

# COVID-19 (SARS-CoV-2) UPDATES

*February 8, 2022*

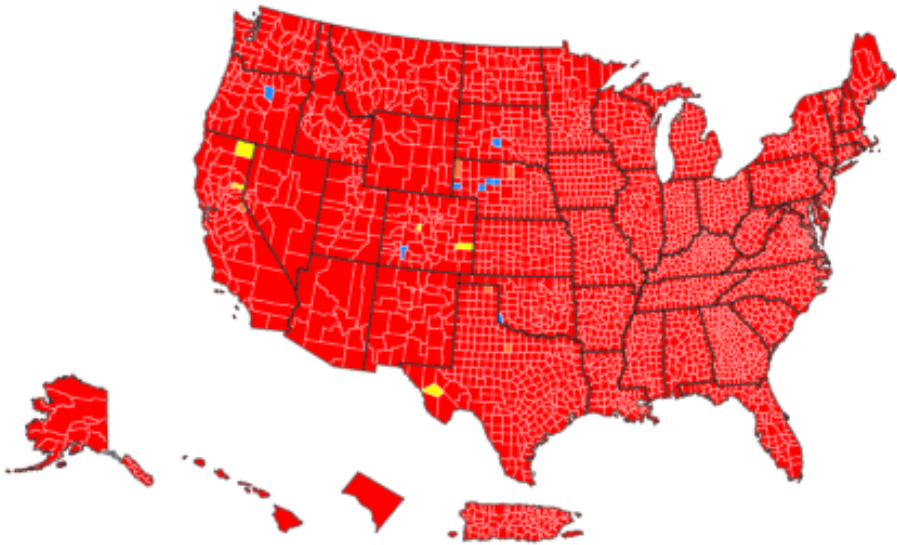
*Karen Relucio, MD  
Public Health Officer  
Deputy Director of HHSA*



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# CDC COMMUNITY TRANSMISSION MAP



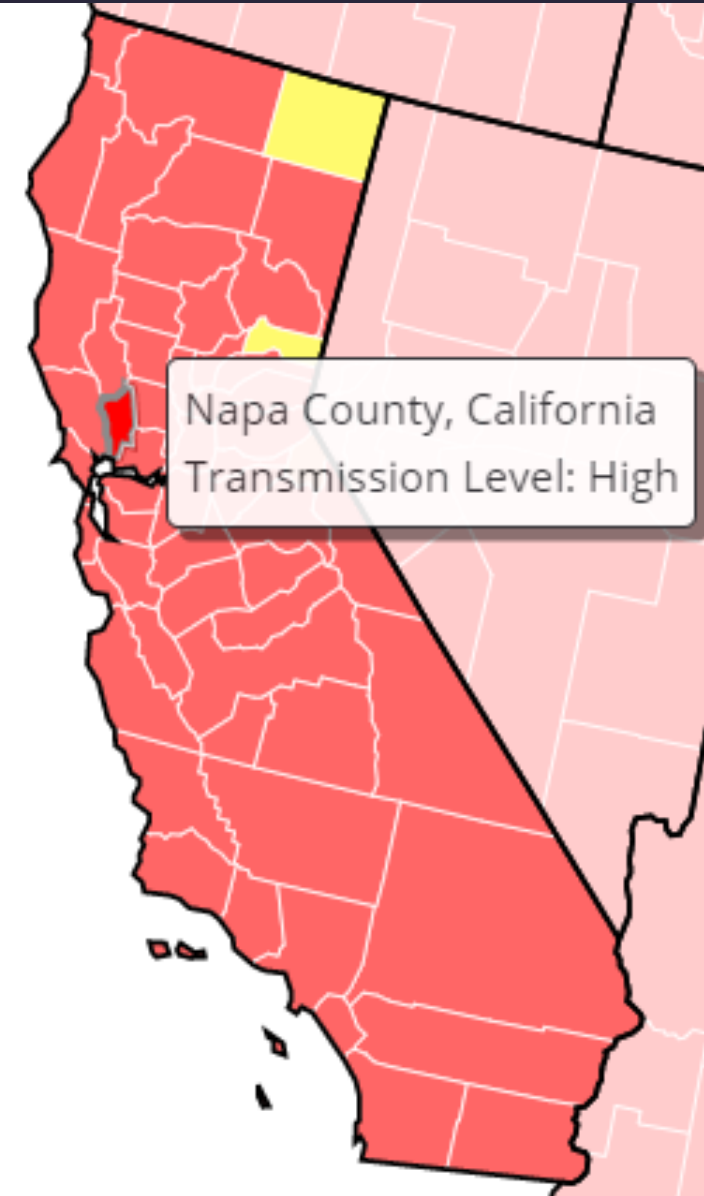
Community Transmission in US by County

	Total	Percent	% Change
High	3198	99.26%	-0.5%
Substantial	8	0.25%	0.22%
Moderate	5	0.16%	0.09%
Low	9	0.28%	0.12%

[How is community transmission calculated?](#)

● High ● Substantial ● Moderate ● Low ● No Data

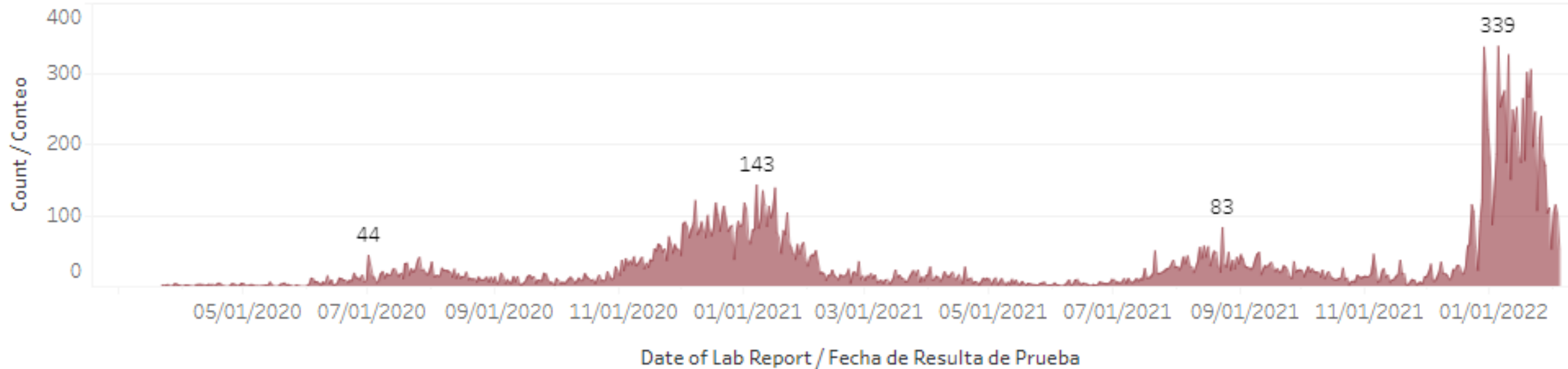
Current 7-days is Mon Jan 31 2022 - Sun Feb 06 2022 for case rate and Sat Jan 29 2022 - Fri Feb 04 2022 for percent positivity. The percent change in counties at each level of transmission is the absolute change compared to the previous 7-day period.



Napa County, California  
Transmission Level: High

# DAILY CASE COUNTS

## Cases per Day / Casos por Día

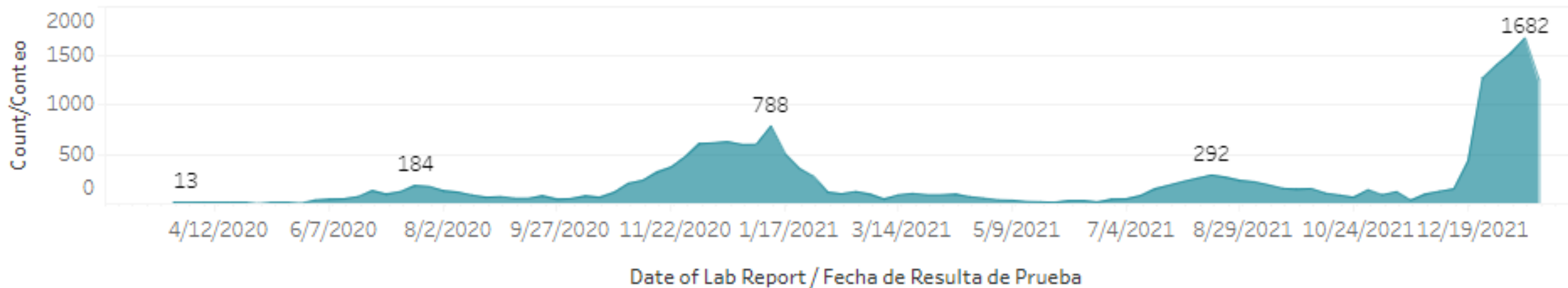


# WEEKLY CASE TRENDS

## Monthly Summary / Resumen Mensual

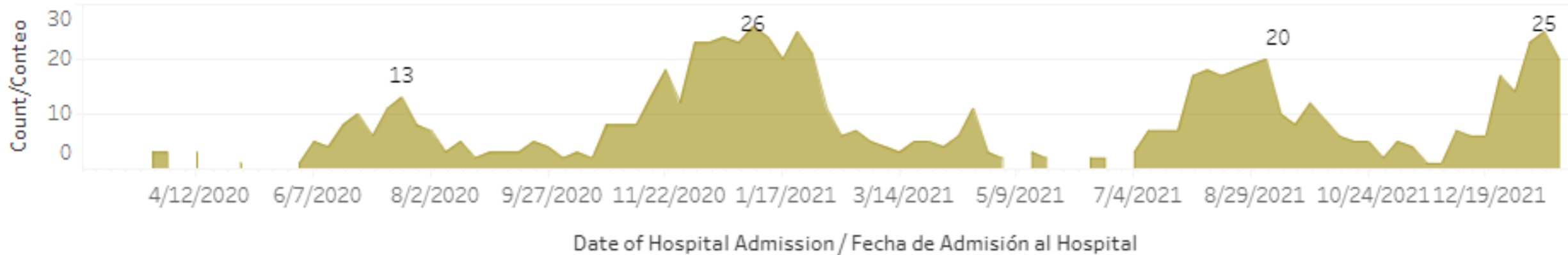
	Cases / Casos	Hospitalizations / Hospitalizaciones	Deaths / Muertes
November	406 ▼13%	12 ▼61%	2 ▼67%
December	1871 ▲361%	31 ▲158%	1 ▼50%
January	6211 ▲232%	90 ▲190%	8 ▲700%

## Timeline of Cases by Week / Cronología de Casos por Semana



# HOSPITALIZATION TRENDS

Timeline of Hospitalizations by Week / *Cronología de Hospitalizaciones por Semana*

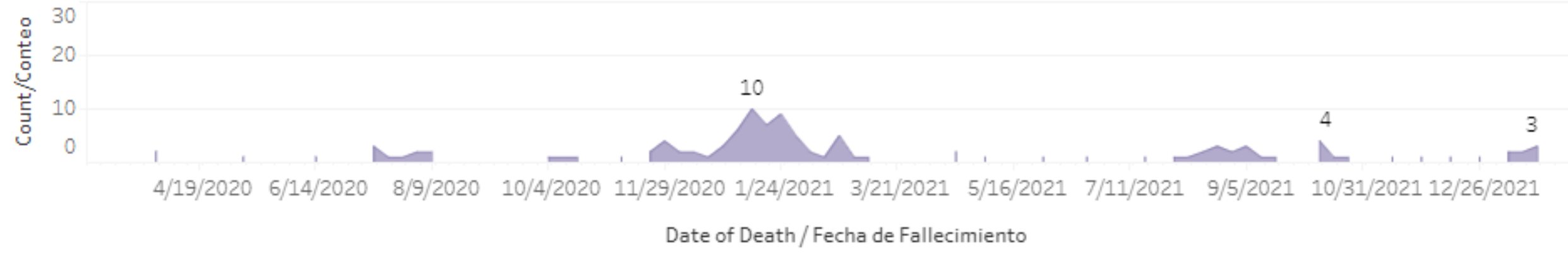


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# DEATH TRENDS

Timeline of Deaths by Week / *Cronología de Muertes por Semana*



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# POST BLUEPRINT METRICS

Measures	CDPH Estimates for Napa
New Cases per 100,000 population per day 7-day average	97.6
Testing positivity 7-day average	16.2%
Health equity testing positivity	24.8%

## Napa County COVID-19 Response Snapshot

### Respuesta al COVID-19 - Resumen del Condado de Napa

Week of / Semana de: 1/30/2022 - 2/5/2022

#### Epidemiological Stability Estabilidad Epidemiológica

Outbreaks / Brotes



27

Compared to last week  
/ En comparación con  
la semana pasada

Congregate  
Setting -  
Entorno De  
Vivienda  
Agrupada

Case doubling time / Tiempo Para  
Alcanzar La Duplicación En Casos



105

Compared to last week  
/ En comparación con  
la semana pasada

Days/Días

#### Hospital Capacity / Capacidad de los Hospitales

Average\* daily bed and medical device availability  
Promedio de disponibilidad diaria de camas y  
equipo médico

Total Beds (including Med Surge)  
No. total de camas (incluyendo durante sobrecarga médica)



ICU Beds / Camas de UCI



Ventilators / Ventiladores



#### Disease Severity Gravedad de la Enfermedad

Hospitalizations  
Hospitalizaciones<sup>^</sup>



Metric: Deaths/Muertes<sup>^</sup>



\*7-Day average / Promedio de 7 días

<sup>^</sup>Previous week's data may change due to a lag in reporting / Los datos de la semana anterior pueden cambiar debido a un retraso en los informes.

Source/Fuente: Napa County Public Health, CA Department of Public Health, CA Emergency Medical Systems



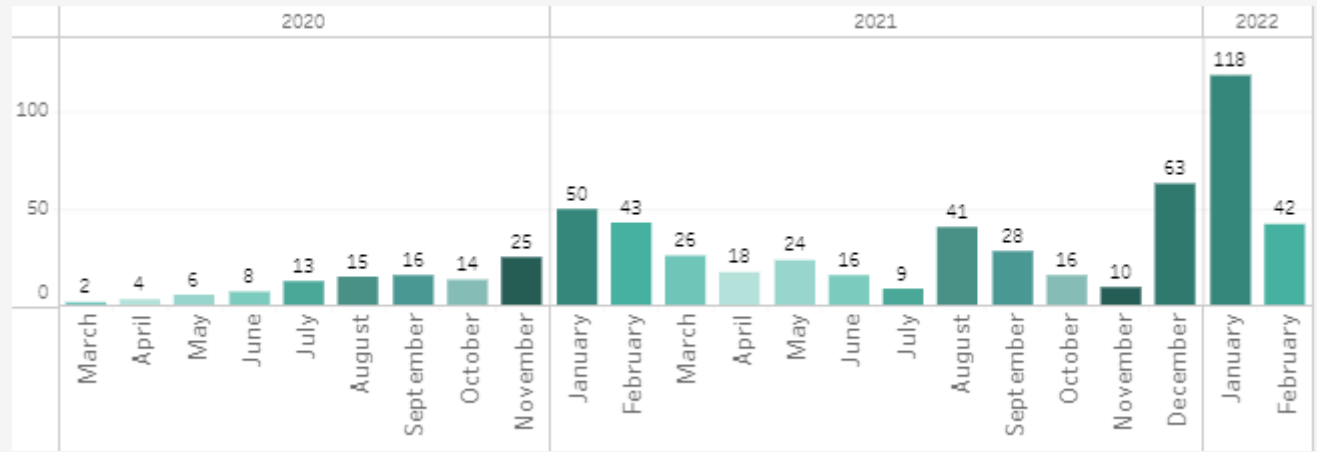
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# OUTBREAKS

We are no longer reporting school outbreaks or exposures due to the high volume of cases and the challenges in reporting them to PH.

Active Outbreaks per month/*Brotos activos por mes*



Current Outbreaks/*Brotos actuales*

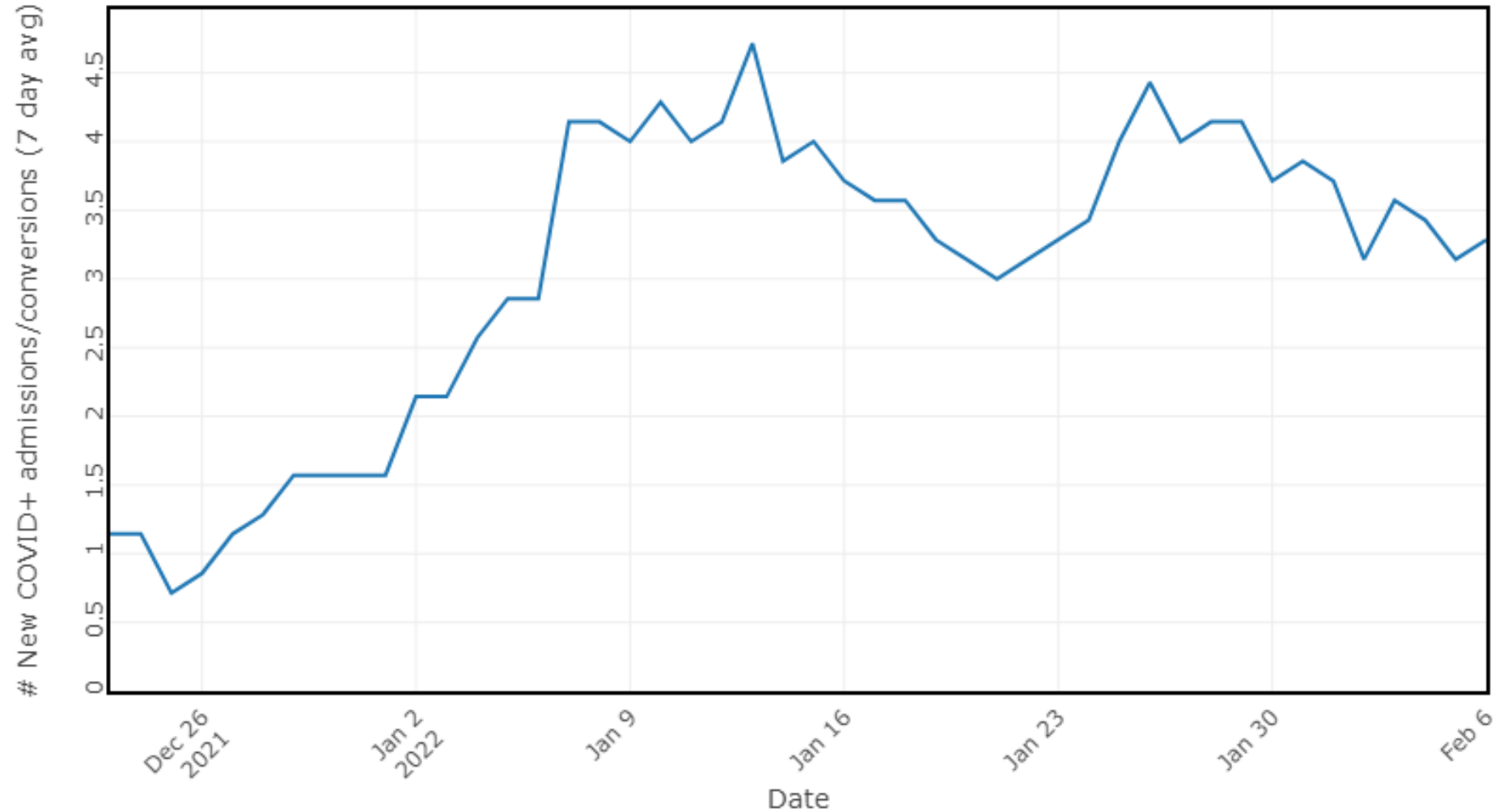
	Closed	Open	Grand Total
Congregate setting/ <i>Entorno de vivienda agrupada</i>	51	27	78
Workplace/ <i>Entorno laboral</i>	146	17	163





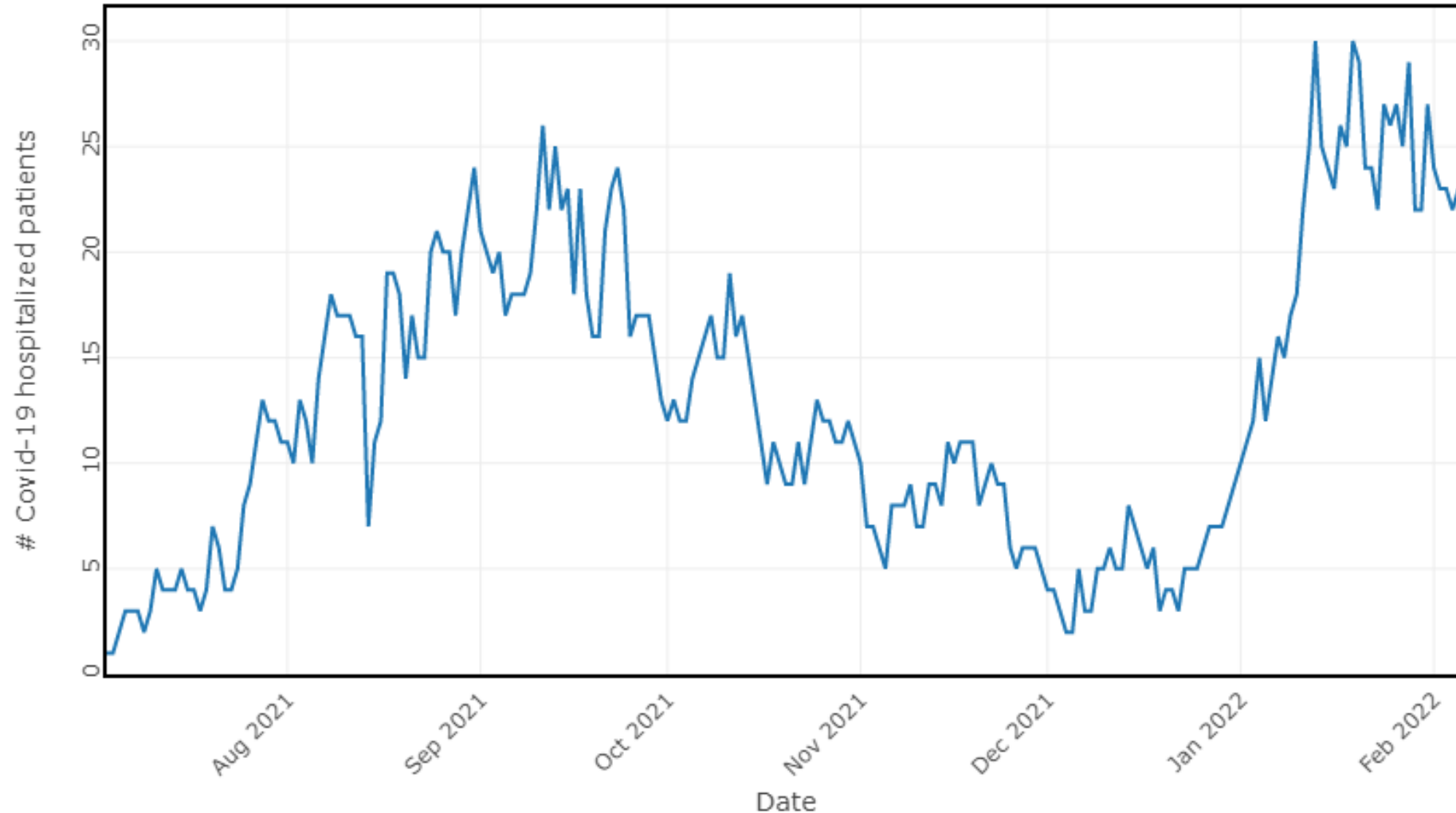
# NEW HOSPITAL ADMISSIONS

# New hospital admissions/conversions (7 day avg) for Napa



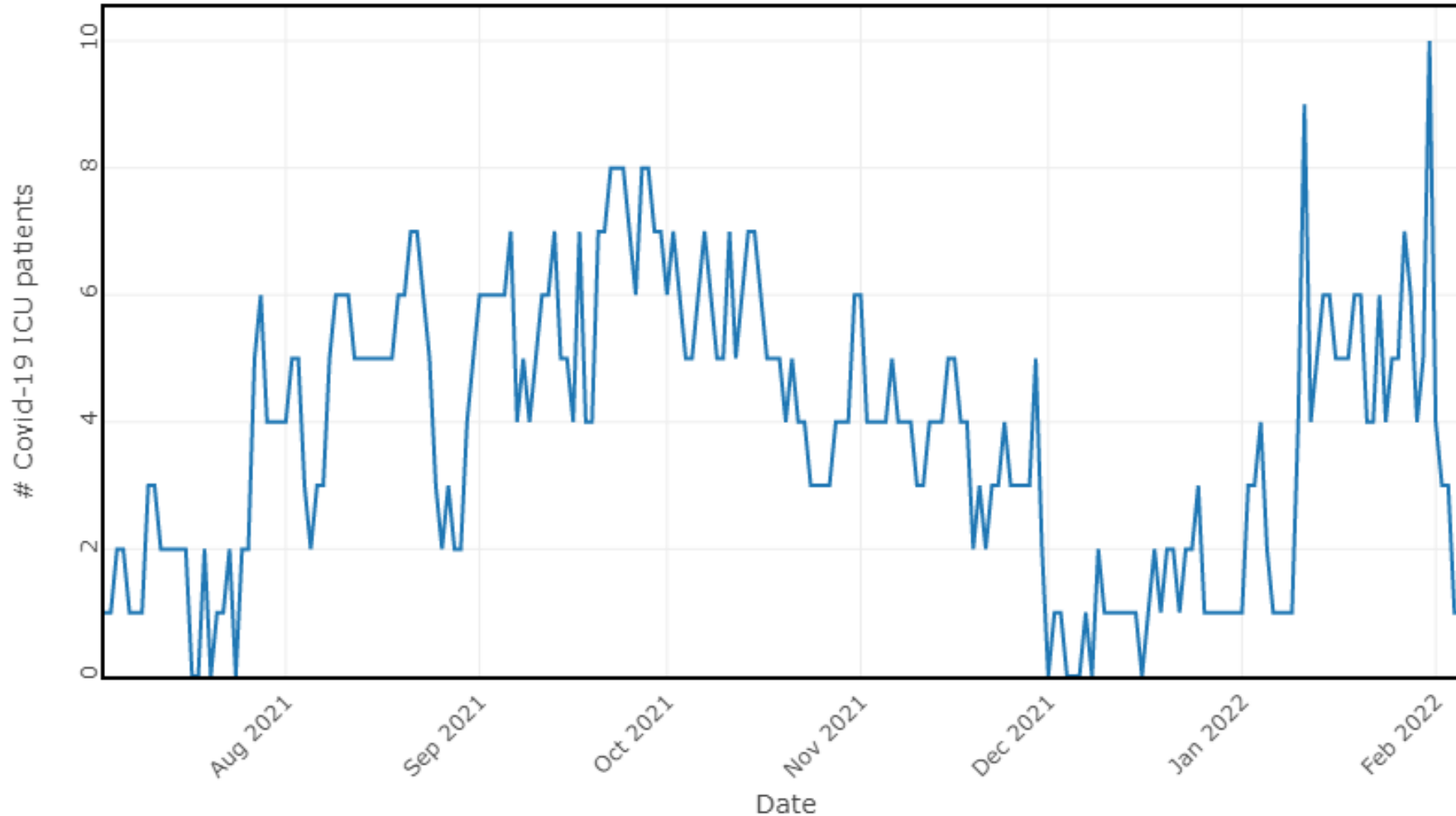
# # HOSPITALIZED PATIENTS THAT ARE COVID+

# of hospitalized patients that are COVID+ for Napa



# # ADULT ICU PATIENTS THAT ARE COVID+

# of adult ICU patients that are COVID+ for Napa

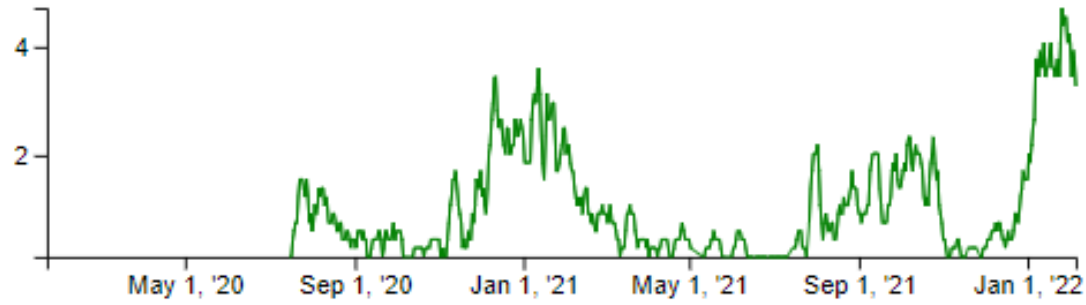


**New Admissions (last 7 days)** 21  
 Rate of New Admissions per 100 beds 16.99 (last 7 days)  
**Rate of New Admissions per 100k people (last 7 days)** 15.25  
 % Change (last 7 days) -27.59

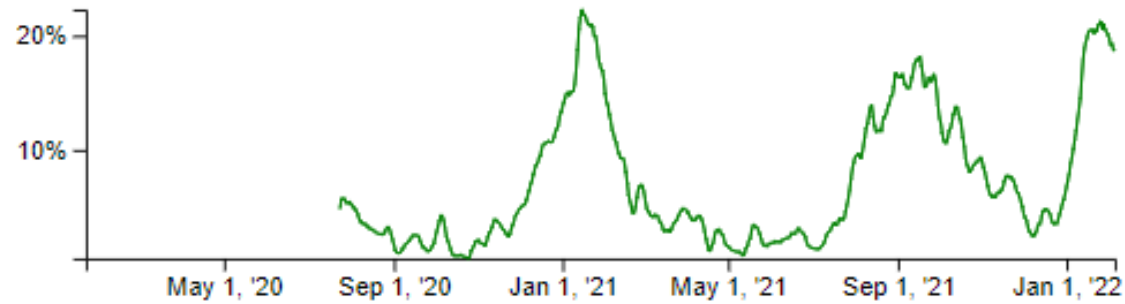
**% Beds Used (last 7 days)** 17.11  
 % Change (last 7 days) -1.55

**% ICU Beds Used (last 7 days)** 20.77  
 % Change (last 7 days) -5.85

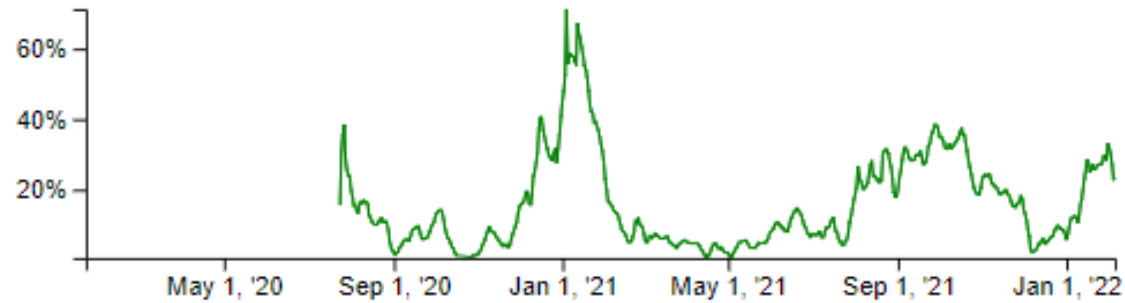
Daily Hospital Admissions - 7-Day Moving Average



Daily % Beds Used



Daily % ICU Beds Used



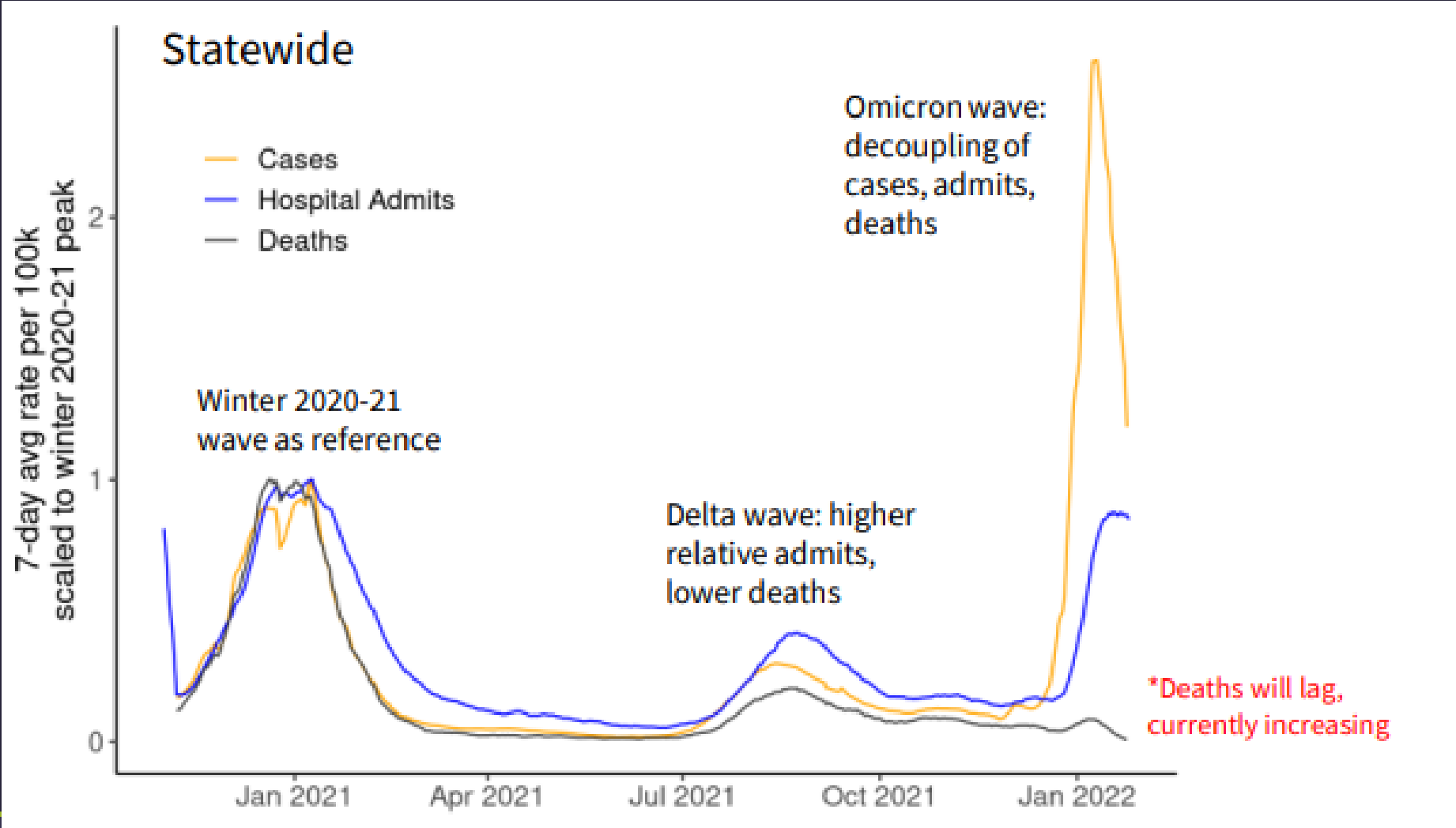
# HOSPITAL UTILIZATION: CDC



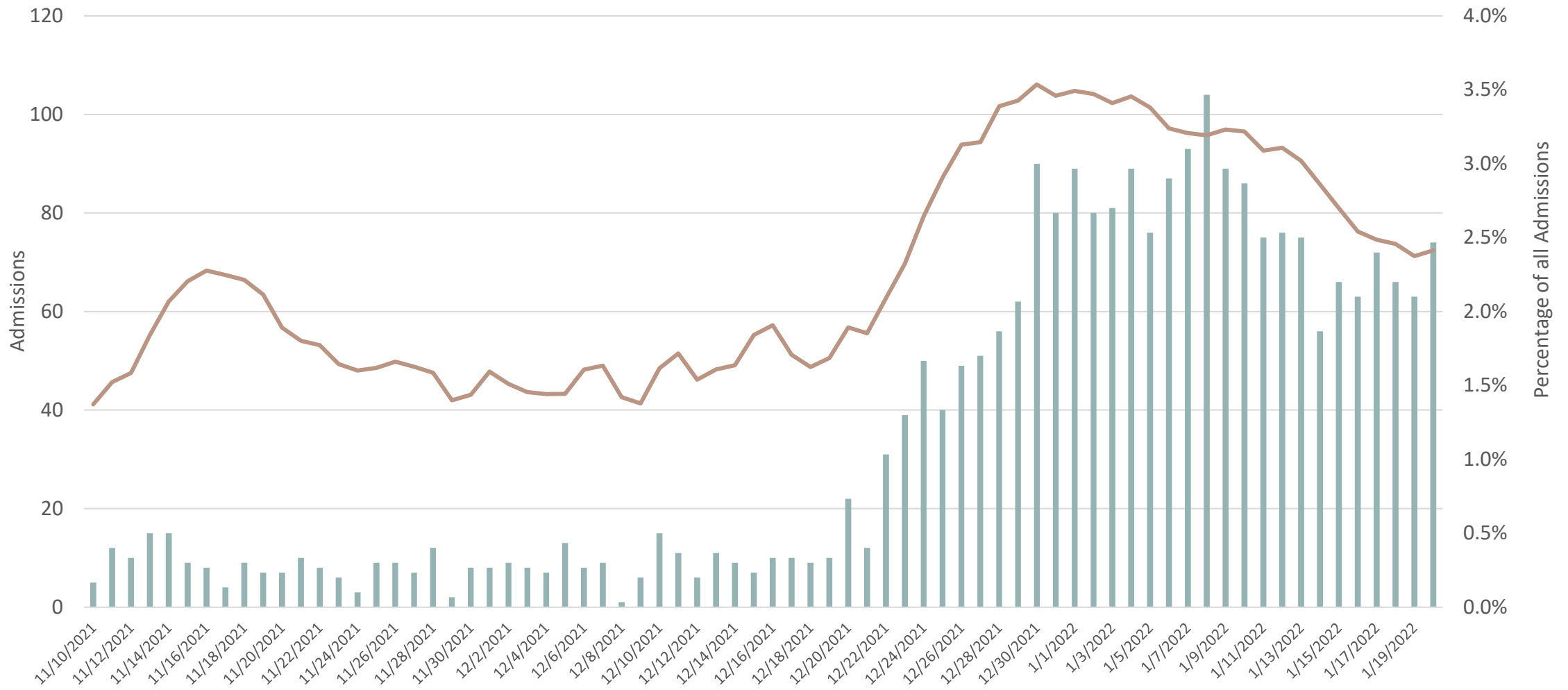
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# DECOUPLING OF HOSPITAL ADMISSIONS AND DEATHS



# Daily COVID+ Admissions in Children Aged 0-17 Years, California

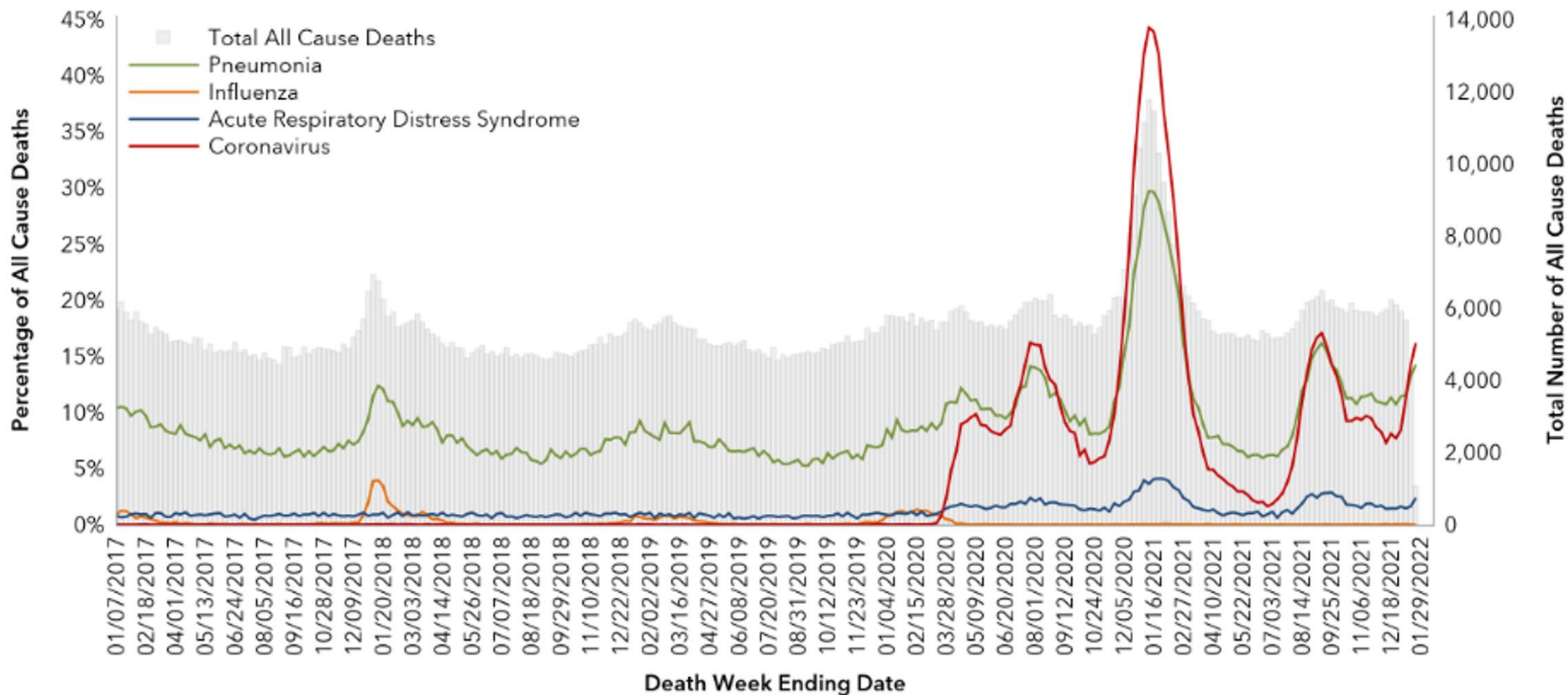


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 2/7/2022

Admissions Percentage of all admissions (7 day average)



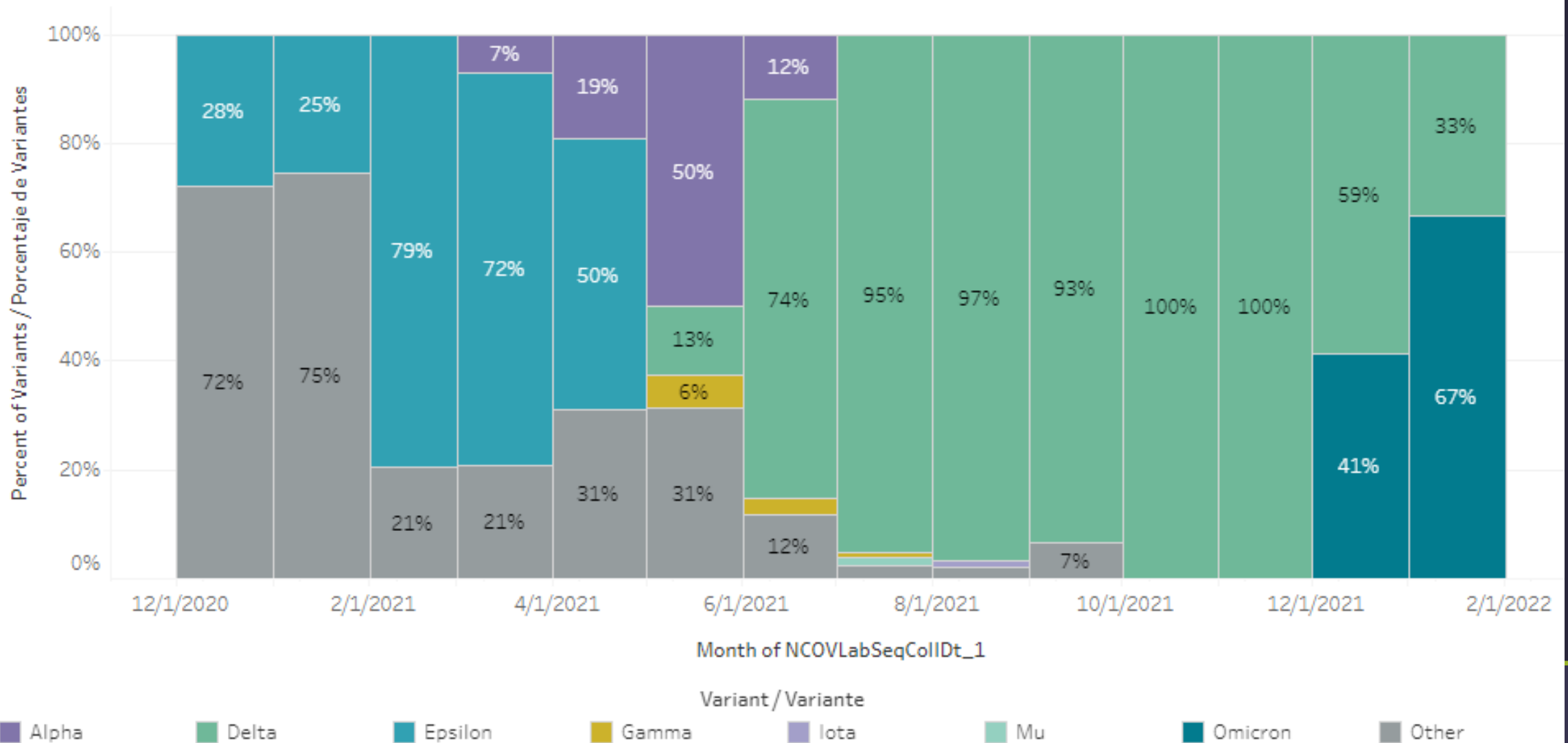
Percentage of Deaths with Pneumonia, Influenza, Acute Respiratory Distress Syndrome (ARDS), and Coronavirus (including COVID-19) Anywhere on the Death Certificate\*



\*Reporting lag is approximately 2 weeks. Data are provisional and subject to change.

# VARIANTS IN NAPA COUNTY

Variants by Month / *Variantes por Mes*



Source/Fuente: Napa County Public Health, CA Department of Public Health

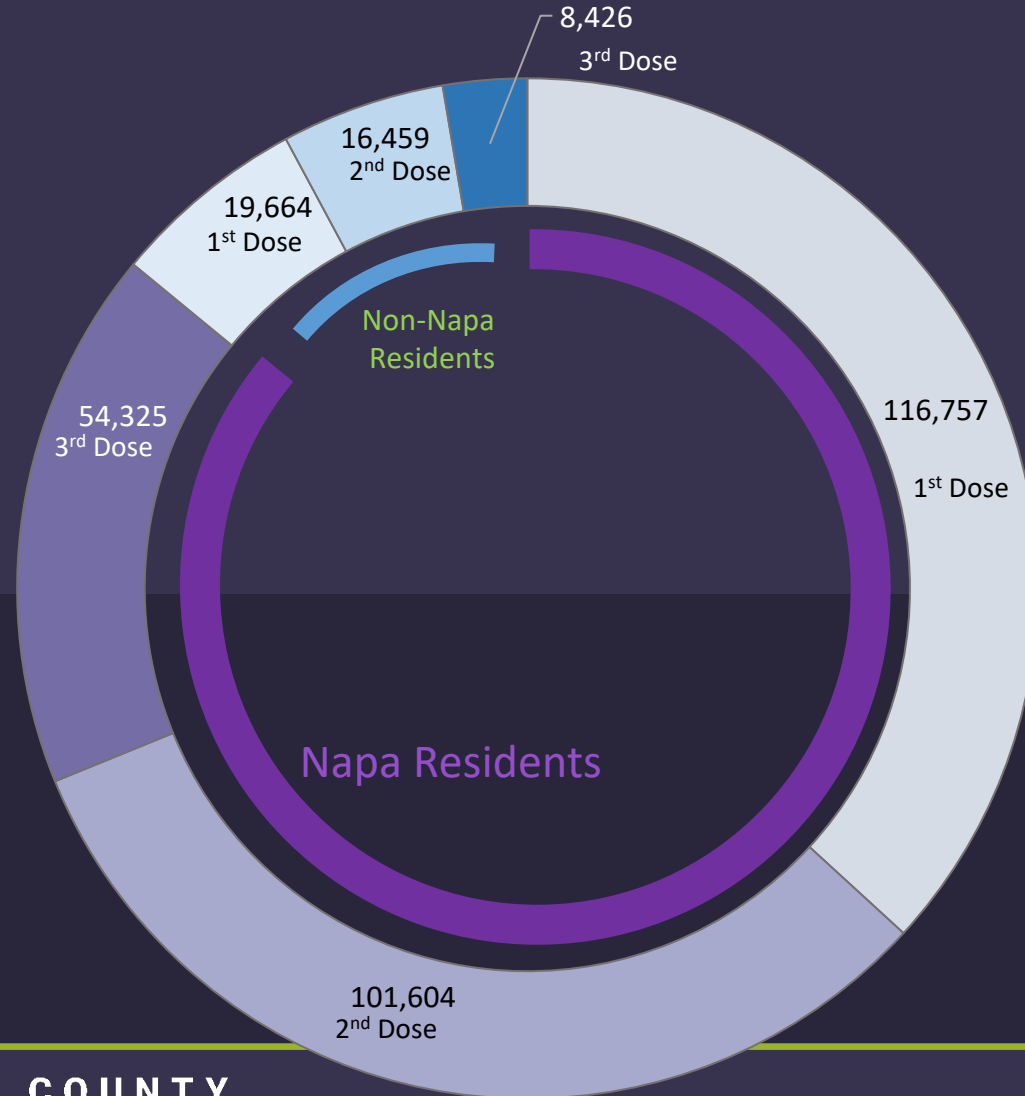


# OMICRON SUBVARIANTS

- There are three sublineages of Omicron: BA.1, BA.2 and BA.3
- BA.1 is the dominant Omicron sublineage worldwide
- Frequency of BA.2 cases sequenced is increasing in some countries (Denmark, Norway, Sweden, India, Philippines, and Singapore)
- Early analysis suggests increased growth rate for BA.2 vs. BA.1.
- Hospitalization data from Denmark does not suggest an increased risk of hospitalization due to BA.2



# DOSES ADMINISTERED TO RESIDENTS & NON-RESIDENTS



Total Doses Administered in Napa County = 311,586 (+4,922 since last week)

Total Doses Administered to Napa Residents = 273,242 (+3,498 since last week)

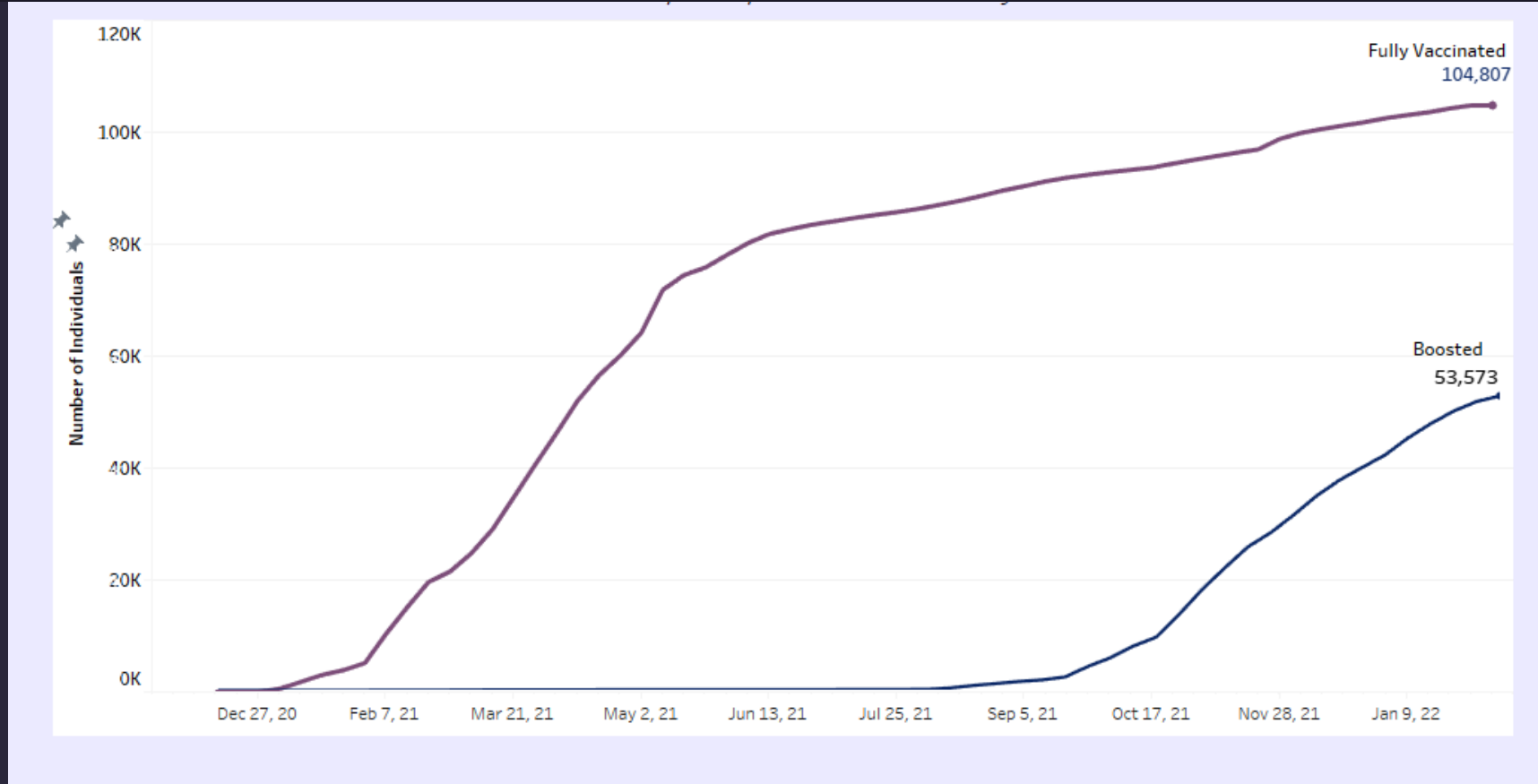
Reported as 2/7/2022



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**89 % of eligible Napa County residents partially vaccinated.**  
**80 % of eligible Napa County residents are fully vaccinated.**  
**75.6 % of ALL Napa County residents are fully vaccinated.**  
**57 % of all eligible Napa County residents are boosted.**



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As reported 2/7/2022



## Compared to people who are fully vaccinated

People who are not fully vaccinated are:

**97%**

More likely to test positive for COVID-19

People who are not fully vaccinated are:

**127%**

More likely to get hospitalized for COVID-19

People who are not fully vaccinated are:

**240%**

More likely to die of COVID-19

As reported 2/7/2022

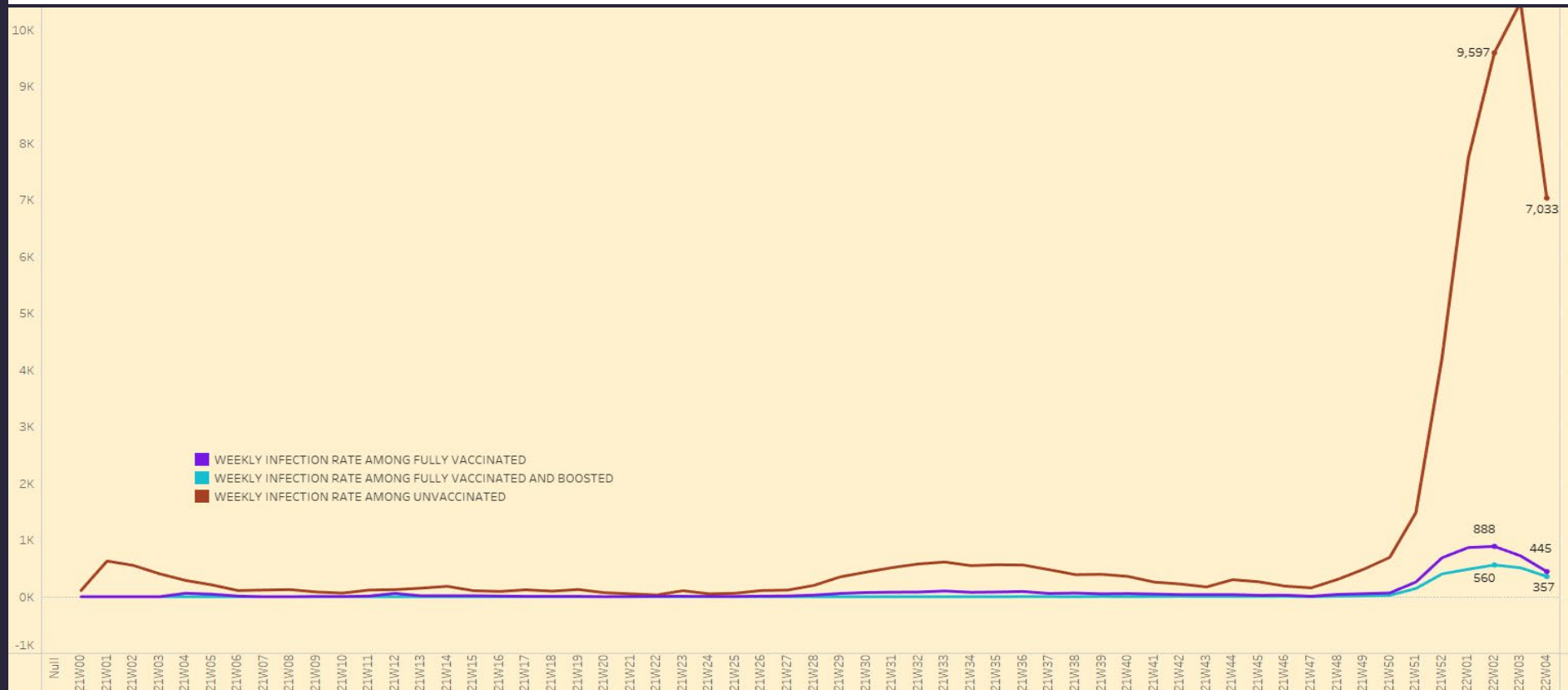


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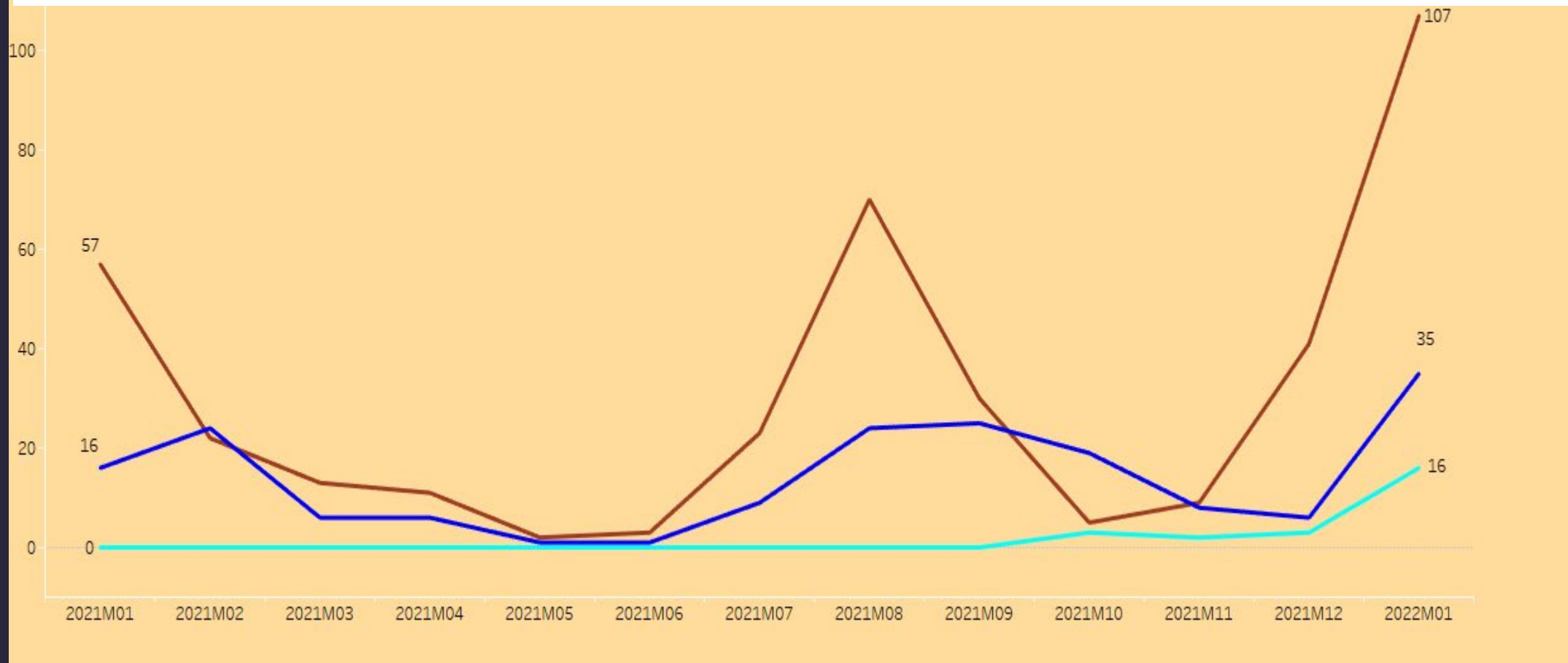


# Weekly New-Case Rates Between Vaccinated and Unvaccinated (12+ Population)

The Most Recent Weekly New-Case rate in unvaccinated is ~16 times higher than vaccinated.



## Hospitalization Rate of Covid-19 Among Unvaccinated, Fully Vaccinated and Boosted by Month (adjusted for age)



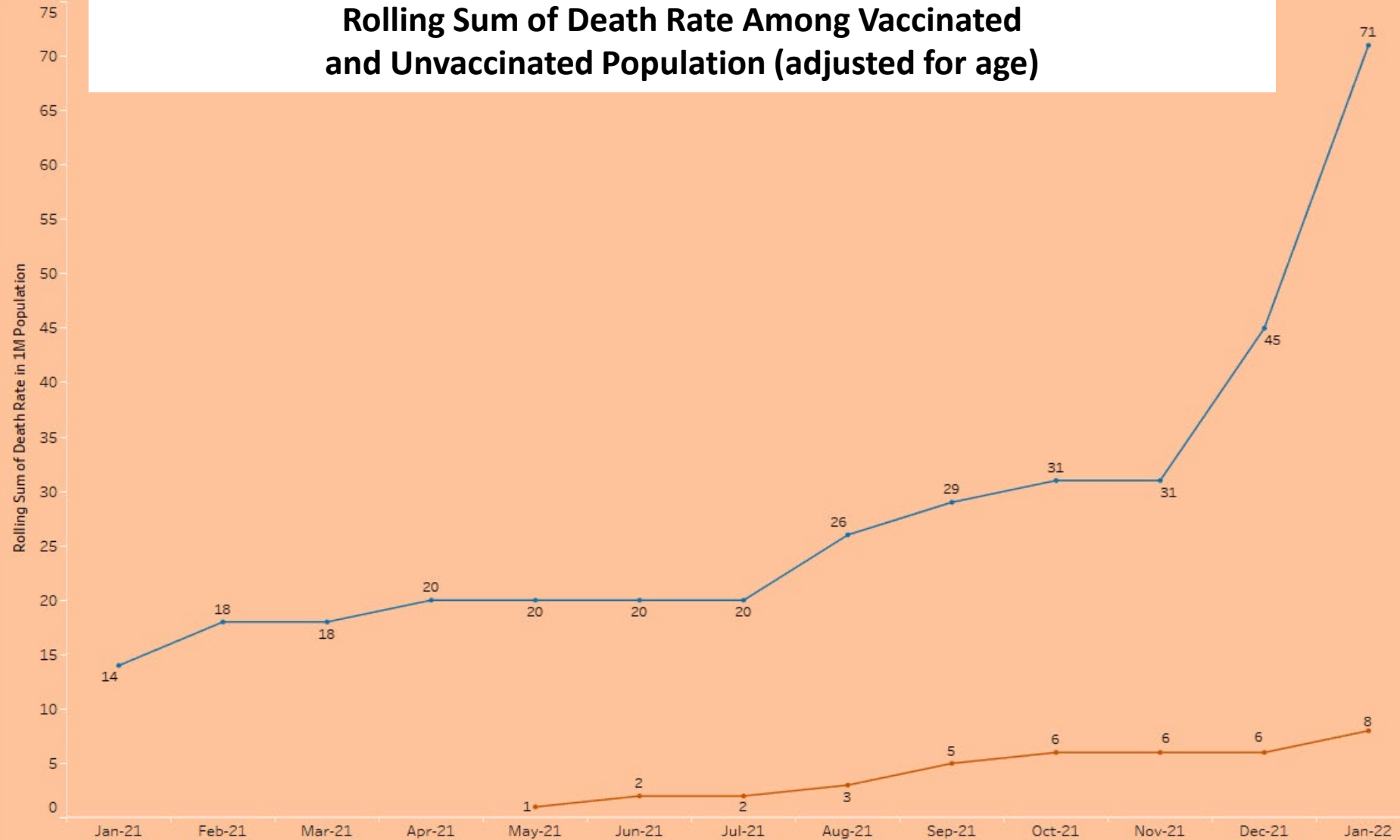
As reported 2/7/2022



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## Rolling Sum of Death Rate Among Vaccinated and Unvaccinated Population (adjusted for age)



As reported 2/7/2022



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# CDPH HEALTHCARE BOOSTER MANDATE EXTENSION DATE

- State Health orders requiring healthcare workers to be boosted, now by March 1, 2022 instead of February 1, 2022
  - [Adult Care Facilities and Direct Care Worker Vaccine Requirement Q&A](#)
  - [Health Care Worker Vaccine Requirement Q&A](#)
  - [State and Local Correctional Facilities and Detention Centers Health Care Worker Vaccination Requirement Q&A](#)



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# STATEWIDE INDOOR MASKING ORDER LIFTS ON 2/16

- Universal indoor masking shall remain required in only specified settings
  - On public transit (includes ride shares)
  - Indoors in K-12 schools and childcare
  - Emergency shelters and cooling and heating centers
  - Healthcare settings
  - State and local correctional facilities and detention centers
  - Homeless shelters
  - Long Term Care Settings & Adult and Senior Care Facilities
- Only unvaccinated persons are required to mask in all indoor public settings
- Fully vaccinated individuals are recommended to continue indoor masking when the risk may be high
- Napa County will likely follow state guidance



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[https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/C  
OVID-19/guidance-for-face-coverings.aspx](https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/C<br/>OVID-19/guidance-for-face-coverings.aspx)



# CHANGES TO MEGA EVENTS

- Taking effect February 16, 2022
- This guidance will return to thresholds of 1,000 attendees for Indoor Mega Events and 10,000 attendees for Outdoor Mega Events.

<b>Vaccine Verification / Negative Testing</b>	Required for <b>Indoor</b> Mega Events Recommended for <b>Outdoor</b> Mega Events
<b>Capacity Limitations</b>	No restrictions
<b>Physical Distancing</b>	No restrictions for attendees, customers, and guests
<b>Masking</b>	Follow current CDPH Guidance for Face Coverings. Refer to CDPH Get the Most Out of Masking for more information on getting the best fit and filtration for your mask
<b>Travelers</b>	Recommend following CDC and CDPH Travel recommendations.



# CHANGES TO VISITATION ORDERS EFFECTIVE 2/8

- Removed the **following requirement** that was put in place on 12/31 for Skilled Nursing Facilities, Intermediate Care Facilities and Adult and Senior Care Residential Facilities:
  - (1) for indoor visitation, verify visitors are vaccinated, have had all recommended booster doses and provide evidence of a negative SARS-CoV-2 test within one day of visitation for antigen tests, and within two days of visitation for PCR tests; OR
  - (2) **permit only outdoor visitation for those that do not meet all the vaccine or booster requirements.** For outdoor visitation, visitors must provide evidence of a negative SARS-CoV-2 test within one day of visitation for antigen tests, and within two days of visitation for PCR tests.



# CHANGES TO VISITATION ORDERS

- Unvaccinated or incompletely vaccinated visitors are eligible for indoor visits only if they can show documentation of a negative SARS-CoV-2 test within one day of visitation for antigen tests, and within two days of visitation for PCR tests;
- Unvaccinated or incompletely vaccinated visitors with history of COVID-19 within the prior 90 days may provide documentation of recovery from COVID-19 in lieu of testing
- If a resident is not able to leave their room or otherwise meet with visitors outdoors, the visitation may take place indoors, even for visitors who cannot provide vaccine verification or a negative test; however, these visits cannot take place in common areas, or in the resident's room if the roommate is present



# STATE VISITATION ORDERS

- Long Term Care Visitation State Public Health Officer Order
  - <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Requirements-for-Visitors-in-Acute-Health-Care-and-Long-Term-Care-Settings.aspx>
- Skilled Nursing Facility (SNF) Visitation AFL
  - <https://www.cdph.ca.gov/Programs/CHCQ/LCP/Pages/AFL-22-07.aspx>
- Assisted Living Facility (ALF) Visitation PIN
  - <https://www.cdss.ca.gov/Portals/9/CCLD/PINs/2022/ASC/PIN-22-07-ASC.pdf>



# FDA APPROVAL OF MODERNA COVID-19 VACCINE

- Moderna vaccine has been available under EUA for  $\geq 18$  years-old persons since 12/18/2020
- It has met the FDA's approval standards for safety, effectiveness and manufacturing.
  - Effectiveness:
    - 93% VE against COVID-19 infection
    - 98% VE against severe disease
  - Safety:
    - Increased risks for myocarditis in males 18 – 24 years of age
    - Majority of cases had resolution of symptoms
- The approved Moderna vaccine's brand name is Spikevax.



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FDA News Release (1/31/2022): Approval of Second COVID-19 Vaccine



# VACCINES FOR CHILDREN 6 MONTHS THROUGH 4 YEARS OF AGE

- FDA Vaccines and Biological Products Advisory Committee (VRBPAC) will meet on 2/15/22 to discuss a request to amend the Emergency Use Authorization (EUA) of the Pfizer-BioNTech COVID-19 mRNA vaccine for administration to children 6 months through 4 years of age.
- Vaccines for this age group may be available by March



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# COVID-19 IS A CHILDHOOD ILLNESS

- 4x more deaths than flu
- 11x higher risk of hospitalization
- Poorest Neighborhoods are far behind
- 65% of kids not vaccinated

## MAKE NO MISTAKE COVID-19 IS A CHILDHOOD ILLNESS



### COVID-19 CAN BE SERIOUS FOR KIDS.



**4X MORE DEATHS  
THAN FLU**

**800  
DEATHS**

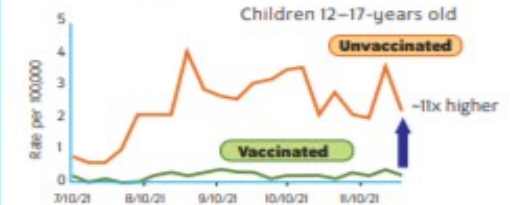
Over 800 children have died from COVID-19 in the US, compared to approximately 200 pediatric flu deaths over the past two years.

**8,300  
HOSPITALIZATIONS**

About 1 in 3 children hospitalized with COVID-19 in the US were admitted to the ICU, similar to the rate among adults.

### 11X HIGHER RISK OF HOSPITALIZATION

COVID-19 associated hospitalizations in unvaccinated children are 11x higher than fully vaccinated.



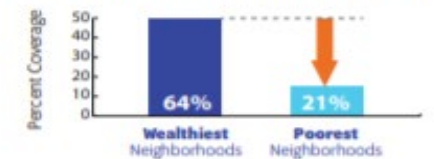
**PEDIATRIC VACCINATION COVERAGE IS LOW, ESPECIALLY FOR CALIFORNIA'S MOST VULNERABLE CHILDREN**

**65% OF KIDS  
NOT VACCINATED**

Over 65% of California children ages 5-11 years have yet to receive 1 dose of COVID-19 vaccine, leaving most children vulnerable to Omicron and future variants likely to follow.

### POOREST NEIGHBORHOODS ARE FAR BEHIND

Only about 21% of children in California's poorest neighborhoods are vaccinated against COVID-19 compared to 64% in wealthiest neighborhoods.



Children, ages 5-11 (as of January 26, 2022).



California COVID-19 Vaccination Program

IMM-1415-VFC (1/26/22)



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Infographic: COVID-19 is a Childhood Illness







## COVID-19 Treatments

Talk with your healthcare provider to find out if you qualify for a COVID-19 treatment. You may be eligible if you: have recently tested positive for COVID-19, have been in close contact with someone who has tested positive, are immunocompromised, or have had a severe adverse reaction to a COVID-19 vaccine (meaning you cannot be fully vaccinated). Treatments may help you recover faster from COVID-19 or protect you against COVID-19.

[Learn More](#)



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SARS-CoV-2 Negative (-) <i>Prophylaxis</i>		SARS-CoV-2 Positive (+) <i>Treatment</i>
Not Exposed	Exposed	Mild Illness or Moderate Illness
<b>Treatment Options</b>  <b>Long-Acting Monoclonal Antibody</b> <ul style="list-style-type: none"> <li>➤ Tixagevimab /cilgavimab (EVUSHELD)</li> </ul>	<b>Monoclonal Antibodies</b> <ul style="list-style-type: none"> <li>➤ Bamlanivimab/etesevimab</li> <li>➤ Casirivimab/imdevimab (REGEN-COV)</li> </ul>	<b>Monoclonal Antibodies</b> <ul style="list-style-type: none"> <li>➤ Bamlanivimab/etesevimab</li> <li>➤ Casirivimab/imdevimab (REGEN-COV)</li> <li>➤ Sotrovimab</li> </ul>
		<b>Antivirals</b> <ul style="list-style-type: none"> <li>➤ Nirmatrelvir/ritonavir (PAXLOVID)</li> <li>➤ Molnupiravir (LAGEVRIO)</li> <li>➤ Remdesivir (VEKLURY)</li> </ul>

**Bamlanivimab/etesevimab and casirivimab/imdevimab are not effective against the Omicron variant and are currently **not authorized** for use in any US state per the FDA.**



SARS-CoV-2 Negative (-) <i>Prophylaxis</i>		SARS-CoV-2 Positive (+) <i>Treatment</i>
Not Exposed	Exposed	Mild Illness or Moderate Illness
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# TREATMENT

- Your health care provider will consider several factors when determining if an outpatient treatment is right for you:
  - Recently around someone with COVID-19
  - Tested positive for COVID-19 with mild symptoms
    - Mild symptoms: fever, cough, sore throat, malaise, headache, muscle pain, nausea, vomiting, diarrhea, loss of taste and smell. No shortness of breath, dyspnea, or abnormal chest imaging.
  - Tested positive for COVID-19 with moderate symptoms
    - Moderate symptoms: evidence of lower respiratory disease during clinical assessment, shortness of breath and/or difficulty breathing but with oxygen levels  $\geq 94\%$ .
- Potential for developing serious illness from COVID 19 that may lead to hospitalization or even death.



# TESTING

- Multiple test sites experiencing less wait times
- State-contracted testing site has increased lanes and operating hours, but demand is down
- Home test kits being distributed from CDPH to
  - Department of Social Services licensed Adult and Childcare facilities through regional resource centers for visitors, staff and clients
  - County offices of education for public and private schools
- CLIA-waived tests distributed from CDPH to local health jurisdictions for use in staff in hospitals, outpatient settings, congregate facilities



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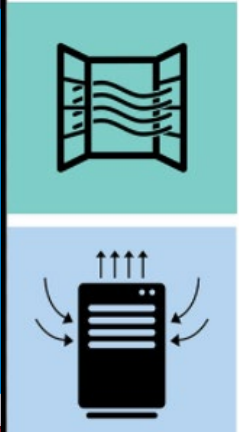
# IS COVID-19 REALLY ENDEMIC YET?

- Endemic is a disease outbreak that is consistently present but limited; disease spread and rates are predictable.
- Epidemic as an unexpected increase in the number of disease cases in a specific geographical area.
- Pandemic cuts across international boundaries, which leads to large-scale social disruption, economic loss, and general hardship



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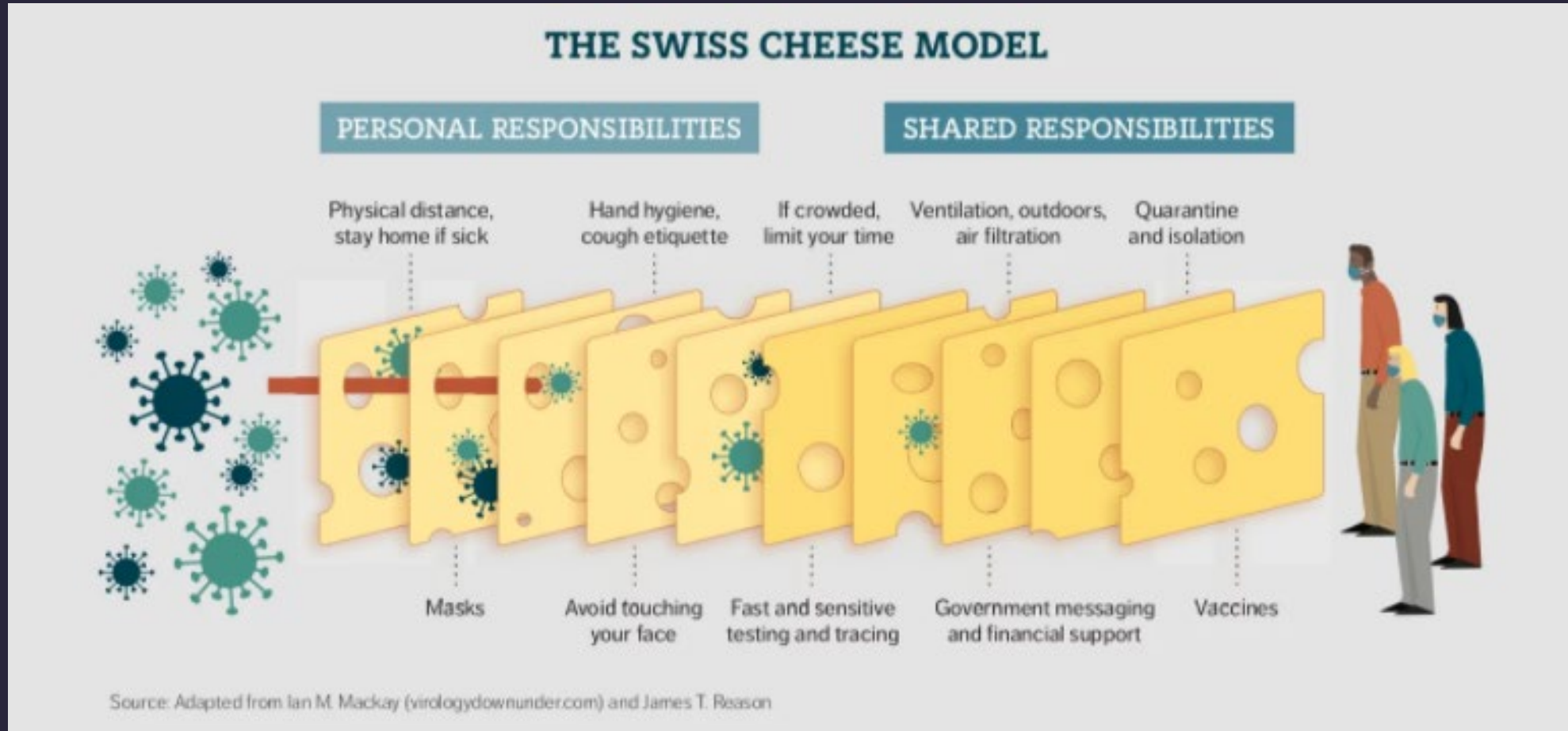
Good	Better	Best
Fabric mask with 3 or more cloth layers	Double mask (surgical + cloth mask)	N95 KN95 KF94



# COVID-19 TOOLBOX



# LAYERED COVID PREVENTION



Multiple layers improve success in protecting healthcare capacity and keeping schools open



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