COVID-19 (SARS-CoV-2) UPDATES

January 25, 2022

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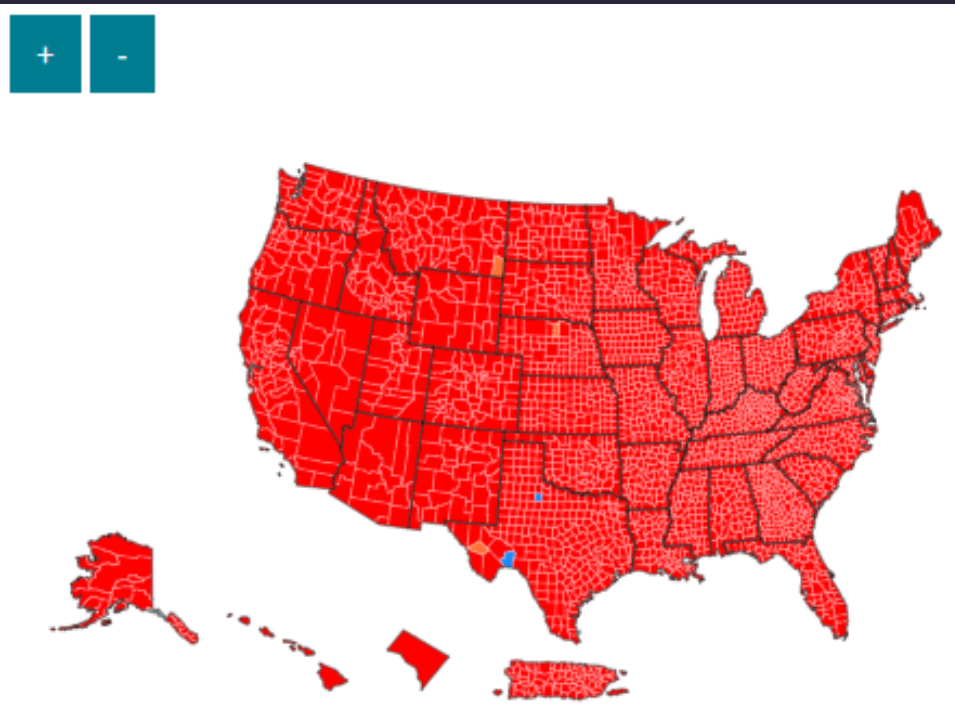
Public Health Officer
Deputy Director of HHSA

NAPA COUNTY
Health & Human Services Agency

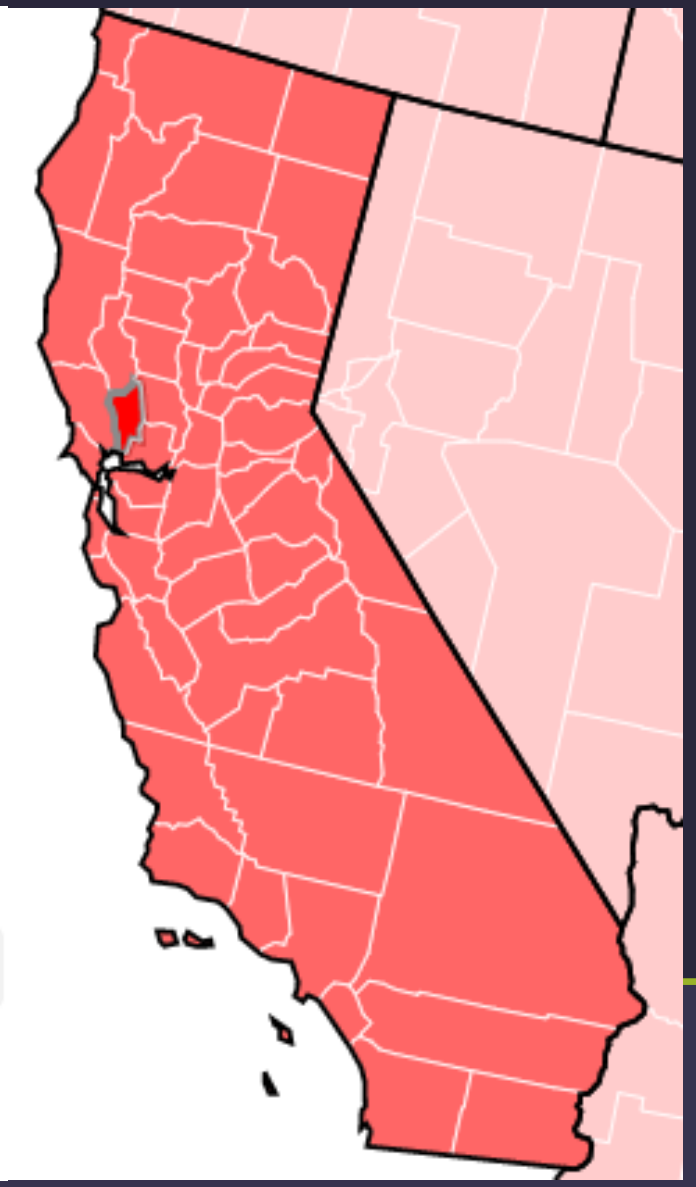
CDC COMMUNITY TRANSMISSION MAP



Community Transmission in US by County

	Total	Percent	% Change
High	3215	99.78%	0.28%
Substantial	2	0.06%	-0.09%
Moderate	0	0%	0%
Low	3	0.09%	-0.19%

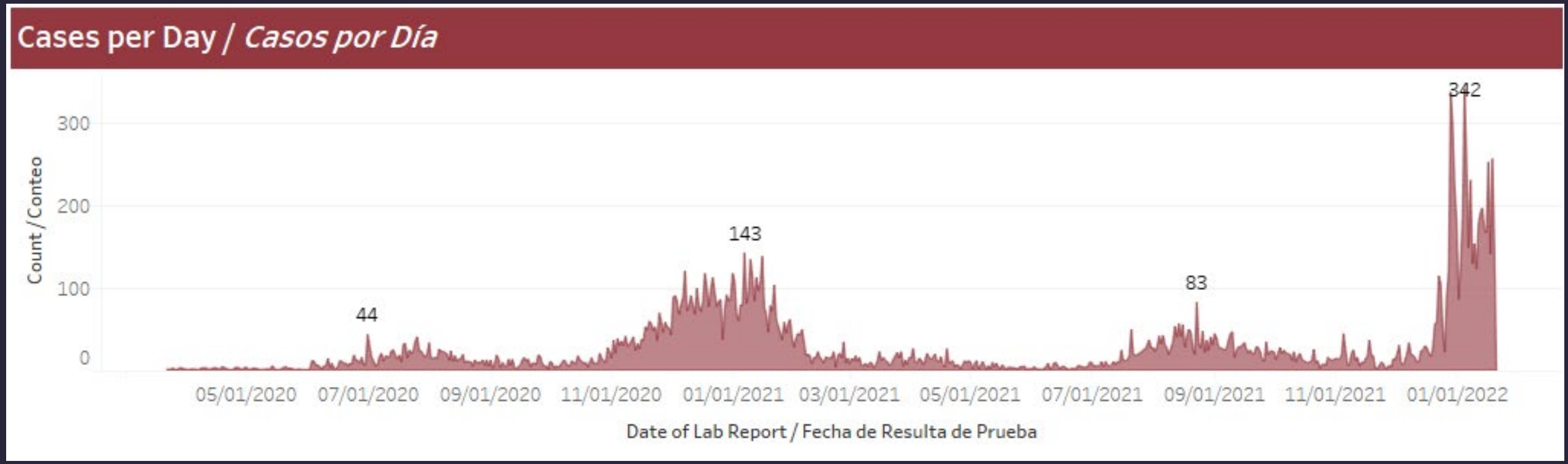
How is community transmission calculated?



High Substantial Moderate Low No Data

Current 7-days is Mon Jan 17 2022 - Sun Jan 23 2022 for case rate and Sat Jan 15 2022 - Fri Jan 21 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.

DAILY CASE COUNTS

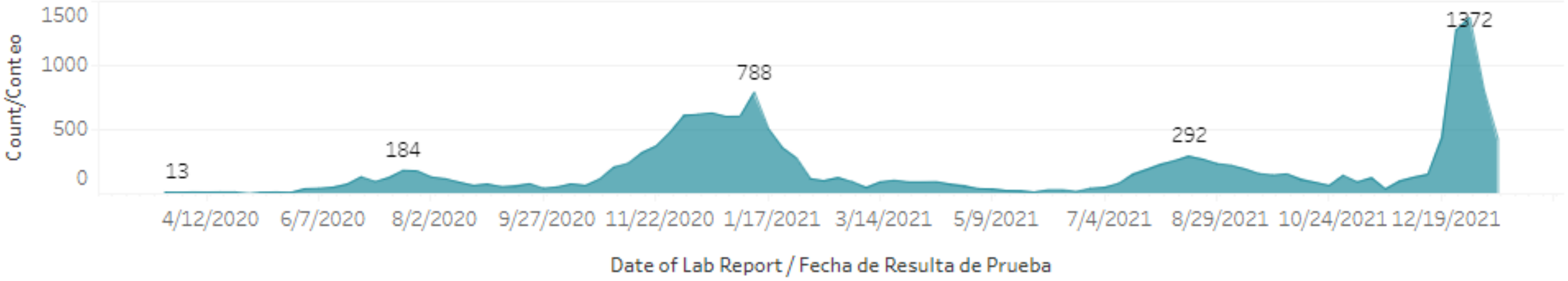


WEEKLY CASE TRENDS

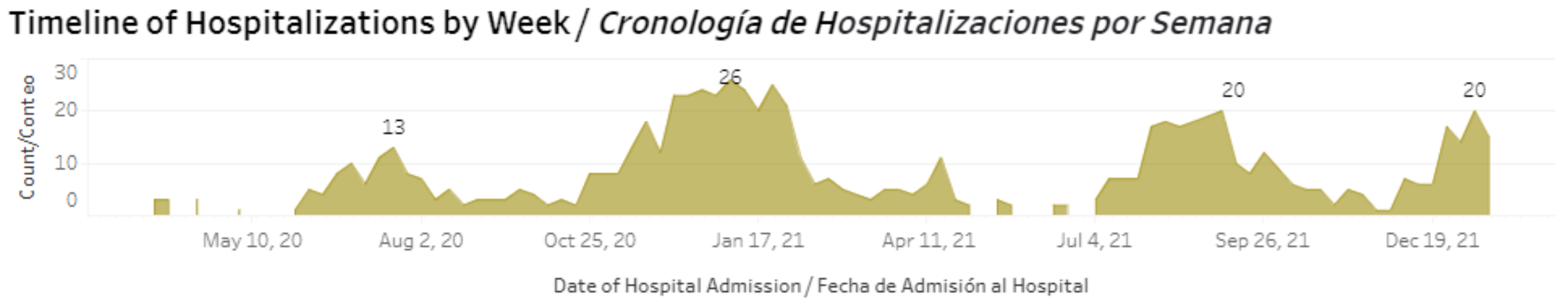
Monthly Summary / *Resumen Mensual*

	Cases / Casos	Hospitalizations / Hospitalizaciones	Deaths / Muertes
October	466 ▼44%	31 ▼43%	6 ▼14%
November	406 ▼13%	12 ▼61%	2 ▼67%
December	1873 ▲361%	31 ▲158%	1 ▼50%

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



HOSPITALIZATION TRENDS



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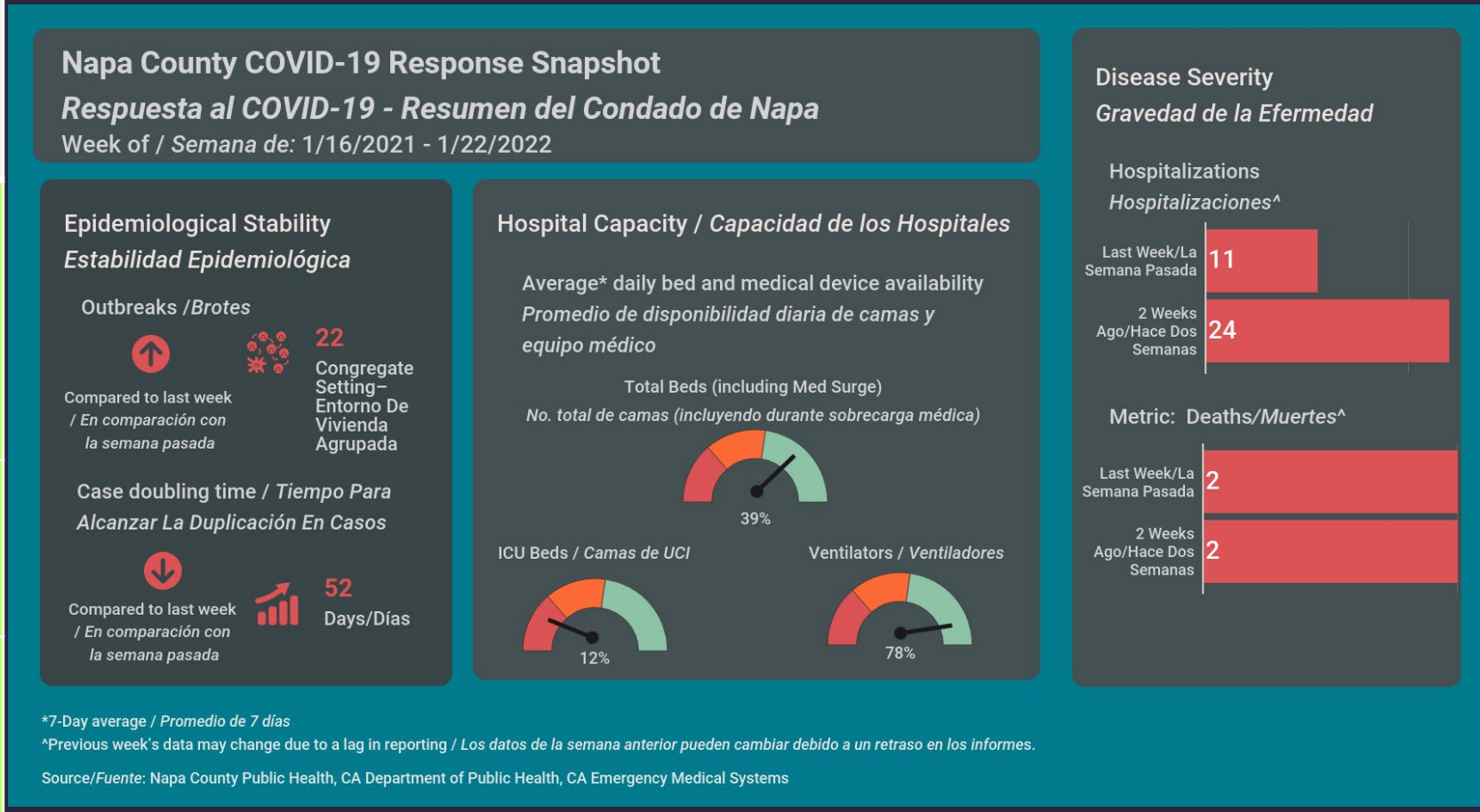
POST BLUEPRINT METRICS

Measures	CDPH Estimates for Napa
New Cases per 100,000 population per day 7-day average	151.8
Testing positivity 7-day average	20.7%
Health equity testing positivity	28%



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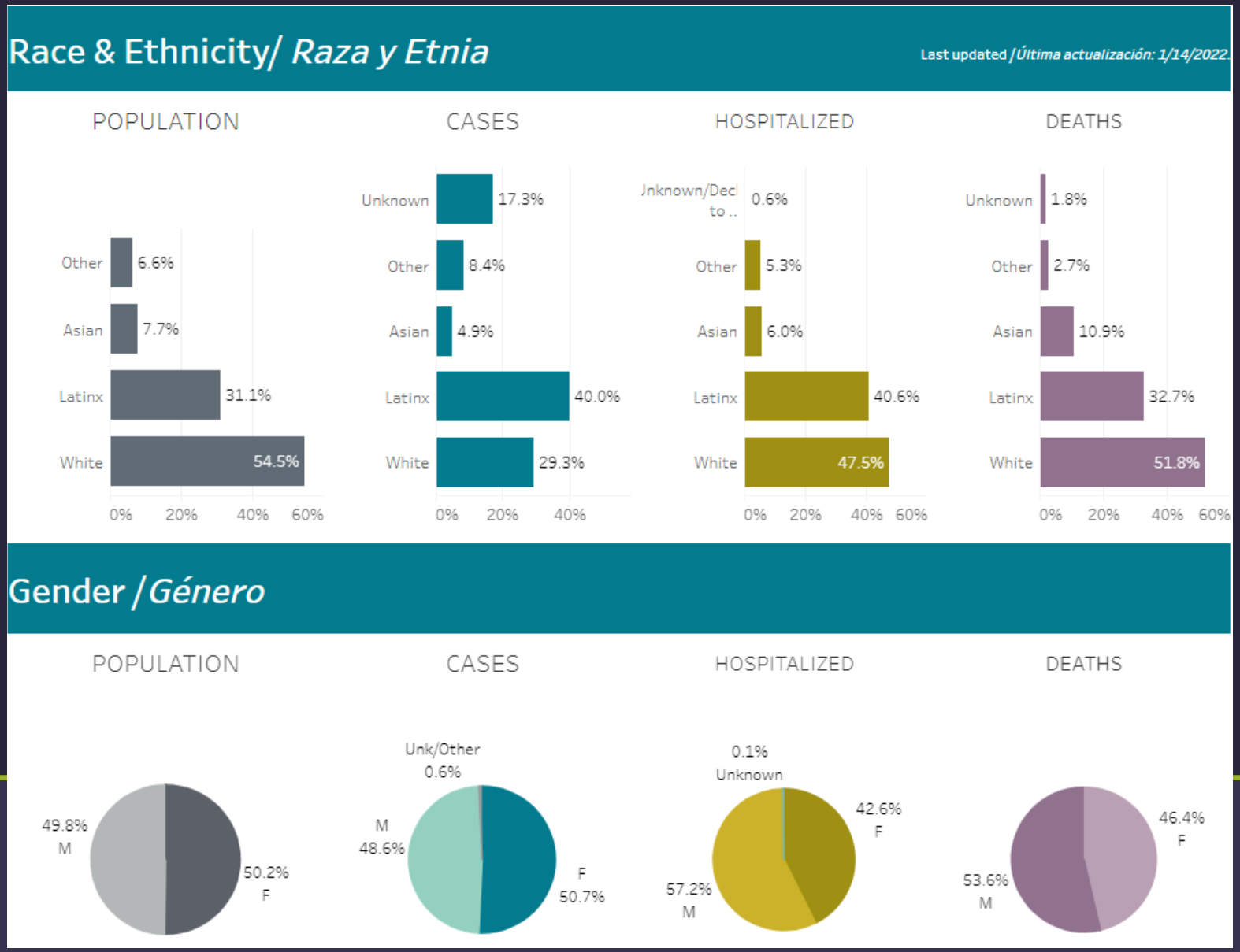
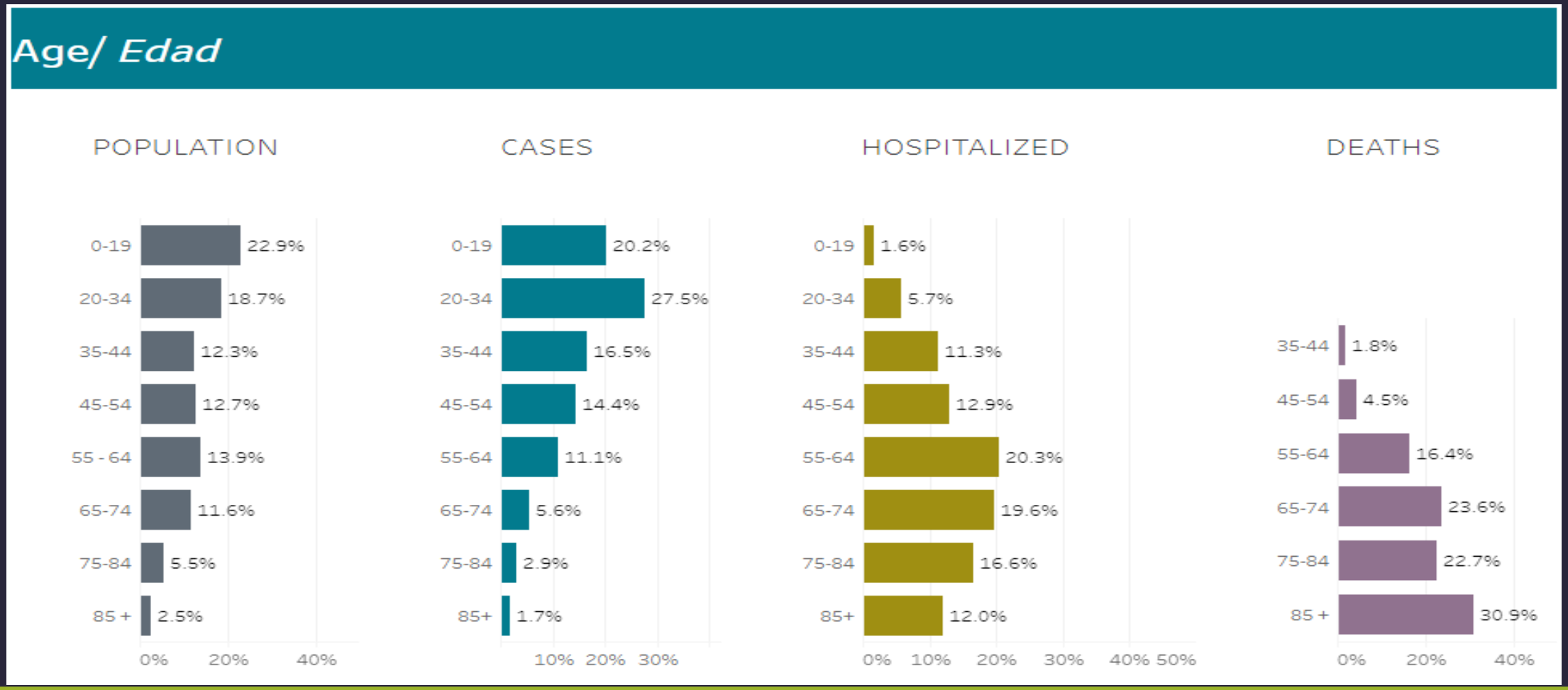
COVID-19 DEMOGRAPHICS



As of 1/24/2022:

- 18,904 Total Cases
- 701 Total Hospitalizations
- 112 Total Deaths

COVID-19 DEMOGRAPHICS – AGE DISTRIBUTION



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Compared to people who are fully vaccinated

People who are not fully vaccinated are:

72%

More likely to test positive for COVID-19

People who are not fully vaccinated are:

95%

More likely to get hospitalized for COVID-19

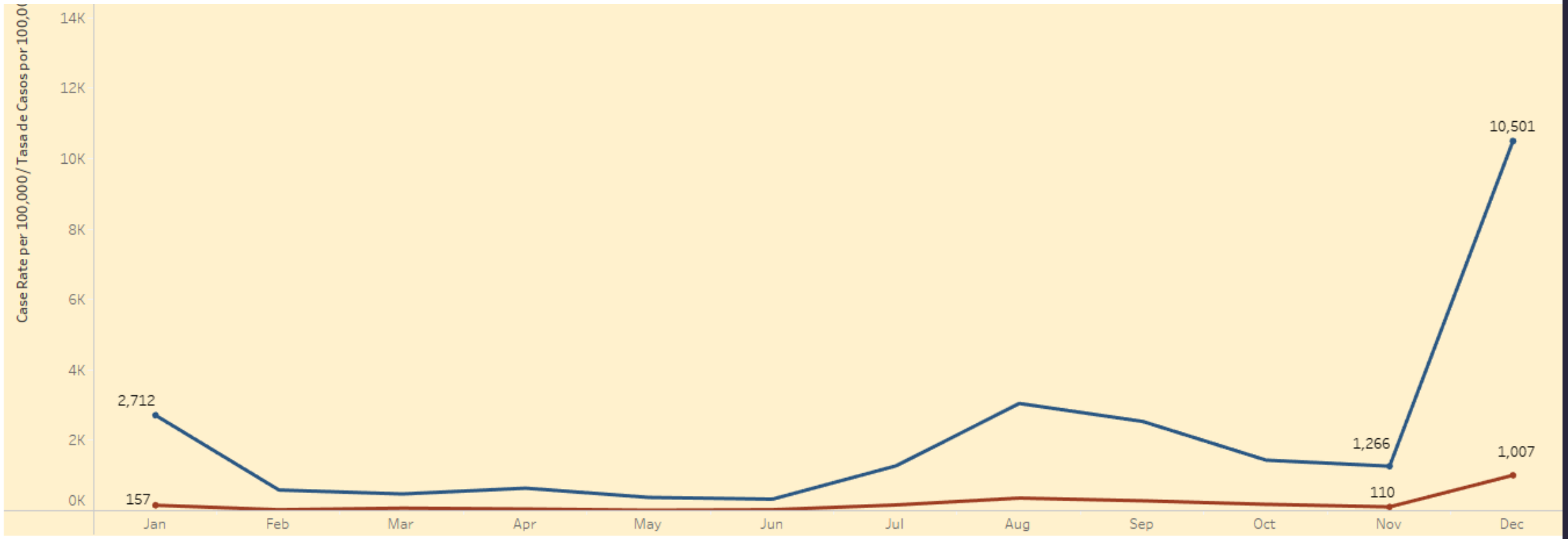
People who are not fully vaccinated are:

97%

More likely to die of COVID-19

The Trend of Weekly New-Case Rates Between Vaccinated and Unvaccinated (12+ Population)

The Most Recent Weekly New-Case rate in unvaccinated is ~10 times higher than vaccinated.



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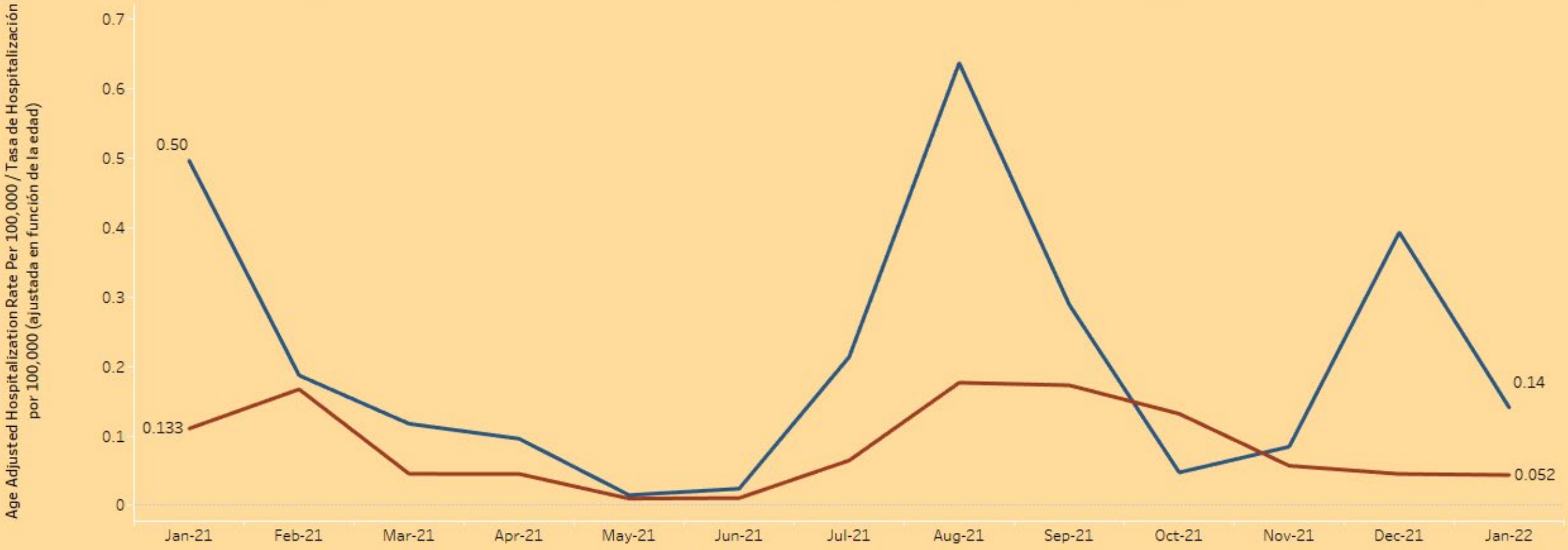
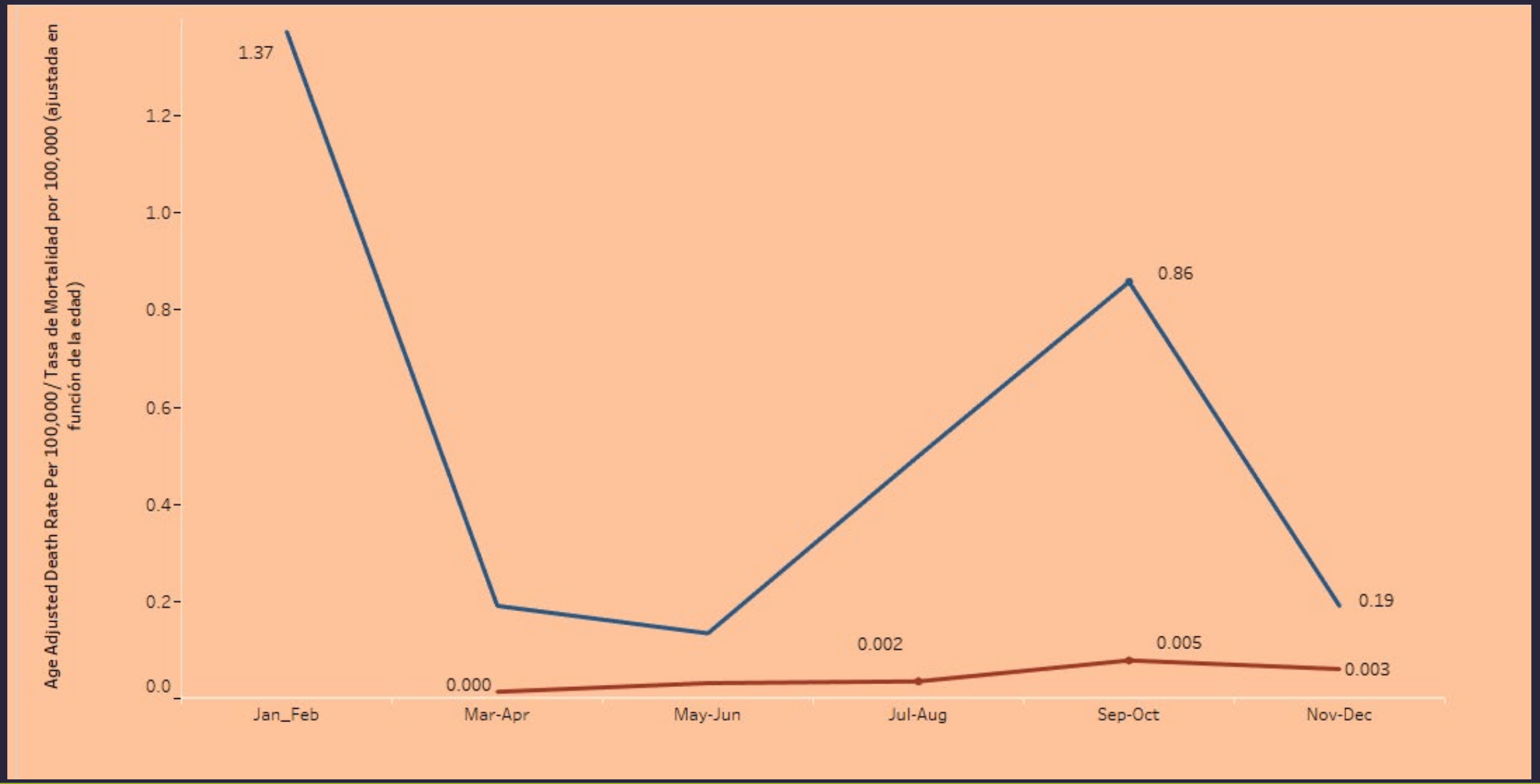
Hospitalization Rate of COVID-19 Among Unvaccinated and Fully-Vaccinated by Month (adjusted for age)

Tasa de Hospitalización de COVID-19 Entre No Vacunados y Completamente Vacunaods por Mes (ajustada en función de la edad)



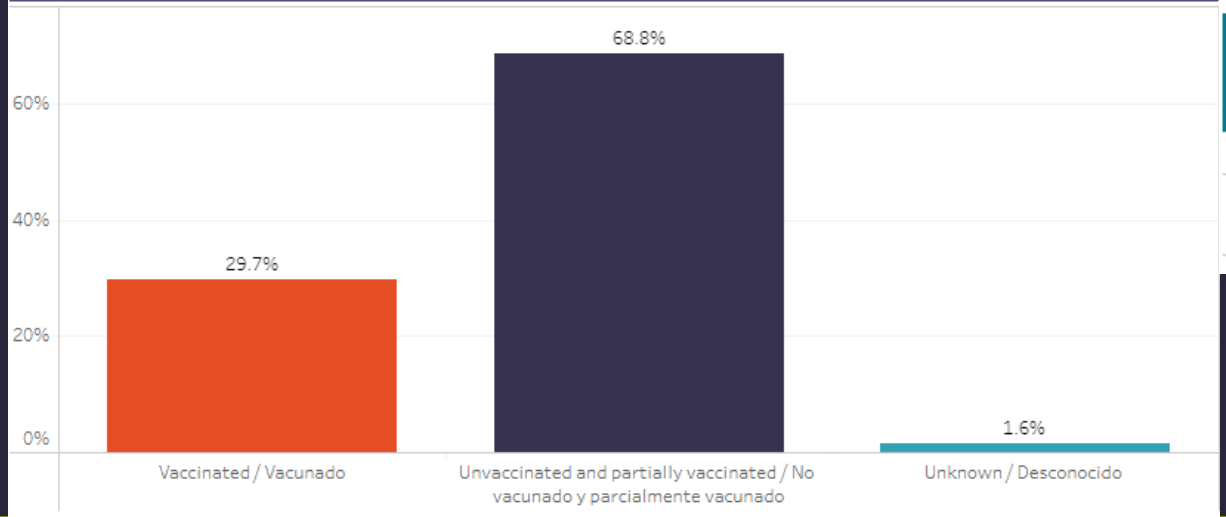

Age Adjusted Death Rate Per 100,000 / Tasa de Mortalidad por 100,000 (ajustada en función de la edad)
1.37
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.86
0.19
0.002
0.005
0.000
0.003
Jan_Feb
Mar-Apr
May-Jun
Jul-Aug
Sep-Oct
Nov-Dec

COVID-19 HOSPITALIZATIONS & DEATHS BY VACCINATION STATUS

Vaccination status of hospitalized cases/*Estado de vacunación de casos hospitalizados*

Vaccinated / Vacunado	14.8%
Unvaccinated and partially vaccinated / No vacunado y parcialmente vacunado	84.7%
Unknown / Desconocido	0.5%

Vaccination status of cases in ICU/*Estado de vacunación de casos en la UCI*



Average Age hospitalized / *Edad Promedio hospitalizado*

Unvaccinated and partially vaccinated / No vac..	Vaccinated / Vacunado
61	74

Average age at death according to vaccination status /*Edad media en el momento de la muerte según el estado de vacunación*

Unvaccinated/ No Vacunado	Vaccinated / Vacunado
75	82

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OUTBREAKS

Current Outbreaks/*Brotes actuales*

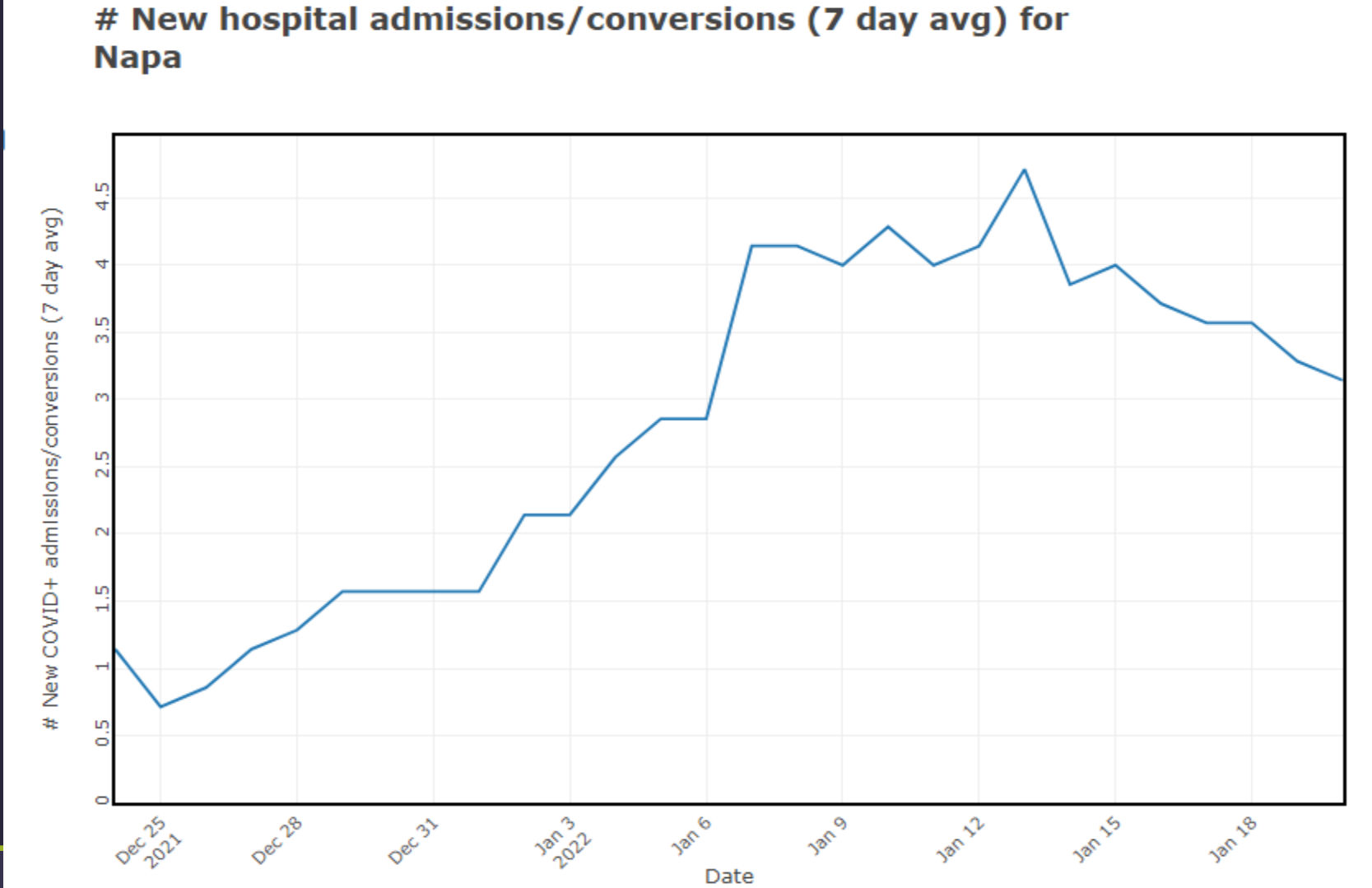
	Closed	Open	Grand Total
Congregate setting/ Entorno de vivienda agrupada	50	22	72
Workplace/ Entorno laboral	122	22	144

Data Source: Napa County Public Health

Last updated/*Última actualización:* 1/21/2022

	School Exposures/ Exposiciones en las escuelas	School Outbreaks/ Brotes escolares
1/21/2022	65	7

NEW HOSPITAL ADMISSIONS



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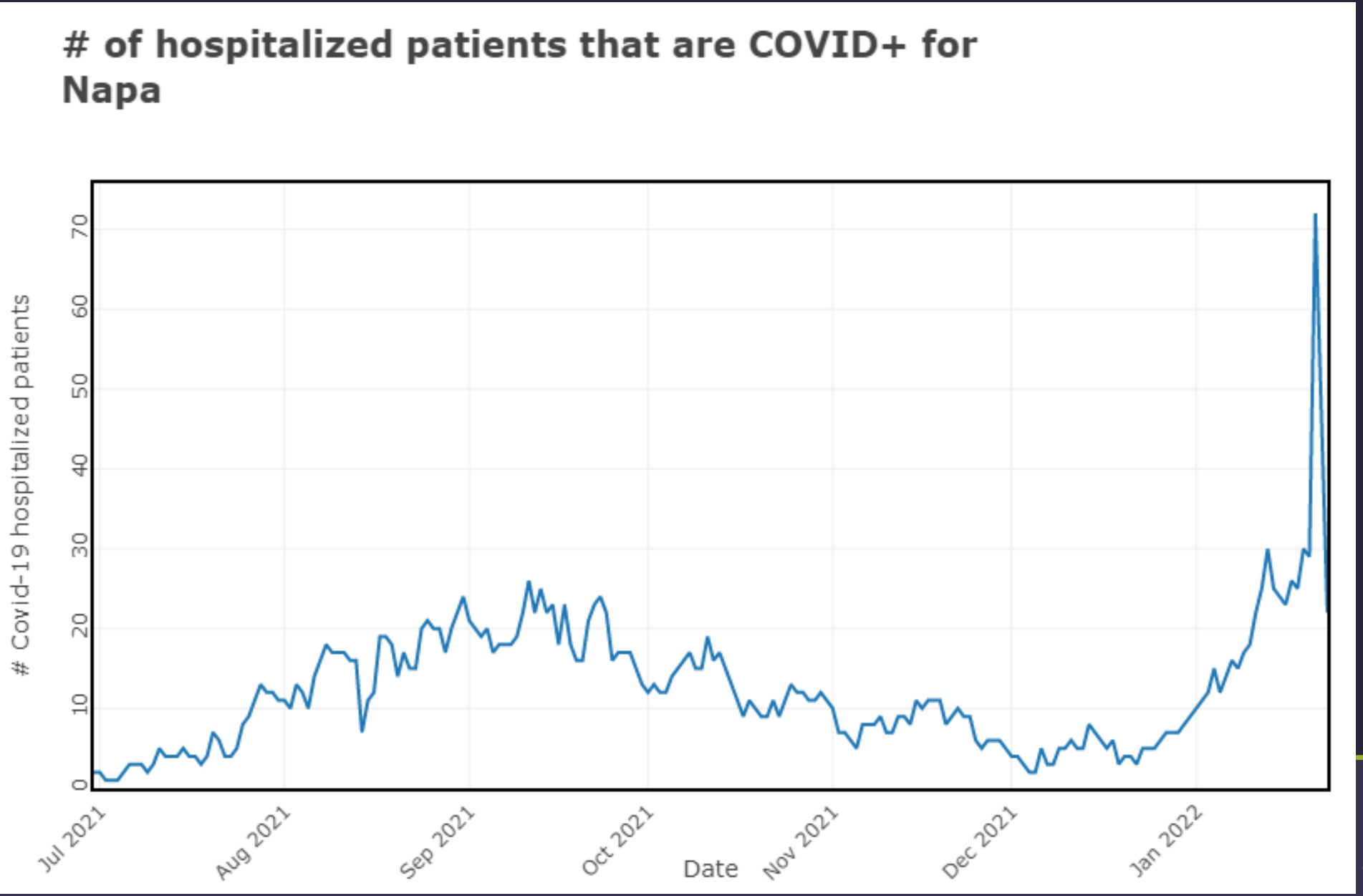
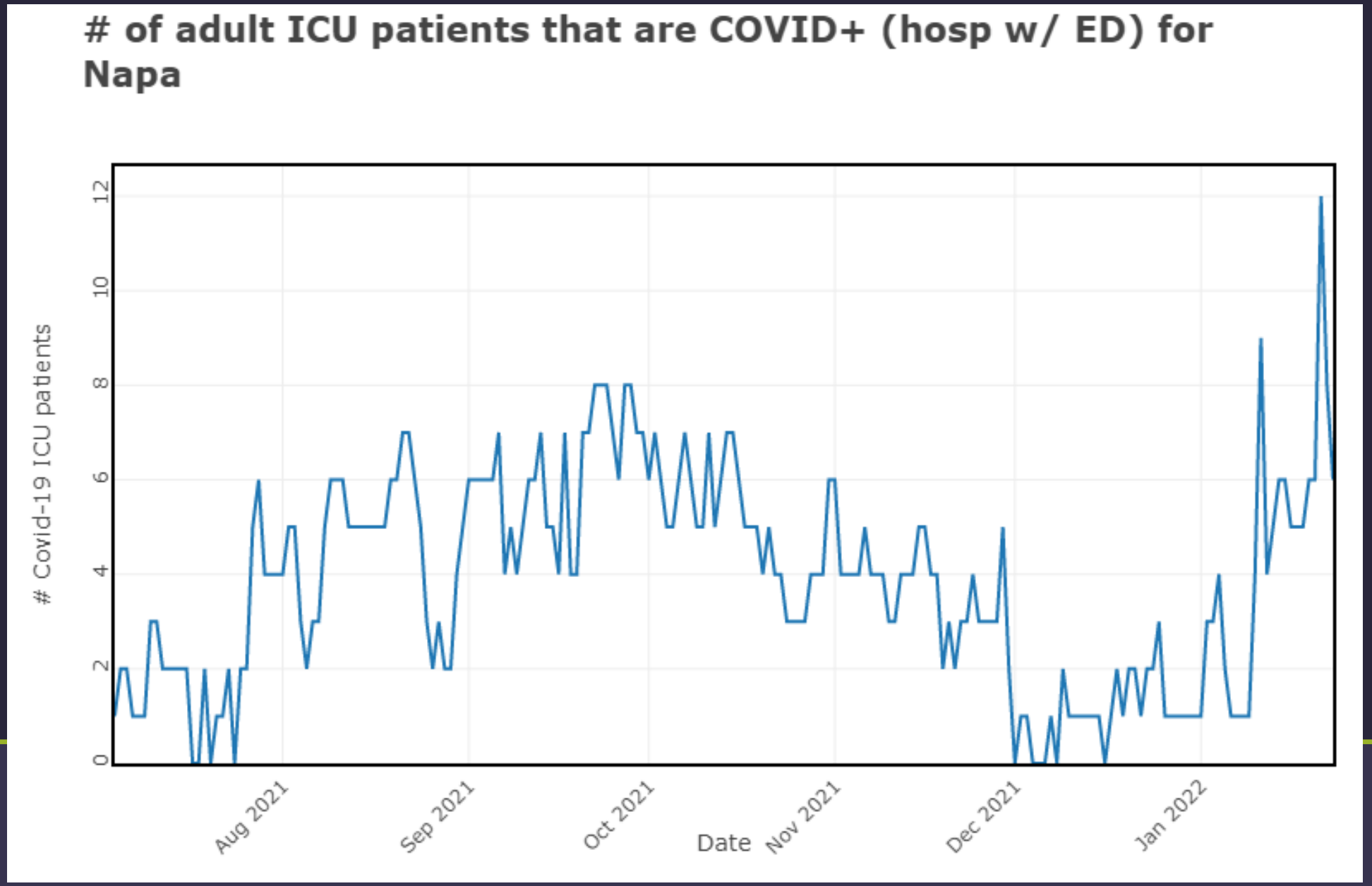
HOSPITALIZED PATIENTS THAT ARE COVID+

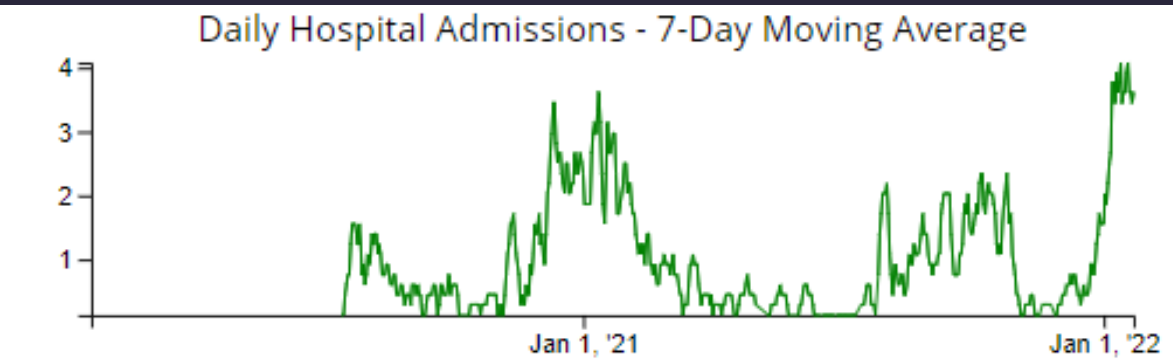


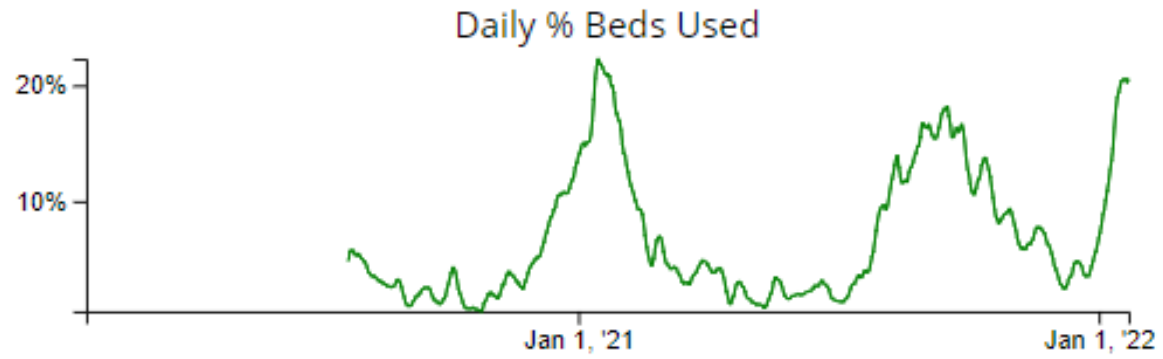
ADULT ICU PATIENTS THAT ARE COVID+

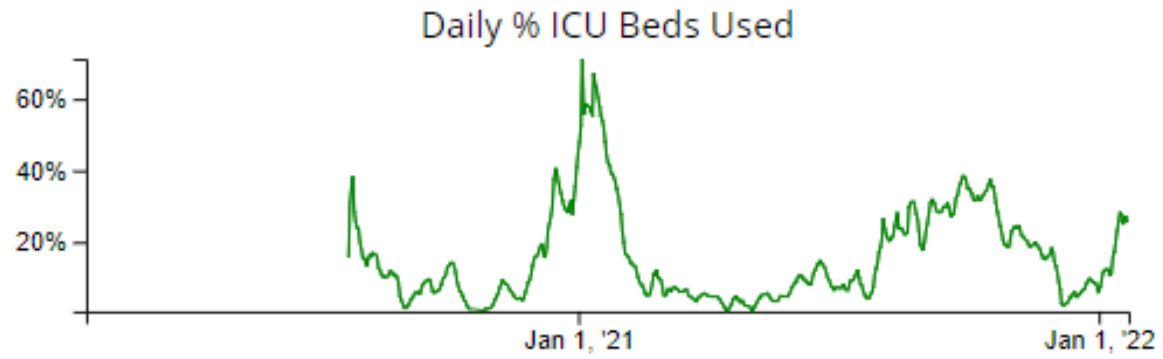


HOSPITAL UTILIZATION: CDC

New Admissions (last 7 days)	23
Rate of New Admissions per 100 beds (last 7 days)	16.79
Rate of New Admissions per 100k people (last 7 days)	16.7
% Change (last 7 days)	0.00
% Beds Used (last 7 days)	18.67
% Change (last 7 days)	1.02
% ICU Beds Used (last 7 days)	23.45
% Change (last 7 days)	0







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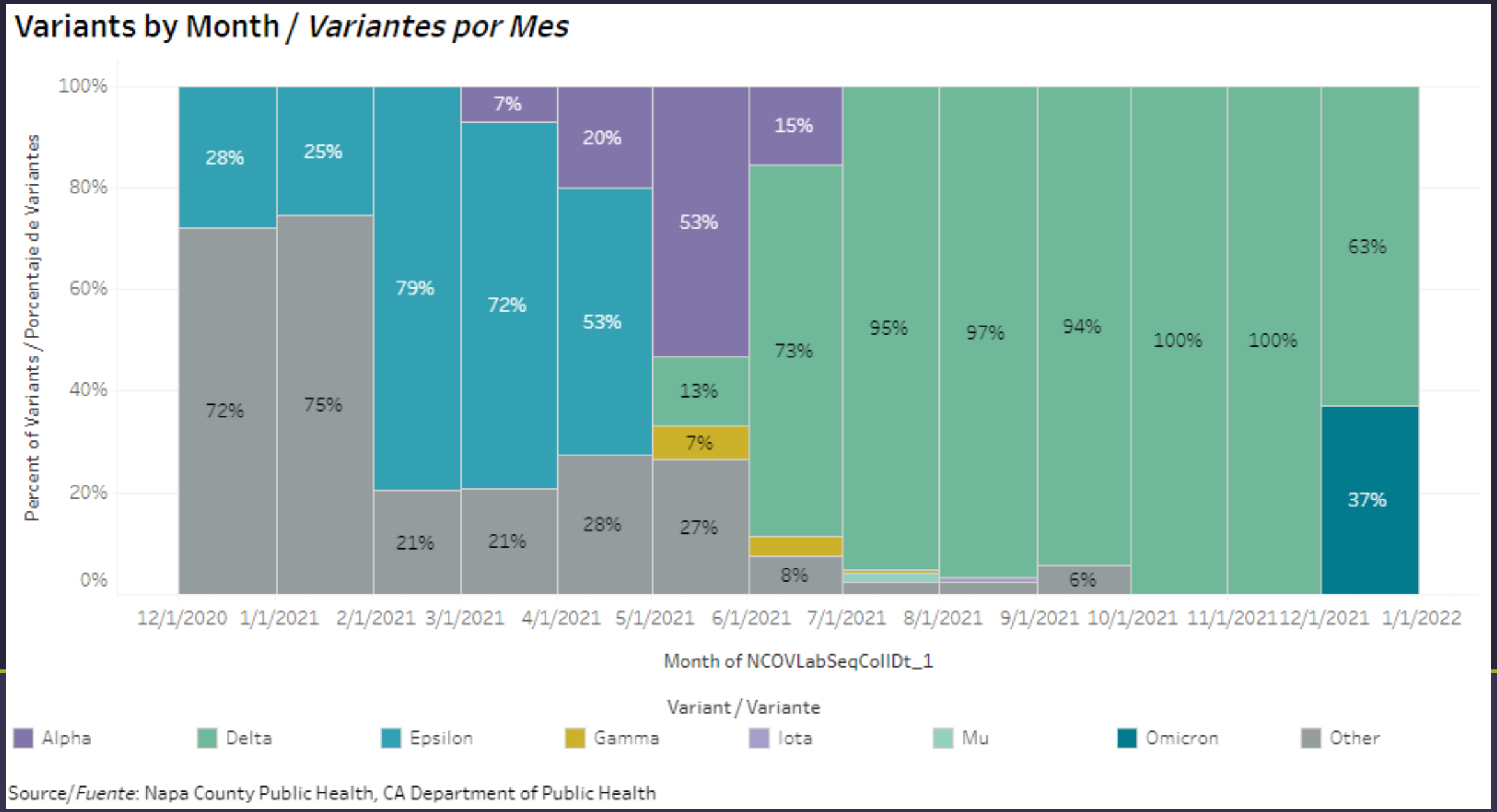
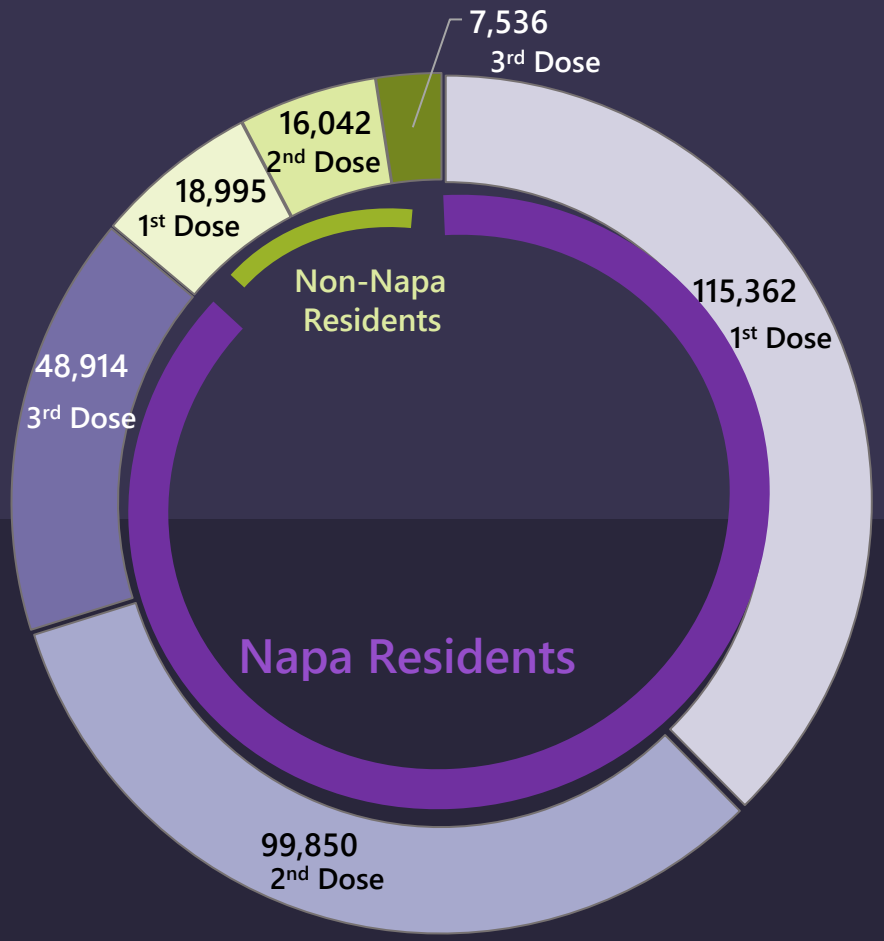
VARIANTS IN NAPA COUNTY



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

DOSES ADMINISTERED TO RESIDENTS & NON-RESIDENTS



As of 1/24/2022

Total Doses Administered in Napa County = 305,757
(+3,737 since last week)

Total Doses Administered to Napa Residents = 264,539
(+3,360 since last week)

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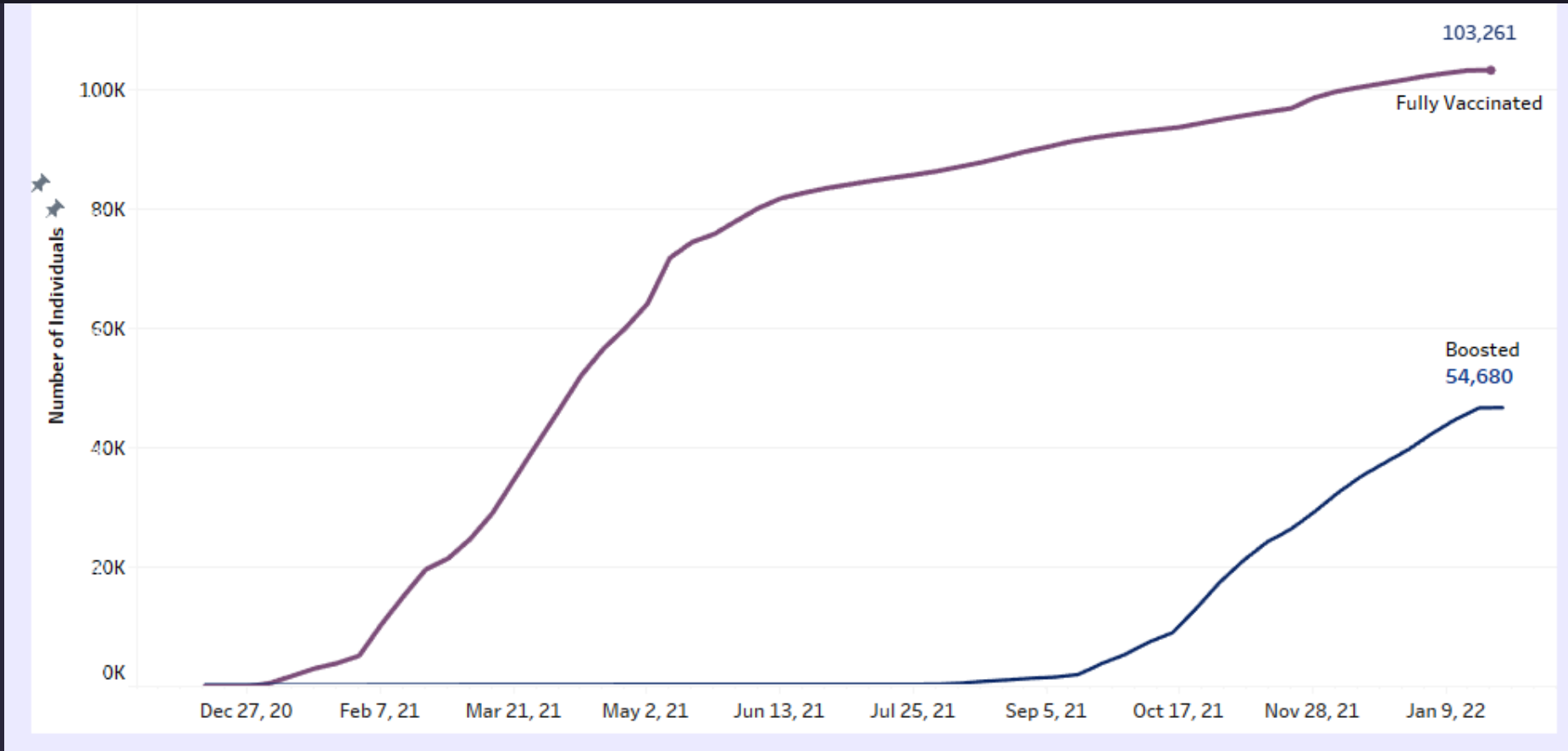
88 % of eligible Napa County residents partially vaccinated.

79 % of eligible Napa County residents are fully vaccinated.

74.1 % of ALL Napa County residents are fully vaccinated.

54 % of all eligible Napa County residents are boosted.



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As reported 1/24/2022

MITIGATION OF HEALTHCARE IMPACTS

- Higher hospital census, less staffing, inability to discharge stable COVID positive patients to SNF/LTCF due to staffing and outbreaks
- CDPH Licensing AFL 21-08 (ca.gov) allows infected healthcare workers without symptoms to work without isolation and testing until Feb 1.
- State Health orders requiring healthcare workers to be boosted by Feb 1, 2022
  - Healthcare Worker Booster Requirement
  - Adult Care Facilities and Direct Care Worker Vaccine Requirement
  - State and Local Correctional Facilities and Detention Centers Health Care Worker Vaccination Requirement
- Statewide Indoor Masking Order extended to February 15

TREATMENT OPTIONS FOR OMICRON VARIANT TO PREVENT HOSPITALIZATIONS

Available treatments

- Monoclonal antibodies
  - Sotrovimab
- Antivirals
  - Paxlovid (pills)
  - Molnupiravir (pills)
  - Remdesivir (IV)
  - Molnupiravir (pills)

Order of treatment

- Treatment in descending order
  - Sotrovimab
  - Paxlovid
  - Remdesivir
  - Molnupiravir
- Using more than one drug simultaneously not recommended according to FDA EUA guidelines

TREATMENT ELIGIBILITY

- Treatments available for Omicron are in scarce supply
- Patients meeting the below criteria may be eligible for treatment:
  - Patients who are symptomatic with mild to moderate COVID-19 AND
  - Have positive results of direct SARS-CoV-2 viral testing AND
  - Are at high risk for progressing to severe COVID-19 and/or hospitalization

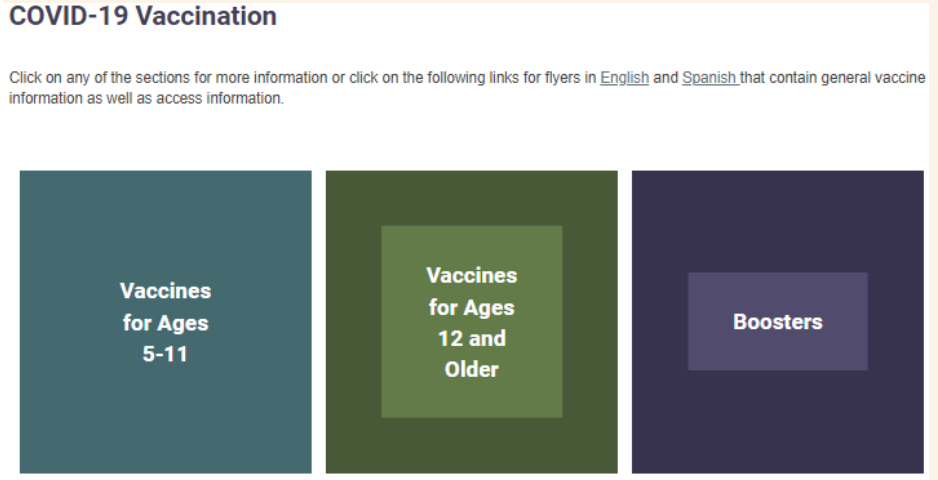
--PLUS--

- When supplies are limited, *prioritizing high-risk patients with moderate illness in the following order*:
  - Immunocompromised or on immunosuppressive medications
  - Incompletely vaccinated AND > 65 years of age with risk factors for severe disease
  - > 65 years of age with risk factors for severe disease

BOOSTER ELIGIBILITY

VACCINE CALENDAR*

- Recommended for everyone 12 and older.
- Eligibility requirements:
  - 5 months have passed since second dose of Moderna (18+)
  - 5 months have passed since second dose of Pfizer (12+)
  - 2 months have passed since Johnson & Johnson dose (18+)



TESTING DEMAND EXCEEDS SUPPLY

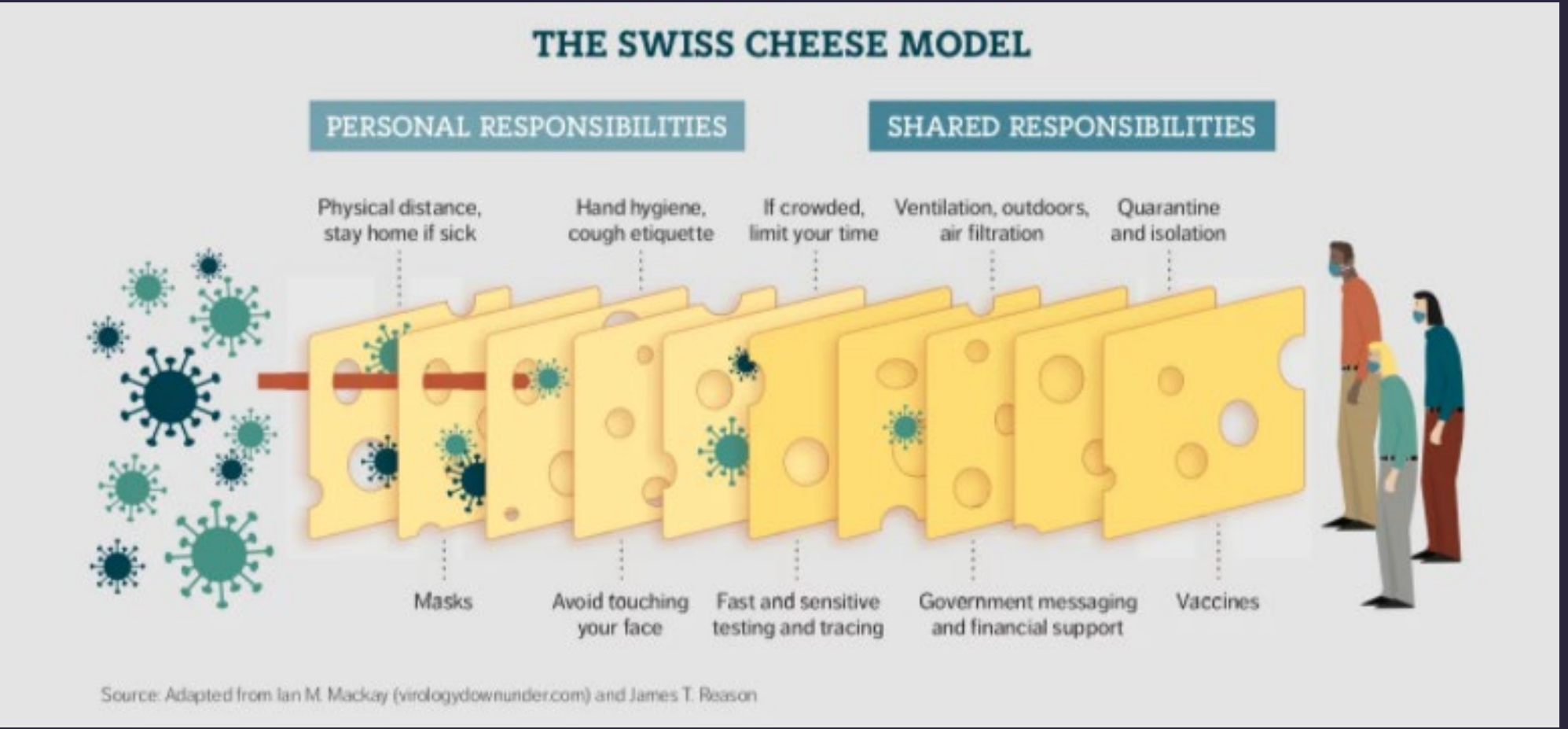
- Multiple test sites across the county, operated by outside vendors and healthcare systems still have longer wait times for testing and results
- State-contracted testing site has increased lanes and operating hours, but staffing shortages has decreased capacity with short notice
- Four antigen home tests per household are being offered for free by the Federal government: https://www.covidtests.gov/
- CLIA-waived antigen tests are being passed through from CDPH for healthcare entities, visitors of DSS-licensed facilities using a health equity framework

WHAT IS THE FUTURE?

PREPARING TO TRANSITION FROM PANDEMIC TO ENDEMIC

- Case reporting may transition to reporting hospitalizations, deaths and outbreaks
- Increased availability of home tests with goal of reducing transmission
- Increasing supply of therapeutics
- Increasing vaccination/boosting rates
- Encouraging a layered approach for protection against COVID-19

LAYERED COVID PREVENTION



Each layer has imperfections and multiple layers improve success

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COVID-19 TOOLBOX

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