CASE RATES

Includes a 7 day lag
WEEKLY CASE RATE (PER 100,000) BY AREA

Calistoga Area
Population: 5,285

St. Helena Area
Population: 6,079

Yountville Area
Population: 2,982

Napa Area
Population: 79,516

American Canyon Area
Population: 20,306

*Rates are estimates based on city address
TEST POSITIVITY

Overall Test Positivity Rate

Tier 1

Tier 2

Tier 3

Tier 4

HEALTH EQUITY TEST POSITIVITY
HOSPITALIZATION TRENDS

Daily Counts

New Hospitalizations by Operational Period

Number of cases

New Hospital Admissions
Cumulative Hospitalizations
PERCENT OF ICU BEDS AVAILABLE

% of ICU beds (excluding NICU and PICU beds) currently available for Multiple Locations
COVID-19 HOSPITALIZATION DEMOGRAPHICS

Gender

- Male: 58%
- Female: 42%

Race/Ethnicity

- Hispanic/Latinx: 45%
- Non-Hispanic White: 38%
- Asian: 7%
- Other: 8%
- Unknown: 2%

Comorbidity

- Yes: 77%
- No: 16%
- Unknown: 7%

Age

- Under 18: <1%
- 18 - 29: 3%
- 30 - 49: 21%
- 50 - 64: 28%
- 65 and Older: 48%

Average age: 63 years

Total hospitalizations: 397

Unknown includes cases still under investigation.
• 75 people have died of COVID-19 since March 2020

• Race/ethnicity

- 47% non-Hispanic white
- 33% Hispanic/Latina/x
- 7% Asian
- 9% Other
- 4% Unknown

• Age

- Under 65: 19%
- 65 - 74: 25%
- 75 - 84: 25%
- 85 and Older: 31%

• Gender

- Male: 57%
- Female: 43%

Average age: 76 years
TYPES OF EXPOSURE – LAST TWO WEEKS

Household was the most common type of close contact (31% of cases)

- Close Contact with a Case, 42%
- Community - Unknown Origin, 15%
- Unknown, 43%

Preliminary data. Unknown includes cases still under investigation, unable to reach or refused to answer.
### OUTBREAKS AND COHORT CLOSURES

<table>
<thead>
<tr>
<th>Congregate Facility</th>
<th>Staff</th>
<th>Residents</th>
<th>Projected End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assisted Living/Senior Care</td>
<td>9</td>
<td>49</td>
<td>3/24/21</td>
</tr>
<tr>
<td>Skilled nursing facility 1</td>
<td>218</td>
<td>157</td>
<td>4/1/21</td>
</tr>
<tr>
<td>Skilled nursing facility 2</td>
<td>58</td>
<td>41</td>
<td>3/23/21</td>
</tr>
<tr>
<td>Other Congregate</td>
<td>0</td>
<td>4</td>
<td>3/24/21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
<th>Closed</th>
<th>Reopened</th>
</tr>
</thead>
<tbody>
<tr>
<td>School cohorts</td>
<td>48</td>
<td>3</td>
<td>45</td>
</tr>
<tr>
<td>Workplaces</td>
<td>42</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
The ensemble forecast takes the median of all the forecasts available (e.g. COVID ActNow, John Hopkins, Stanford)
ICU SHORT-TERM FORECAST

ICU Admissions Forecast

- Actual ICU Admissions
- Ensemble Model

X-axis: Dates from 9/1/2020 to 4/1/2021
Y-axis: ICU admissions (0 to 25)

The graph compares actual ICU admissions with the ensemble model forecast.
MORTALITY SHORT-TERM FORECAST

Mortality Forecast

Actual

Ensemble Model

- 9/1/2020
- 10/1/2020
- 11/1/2020
- 12/1/2020
- 1/1/2021
- 2/1/2021
- 3/1/2021
- 4/1/2021
• Napa County is in the red tier.

<table>
<thead>
<tr>
<th>Measures</th>
<th>CDPH Estimates for Napa</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Cases per 100,000 population per day 7 day average</td>
<td>10.5</td>
</tr>
<tr>
<td>Adjusted New Cases per 100,000 population per day 7 day average</td>
<td>6.8</td>
</tr>
<tr>
<td>Testing positivity 7 day average</td>
<td>2.3%</td>
</tr>
<tr>
<td>Health equity testing positivity</td>
<td>4.4%</td>
</tr>
</tbody>
</table>

**Napa County COVID-19 Response Snapshot**

Last updated: 3/8/2021

**Epidemiological Stability**

- **Metric: Case doubling time**
  - Compared to last week

**Metric: Outbreaks**

- 4 congregate setting
  - Compared to last week

**Disease Severity**

- **Metric: Hospitalizations**
  - Current Week: 5
  - Previous Week: 6

- **4.4% Cases were hospitalized**
- **1.2% Cases were in ICU**

- **Metric: Deaths**
  - Current Week: 1
  - Previous Week: 3

- **0.8% Cases died**

*Previous week’s data may change due to a lag in reporting. Current week is the most recent week ending on Sunday.
### CHANGES TO BLUEPRINT FRAMEWORK BASED ON VACCINATION GOALS

<table>
<thead>
<tr>
<th>Doses administered in the Vaccine Equity Quartile (statewide)</th>
<th>Tier 1 Widespread (Purple)</th>
<th>Tier 2 Substantial (Red)</th>
<th>Tier 3 Moderate (Orange)</th>
<th>Tier 4 Minimal (Yellow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current: Less than 2 million doses administered</td>
<td>Case Rate &gt; 7</td>
<td>Case Rate 4 - 7</td>
<td>Case Rate 1 - 3.9</td>
<td>Case Rate &lt; 1</td>
</tr>
<tr>
<td>Goal #1: 2 Million administered</td>
<td>Case Rate &gt; 10</td>
<td>Case Rate 4 - 10</td>
<td>Case Rate 1 - 3.9</td>
<td>Case Rate &lt; 1</td>
</tr>
<tr>
<td>Goal #2: 4 Million doses administered</td>
<td>Case Rate &gt; 10</td>
<td>Case Rate 6 - 10</td>
<td>Case Rate 2 - 5.9</td>
<td>Case Rate &lt; 2</td>
</tr>
</tbody>
</table>
VACCINE EQUITY METRICS AND BLUEPRINT CHANGES

• Forty percent of COVID cases and deaths occur in our lowest Healthy Places Index* quartile (Vaccine Equity Quartile). Protecting individuals in these disproportionately impacted communities not only improves health in those communities but has critical impacts on the state as a whole
  • Reduced stress on the hospital system through reduced hospitalizations among populations that often have higher levels of underlying risk from chronic illnesses and/or structural factors.
  • Reduced general transmission of the virus through reduced transmission between close household or other community members in communities where we have historically seen the highest levels of test positivity and case rates compared to communities in the Vaccine Equity Quartiles.
  • Reduced likelihood of the threat of variants as variants depend on high levels of community transmission to emerge, spread, and dominate.
  • Reduced threat of vaccine escape (when a virus develops partial or full vaccine resistance). The full and timely vaccination of individuals reduces the risk of high levels of transmission commensurate with higher levels of mutation and the potential for mutations that are resistant, in whole or in part, to a given vaccine.
<table>
<thead>
<tr>
<th>Sectors</th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>Tier 4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Widespread (Case Rate &gt;7 or Test Positivity &gt;8%)</td>
<td>Substantial (Case Rate 4-7 or Test Positivity 5-8%)</td>
<td>Moderate (Case Rate 1-3.9 or Test Positivity 2-4.9%)</td>
<td>Minimal (Case Rate &lt;1 or Test Positivity &lt;2%)</td>
</tr>
<tr>
<td></td>
<td>CR &gt;10</td>
<td>CR 4-10</td>
<td>CR 1-3.9</td>
<td>CR &lt;1</td>
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<td></td>
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<td>CR 6-10</td>
<td>CR 2-5.9</td>
<td>CR &lt;2</td>
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<tr>
<td>Family Entertainment Centers</td>
<td>Outdoor only with modifications e.g. Kart Racing, Mini Golf, Batting Cages</td>
<td>Outdoor only with modifications e.g. Kart Racing, Mini Golf, Batting Cages</td>
<td>Open indoors for naturally distanced activities with modifications, Max 25% capacity, Bowling Alleys</td>
<td>Open indoors for activities with increased risk of proximity and mixing with modifications, Max 50% capacity, Arcade Games, Ice and roller skating, Indoor playgrounds</td>
</tr>
<tr>
<td>Cardrooms, Satellite Wagering</td>
<td>Outdoor only with modifications</td>
<td>Outdoor only with modifications</td>
<td>Open indoors with modifications, Max 25% capacity</td>
<td>Open indoors with modifications, Max 50% capacity</td>
</tr>
<tr>
<td>Offices</td>
<td>Remote</td>
<td>Remote</td>
<td>Open indoors with modifications, Encourage telework</td>
<td>Open indoors with modifications, Encourage telework</td>
</tr>
<tr>
<td>Outdoor Live Events with Assigned Seats and Controlled Mixing (e.g., sports and live performances)</td>
<td>Current: Open with modifications, no live audiences</td>
<td>Current: Open with modifications, no live audiences</td>
<td>Current: Open with modifications, Permanent venues with live audiences outdoors only, Capacity must be limited to 20%, Reservations required, Assigned seating only</td>
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<td>Indoor guidance forthcoming</td>
<td>Effective April 1, 2021: 100 people or fewer, Regional visitors (120 miles), Advanced reservations only</td>
<td>Effective April 1, 2021: Max 20%, includes suites with 25% occupancy per suite and suites no more than 3 households</td>
<td></td>
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<td>SECTORS</td>
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<td>CR 2-5.9</td>
<td>CR &lt;2</td>
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<td></td>
<td>• No concessions or concourse sales</td>
<td>• Weekly worker testing program</td>
<td>• In-seat concessions only (no concourse sales)</td>
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<tr>
<td></td>
<td></td>
<td>• In-state visitors only, check for current CDPH Travel Advisory in effect</td>
<td>• Regional attendees only (within 120 miles)</td>
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<td></td>
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<td>• Advanced reservations only</td>
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<td>• Primarily in-seat concessions (no concourse sales)</td>
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<td>Effective April 1, 2021:</td>
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<td>• Max 33%, includes suites with 25% occupancy per suite</td>
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<td>Max 67% if all guests are tested or show proof of full vaccination</td>
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VACCINATING NAPA COUNTY Residents & Workforce

Vaccine doses to cover those who live or work in Napa County: 327,000 (100%)

Number of doses administered: (57,497 (≈17%) *

* Count reflects expected need for two doses per person

Local ability to deliver 13,400+ vaccines per week pending availability from the State

** As of 3/5/2021

- Population x 2 doses
- Added 25,000 who work in our county (Phase 1a and Phase 1b sectors)
VACCINATING NAPA COUNTY Residents

Vaccine doses to cover those who live in Napa County: 279,246 (100%)*

Number of doses administered: 48,808 (≈18%) **

* Count reflects expected need for two doses per person
** As of 3/5/2021

Local ability to deliver 13,400+ vaccines per week pending availability from the State
VACCINATING NAPA COUNTY Residents 65+

Vaccine doses needed to cover those 65+ who live in Napa County: 51,936 (100%)

Number of doses administered to those 65+: 25,688 (≈49%) *

* Count reflects expected need for two doses per person  
** As of 3/5/2021

Local ability to deliver 13,400+ vaccines per week pending availability from the State
VACCINATING NAPA COUNTY Residents 75+

Vaccine doses needed to cover those 75+ who live in Napa County: 22,460 (100%)

Number of doses administered: (14,417 (≈ 64%) *)

* Count reflects expected need for two doses per person
** As of 3/5/2021

Local ability to deliver 13,400+ vaccines per week pending availability from the State
VACCINATING THROUGH THE PHASES

First doses

• Collaborating with AmCan Fire to vaccinate senior facilities
• Napa County Mobile Clinic vaccinating more congregate facilities
• St. Helena Hospital Foundation is vaccinating Food and Ag this week
• NCPH Drive through clinic focusing on childcare, education and other Phase 1B sectors

Second doses

• Napa County Public Health will hold second dose drive through clinics Tuesday and Friday
• Napa County Mobile Clinics will do second dose clinics for congregate care facilities
ONWARD TO ORANGE

- Wash
- Cover
- Clean
- 6 Feet

Vaccinate Napa
Together we can end the pandemic.