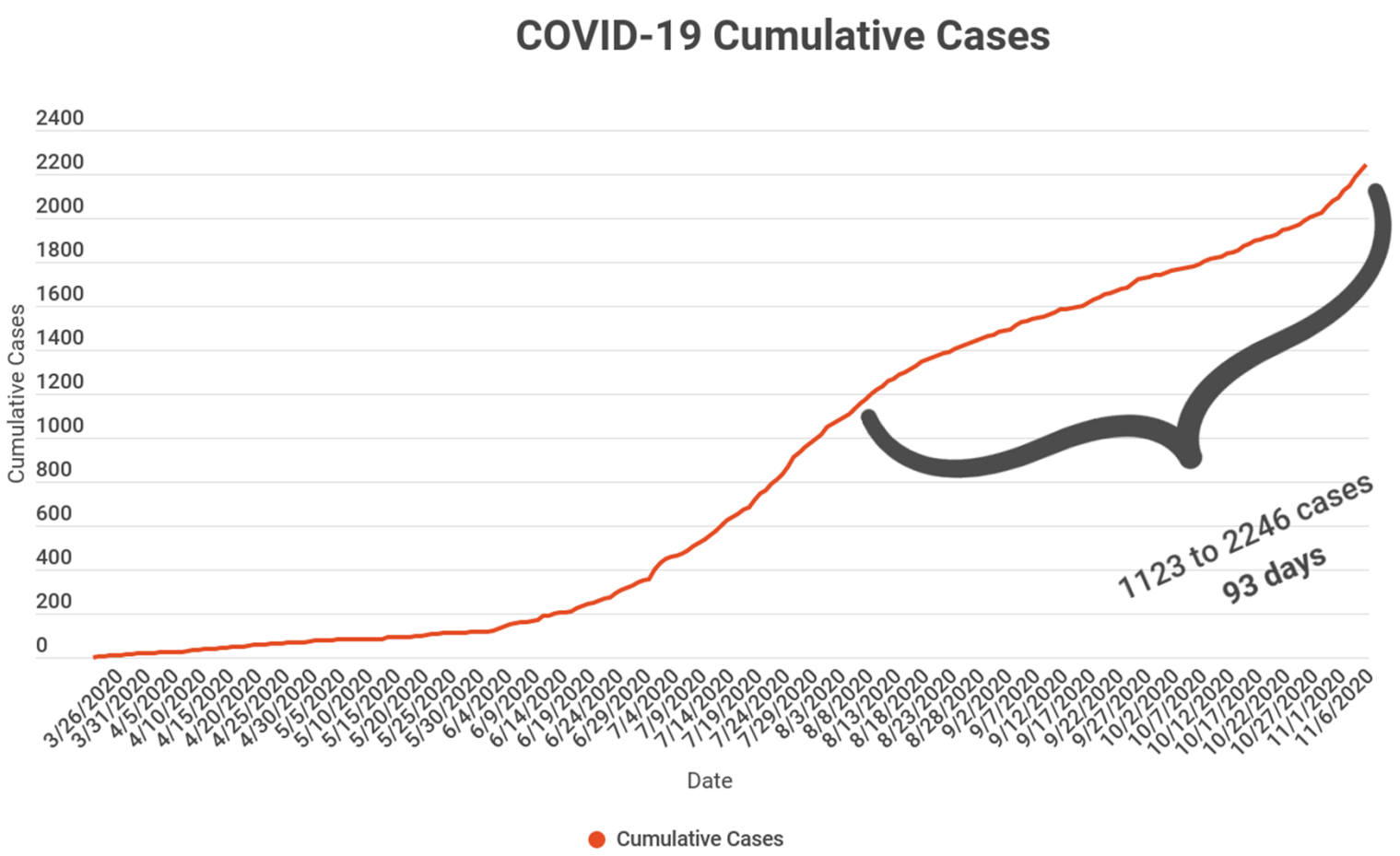
COVID-19 (SARS-CoV-2) UPDATES

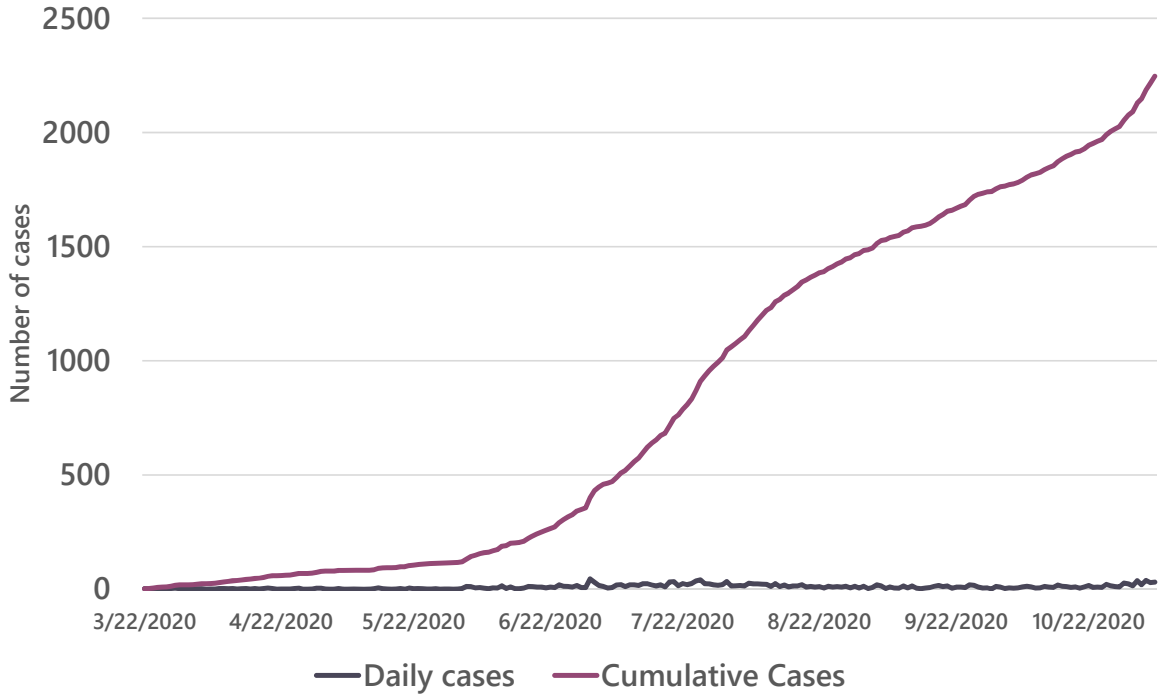
November 10, 2020

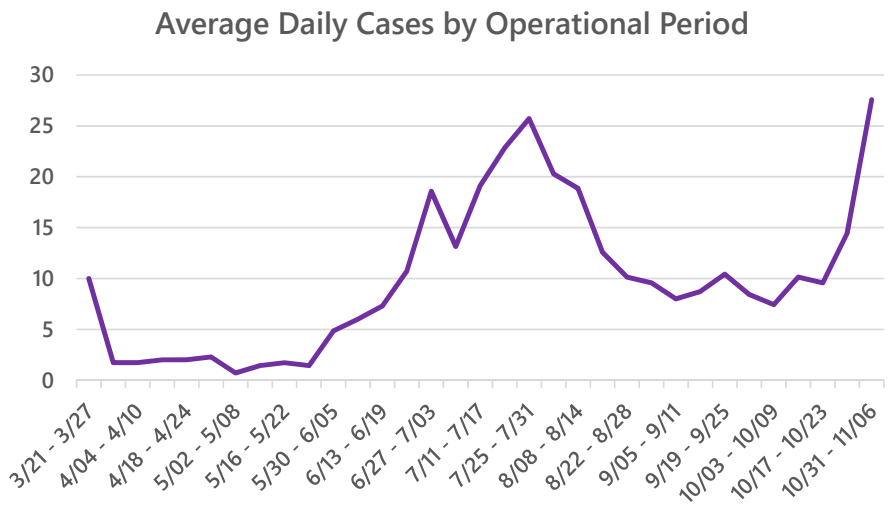
Karen Relucio, MD
Public Health Officer
Deputy Director of HHSA

DOUBLING TIME

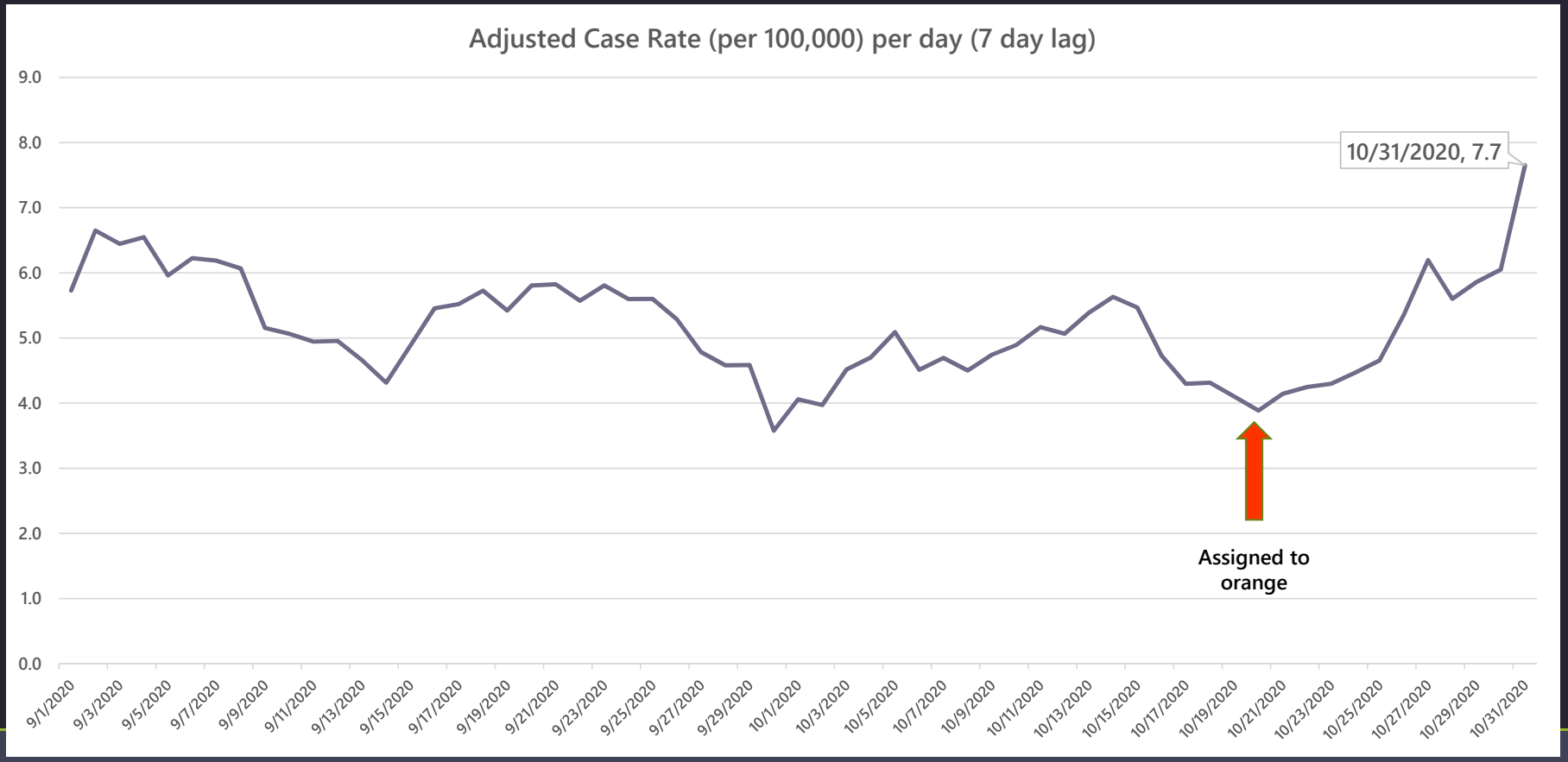


CASE COUNT CURVE

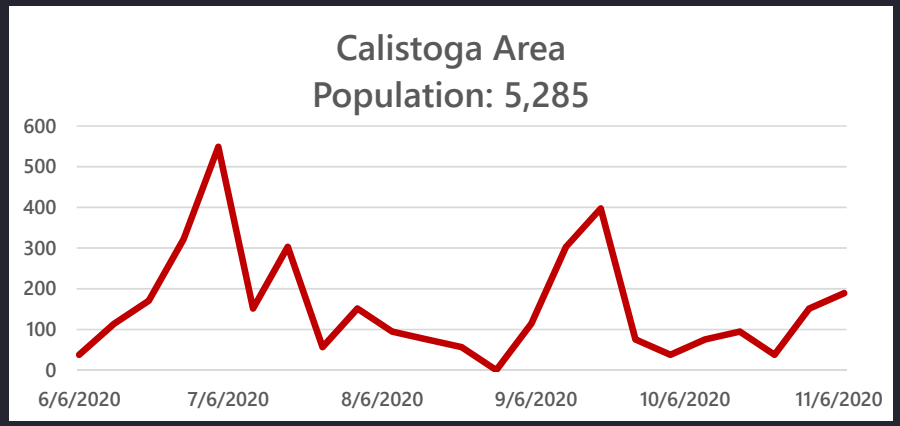


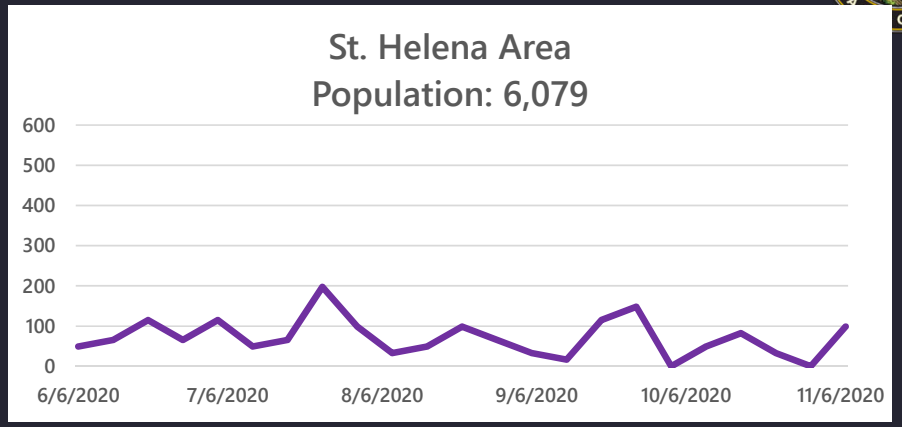


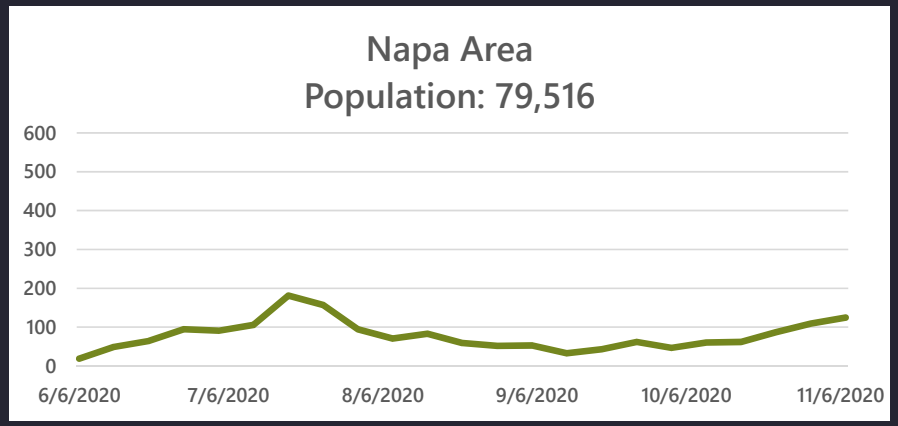
CASE RATES

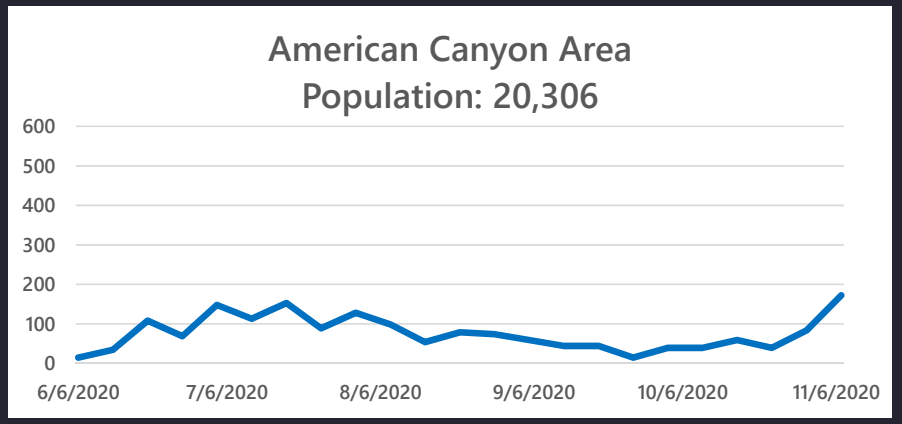

Adjusted Case Rate (per 100,000) per day (7 day lag)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
10/31/2020, 7.7
Assigned to orange
9/1/2020
9/3/2020
9/5/2020
9/7/2020
9/9/2020
9/11/2020
9/13/2020
9/15/2020
9/17/2020
9/19/2020
9/21/2020
9/23/2020
9/25/2020
9/27/2020
9/29/2020
10/1/2020
10/3/2020
10/5/2020
10/7/2020
10/9/2020
10/11/2020
10/13/2020
10/15/2020
10/17/2020
10/19/2020
10/21/2020
10/23/2020
10/25/2020
10/27/2020
10/29/2020
10/31/2020

WEEKLY CASE RATE (PER 100,000) BY AREA



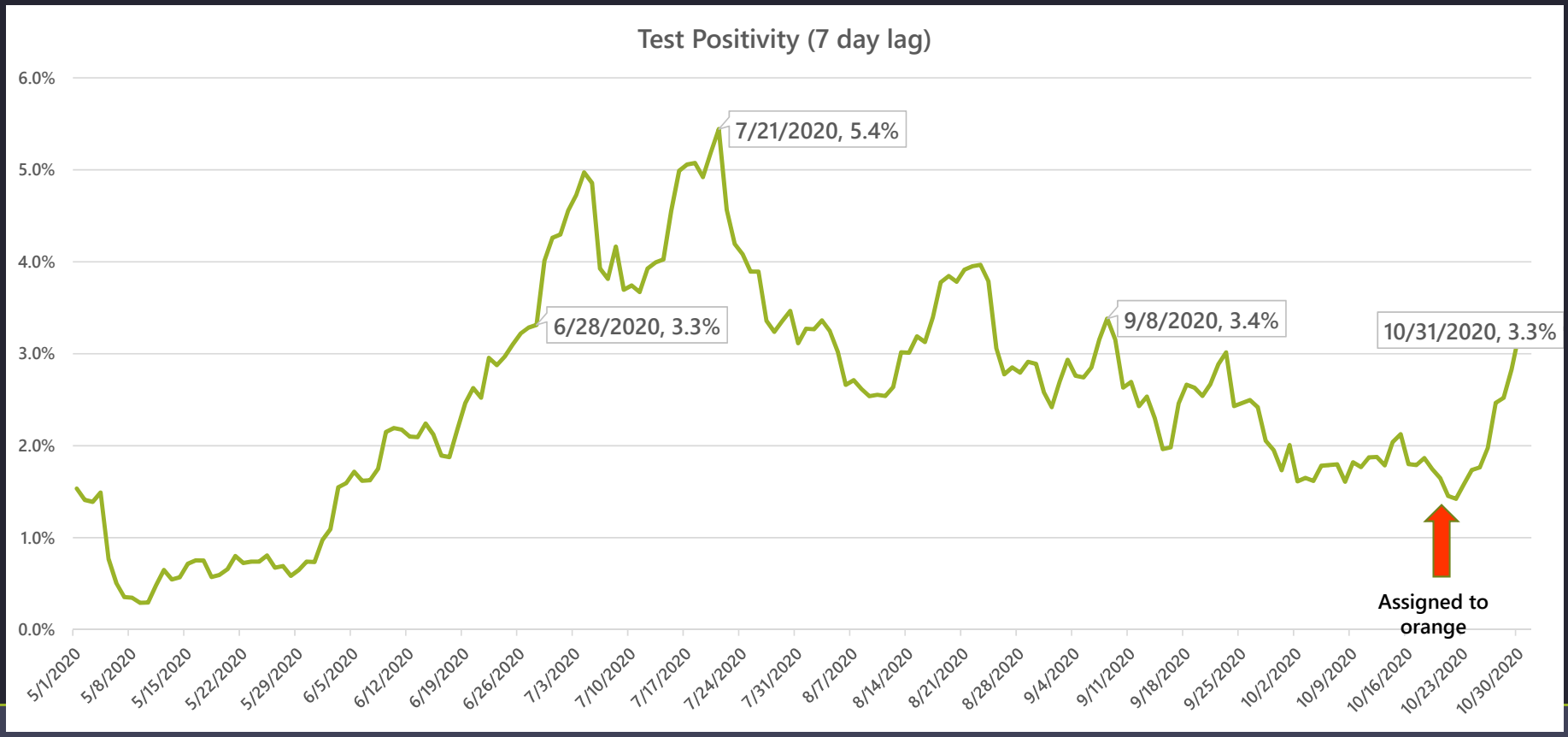




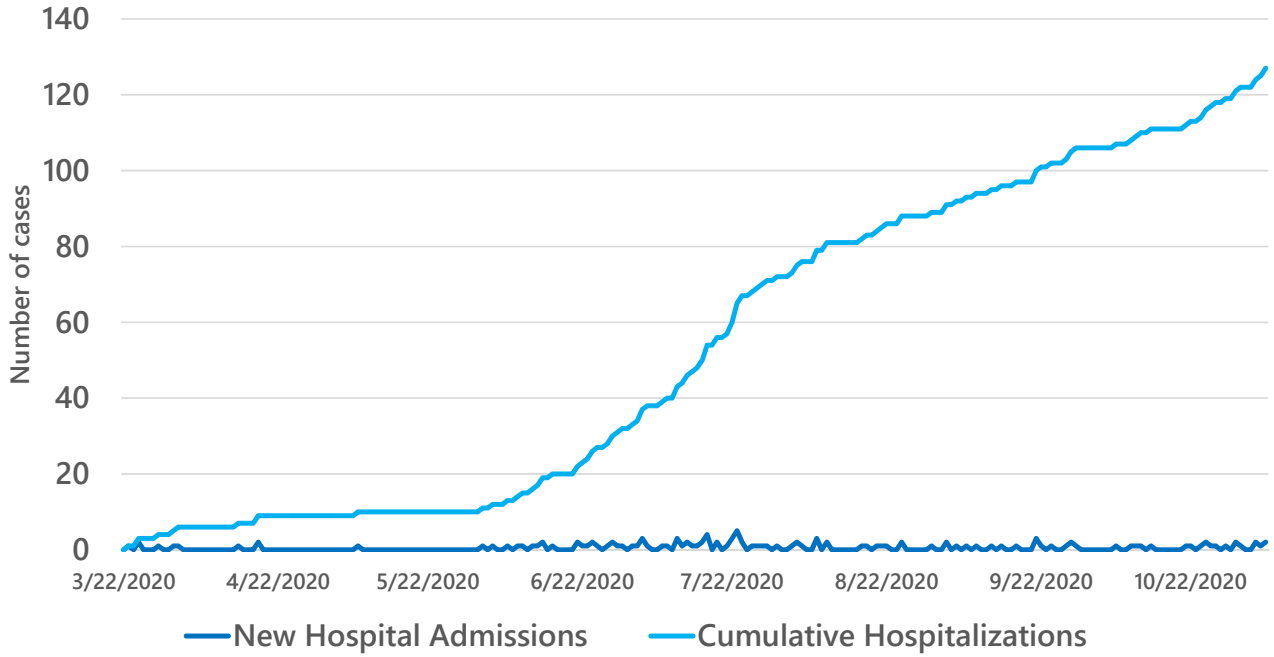


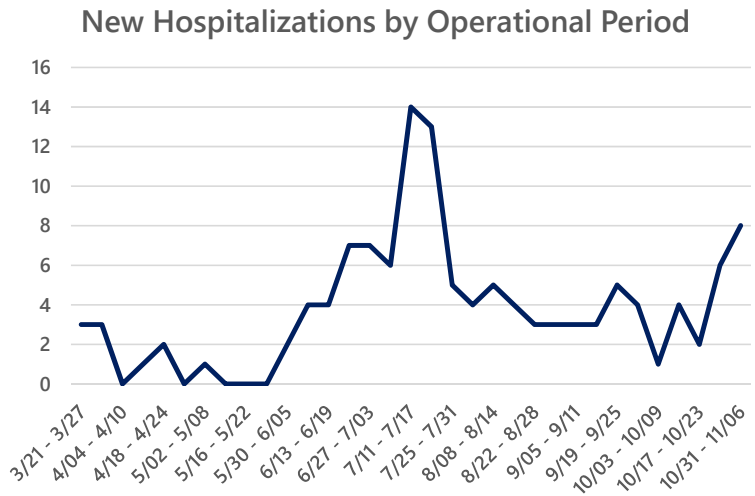
*Rates are estimates based on city address

TEST POSITIVITY

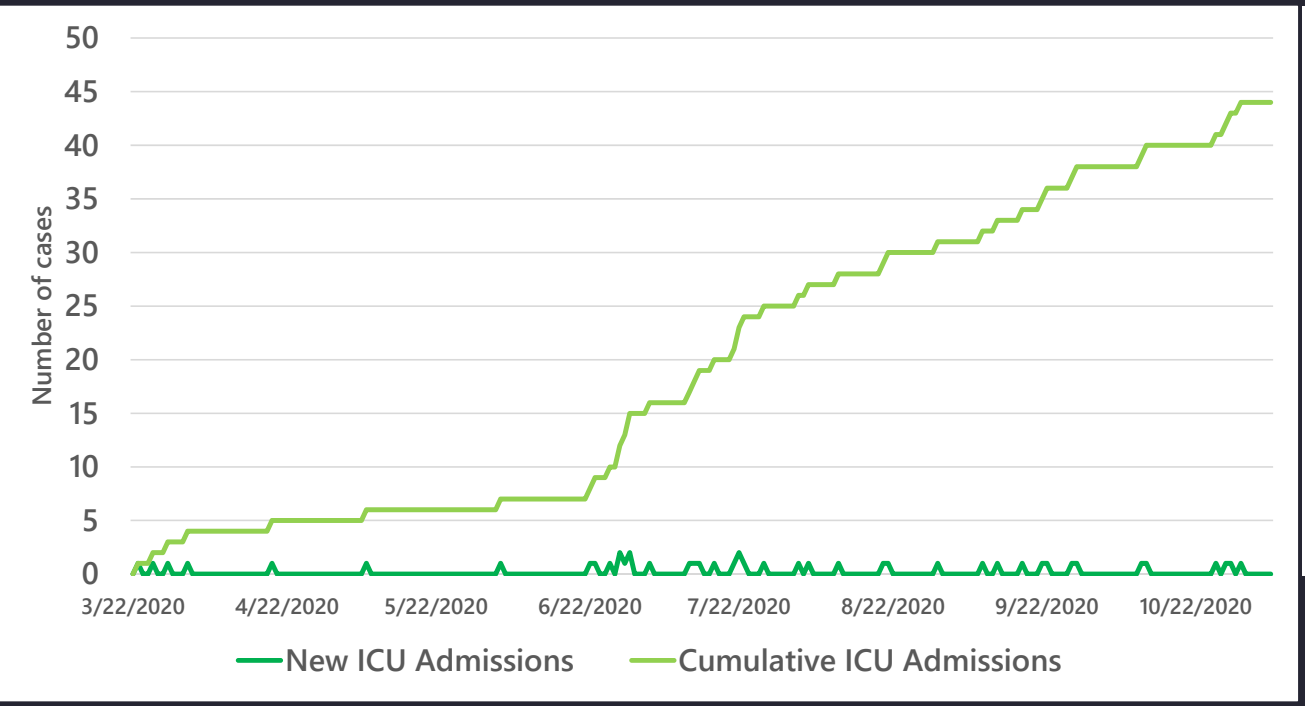


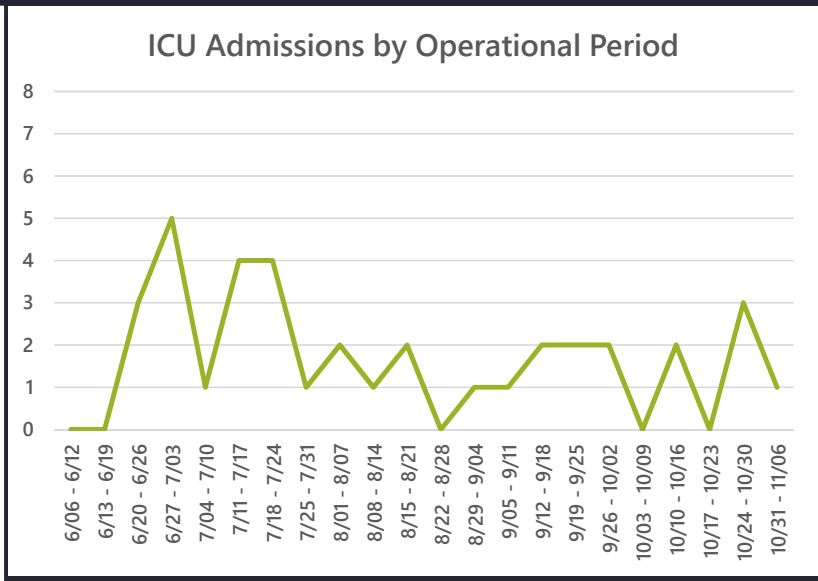
HOSPITALIZATION TRENDS



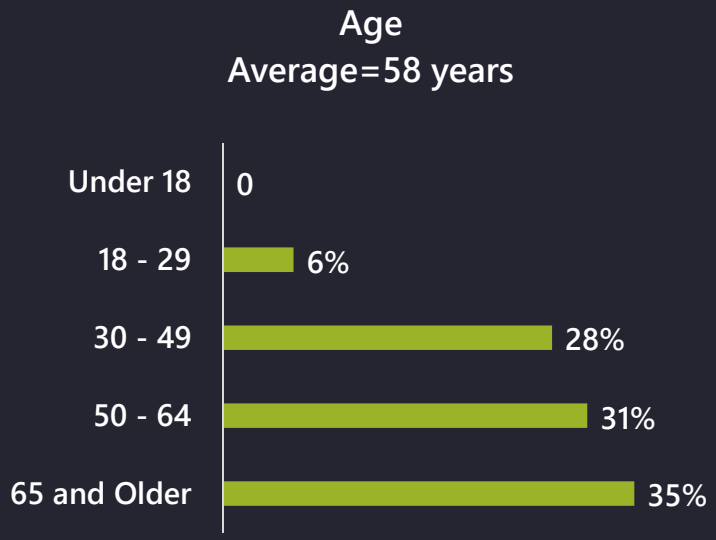


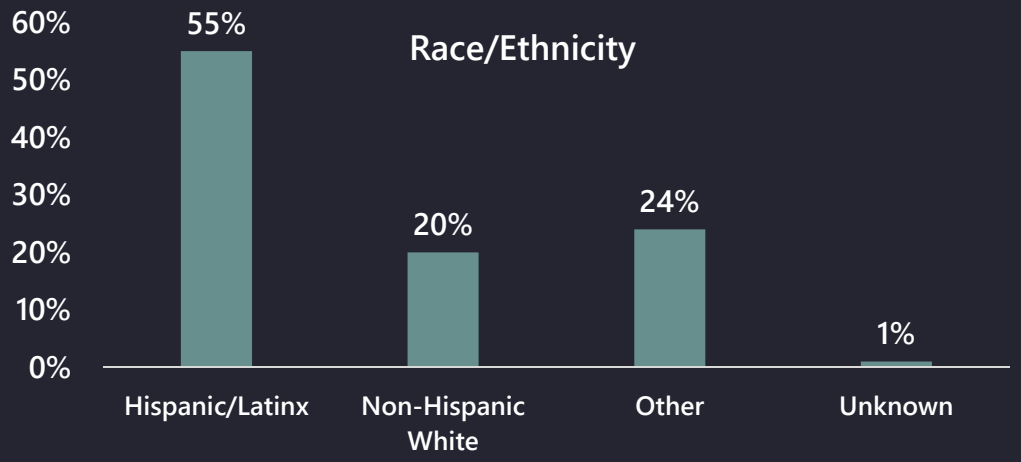
ICU ADMISSION TRENDS

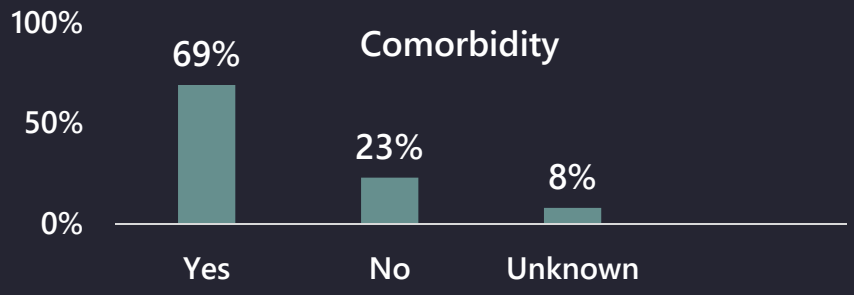


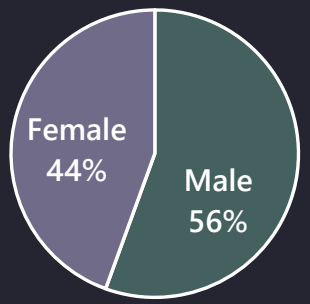


COVID-19 HOSPITALIZATION DEMOGRAPHICS







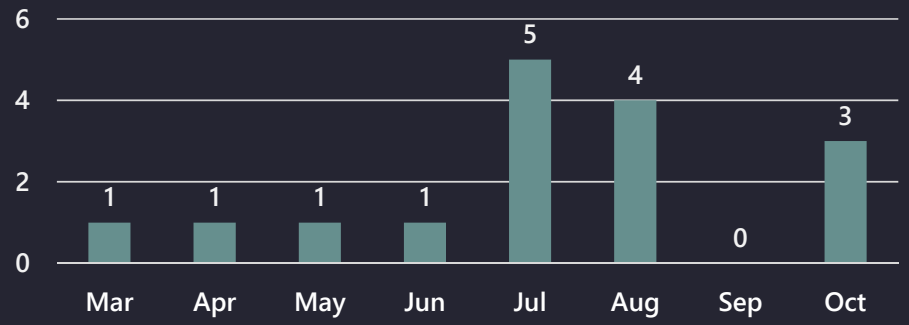


Unknown includes cases still under investigation.

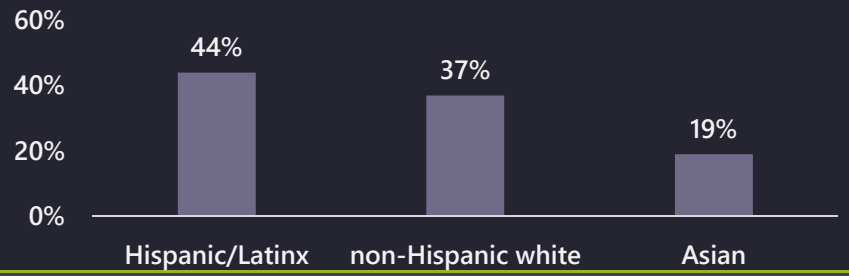
Total hospitalizations=130

DEATHS

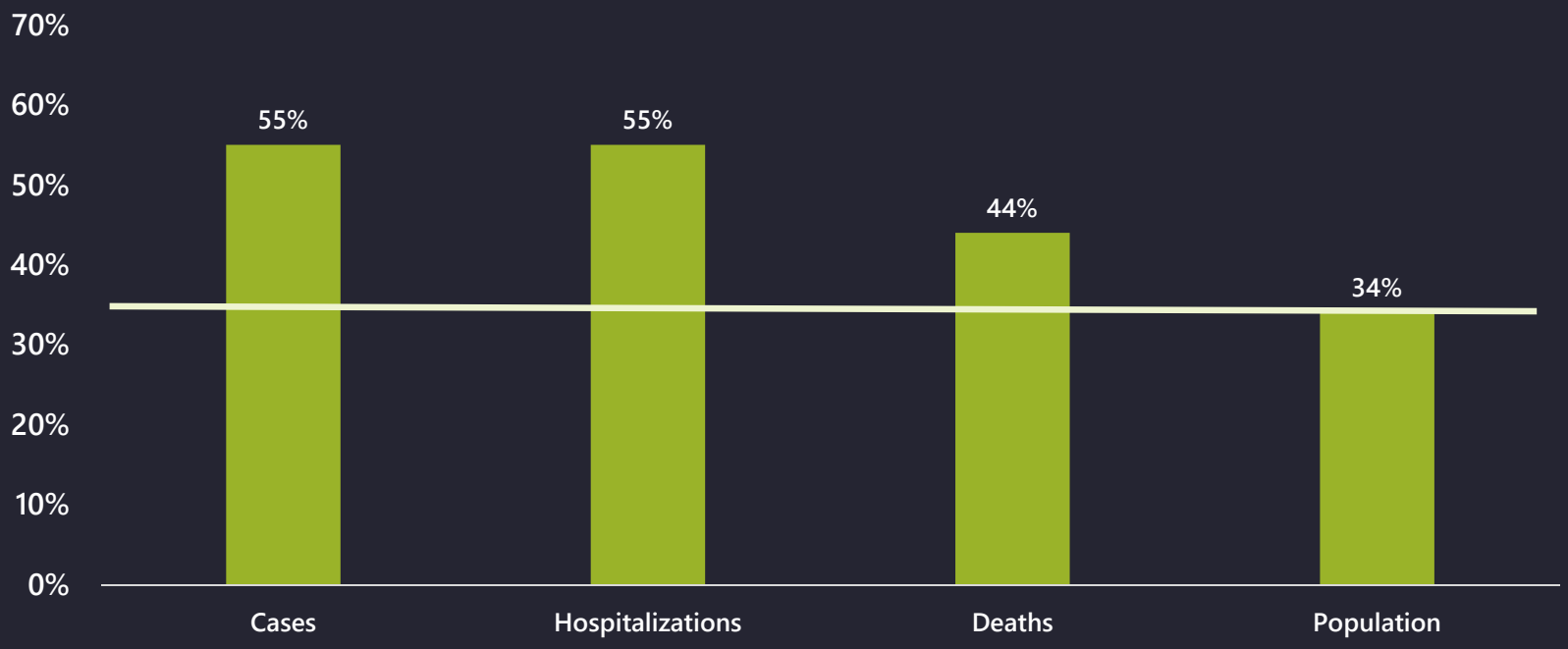
- Sixteen people have died of COVID-19 since March



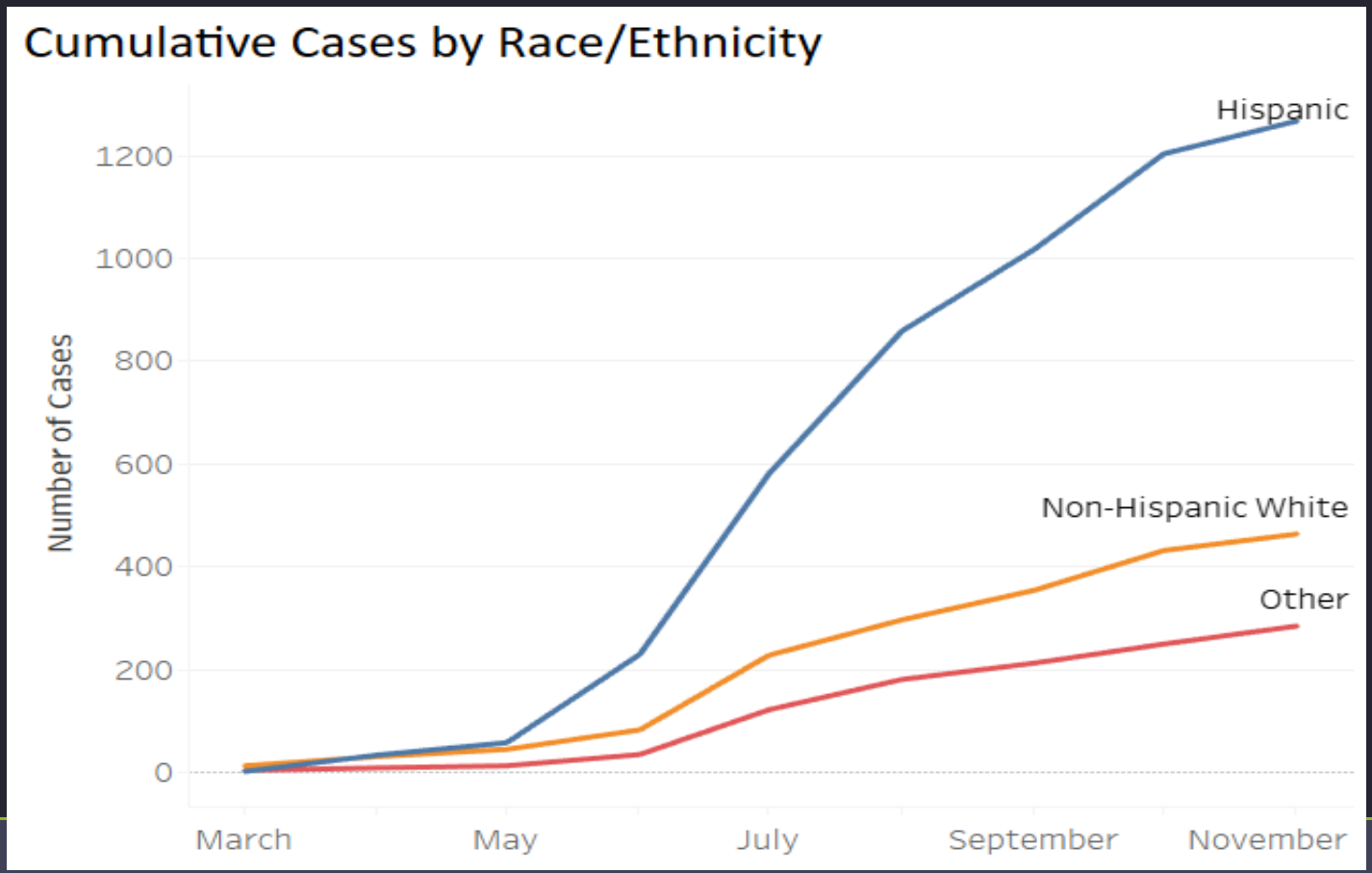
- Average age at death was 78 years (range 43 – 97 years)
- Race/ethnicity



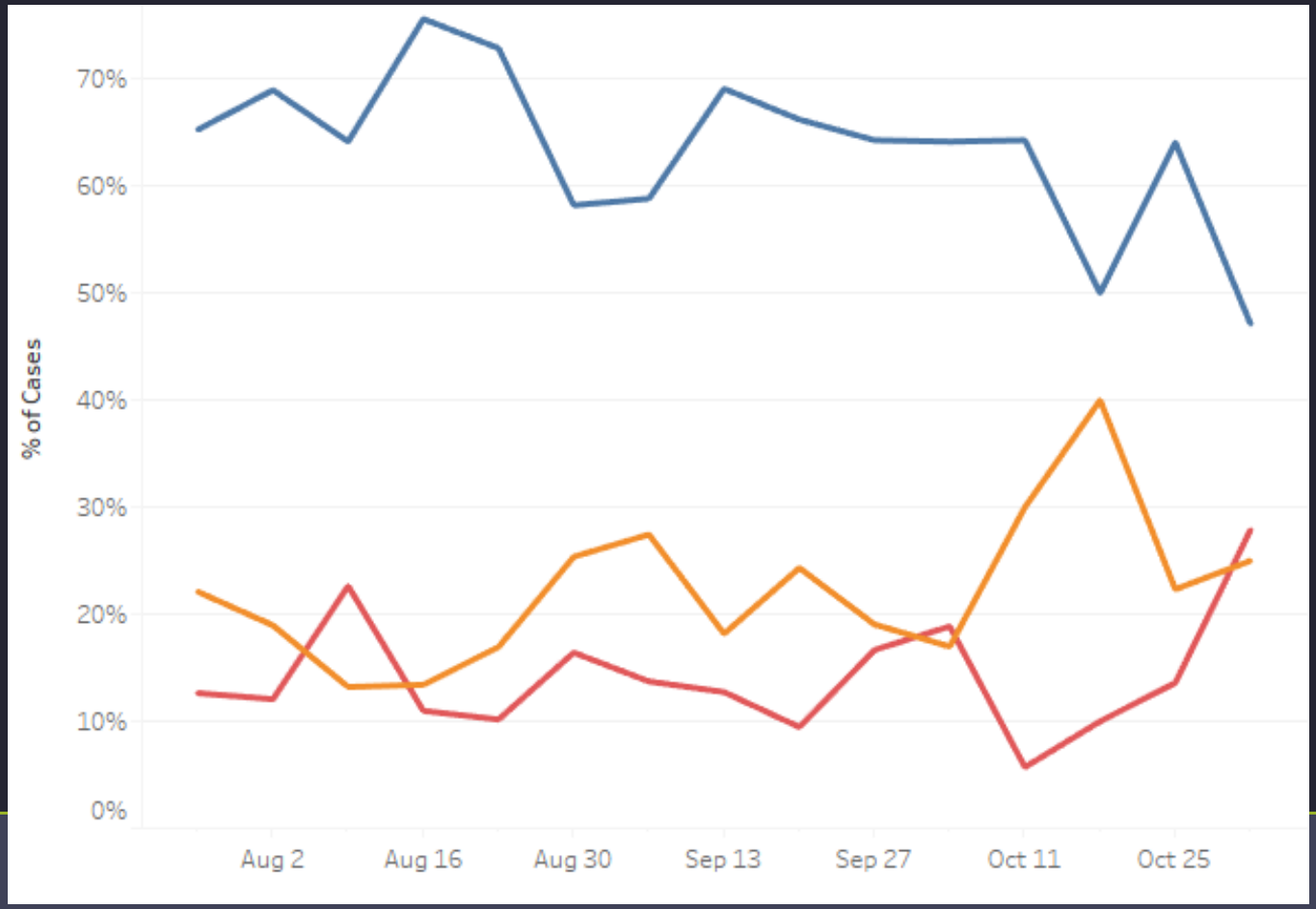
LATINX


70%
60%
50%
40%
30%
20%
10%
0%
55%
55%
44%
34%
Cases
Hospitalizations
Deaths
Population

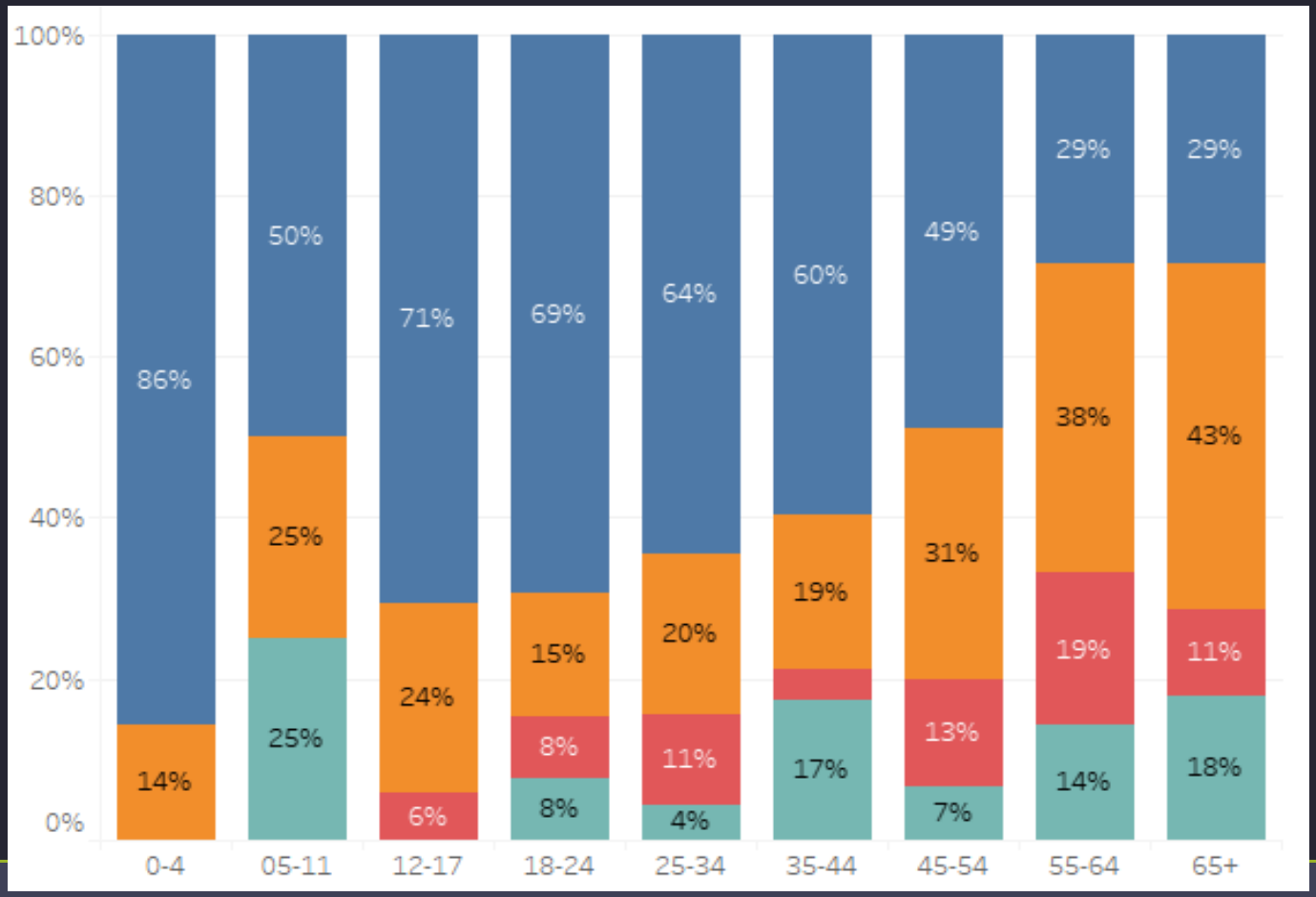
CASE TRENDS BY RACE/ETHNICITY



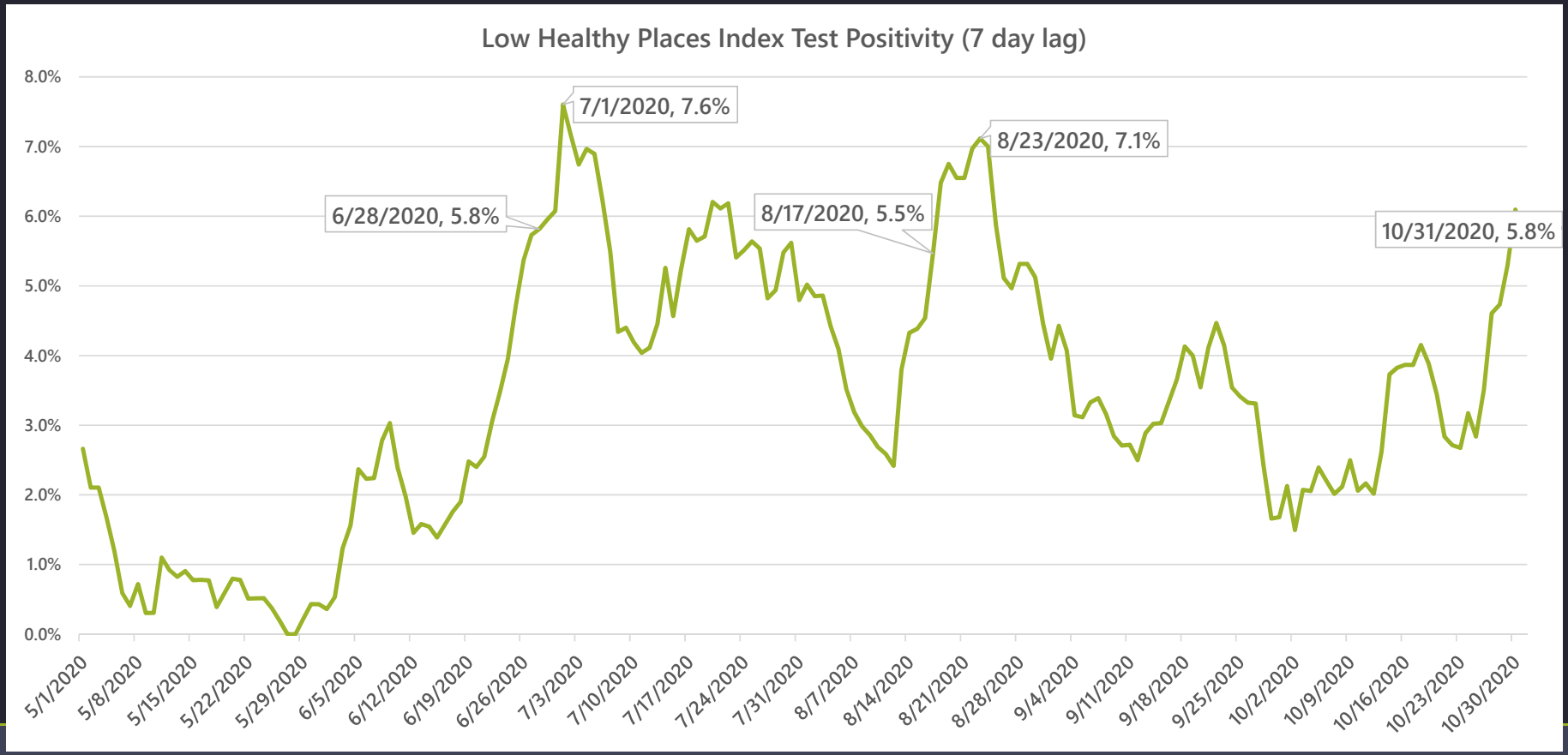
CASE TRENDS BY RACE/ETHNICITY



RACE/ETHNICITY AND AGE



HEALTH EQUITY METRIC



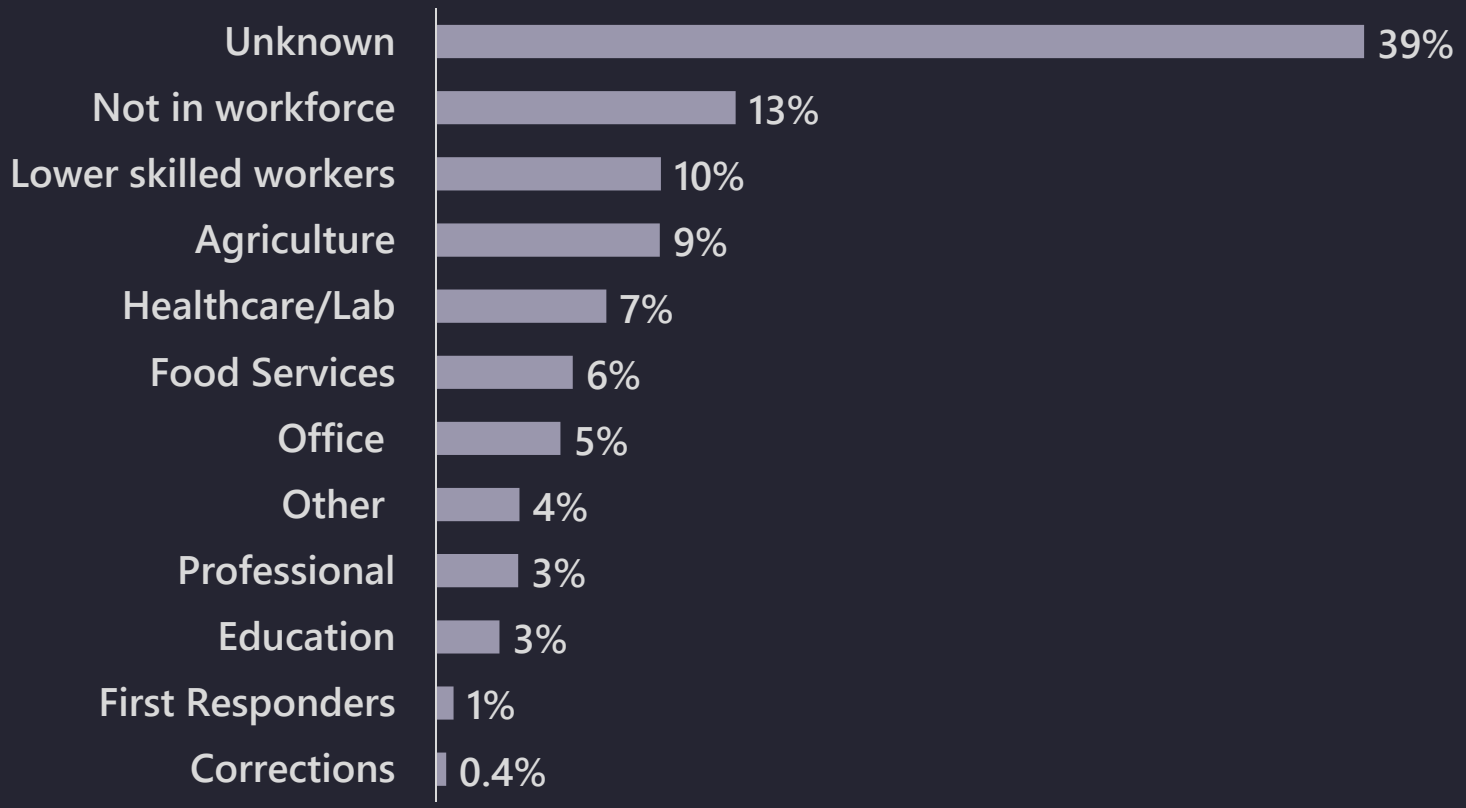
CURRENT OUTBREAKS

Facility	Staff	Residents	Projected End Date
Skilled nursing facility 1	40	6	12/3
Skilled nursing facility 2	0	2	11/19
Skilled nursing facility 3	3	0	11/16
Skilled nursing facility 4	6	11	11/7*
Memory care facility	1	1	11/12
Corrections	0	2	11/18

Three additional facilities being monitored.

*In the process of closing

OCCUPATION SECTORS OF CASES



Includes cases over age 18 years

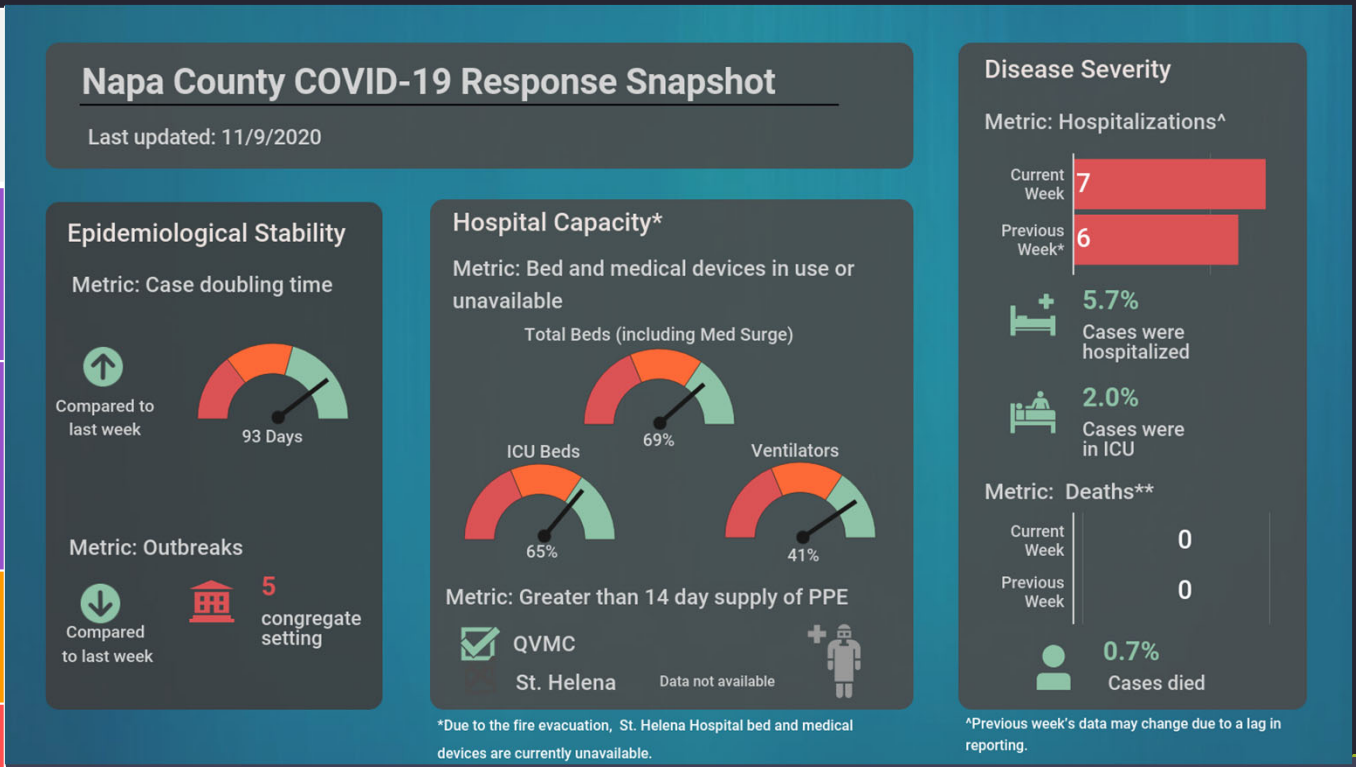
BLUEPRINT FOR A SAFER ECONOMY METRICS

Measure	Tier 1 (Widespread)	Tier 2 (Substantial)	Tier 3 (Moderate)	Tier 4 (Minimal)
Adjusted Case Rate per 100,000	>7	4 to 7	1 to 3.9	<1
Overall Test Positivity Rate	>8%	5% to 8%	2% to 4.9%	<2%
Lowest HPI Quartile's Test Positivity Rate	>8%	8%	5.2%* (within~5%)	2.1% (within~10%)

BLUEPRINT FOR A SAFER ECONOMY

- Napa County assigned to orange tier, but some metrics are in the purple tier

Measures	CDPH Estimates for Napa
New Cases per 100,000 population per day 7 day average	11.6
Adjusted New Cases per 100,000 population per day 7 day average	7.7
Testing positivity 7 day average	3.3%
Health equity testing positivity	5.8%



TESTING AND CASE ADJUSTMENT

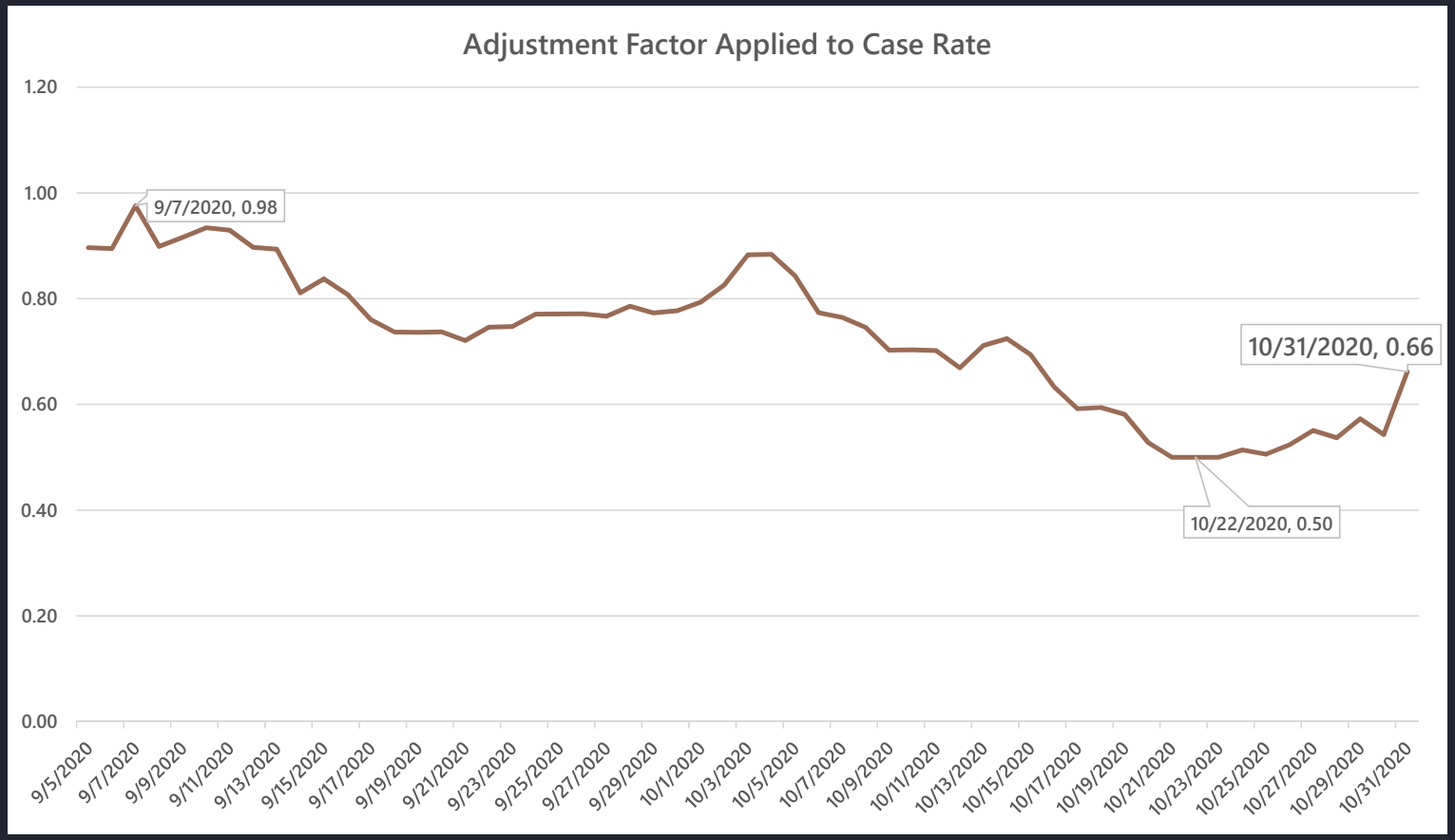
California COVID-19 Case Rate Adjustment Factor

Testing Volume	Case Rate Adjustment Factor*
0	1.4
0.25* State Median	1.3
0.50* State Median	1.2
0.75* State Median	1.1
State Median	1
1.25* State Median	0.825
1.5* State Median	0.75
1.75* State Median	0.625
2.0*State Median and above	0.5

- Napa County is testing between 1.5 to 1.75 times the state median (272.4), so case rate is multiplied by the case rate adjustment factor :

  11.6 x 0.664 =7.7

CASE RATE ADJUSTMENT FOR TESTING

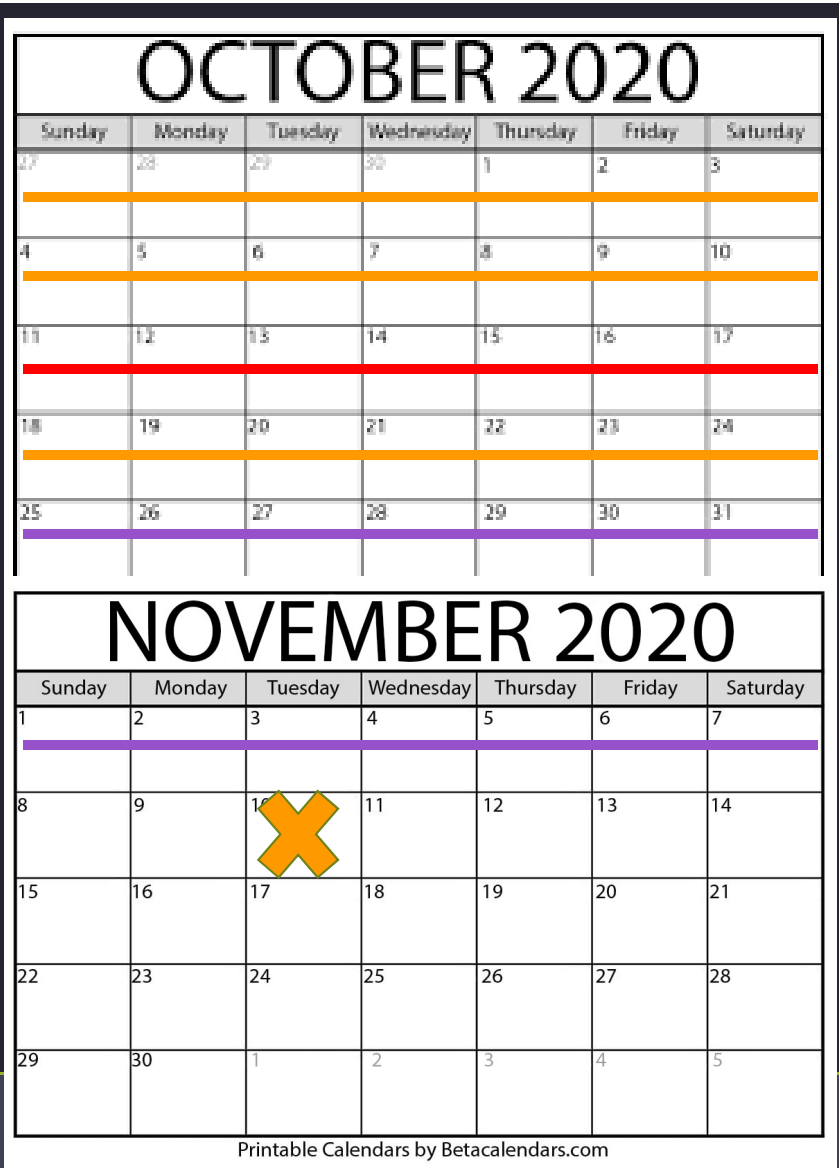


9/5 – 10/31 Average: 0.73

TIER STATUS ASSIGNMENTS ARE BASED ON PAST DATA

EXPLAINING TIER STATUS VS. CURRENT REALITY

CURRENT REALITY PREDICTS FUTURE TIER ASSIGNMENT



OCTOBER 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Printable Calendars by Betacalendars.com

THIS COULD GET WORSE

OCTOBER 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Printable Calendars by Betacalendars.com

WHAT IS DRIVING THE SPIKE?

- Unknown community transmission
- Household transmission
- Gatherings
- Out of state travel
- Lack of cooperation with contact tracing (i.e., if we don't know who a positive case exposed, then we cannot stop transmission)
- Our case rates have risen since the County moved to the less restrictive orange tier

SECTORS	Widespread Tier 1	Substantial Tier 2	Moderate Tier 3	Minimal Tier 4
Hotels and lodging	Open with modifications	Open with modifications • +Fitness centers (+10%)	Open with modifications • +Fitness centers (+25%) • +Indoor pools	Open with modifications: • +Fitness Centers (50%) • +Spa facilities etc
Gyms and Fitness Centers	Outdoor Only with modifications	Open indoors with modifications • Max 10% capacity	Open indoors with modifications • Max 25% capacity • +indoor pools	Open indoors with modifications • +Saunas • +Spas • +Steam rooms • Max 50% capacity
Restaurants	Outdoor Only with modifications	Open indoors with modifications • Max 25% capacity or 100 people, whichever is fewer	Open indoors with modifications • Max 50% capacity or 200 people, whichever is fewer	Open indoors with modifications • Max 50% capacity
Wineries	Outdoor Only with modifications	Outdoor Only with modifications	Open indoors with modifications • Max 25% capacity indoors, or 100 people, whichever is fewer	Open indoors with modifications • Max 50% capacity or 200 people indoors, whichever is fewer

SECTORS	Widespread Tier 1	Substantial Tier 2	Moderate Tier 3	Minimal Tier 4
Bars, Breweries, and Distilleries **(where no meal provided)** **(follow restaurants where meal is provided)**	Closed	Closed	Open Outdoors with modifications	Open indoors with modifications • Max 50% capacity
Family Entertainment Centers	Outdoor Only with modifications e.g. • Kart Racing • Mini Golf • Batting Cages	Outdoor Only with modifications e.g. • Kart Racing • Mini Golf • Batting Cages	Open Indoors for naturally distanced activities with modifications • Max 25% capacity • Bowling Alleys • Climbing Walls	Open indoors for activities with increased risk of proximity and mixing with modifications • Max 50% capacity • Arcade Games • Ice and roller skating • Indoor playgrounds
Cardrooms, Satellite Wagering	Outdoor Only with modifications	Outdoor Only with modifications	Open indoors with modifications • Max 25% capacity	Open indoors with modifications • Max 50% capacity
Offices	Remote	Remote	Open indoors with modifications • Encourage telework	Open indoors with modifications • Encourage telework
Professional sports	Open • Without live audiences • With modifications	Open • Without live audiences • With modifications	Open • Without live audiences • With modifications	Open • Without live audiences • With modifications

SECTORS	Widespread Tier 1	Substantial Tier 2	Moderate Tier 3	Minimal Tier 4
Nail Salons*	Open Indoors with modifications	Open indoors with modifications	Open indoors with modifications	Open indoors with modifications
Personal Care Services	Outdoor Only with modifications	Open indoors with modifications	Open indoors with modifications	Open indoors with modifications
Museums, Zoos, and aquariums	Outdoor Only with modifications	Open indoors with modifications • Indoor activities max 25% capacity	Open indoors with modifications • Indoor activities max 50% capacity	Open indoors with modifications
Places of Worship	Outdoor Only with modifications	Open indoors with modifications • Max 25% capacity or 100 people, whichever is fewer	Open indoors with modifications • Max 50% capacity or 200 people, whichever is fewer	Open indoors with modifications • Max 50% capacity
Movie theaters	Outdoor Only with modifications	Open Indoors with modifications • Max 25% capacity or 100 people, whichever is fewer	Open indoors with modifications • Max 50% capacity or 200 people, whichever is fewer	Open indoors with modifications • Max 50% capacity

SECTORS	Widespread Tier 1	Substantial Tier 2	Moderate Tier 3	Minimal Tier 4
Critical Infrastructure	Open with modifications	Open with modifications	Open with modifications	Open with modifications
Limited Services	Open with modifications	Open with modifications	Open with modifications	Open with modifications
Outdoor Playgrounds & Outdoor Recreational Facilities **	Open with modifications	Open with modifications	Open with modifications	Open with modifications
Hair Salons & Barbershops	Open Indoors with modifications	Open indoors with modifications	Open indoors with modifications	Open indoors with modifications
All Retail (including critical infrastructure, except standalone grocers)	Open Indoors with modifications • Max 25% capacity	Open Indoors with modifications • Max 50% capacity	Open Indoors with modifications	Open Indoors with modifications
Shopping Centers (Malls, Destination Centers, Swap Meets)	Open Indoors with modifications • Max 25% capacity • Closed common areas • Closed food courts	Open indoors with modifications • Max 50% capacity • Closed common areas • Reduced capacity food courts (see restaurants)	Open indoors with modifications • Closed common areas • Reduced capacity food courts (see restaurants)	Open Indoors with modifications • Reduced capacity food courts (see restaurants)

IMPACTS

- Schools who have not already reopened for in person learning may not be able to do so
- State-mandated scaleback of business could mean loss of jobs again
- Lost wages means unpaid rents, food insecurity, need for social services
- Mental health of youth and the rest of our community

HOW ARE WE ADDRESSING THIS?

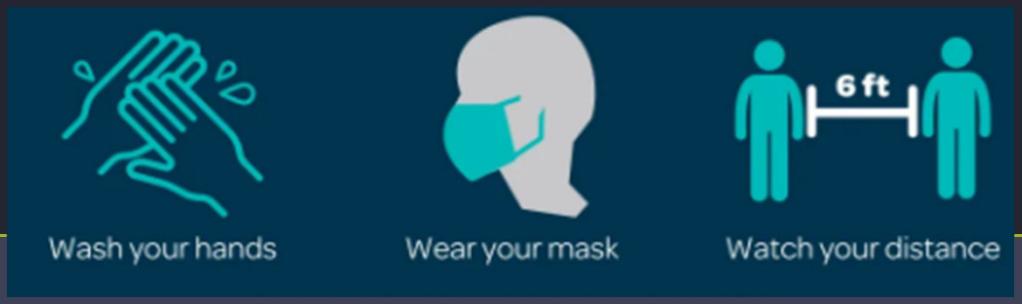
- Maintaining high testing volumes
- Mapping analysis to monitor COVID hotspots and targeting public information and outreach
- Working with COAD to increase outreach to at-risk communities
- Essential service worker support, including farmworkers and healthcare
- Supportive isolation and quarantine facilities with meals and medications provided
- Working with schools to assist with case and contact tracing as in-person learning starts back up
- Working with Chambers of Commerce on public education campaigns
- "Safe Holiday" infographic social media campaign for fall/winter holidays
- Public health, PIO, and County leadership are doing in person outreach in communities with higher case rates
- Plans for in person informational outreach ahead of the Thanksgiving holiday at area supermarkets

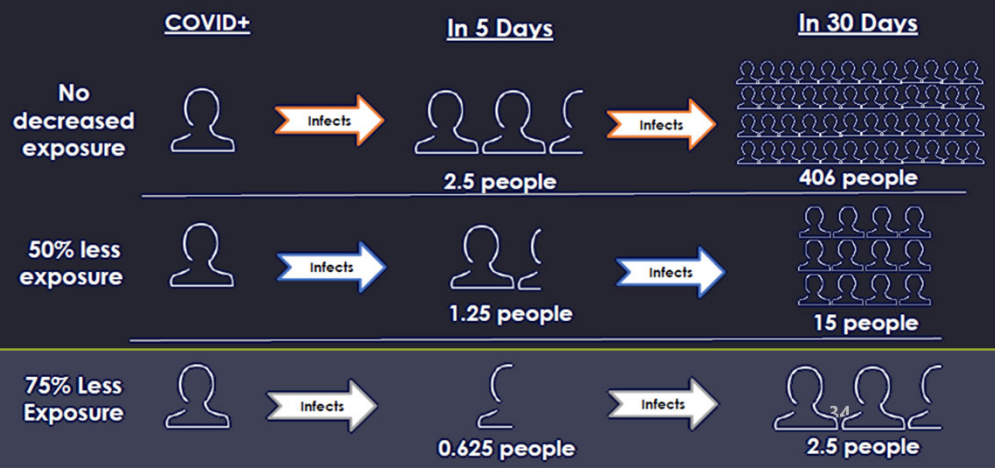
WHAT ARE THE CHALLENGES?

- Pandemic fatigue
- Lack of compliance around gatherings
- Perception that things are back to normal

YOUR ACTIONS AFFECT OTHERS

- Wishful thinking and complacency will not make COVID-19 go away
- Economic decline leads to decreased community health
- Let's not take the path to PURPLE





Sector	Number	Percent
Agriculture	180	9%
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	102	5%
Farmworkers, Farm and Ranch Animals	25	1%
Field Worker	53	3%
Corrections	8	0.4%
Education	51	3%
College or University Instructor or Employee	1	0.1%
Daycare or child care worker	10	1%
Elementary, Middle Secondary School Teachers	9	0.5%
Other Teachers and Instructors	7	0.3%
Student	25	1%
First Responders	14	1%
Fire Fighting and Prevention Workers	5	0.3%
Police Officers	9	0.5%
Food Services	110	6%
Cooks and Food Preparation Workers	59	3%
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	14	1%
Other Food Preparation and Serving Related Workers	27	1%
Waiters and Waitresses	10	1%

Sector	Number	Percent
Healthcare/Lab	137	7%
Health Care Worker	132	7%
Clinical Laboratory Technologists and Technicians	5	0.3%
Lower skilled workers	181	10%
Laborer, Private household, and Unskilled Workers	181	10%
Not in workforce	241	13%
Homemaker	55	3%
Not seeking Employment	10	1%
Retired	83	4%
Unemployed	93	5%
Office	100	5%
Clerical, Office, and Sales Workers	100	5%
Other	67	4%
Craftsman, Foremen, Operatives	62	3%
Other	5	0.3%
Professional	66	3%
Professional, Technical, and Related Professions	34	2%
Managers, Officials, and Proprietors	31	2%
Other Professionals	1	0.1%
Unknown	747	39%
TOTAL	1,902	