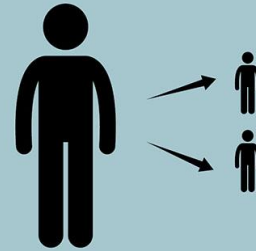
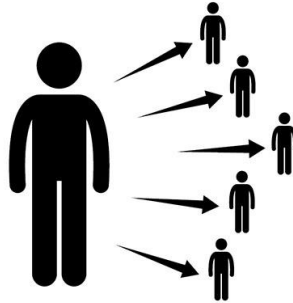



Delta Variant Update: Hawaii Data

Curtis Toma, MD
Med-Quest Medical Director
August 7, 2021

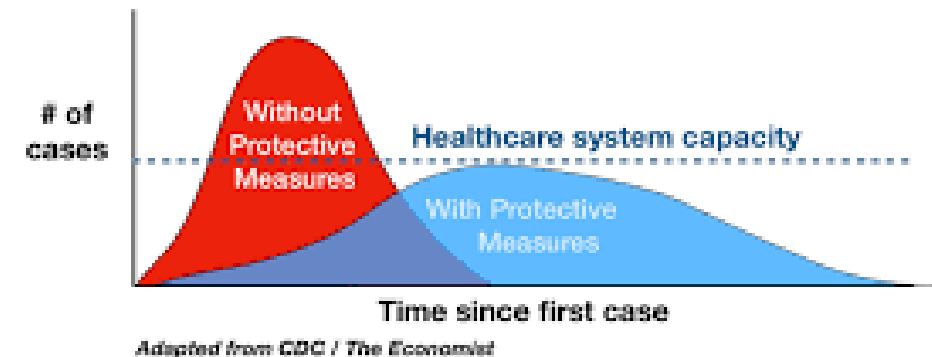
The Delta variant is more contagious than previous strains—it may cause more than **2x as many infections**

ORIGINAL COVID-19 STRAIN	DELTA VARIANT
	

Vaccines protect you from hospitalization, severe infections, and death

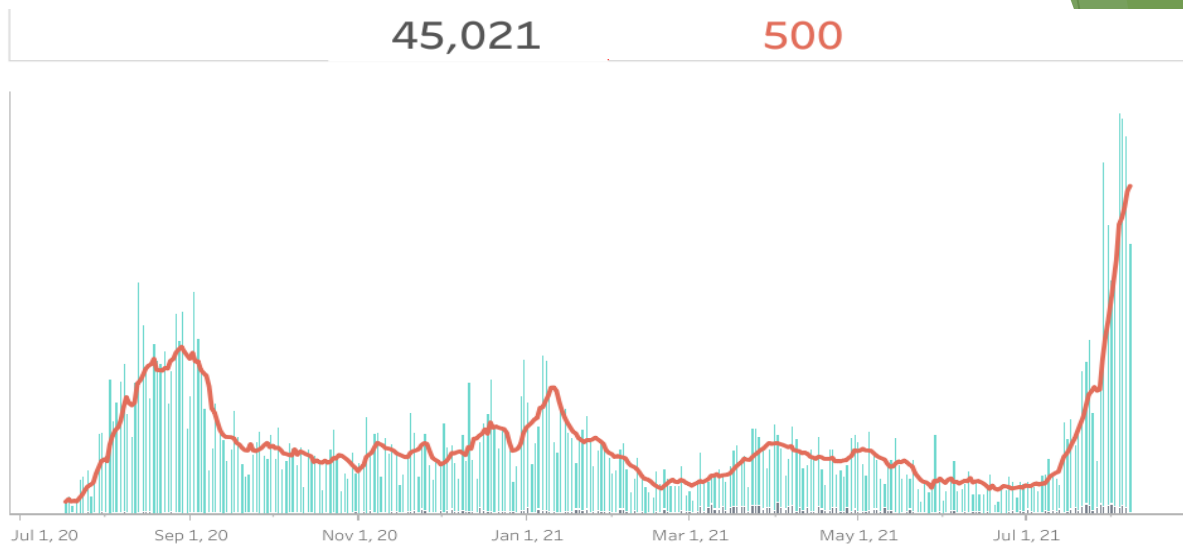
 cdc.gov/coronavirus

CS 322041-AA 08/02/2021



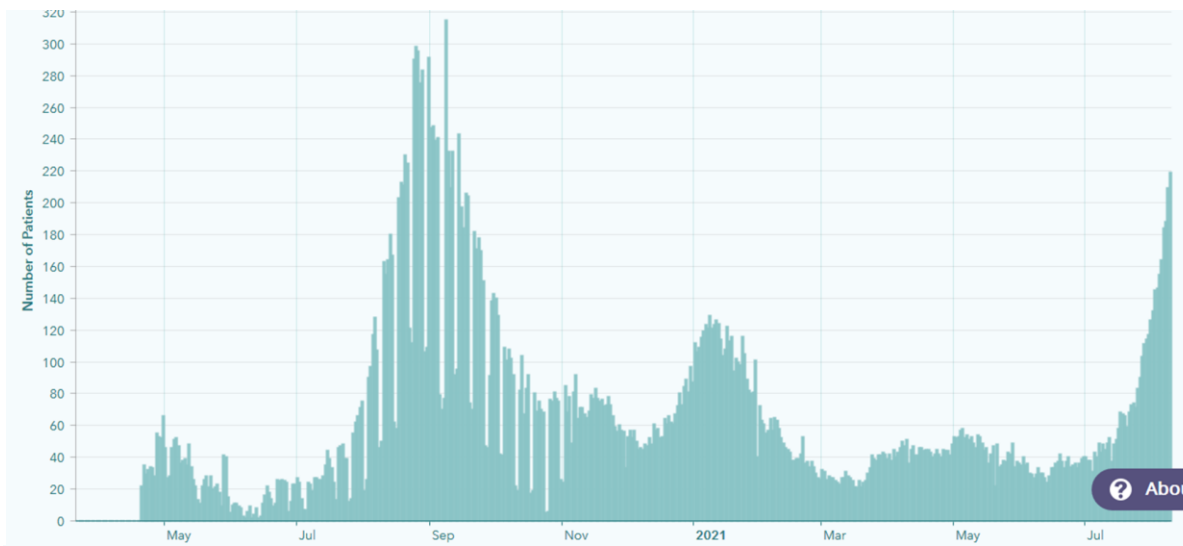
Case Surge

2021: ~ 3x or more than 2020



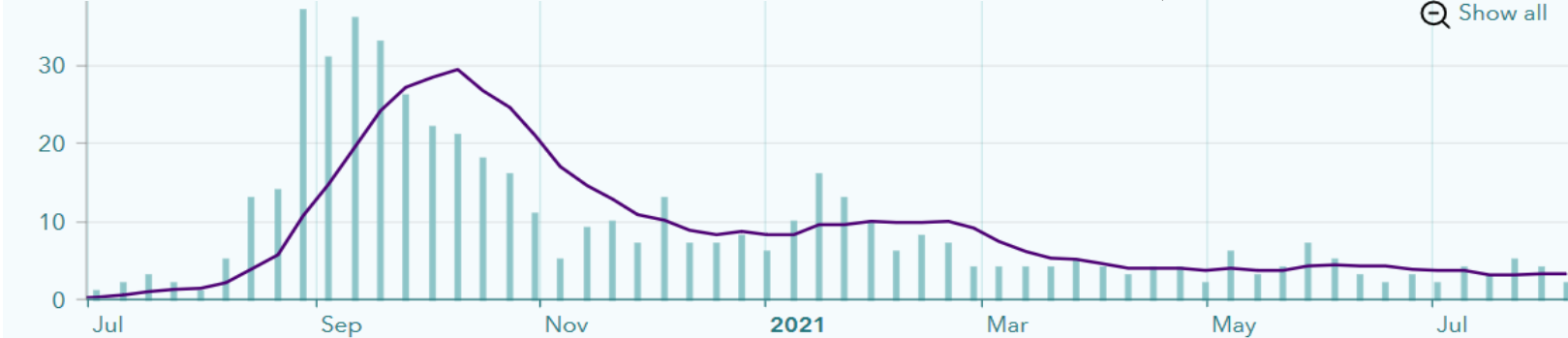
Hospital Surge

2021: ~ 1-1.5x 2020



Mortality

2021: ~ < 2020

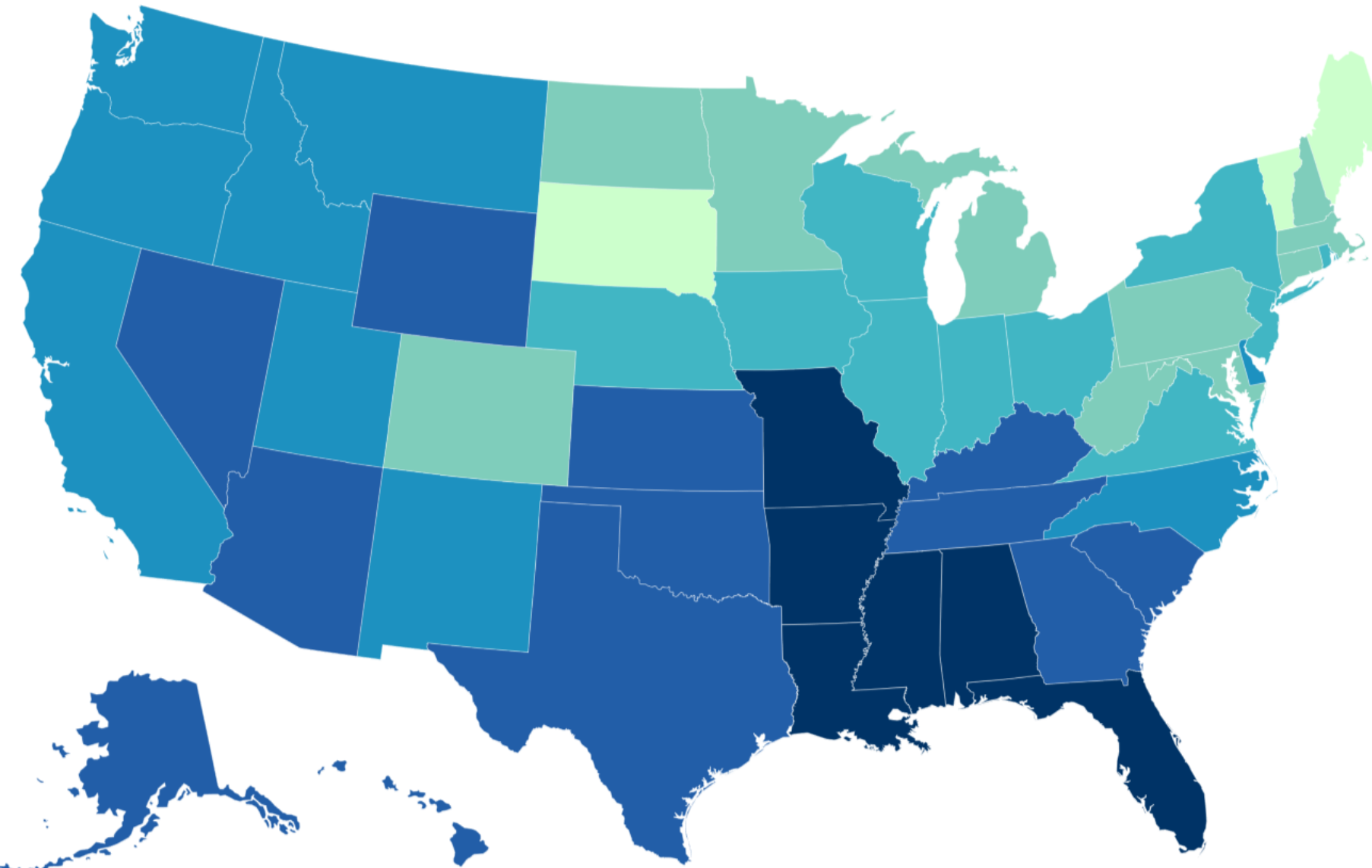


Hawaii Covid Surge: Aug 2021 vs Aug 2020

- Case Surge** = 2021 curve much higher/wider than 2020
2021 = Oahu + BI + Maui
2020 = Limited to Oahu
- Hospital Surge** = 2021 fast approaching 2020
2021 likely higher than 2020 but to much less extent than cases
2021 = Oahu + BI + Maui, 2020 Surge = Oahu
2021 = Middle Age > Elderly, 2020 = Elderly > Middle Age
- Mortality** = 2021 Mortality likely much lower than 2020 mortality
- Resources** = 2021 much more resources than 2020
PPE, Treatment, Rx, Clinical knowledge, Vaccine 12/2020

CDC: Cases per capita past 7 days (8/10/2020)

US COVID-19 7-Day Case Rate per 100,000, by State/Territory



All

Hawaii

Honolulu

Kauai

Maui

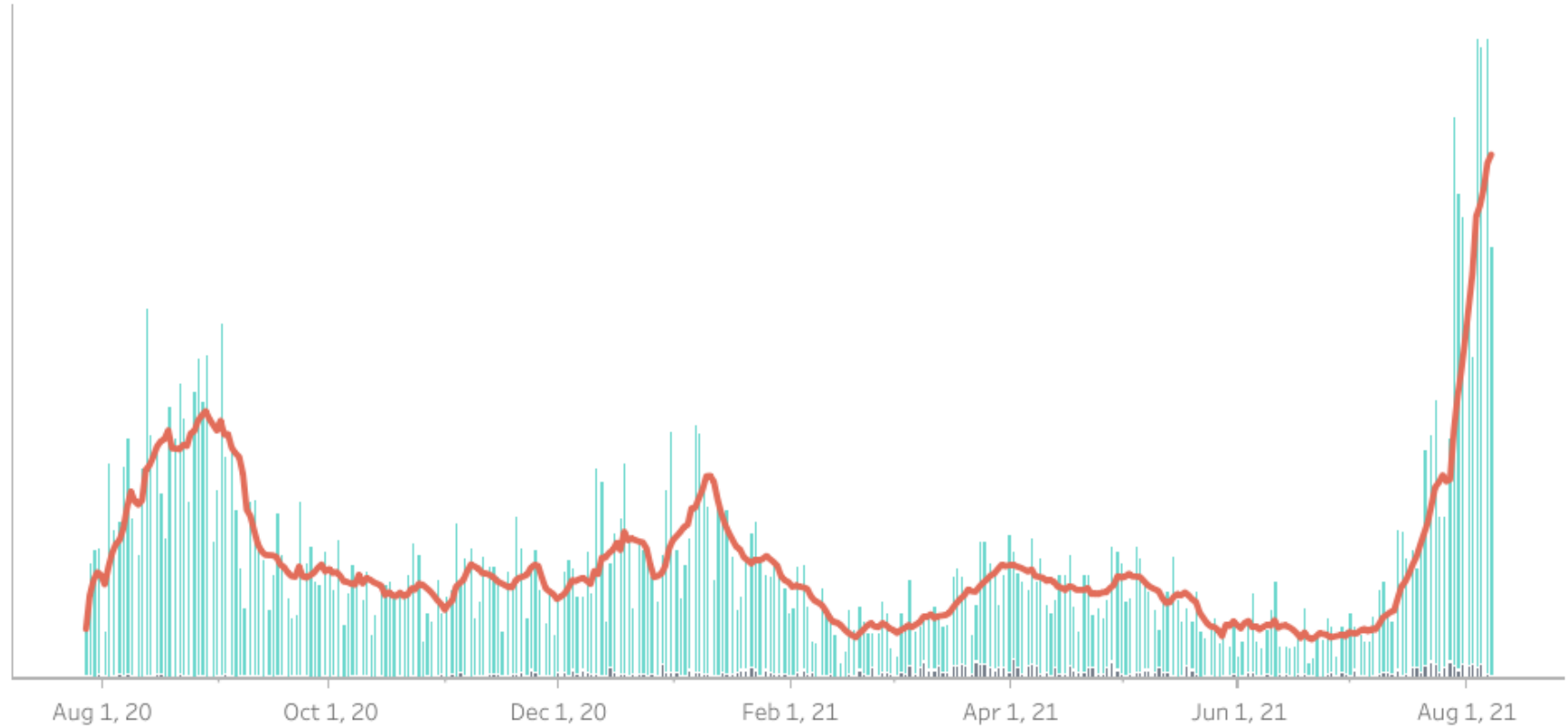
LEGEND

- 7-day Avg
- Confirmed
- Probable

**Includes all cases diagnosed in the state (residents, non-residents, and military); Excludes residents diagnosed out-of-state; Includes both confirmed and probable cases; Chart excludes 551 probable cases with missing date information*

45,021

500



Covid Cases by Island per capita (DOH 8/8/21)

	Rate/100K		% Positive	Rank
	7/8	8/8	8/8	8/8
State	3	-> 35	7.3 %	
BI	3	-> 45	8.0 %	Highest Rate
Oahu**	3	-> 36	8.0 %	2 nd
Maui	3	-> 31	5.7 %	3 rd
Kauai	6	-> 16	4.3 %	Lowest

* Rate uses the 7 day average adjusted for island population

** Rate higher for pockets of Oahu such as Leeward Coast and correlation with low vaccination areas.

Covid Cases

7

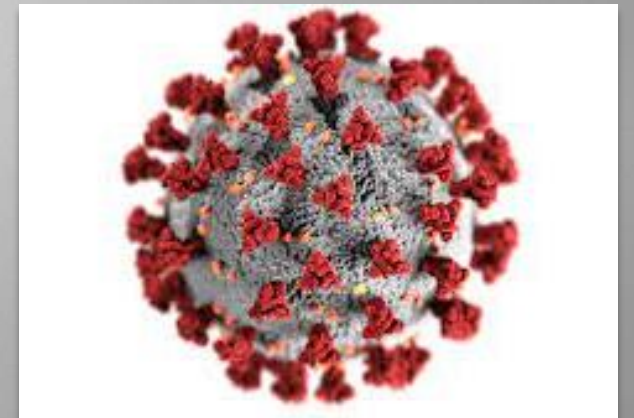
Anticipate Covid Case Surge, Prepare

“Don’t Fear Covid, But Respect It”

All surges by definition have an end point

Case vs Hospitalizations vs Mortality
Mortality Data Perspectives

We shall overcome

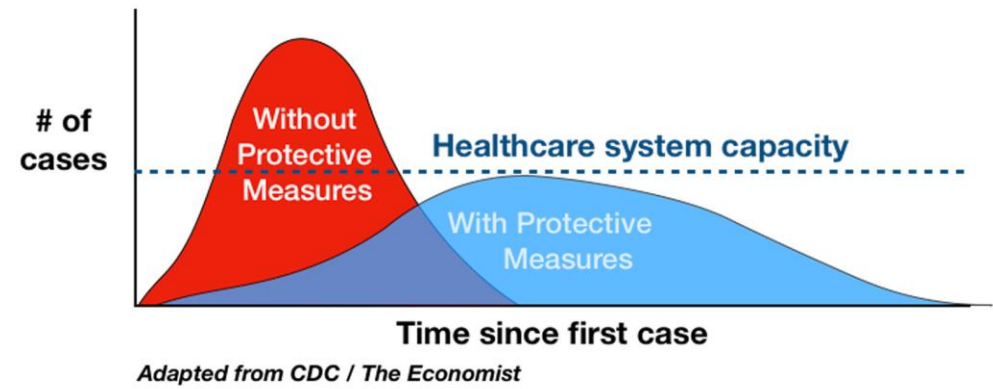




Hawaii Covid Hospitalizations (Statewide)

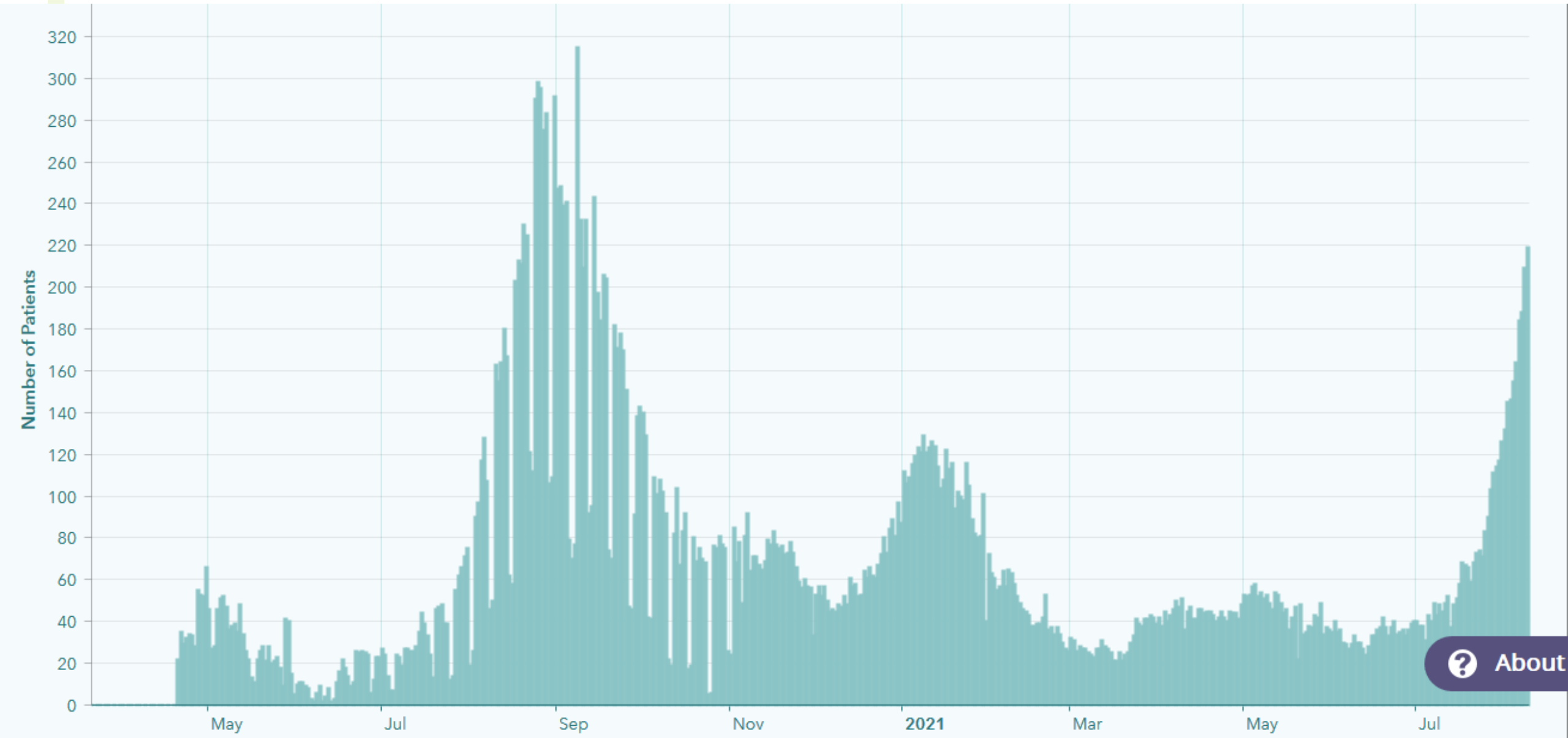
Aug	2020	Larger Peak 250-300
Oct-Dec	2020	Low
Jan	2021	Smaller Peak 100-120
Feb – 7/24	2021	Very Low > Low
7/25 → 7/31/21	80's > 120's	(Increase 40/wk)
8/1 → 8/7/21	130's > 180's	(Increase 50/wk)
8/8 ->	209 > 241 (8/10)	(Increase ? /wk)

Aug 2021 Covid hosp fast approaching Aug 2020 peak
Hospital admissions lag about one week behind case increase

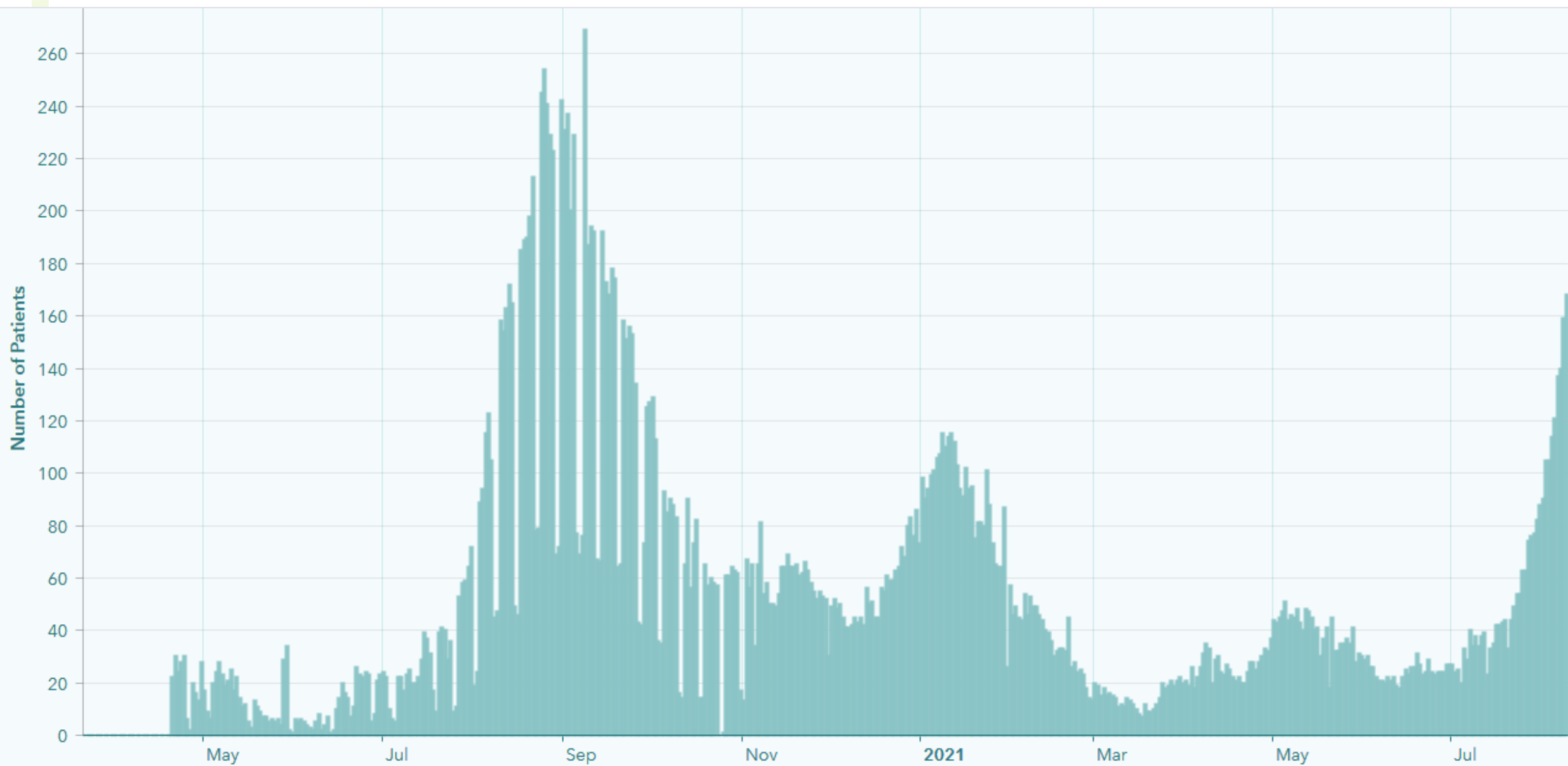


Hawaii State Covid Hospitalizations (Statewide)

Aug 2021 peak approaching Aug 2020 peak



Oahu Covid Hospitalizations

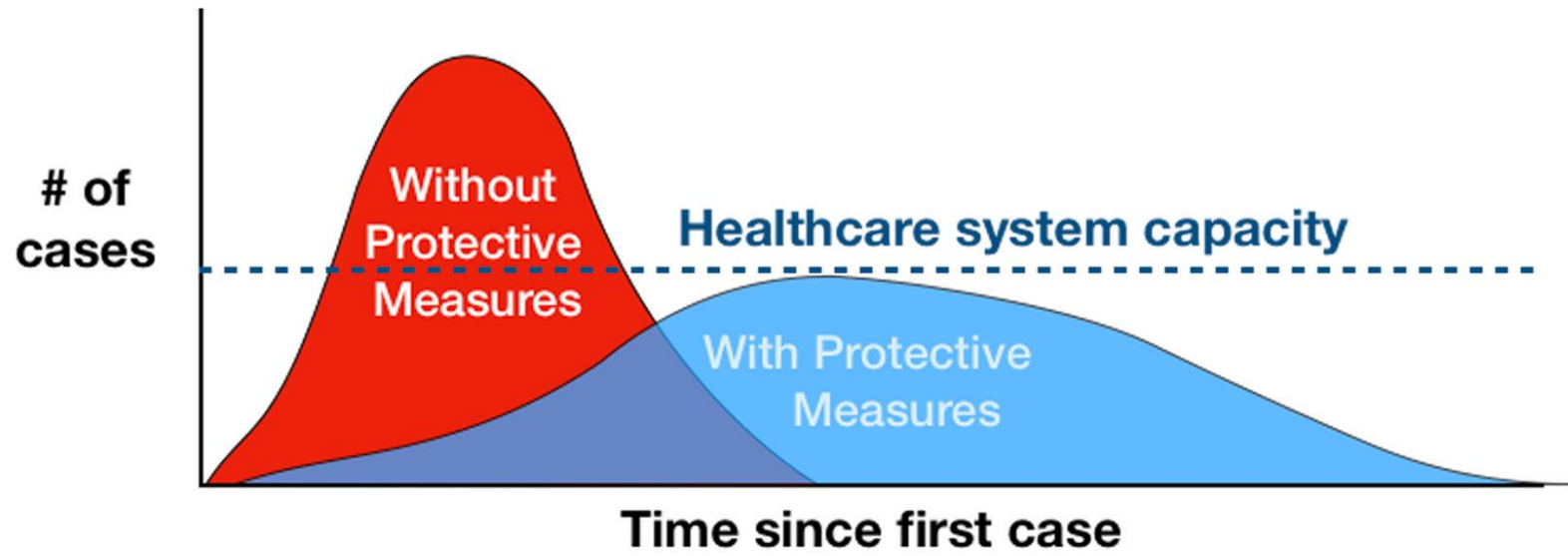


Hawaii Covid Hospitalizations (Statewide)

- Hospital surge is wider (last longer) than case surge
- 2020 Hospital peak predominantly Oahu and predominantly elderly
- 2021 Hospital peak more widespread, Oahu + NI (BI and Maui), more middle age
 - But 2021 mortality likely will be lower than 2020 (more middle age cases)
- Aug 2021 hospital peak fast approaching Aug 2020 peak, likely reach before end of week
- Hospital Admissions surge: Lags ~ 1 week behind Covid case surge

Hawaii Covid Hospitalizations (Data) as of 8/6/21

- Oahu = 75% Covid Inpt , HI = 25% Covid Inpt
- Covid Inpatient as % all Inpatients (% of inpts with Covid)
 - State = 10%, Oahu = 11 %, HI = 13 %, Maui = 11%
 - % lower at KMCWC, Tripler, Kahi Mohala, HSH
- QMC-P most cases with 50% Oahu and 33 % state
- Most hosp average ~ 10%, higher at QMC = 14 %

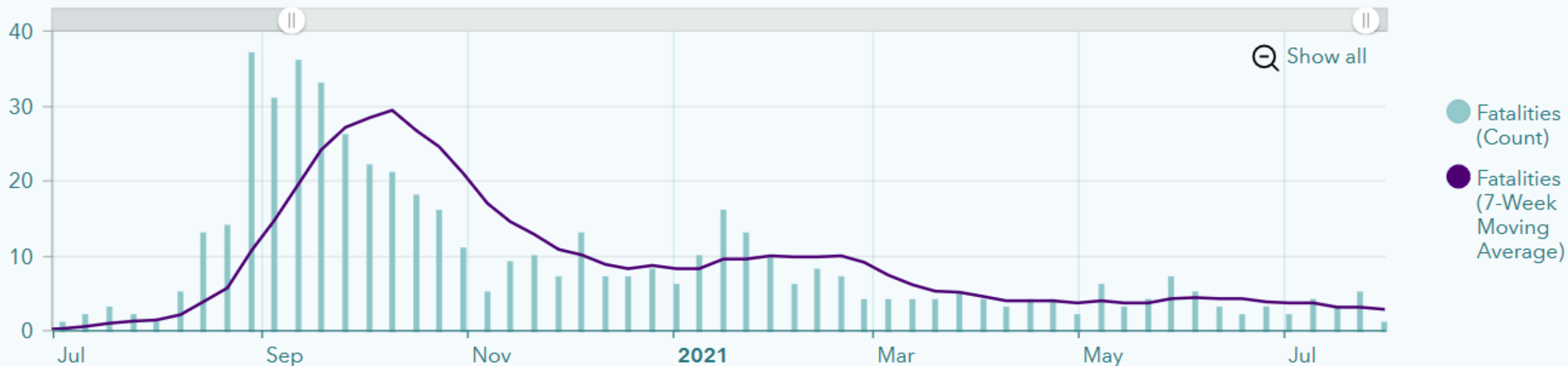


Adapted from CDC / The Economist

Hawaii Weekly Mortality from Covid (8-6-2021)

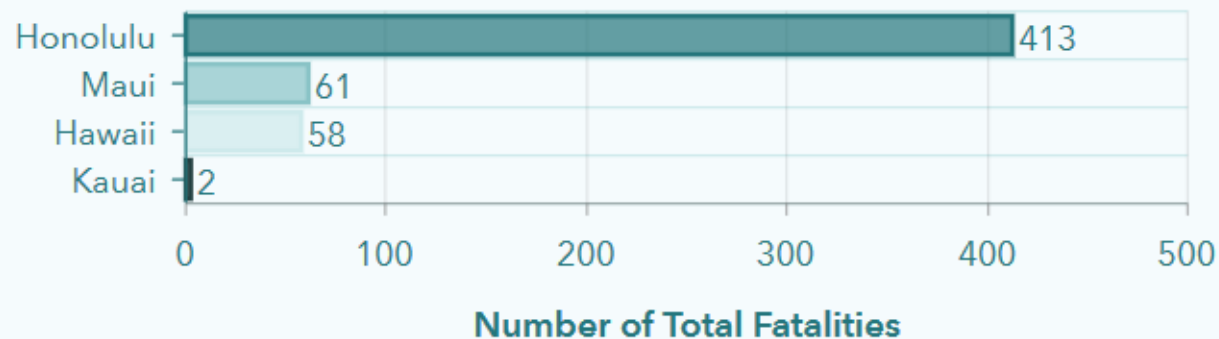
Fatalities

(new per week)



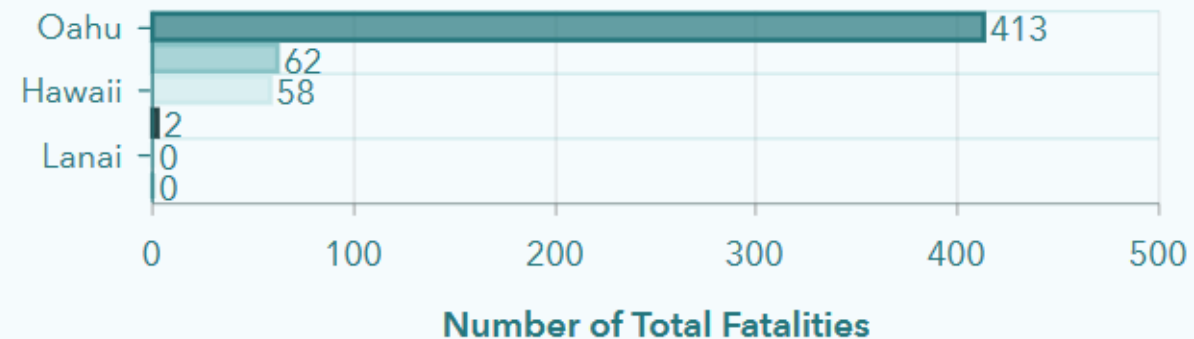
Fatalities by County

(cumulative)



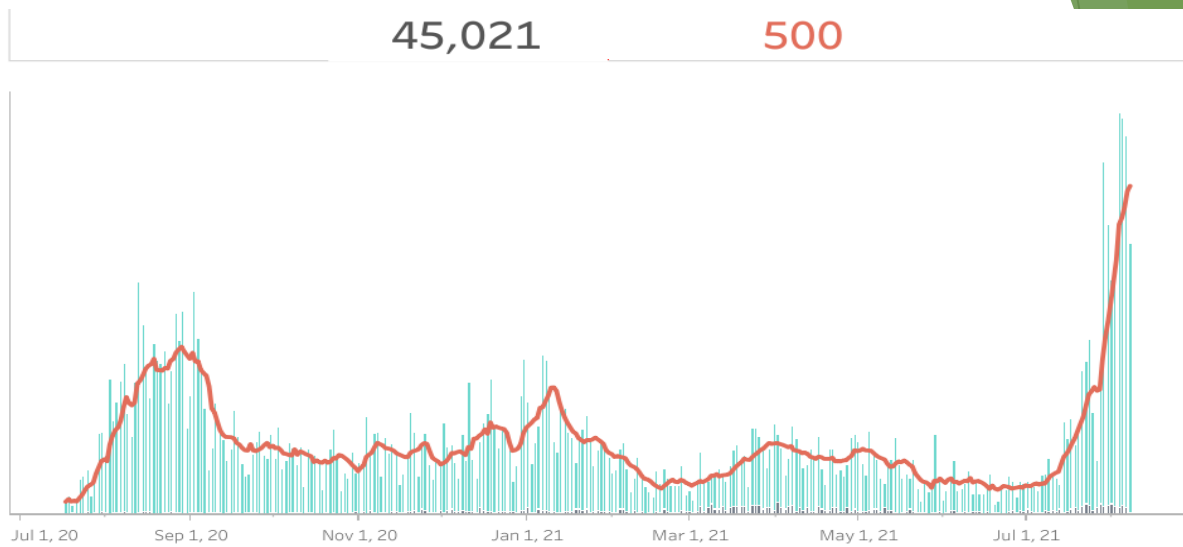
Fatalities by Island

(cumulative)



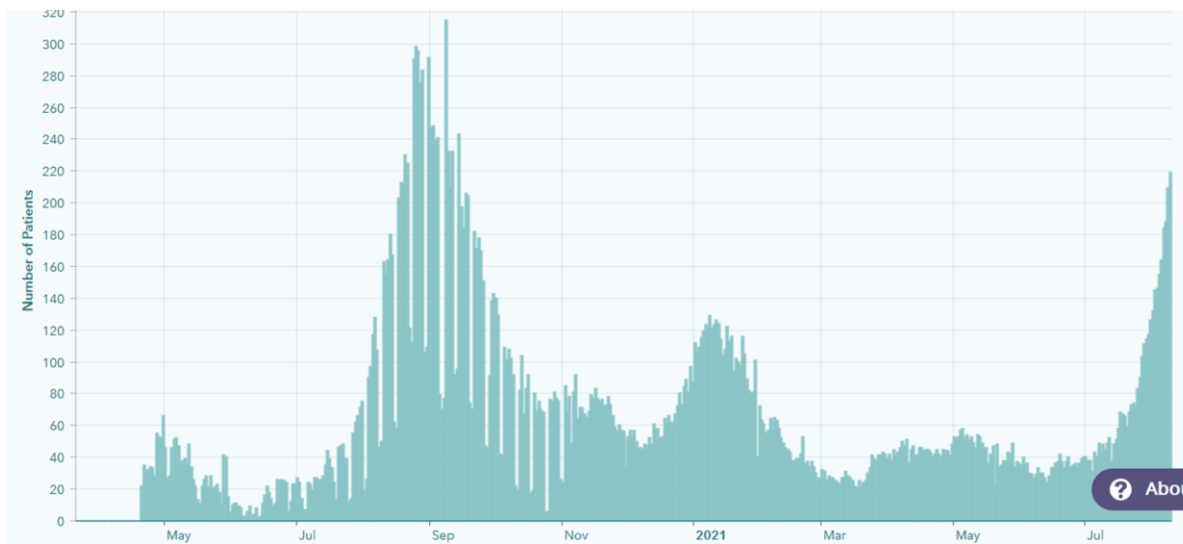
Case Surge

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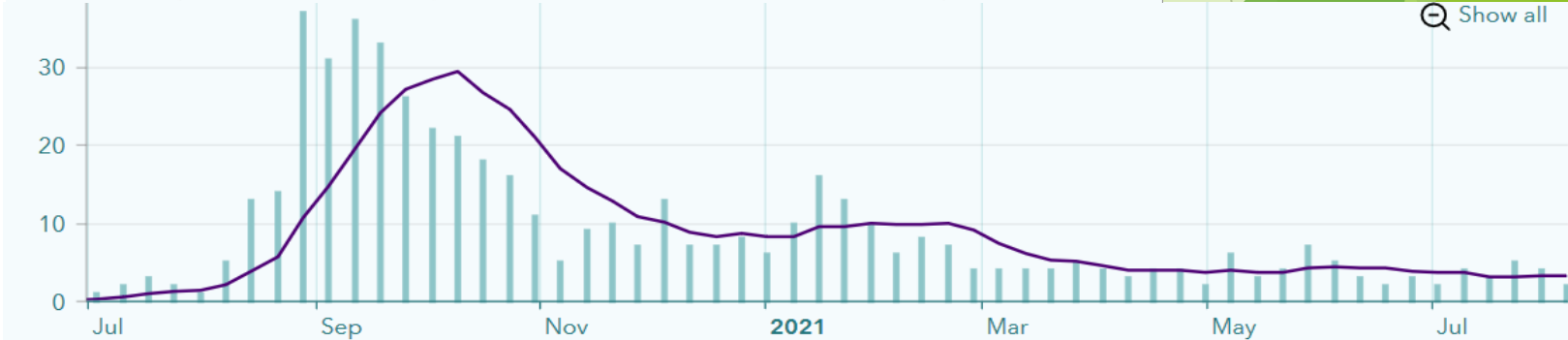
Hospital Surge

2021: ~ 1-1.5x 2020



Mortality

2021: ~ < 2020



Delta Surge: What can we do

Primary Goals

1) Address Surge Capacity Issues

Support decompress hospitals esp discharges

PCP's (esp peds), FQHC' also will be overwhelmed

2) Encourage Covid vaccination

silver lining, recent uptick in vaccines

Other Goals

Obtain more info on contact tracing to share, covid precautions

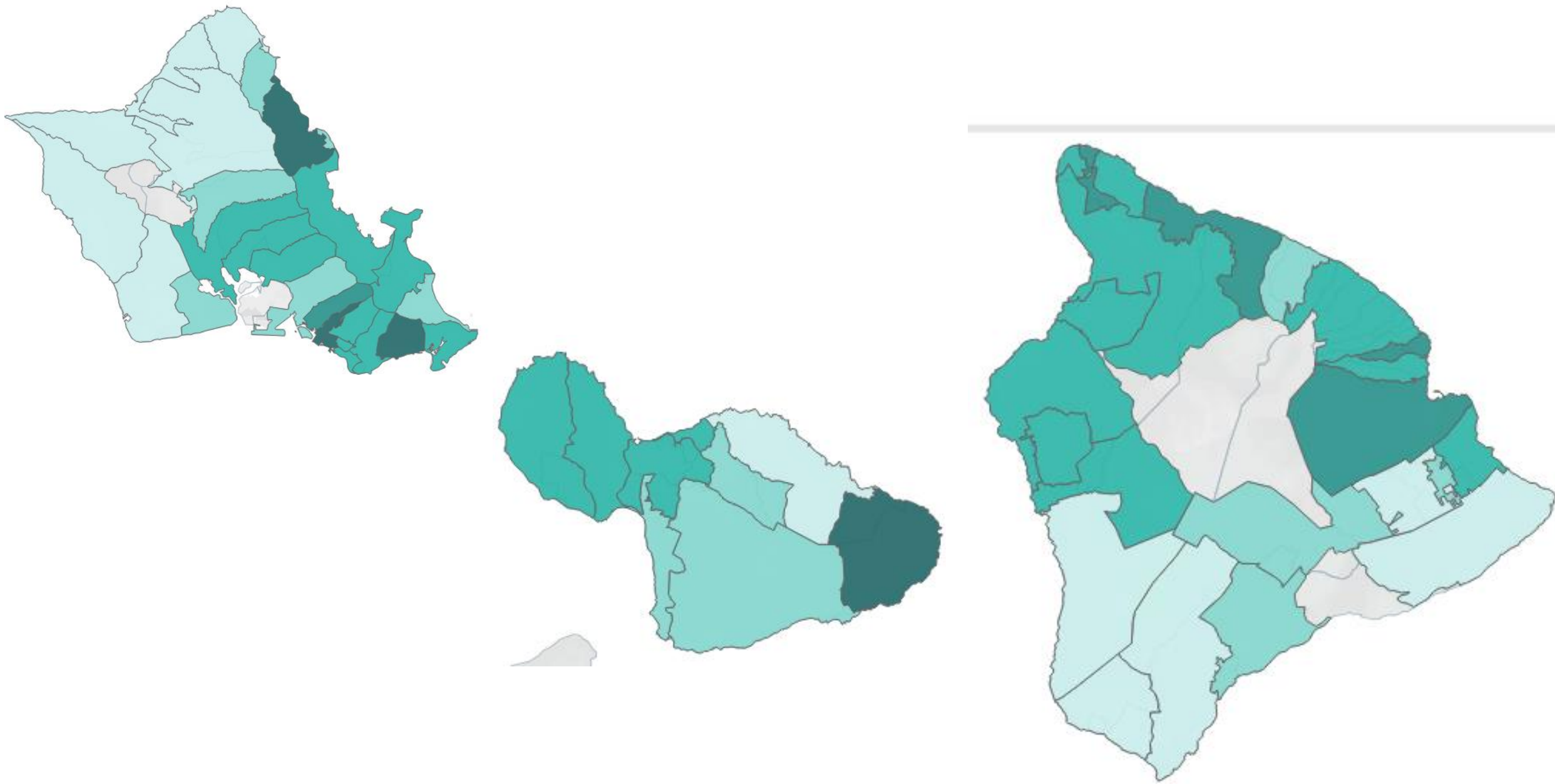
Hawaii Covid Immunizations (8/6/2021)

	Total pop	12+ pop
State	60.8 %	71.2 %
Oahu	63 %	73 %
BI	57 %	67 %
Maui	55 %	64 %
Kauai	60 %	71 %

Targets

Short Term	BI and Maui to 60 % for total pop or 70% 12+
Medium Term	70 % of total pop and for all islands
Longer Term	Marker higher than 70 % tbd

Trends: Rural, Low Income, Native Hawaiian, Age, Age/County



Covid Vaccine Completed by Geography



Hawaii COVID-19 Vaccine Summary

LAST UPDATED ON Friday, July 30, 2021



Click info icon for notes on this data

All persons age 12 and older are eligible for vaccination

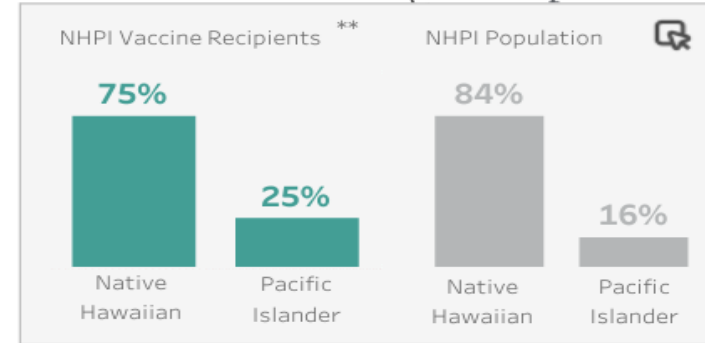
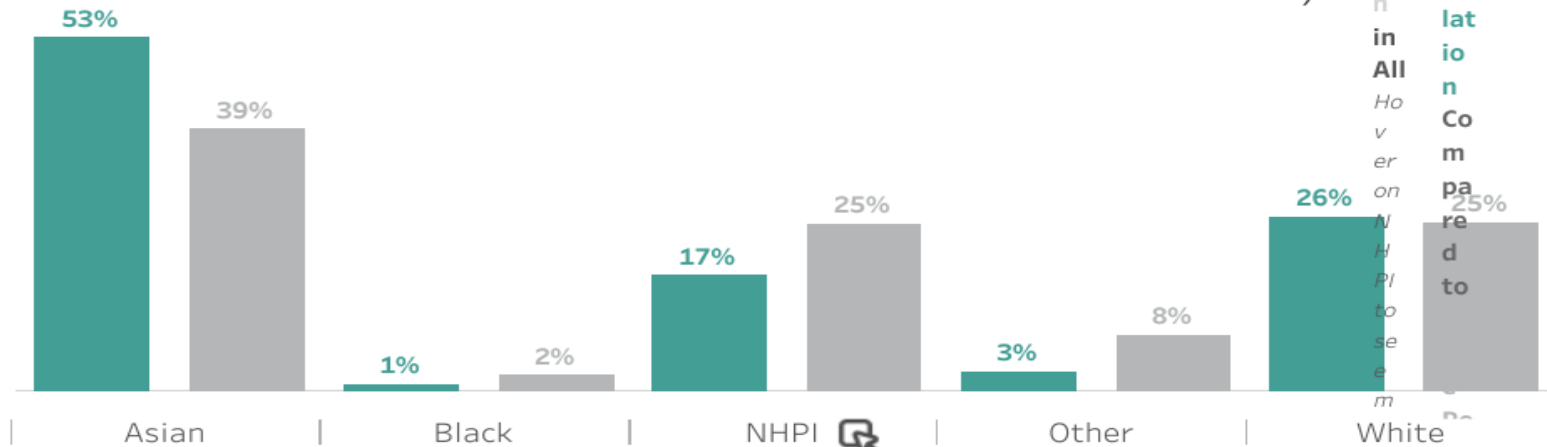
SELECT COUNTY



All

Unknown 19%

Percent of Vaccine Recipient Population Compared to State Population



These figures do NOT include doses from Federal Pharmacy Program or Federal Agency Doses

* These percentages represent the known race/ethnicity as reported in VAMS | ** Applies only to the subgroup of NHPI persons vaccinated after 3/23

NAVIGATE TO OTHER VIEWS

Click buttons to navigate to other views



DOSE TRACKING

COUNTY

MAP

AGE

RACE

Covid Immunization Status and Delta Virus

Vaccinated

- ▶ **Less** Likely to get Covid
- ▶ **Less** symptomatic and *less likely to spread Covid*
- ▶ **Less** “sick”
- ▶ **Less** likely to be hospitalized
- ▶ Protects against delta

Unvaccinated

- ▶ **More** likely to get Covid
- ▶ **More** symptomatic and *more likely to spread Covid*
- ▶ **More** “sick”
- ▶ **More** likely to be hospitalized
- ▶ No protection against delta

Third shot booster shot being considered by CDC for immunocompromised and elderly. Guidance soon. Also, possible guidance for second shot J&J.

Going Forward : “Don’t Fear Covid But Respect It”

- ✓ Stay home if not feeling well.
- ✓ Be mentally prepared
 - Anticipate increase in cases
- ✓ Think Positive, but take precautions
 - Any government restrictions are temporary
 - Delta surge will pass as it did in other areas
- ✓ Think Positive, but get vaccinated
- ✓ If vaccinated still need to take precautions
- ✓ If you would like to get tested

www.oneoahu.org/covid19-testing

Commends on Q&I, contact tracing, vaccination

