COVID-19 (SARS-CoV-2) UPDATES

May 18, 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. Tiers based on California administering 4 million doses to the lowest HPI quartile.
WEEKLY CASE RATE (PER 100,000) BY AREA

*Rates are estimates based on city address*
Overall Test Positivity Rate / Tasa Global De Positividad De Pruebas

Tier/Nivel 1
Tier/Nivel 2
Tier/Nivel 3
Tier/Nivel 4

11-11-20 26-11-20 11-12-20 26-12-20 01-01-21 25-01-21 09-02-21 24-02-21 11-03-21 26-03-21 10-04-21 25-04-21 10-05-21
HEALTH EQUITY TEST POSITIVITY

Health Equity Test Positivity Rate / Equidad En La Salud: Tasa De Positividad De Pruebas

Tier/Nivel 1
Tier/Nivel 2
Tier/Nivel 3
Tier/Nivel 4

11-11-20 26-11-20 11-12-20 26-12-20 10-01-21 25-01-21 09-02-21 24-02-21 11-03-21 26-03-21 10-04-21 25-04-21 10-05-21
ICU ADMISSION TRENDS

Cumulative – by week

New – by week
COVID-19 HOSPITALIZATIONS

436 total

Comorbidities
- None: 16.5%
- Unknown: 3.2%
- Grand Total: 100.0%

Top 3 Most Common Comorbidities
- Hypertension: 49.3%
- Diabetes: 43.5%
- Hyperlipidemia: 26.7%

Unknown includes cases still under investigation.
DEATHS

81 people have died of COVID-19 since March 2020.
# Outbreaks and Cohort Closures

## Cases Among Residents and Staff and Deaths Among Residents by Name, Date of First Reported Case

<table>
<thead>
<tr>
<th>Name</th>
<th>Date of First Reported Case</th>
<th>Cases Among Residents and Staff</th>
<th>Deaths Among Residents</th>
<th>Projected End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Meadows SNF</td>
<td>April 25th, 2022</td>
<td>7</td>
<td>0</td>
<td>6/9</td>
</tr>
<tr>
<td>Napa State Hospital</td>
<td>June 9th, 2020</td>
<td>408</td>
<td>2</td>
<td>6/4</td>
</tr>
<tr>
<td>The Veteran’s Home</td>
<td>October 21st, 2020</td>
<td>139</td>
<td>2</td>
<td>6/12</td>
</tr>
<tr>
<td>South Napa Shelter</td>
<td>April 9th, 2021</td>
<td>26</td>
<td>0</td>
<td>5/12*</td>
</tr>
<tr>
<td>Napa County Jail</td>
<td>April 14th, 2021</td>
<td>8</td>
<td>0</td>
<td>6/10</td>
</tr>
</tbody>
</table>

* Pending closure confirmation

## Current Outbreaks/Brotes actuales

<table>
<thead>
<tr>
<th>Brote</th>
<th>Closed</th>
<th>Open</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Congregate setting outbreak/ Brote en entorno de vivienda agrupada</td>
<td>36</td>
<td>5</td>
<td>41</td>
</tr>
<tr>
<td>School exposure/ Exposición escolar</td>
<td>64</td>
<td>0</td>
<td>64</td>
</tr>
<tr>
<td>Workplace outbreak/ Brote en el entorno laboral</td>
<td>52</td>
<td>0</td>
<td>52</td>
</tr>
</tbody>
</table>
# SARS COV-2 VARIANTS

<table>
<thead>
<tr>
<th>Type / Tipo</th>
<th>Variant / Variante</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concern / Preocupación</td>
<td>B.1.427 / B.1.429</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>B.1.1.7</td>
<td>5</td>
</tr>
<tr>
<td>Interest / Interés</td>
<td>B.1.526.1</td>
<td>2</td>
</tr>
<tr>
<td>Other / Otra</td>
<td>B.1.2</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>B.1</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>B.1.243</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>B.1.1.222</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>B.1.260</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>B.1.1.519</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>B.1.1</td>
<td>1</td>
</tr>
</tbody>
</table>
# Variants of Interest

<table>
<thead>
<tr>
<th>Variant</th>
<th>First detected</th>
<th>No. of spike mutations</th>
<th>Receptor binding domain mutations</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.1.526</td>
<td>New York</td>
<td>3-7</td>
<td>(S477N*) (E484K*)</td>
<td>• <em>Reduced</em> antibody efficacy&lt;br&gt;• <em>Reduced</em> neutralization by vaccine sera</td>
</tr>
<tr>
<td>B.1.526.1</td>
<td>New York</td>
<td>6-8</td>
<td>L452R</td>
<td>• Potential reduced antibody efficacy&lt;br&gt;• Potential reduced neutralization by vaccine sera</td>
</tr>
<tr>
<td>B.1.525</td>
<td>UK/Nigeria</td>
<td>8</td>
<td>E484K</td>
<td>• Potential reduced antibody efficacy&lt;br&gt;• Potential reduced neutralization by vaccine sera</td>
</tr>
<tr>
<td>P.2</td>
<td>Brazil</td>
<td>3-4</td>
<td>E484K</td>
<td>• Potential reduced antibody efficacy&lt;br&gt;• Potential reduced neutralization by vaccine sera</td>
</tr>
<tr>
<td>B.1.617</td>
<td>India</td>
<td>3</td>
<td>L452R E484Q</td>
<td>• Potential reduced antibody efficacy&lt;br&gt;• Potential reduced neutralization by vaccine sera</td>
</tr>
<tr>
<td>B.1.617.1</td>
<td>India</td>
<td>7-8</td>
<td>L452R E484Q</td>
<td>• Potential reduced antibody efficacy&lt;br&gt;• Potential reduced neutralization by vaccine sera</td>
</tr>
<tr>
<td>B.1.617.2</td>
<td>India</td>
<td>9-10</td>
<td>L452R T478K</td>
<td>• Potential reduced antibody efficacy&lt;br&gt;• Potential reduced neutralization by vaccine sera</td>
</tr>
<tr>
<td>B.1.617.3</td>
<td>India</td>
<td>7</td>
<td>L452R E484Q</td>
<td>• Potential reduced antibody efficacy&lt;br&gt;• Potential reduced neutralization by vaccine sera</td>
</tr>
</tbody>
</table>

* * = detected in some sequences but not all

Source: [CDC](https://www.cdc.gov/vaccines/acip/meetings/downloads/slides-2021-05-12/10-COVID-Scobie-508.pdf)
# Variants of Concern

<table>
<thead>
<tr>
<th></th>
<th>B.1.1.7</th>
<th>B.1.351</th>
<th>P.1</th>
<th>B.1.427</th>
<th>B.1.429</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First detected</strong></td>
<td>United Kingdom</td>
<td>South Africa</td>
<td>Japan / Brazil</td>
<td>California</td>
<td>California</td>
</tr>
<tr>
<td><strong>No. of spike mutations</strong></td>
<td>10-13</td>
<td>10</td>
<td>11</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>
| **Attributes** | • 50% increased transmission  
• **Minimal** impact on neutralization by antibody therapies, convalescent or vaccine sera | • 50% increased transmission  
• **Reduced** efficacy of some antibodies  
• **Reduced** neutralization by convalescent or vaccine sera | • **Reduced** efficacy of some antibodies  
• **Reduced** neutralization by convalescent or vaccine sera | • 20% increased transmission  
• **Modest** decrease in efficacy of some antibodies  
• **Reduced** neutralization by convalescent or vaccine sera | • 20% increased transmission  
• **Modest** decrease in efficacy of some antibodies  
• **Reduced** neutralization by convalescent or vaccine sera |
TYPES OF EXPOSURE – LAST TWO WEEKS

Household was the most common type of close contact (19% of cases)

Unknown includes cases still under investigation, unable to reach or refused to answer
The ensemble forecast takes the median of all the forecasts available (e.g. COVID ActNow, Johns Hopkins, Stanford)
ICU SHORT-TERM FORECAST

ICU Admissions Forecast

Actual ICU Admissions

Ensemble Model
Napa County will remain in the **orange** this week.

<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>3.5</td>
</tr>
<tr>
<td>Adjusted New Cases per 100,000 population per day 7 day average</td>
<td>2.6</td>
</tr>
<tr>
<td>Testing positivity 7 day average</td>
<td>1.0%</td>
</tr>
<tr>
<td>Health equity testing positivity</td>
<td>0.9%</td>
</tr>
</tbody>
</table>

**Napa County COVID-19 Response Snapshot / Respuesta Al COVID-19 - Resumen Del Condado De Napa**

**Epidemiological Stability / Estabilidad Epidemiológica**
- Metric: Case doubling time / Métrica: Tiempo Para Alcanzar La Duplicación En Casos
  - Compared to last week / En comparación con la semana pasada
  - 1334 Days/Días

**Hospital Capacity / Capacidad De Los Hospitales**
- Metric: Average* daily bed and medical device availability / Métrica: Promedio de disponibilidad diaria de camas y equipo médico
  - Total Beds (including Med Surge) / Número total de camas (incluyendo durante sobrecarga médica)
  - ICU Beds / Camas de UCI
  - Ventilators / Ventiladores
  - Metric: Greater than 14 day supply of PPE / Métrica: suministro de equipo de protección médico mayor a 14 días
  - QVMC
  - St. Helena

**Disease Severity / Gravedad De La Efermedad**
- Metric: Hospitalizations/ Hospitalizaciones*
  - Last Week/Last Week: 0
  - 2 Weeks Ago/Hace Dos Semanas: 1
  - Cases were hospitalized/ Casos hospitalizados: 4.4%
  - Cases were in ICU/ Casos en la unidad de cuidados intensivos: 1.3%
- Metric: Deaths/Muertes*
  - Last Week/Last Week: 1
  - 2 Weeks Ago/Hace Dos Semanas: 0
  - Cases died/ Casos que han fallecido: 0.8%
Guidance for overnight camps:
https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Guidance-for-Overnight-Camps.aspx
- Have an Emergency Operations Plan (EOP) in place to protect staff, campers, families, and communities from the spread of COVID-19.
- Screen campers and staff for COVID-19 symptoms upon entry and daily.
- Isolate staff or campers with symptoms immediately and refer them for testing.
- Separate area for ill campers/staff.

Real estate showings:
https://covid19.ca.gov/industry-guidance/
- In-person showings of properties, like open houses, are permitted and must follow the indoor gatherings capacity limits in the CDPH gatherings guidance.
- Physical distancing between different households must be maintained, and hand sanitizer should be made available.
- Face coverings are required.
• Cohorts for children and youth in supervised settings:
  • Cohort sizes of 14 now only apply in the purple tier
  • Guidance and directives related to schools, childcare, day camps, and youth sports are not superseded by cohort guidance

• Music, film, and TV production:
  • Venues with seated live audiences must follow the guidance for live events and performances.
  • Back office staff and management must follow the guidance for office workspaces.

https://covid19.ca.gov/industry-guidance/
Vaccines Administered in Napa County to Date

The total number of vaccines administered including Napa County residents, as well as non-residents eligible for vaccination based on place of work.

Cantidad de Vacunas administradas en el condado de Napa
el numero total de vacunas administradas incluye residentes del condado de Napa y personas que no son residentes elegibles debido a su lugar del trabajo.

Total:
172,067

*Number of doses in Napa County Residents 145,927
69% of eligible Napa County residents partially vaccinated

58% of eligible Napa County residents are fully vaccinated
VACCINES ADMINISTERED BY AGE GROUPS

% of Fully Vaccinated Napa Residents Across Age Groups

- 0%: 12 to 16 yrs. old
- 35%: 16 to 19 yrs. old
- 43%: 20 to 29 yrs. old
- 50%: 30 to 39 yrs. old
- 59%: 40 to 49 yrs. old
- 69%: 50 to 59 yrs. old
- 85%: 60+
VACCINES ADMINISTERED BY AGE/RACE

% Napa County Residents Fully Vaccinated By Age and Race: 40 to 64 yrs. old

% Napa County Residents Fully Vaccinated By Age and Race: 65+

% Napa County Residents Fully Vaccinated By Age and Race: 10 to 19 yrs. old

% Napa County Residents Fully Vaccinated By Age and Race: 20 to 39 yrs. old
VACCINATION OF ADOLESCENTS

• FDA expanded the emergency use authorization (EUA) for the Pfizer vaccine on 5/10/21 to include adolescents 12 through 15 years of age

• Advisory Committee on Immunization Practices (ACIP) approval on 5/12
  • Interim Clinical Considerations for Use of COVID-19 Vaccines | CDC
  • CDC ACIP approved Pfizer for use in adolescents
  • ACIP also approved co-administration of COVID-19 vaccines and other vaccines, to prevent COVID-19 and to facilitate catch up on other adolescent vaccinations

• American Academy of Pediatrics policy statement supports recommendations of ACIP
  • COVID-19 Vaccines in Children and Adolescents | American Academy of Pediatrics (aappublications.org)
VACCINATION OF ADOLESCENTS

- Consent for vaccinations
  - Persons younger than 18 years must have parental or guardian consent given by a legally authorized representative. An emancipated minor may consent for him/herself.
  
- Allowable consent includes:
  - Parent/guardian accompanies the minor in person.
  - If the parent/guardian cannot accompany the minor, a signed written consent is acceptable. The written consent must verify the parent/guardian has been provided the Pfizer EUA Fact Sheet.
  - Phone or video consent is possible if the parent/guardian confirms that they have been provided or read the Pfizer EUA Fact Sheet or the Fact Sheet is read to the parent/guardian.
STRIVING FOR COMMUNITY IMMUNITY

• Adolescent vaccinations from last week
  • Napa County Office of Education and Safeway Pharmacy
  • Multi-entity Meritage Clinic led by Kaiser, Ole Health, NCPH, Partnership and Northbay Regional
  • St Helena Hospital Foundation at St Helena High School

• Public Health clinics
  • After-hours drive through clinic at HHSA offering Pfizer and Janssen
  • School and church-based clinics
  • Mobile home and apartment clinics planning in process

<table>
<thead>
<tr>
<th>Location</th>
<th>Address</th>
<th>1st Dose</th>
<th>2nd Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redwood Middle School</td>
<td>3600 Oxford Napa</td>
<td>5/19 1-4pm</td>
<td>6/9 1-4pm</td>
</tr>
<tr>
<td>St. Thomas Aquinas Church</td>
<td>2725 Elm Street Napa</td>
<td>5/23 10am-3pm</td>
<td>6/13 10am-3pm</td>
</tr>
<tr>
<td>Silverado Middle School</td>
<td>1133 Coombsville Road Napa</td>
<td>5/26 1-4pm</td>
<td>6/17 1-4pm</td>
</tr>
<tr>
<td>American Canyon High School</td>
<td>3000 Newell Drive American Canyon</td>
<td>6/2 1-4pm</td>
<td>6/23 1-4pm</td>
</tr>
</tbody>
</table>
• Several COVID-19 cases in younger people whose symptoms were diagnosed by healthcare providers as allergies, turned out to be COVID-19.

• Important to know the difference and to get tested for COVID-19 to rule it out
CDC MASK GUIDANCE FOR VACCINATED PEOPLE

• Fully vaccinated people no longer need to wear a mask or physically distance in any setting, except where required by federal, state, local, tribal, or territorial laws, rules, and regulations, including local business and workplace guidance
• The CDC guidance will take effect in California on June 15
• CDPH will continue using its current guidance:
  • https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/guidance-for-face-coverings.aspx
• New CalOSHA guidance will be voted on 5/20
ISSUES WITH IMPLEMENTING CDC MASK GUIDANCE

• Unable to determine who is vaccinated vs. not in most settings
• Potentially increases COVID-19 transmission, especially among unvaccinated, and may increase circulating variants
• May cause children ineligible for vaccination to not wear masks, because their parents are not
• Persons may lie about vaccination status to avoid wearing masks
• Masking is an effective method of infection prevention once the Blueprint is lifted on June 15 and no social distancing
• Need to get more people vaccinated first
CLOSER TO YELLOW

Wash
Cover
Clean
6 Feet

Vaccinate Napa
Together we can end the pandemic.