



Road Map to Reopening

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sonoma county
DEPARTMENT OF HEALTH SERVICES

Health Updates

- Blueprint for a Safer Economy
 - Current Status
- Local COVID-19 Data Tracking
- Skilled Nursing and Residential Care Facilities
- Disparities in Infection Rates by Race/Ethnicity
- Cases among Agriculture and Farm Workers
- School and Child Care Cases
- Community Health Metrics

Blueprint for a Safer Economy

	Higher Risk → Lower Risk of Community Disease Transmission			
	Widespread Tier 1	Substantial Tier 2	Moderate Tier 3	Minimal Tier 4
Measures*				
New cases^{***}/100,000 population per day (<u>7 day</u> average; 7 day lag)	>7	4-7	1-3.9	<1
Testing % Positivity (<u>7 day</u> average; 7 day lag)	> 8%	5-8%	2-4.9%	<2%

Sonoma County's Current Status

- Sonoma County remains in the most restrictive tier, **Tier 1: Widespread**

Sonoma County Metrics

8.6

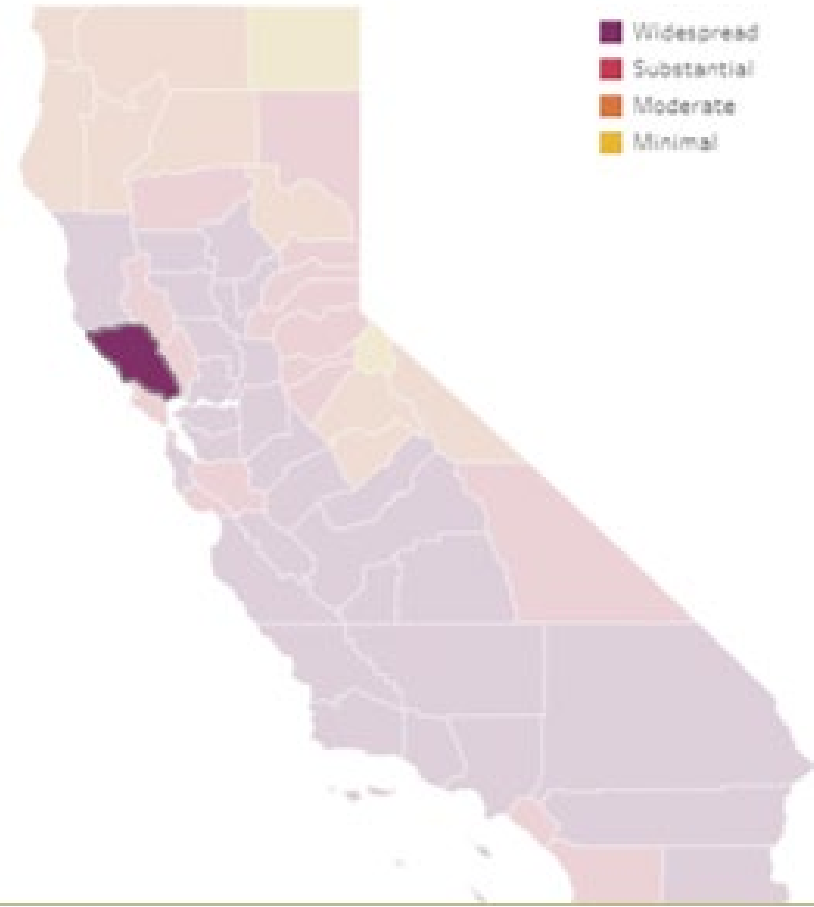
New COVID-19 positive cases per day per 100K

8.3

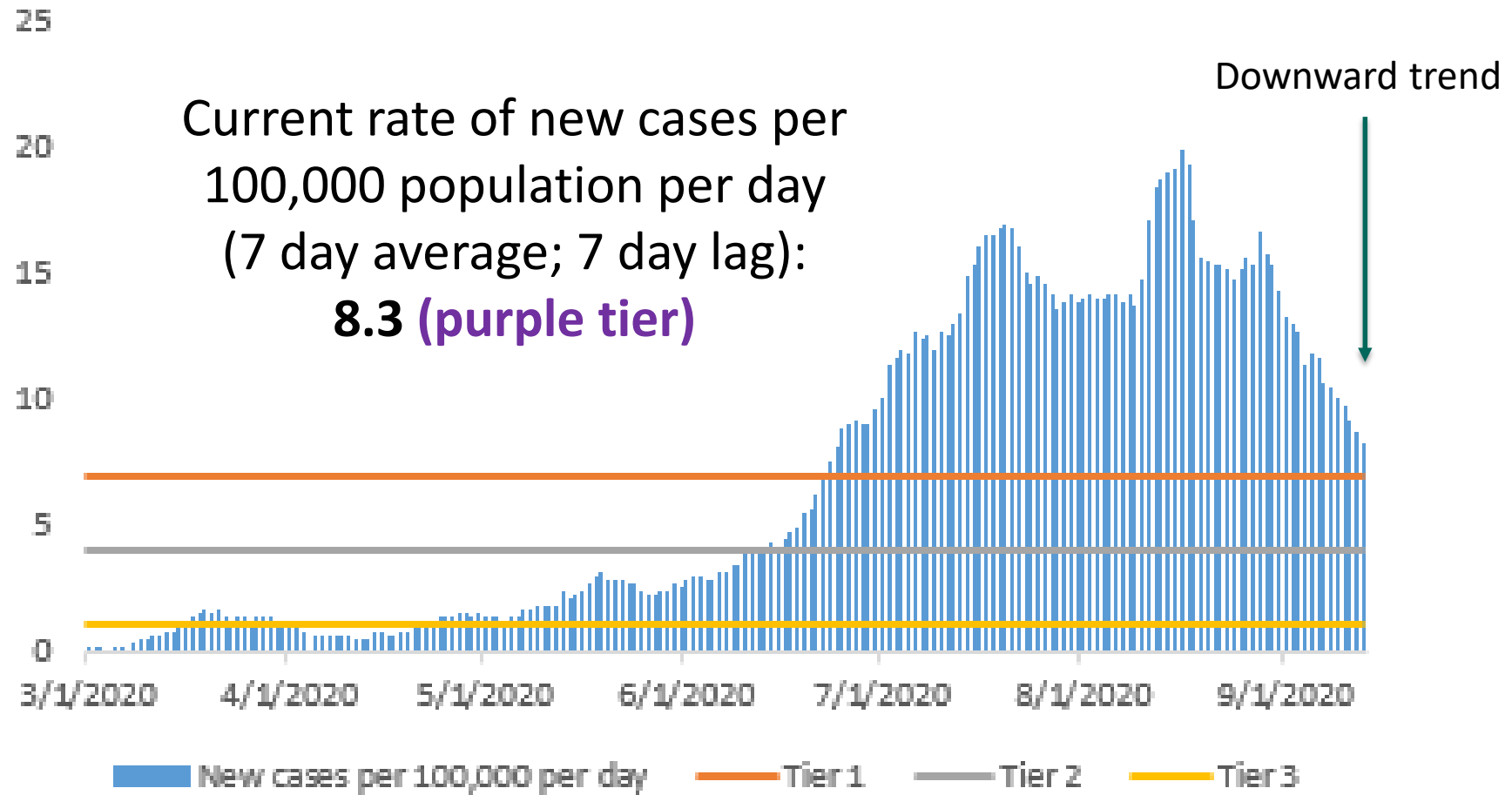
Adjusted case rate for tier assignment

4.6%

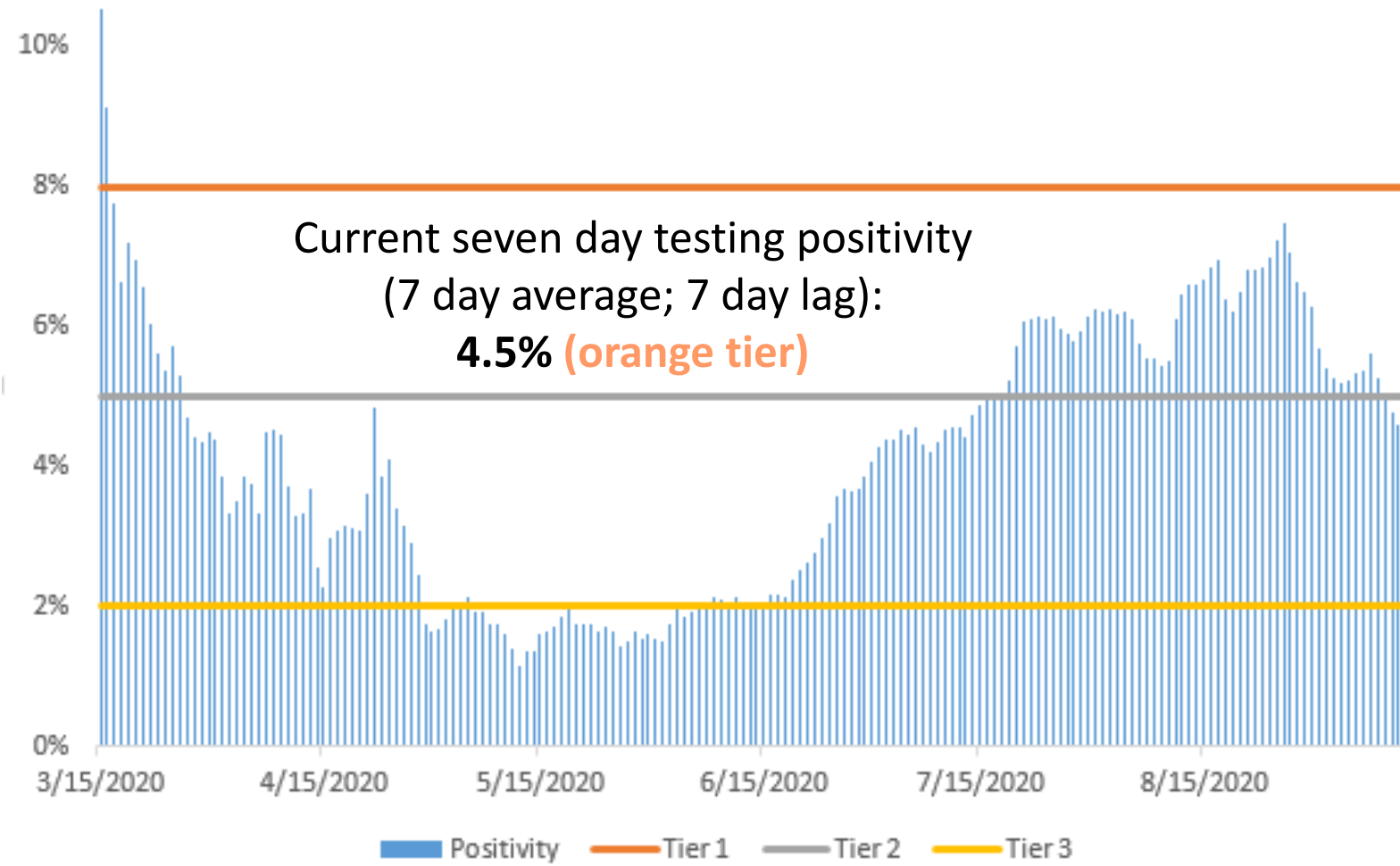
Positivity rate



New Cases per 100,000 Population per Day



Testing Positivity

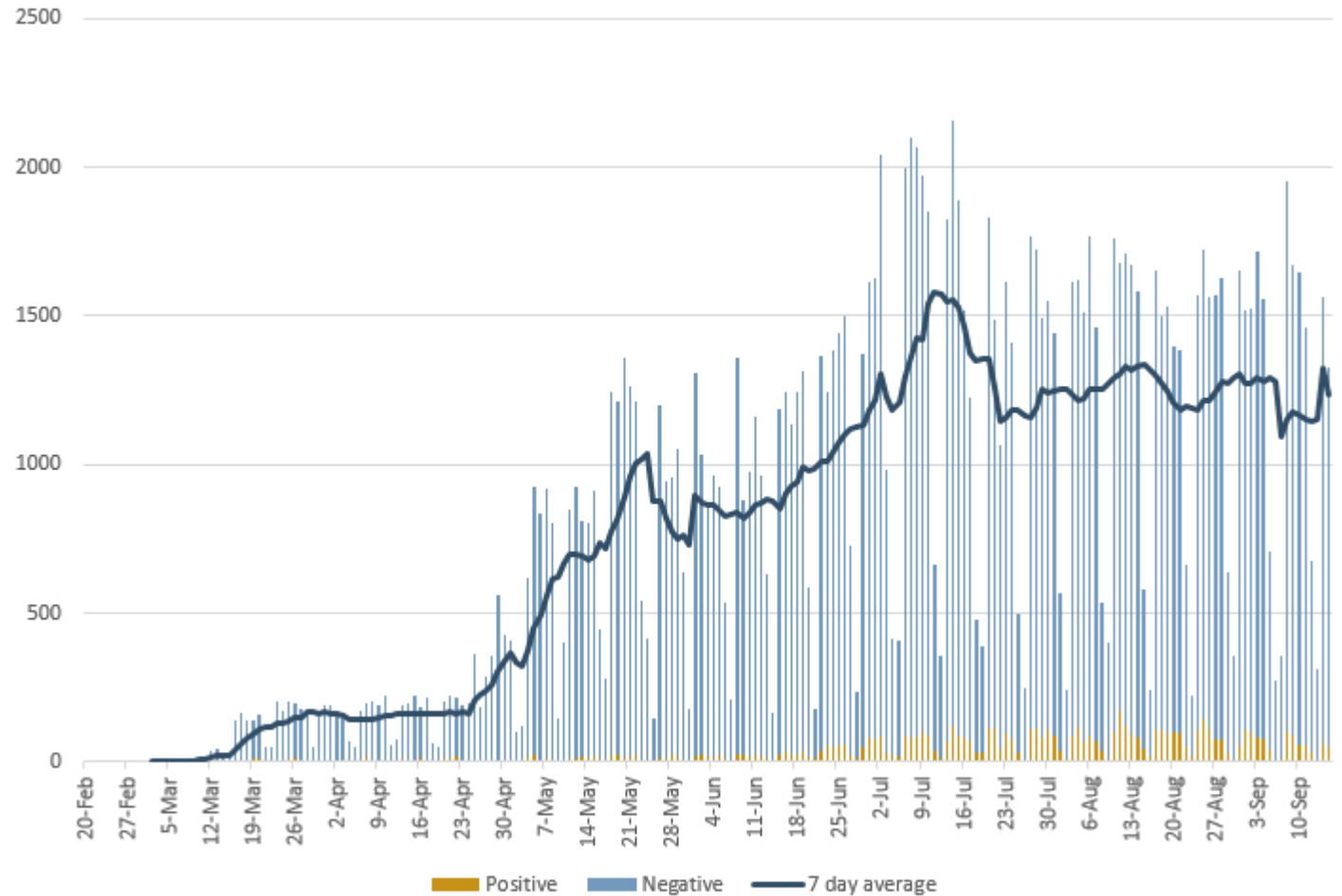


CDPH Health Equity Measure

- A health equity measure will factor into tier placement
- Must reduce disparities in testing positivity between the most and least socioeconomically advantaged regions of the community (as ranked by the Healthy Places Index)
 - Ensure culturally competent and linguistically congruent contact tracing and wrap around services for isolation/quarantine are being provided to its most at risk communities
- More to be released by the State on this measure soon

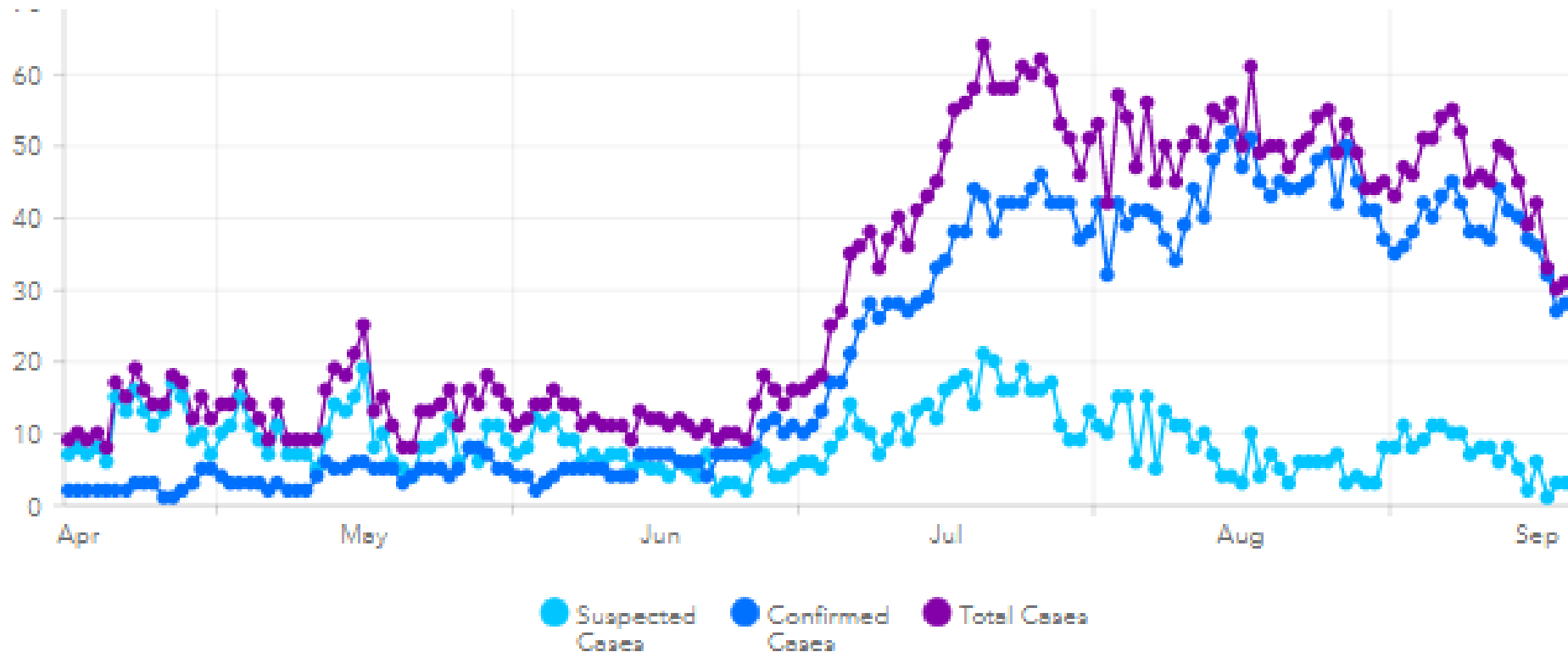
Testing Volume

- Average tests per 100,000 population per day: 233.8



Current COVID-19 Hospitalizations

Hospitalizations are declining, but remain above the State benchmark of no more than 20 hospitalized COVID patients per day



Current Critical Care Capacity

Number of Staffed ICU Beds Available



Sonoma County Status

14.6% ICU beds
available

State Criteria

<20% ICU beds
available indicate limited capacity

Characteristics of COVID-19 Patients Ever Hospitalized (N=372)

- Majority of hospitalizations are among adults over 50
- Equally distributed by gender
- 79% of discharged cases have recovered; 6% are still active
- 27% (100) were ever in the ICU
- 53 hospitalized patients died

	N	%
Total	372	100%
Age		
0-17 years	5	1%
18-49 years	92	25%
50-64 years	109	29%
65+ years	165	44%
Sex		
Male	187	50%
Female	185	50%
Status		
Active	24	6%
Recovered	295	79%
Death	53	14%
Ever in ICU	100	27%

Characteristics of Fatalities (N=115)

- 94 (82%) of the 115 deaths to date are associated with skilled nursing and residential care facilities

COVID-19 fatalities by demographics and underlying conditions, Sonoma County residents as of 9/21/2020

	N	%
Total	115	100%
Age		
18-49 years	2	2%
50-64 years	10	9%
65+ years	103	90%
Sex		
Male	49	43%
Female	66	57%
Underlying conditions		
Unknown	38	33%
Diabetes	19	17%
Cardiovascular disease	16	14%
Chronic lung disease	10	9%
Hypertension	13	11%
Other	15	13%

Skilled Nursing and Residential Care Outbreaks

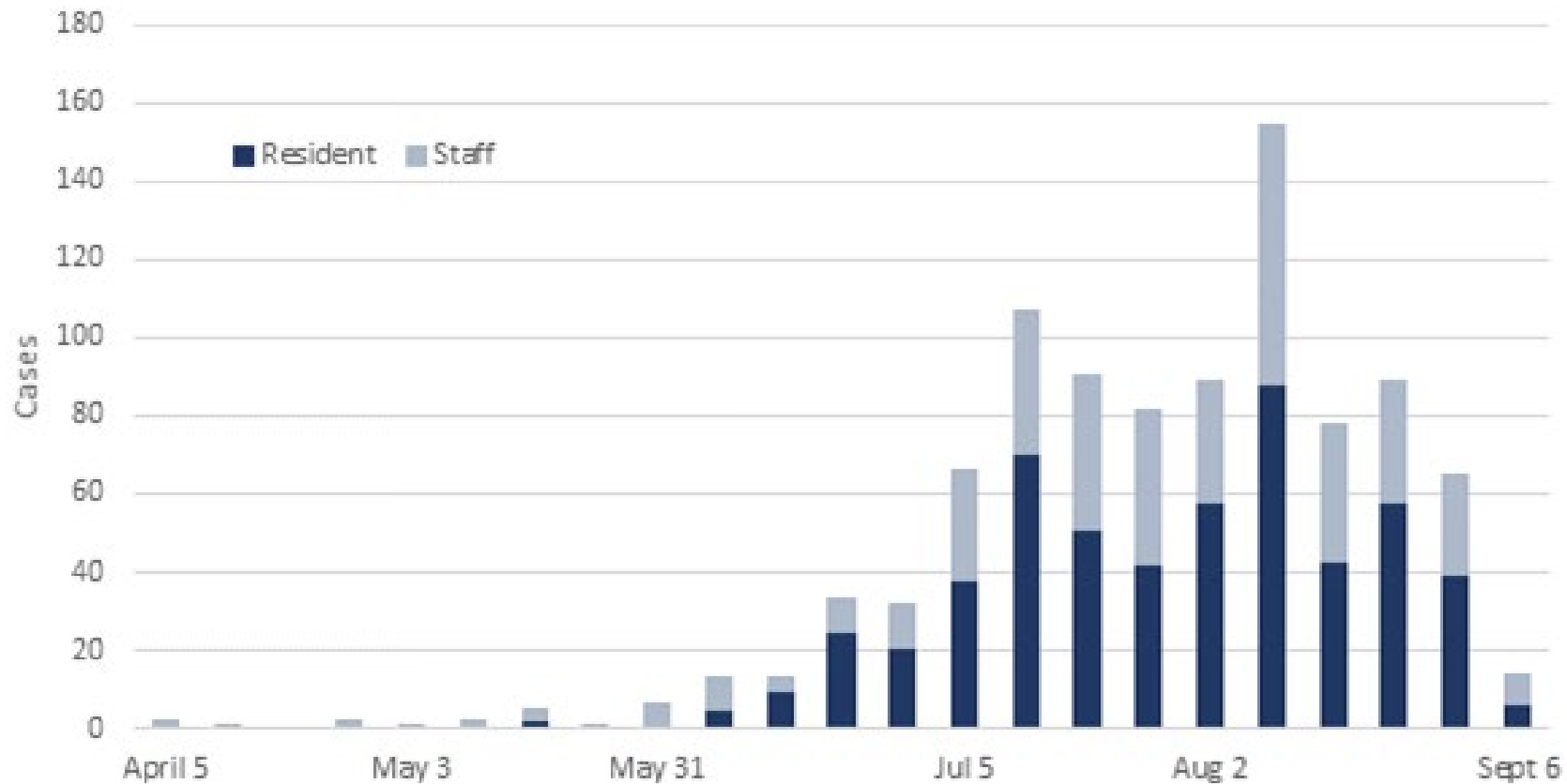
- Overall, there have been 953 resident and staff COVID-19 cases in Sonoma County residential care facilities
- 93 of the 562 residents infected were fatalities (CFR 16.5%)
- The number of new cases has decreased dramatically in the past 2 weeks

COVID-19 cases in Sonoma County senior residential care facilities through 9/17/2020^

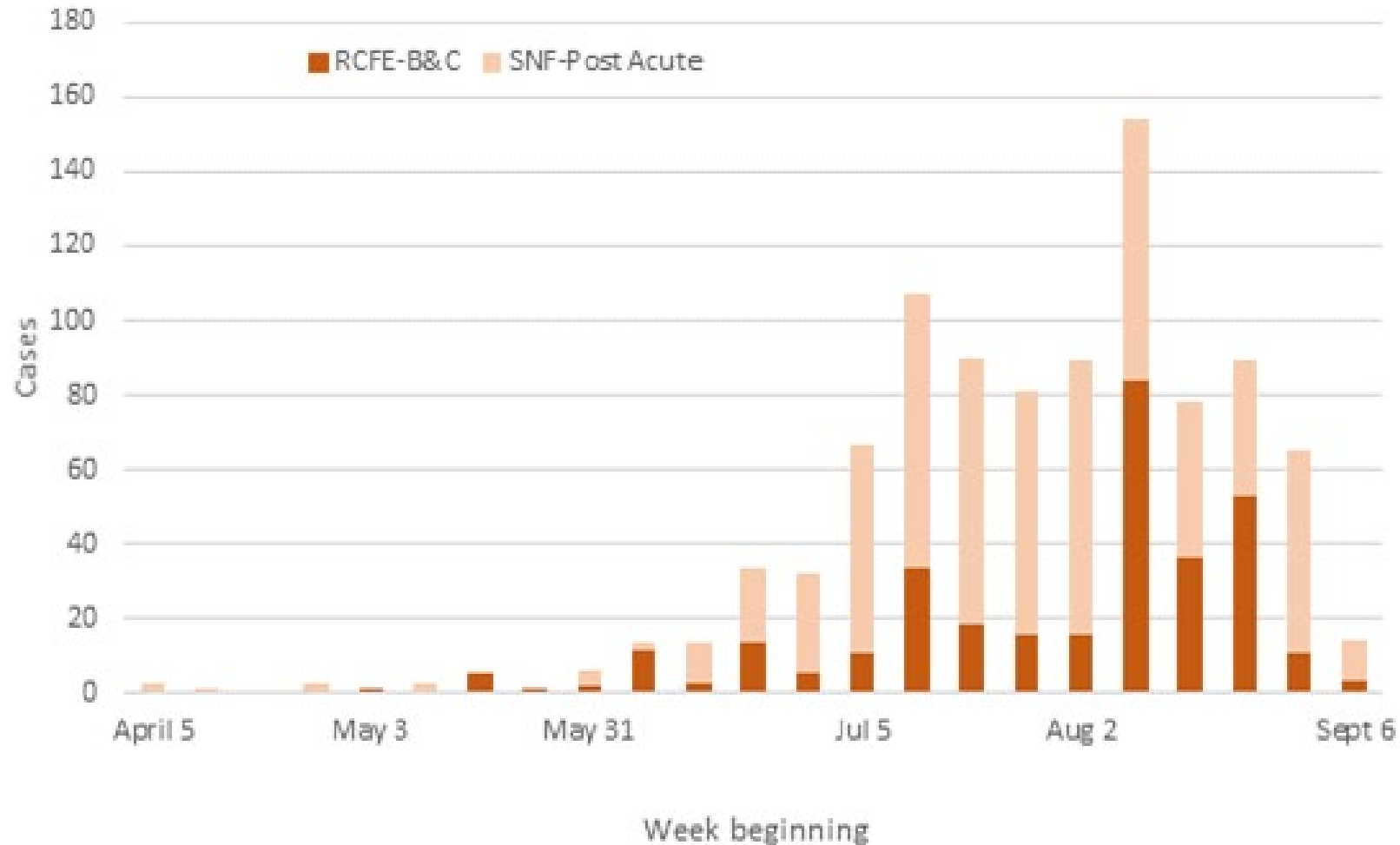
		Staff		Residents		Total	
		N	%	N	%	N	%
Total		391	100%	562	100%	953	100%
	SNF/Post Acute	227	58%	391	70%	618	65%
	Assisted/senior living/board and care	164	42%	171	30%	335	37%

^Date of Lab Report

Cases among SNF/RCFE Staff and Residents



Cases at SNFs and RCFEs by Facility Type



Containment and Prevention Strategies

- To date, the Healthcare Acquired Infections (HAI) Rapid Response Team has completed on-site visits at 7 skilled nursing facilities, and 3 assisted living facilities in the county
 - Educated healthcare personnel on best practice for bed-side care infection control, and facility wide measures to protect residents and staff
- Provided two webinars for the long term care community with current trends and up-to-date information to mitigate Covid-19

Public Health Guidance to Facilities

- **March:**
 - County issued an order to long term care facilities requiring them to have COVID plans and infection control measures. This also restricted visitation.
- **April:**
 - Issued an order requiring...
 - Screening of staff entering congregate care and living facilities for COVID symptoms and temperature.
 - All persons in the facilities to wear a face covering
 - It discouraged staff from working at more than one facility and if they did, it required a change of clothes and shower between shifts.
 - This order also prohibited communal dining and group activities.

Public Health Guidance to Facilities

- **August:**
 - Released guidance on cohorting in SNFs
 - Green, yellow and red zones.
- **September:**
 - Due to feedback on social isolation and talks with Department of Social Services, Ombudsperson and others, County lifted prohibition on communal dining as long as facilities comply with pre-requisite and safety measures specified.

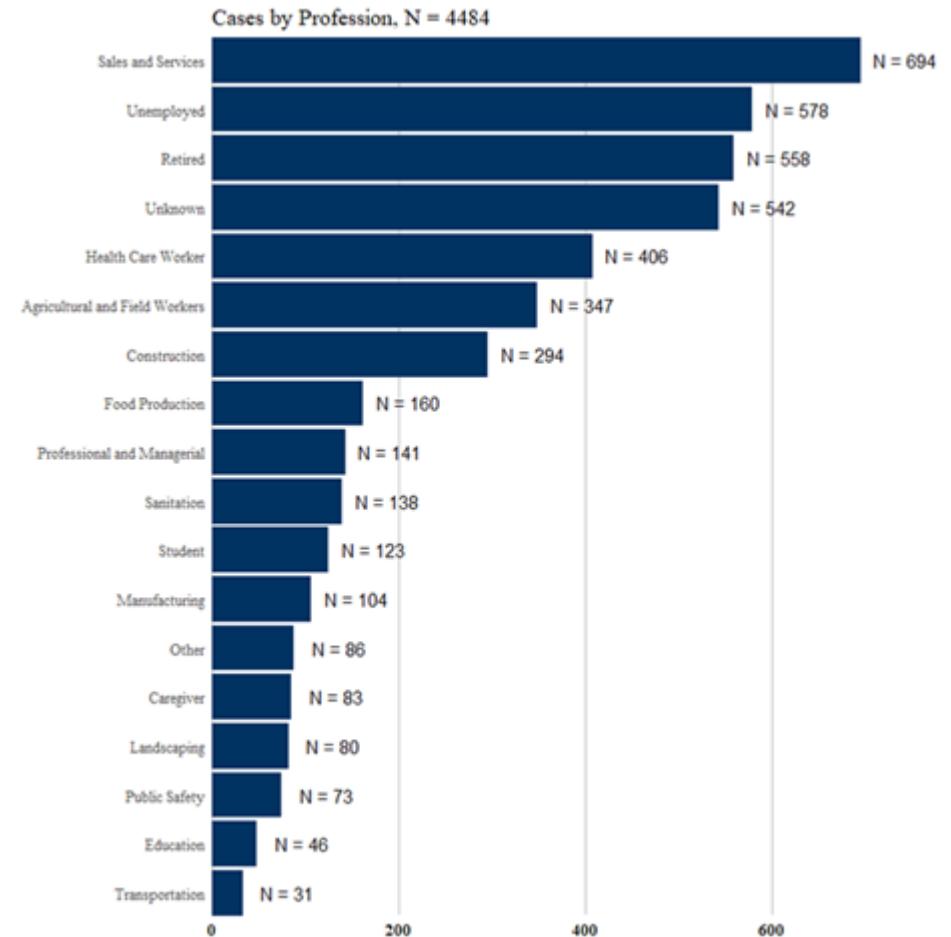
Public Health Guidance to Facilities

In progress:

- Also due to social isolation, County is loosening the restriction on visitation and will be issuing a guidance.

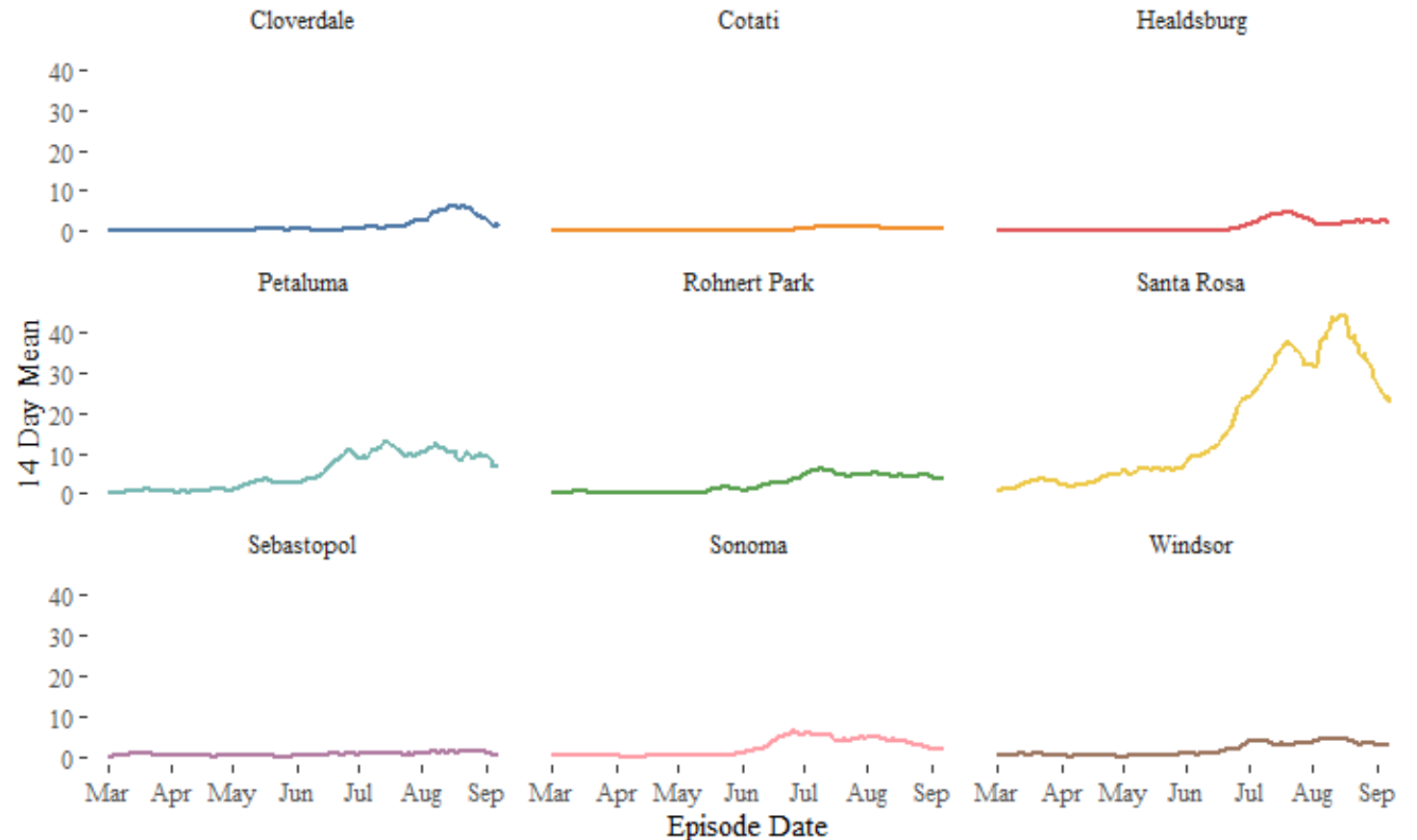
Occupational Trends

- Elevated cases numbers in:
 - Agriculture
 - Construction
 - Health Care
 - Retirees
 - Sales and Services
 - Unemployed
 - Unknowns
- Fields with higher contact rates
 - Agriculture
 - Health Care
 - Sales and Services



Cases by City

- Greatest number of new cases observed in Santa Rosa
- Most other locations seeing stable 14 day mean of new cases



Disparities in Infection Rates

- Disproportionate number of COVID-19 cases in Latinx community
- As compared to non-Latinx cases, Latinx COVID-19 cases are:
 - younger (86% are under 50)
 - more often due to close contact transmission
 - more often show no symptoms
 - less likely to have an underlying condition or be hospitalized

Sonoma County Cases by Race/Ethnicity

Race/Ethnicity	Number of Cases	Percent of Cases	Percent of Population
Hispanic/Latino	3,727	54%	25.6%
White, non-Hispanic	1,088	16%	64.2%
Asian/Pacific Islander, non-Hispanic	137	2%	5.2%
Black/African American, non-Hispanic	55	1%	1.7%
Multi-Race	76	1%	2.3%
Other	102	1%	
Unknown	1,689	25%	

Most Common Employment Sectors of COVID Positive Individuals, by Race/Ethnicity

Latinx (n=2,144)	White, Non-Hispanic (n=766)
Services and sales (18%)	Not working/Retired (40%)
Agriculture and farm work (14%)	Services and sales (16%)
Unemployed (12%)	Health care (11%)
Health care (10%)	Professional and managerial (8%)
Construction and related trades (9%)	Unemployed (7%)

Agriculture and Farmworker case info

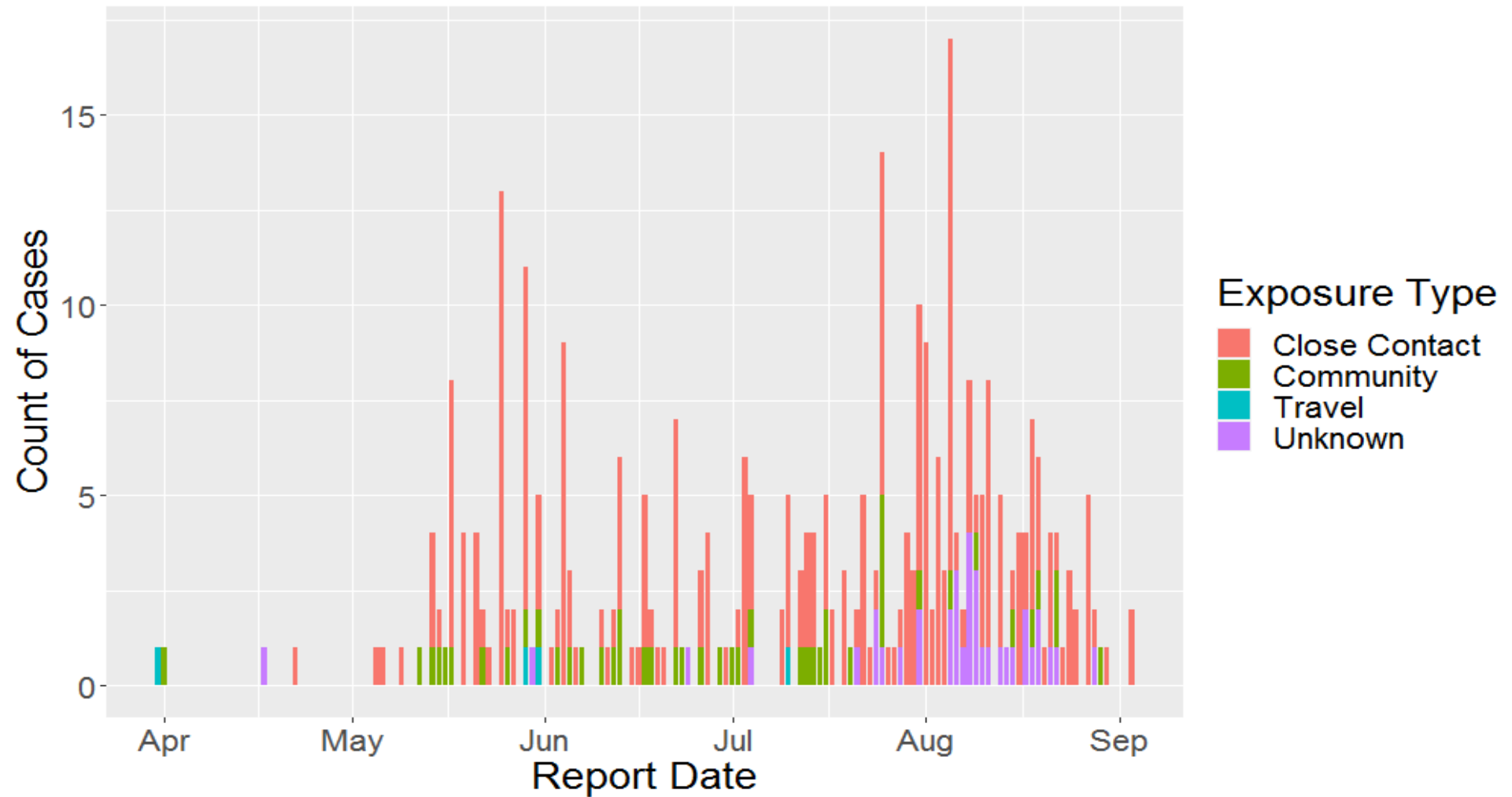
5,050 cases of COVID-19 with employment information in Sonoma County as of 11 September

- 340 (6.7%) described working in the Agriculture and Farm Work sector (report date March 31st- September 3rd).
 - Field workers – 188 (55 %)
 - Unknown/did not disclose– 97 (29 %)
 - Bottling/warehouse/packaging– 21 (6 %)
 - Owner/Manager/Supervisor/Foreman – 12 (4 %)
 - Egg collector, Contractor, Machine operator, Sales and services, Grape room, Factory worker, Handyman, Inventory, Cleaning/janitorial, Horse care – < 5

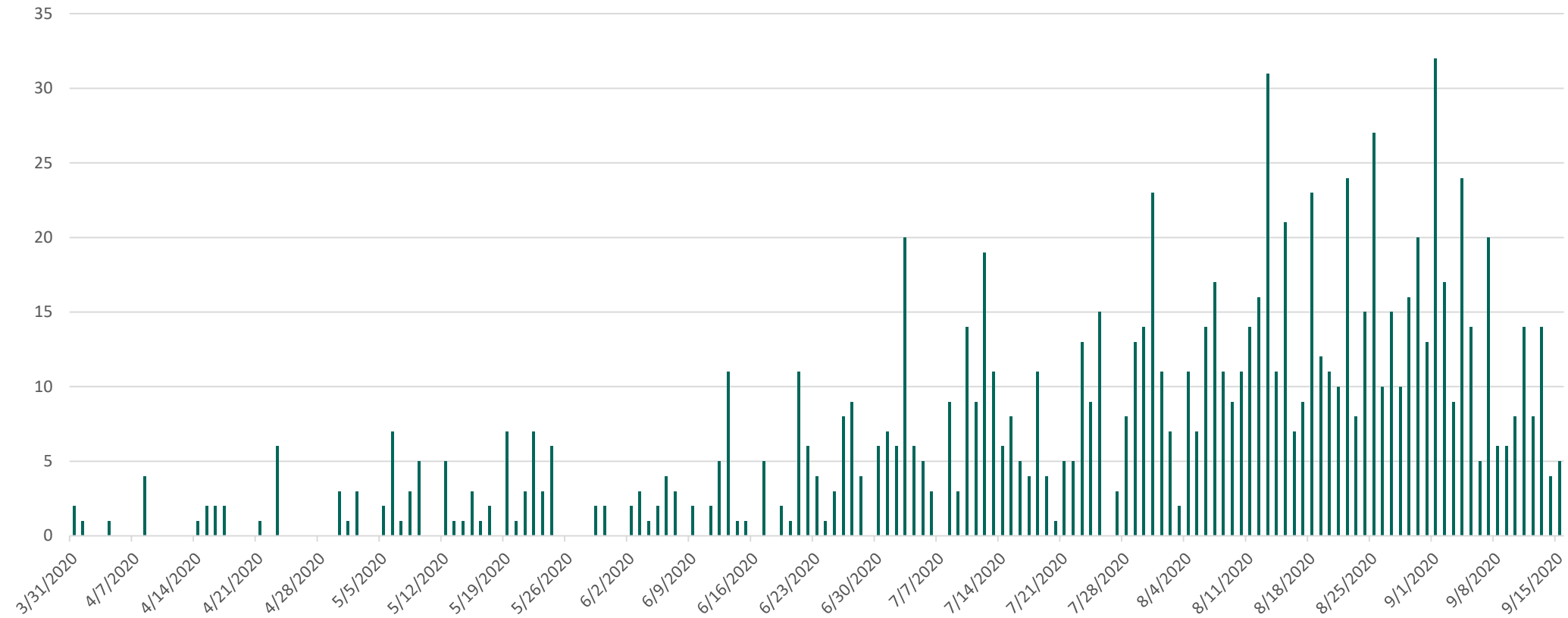
Clusters and Exposure

- A total of 88 unique Vineyard/Wineries/Ranches were noted as place of work
 - 97 (29%) participants did not mention place of work
- 12 clusters with 5 or more positive cases
 - Range: 5-38 confirmed cases
 - Average = 11
 - Median = 7.5
- 107 (31%) noted workplace as confirmed or likely place of exposure
- Analysis does not include winery/tasting room customers who noted “winery” as place of exposure

Agriculture Case Timeline



Child Cases (0-17) by Report Date



School and Child Care Outbreaks

- **15** schools and child care facilities with known cases
- **3** clusters of ≥ 5 cases
 - 1 cluster of 30+ cases is ongoing
- **Total = 66 cases**
 - 27 students
 - 10 staff
 - 29 parents/siblings
- **Locations**
 - North county – 2 facilities
 - Central county- 9 facilities
 - East county – 2 facilities
 - South county – 2 facilities
- Exposures occurred on-site

Type	No. of facilities	Students	Staff	Family members
Early care and learning center	6	21	5	11
Elementary school	3	0	2	1
Family Child Care Home	6	6	3	17
Total	15	27	10	29

Cluster 1

- Early care and learning center in North County
- 30 cases (as of September 15th)
 - 16 students (index)
 - 3 staff
 - 11 parents/siblings
- Outbreak ongoing; at least 11 contacts pending
- Facility closed for 2-week period on 9/3

Cluster 2

- Family child care home in Central County
- 9 cases
 - 2 students
 - 1 staff (index)
 - 6 parents/siblings
- Cases closed, quarantine completed

Cluster 3

- Family child care home in Central County
- 10 cases
 - 3 students
 - 1 staff (index)
 - 6 parents/siblings
- Facility closed 8/14
- Cases closed, quarantine completed

School and Child Care Outbreaks

- In addition to the 3 clusters, there are 12 other facilities <5 cases reporting **possible exposure on campus.**
- An additional 9 facilities (elementary/middle/high schools) have been mentioned in case investigations
 - Central county – 3 facilities
 - North county – 5 facilities
 - South county – 1 facility
- These schools are **currently remote** but have a total of 18 students, 2 staff, and 16 family members with confirmed cases; **represents potential exposures if schools were to reopen**
- 381 cases age 0-17 that are still under investigation by PH/Epi team (potential school-related cases not yet identified)

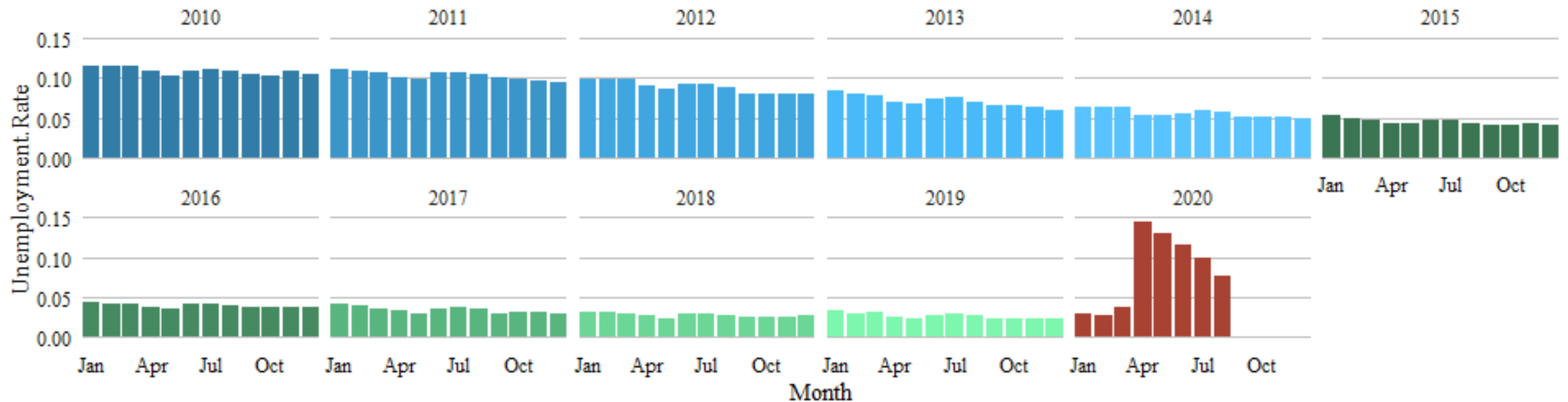
Influenza

- In preparation for Influenza season during the COVID-19 response, the County will:
 - Reissue the 2019 health order that requires health care workers to receive a flu shot, and if they decline, to wear a mask for the duration of the influenza season while working in patient care areas.
 - Encourage the public to get the flu shot through a communication campaign
 - Increase accessibility by offering flu shots on designated days through the Chanate Drive Thru

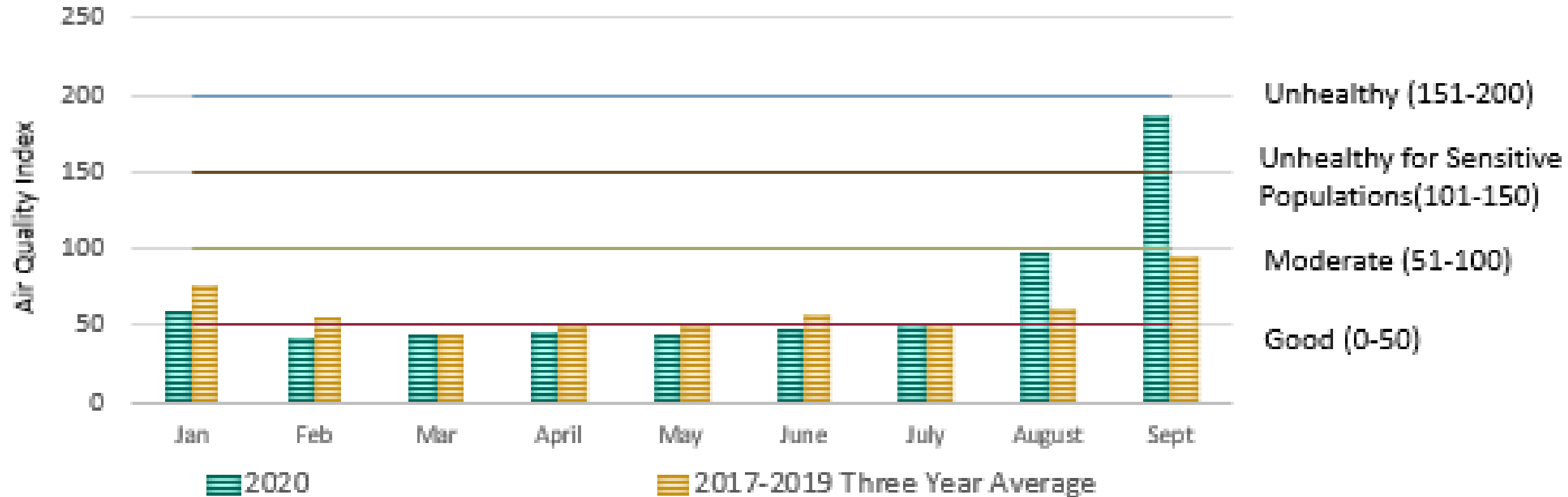
Community Health Indicators

- COVID -19 and Shelter in Place impacts on:
 - Economy
 - Environment
 - Physical Health
 - Mental Health and Wellbeing

Unemployment Rates in Sonoma County



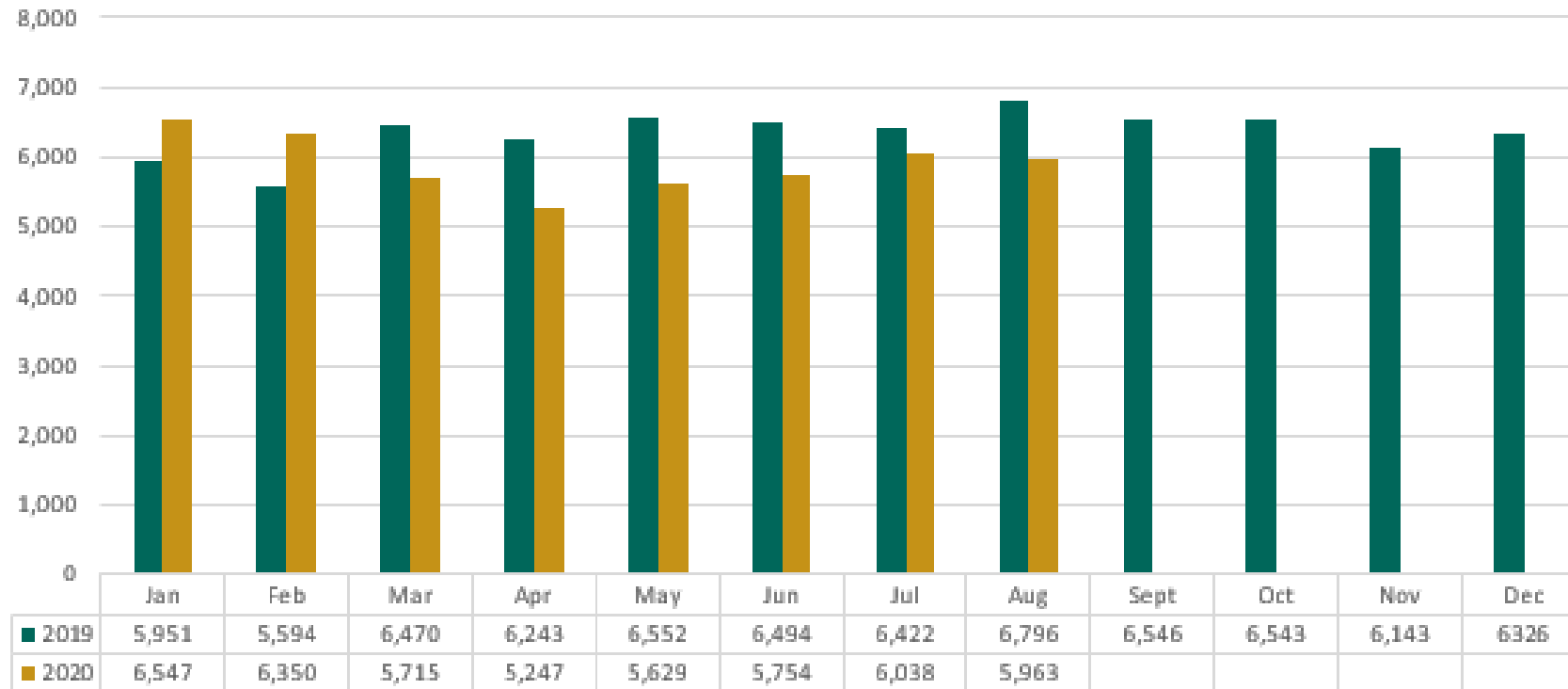
Air Quality



Source::Bay Area Air Quality Management District

911 Call Volume by Month, 2019-2020

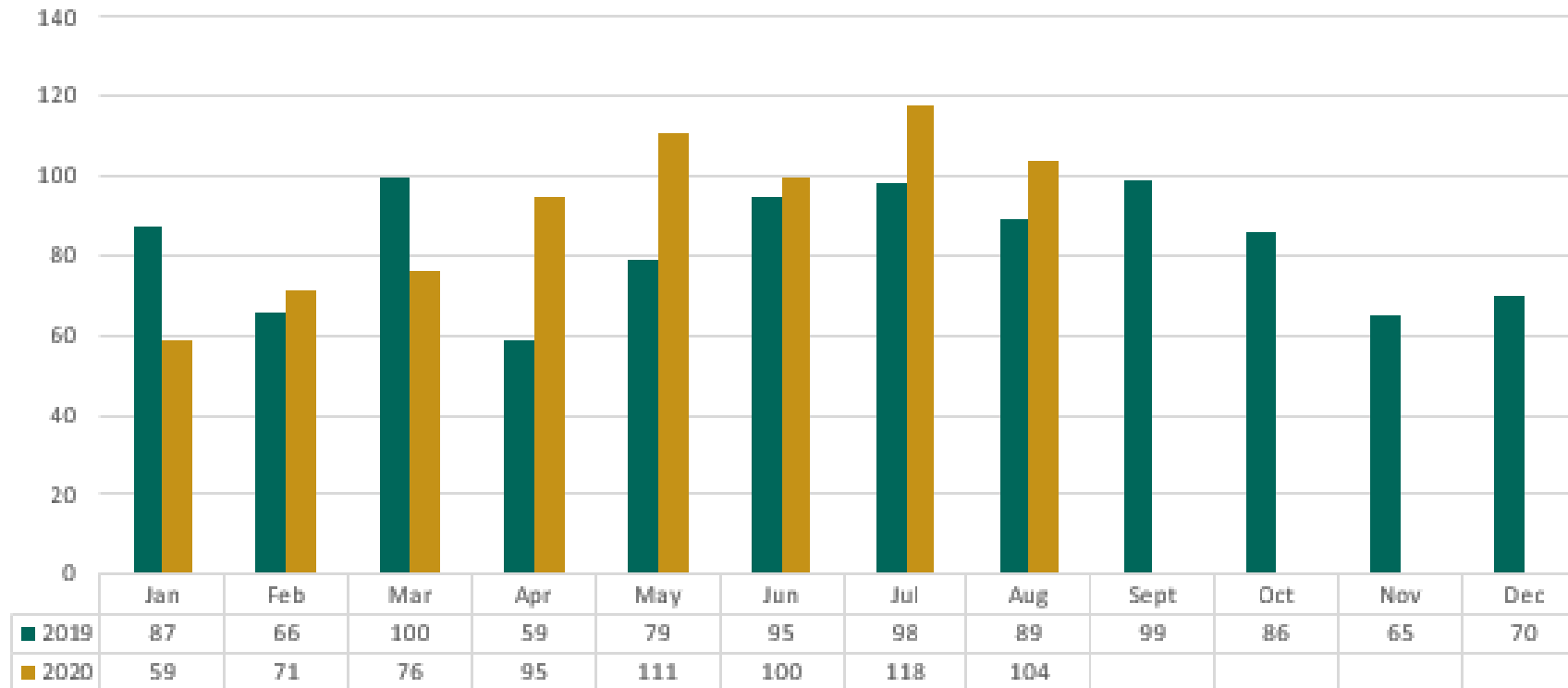
911 Response



Limited to: 911 Response, CY 2019-2020, Sonoma County

911 Response for Overdose, 2019-2020

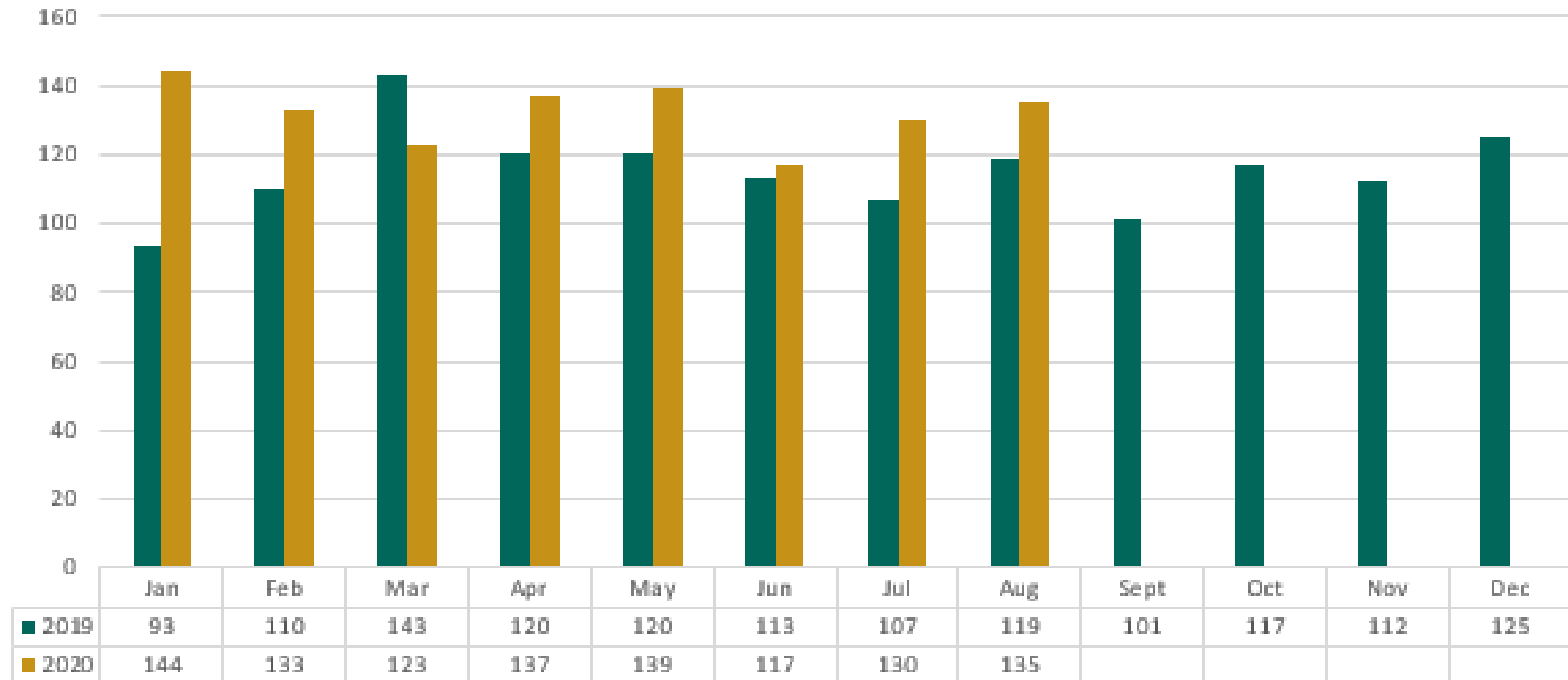
EMS response with patient contact



Limited to: 911 Response, CY 2019-2020, Sonoma County, Primary impression of Overdose/Poisoning/Ingestion with patient contact

911 Response for Cardiovascular Events, 2019-2020

EMS response with patient contact

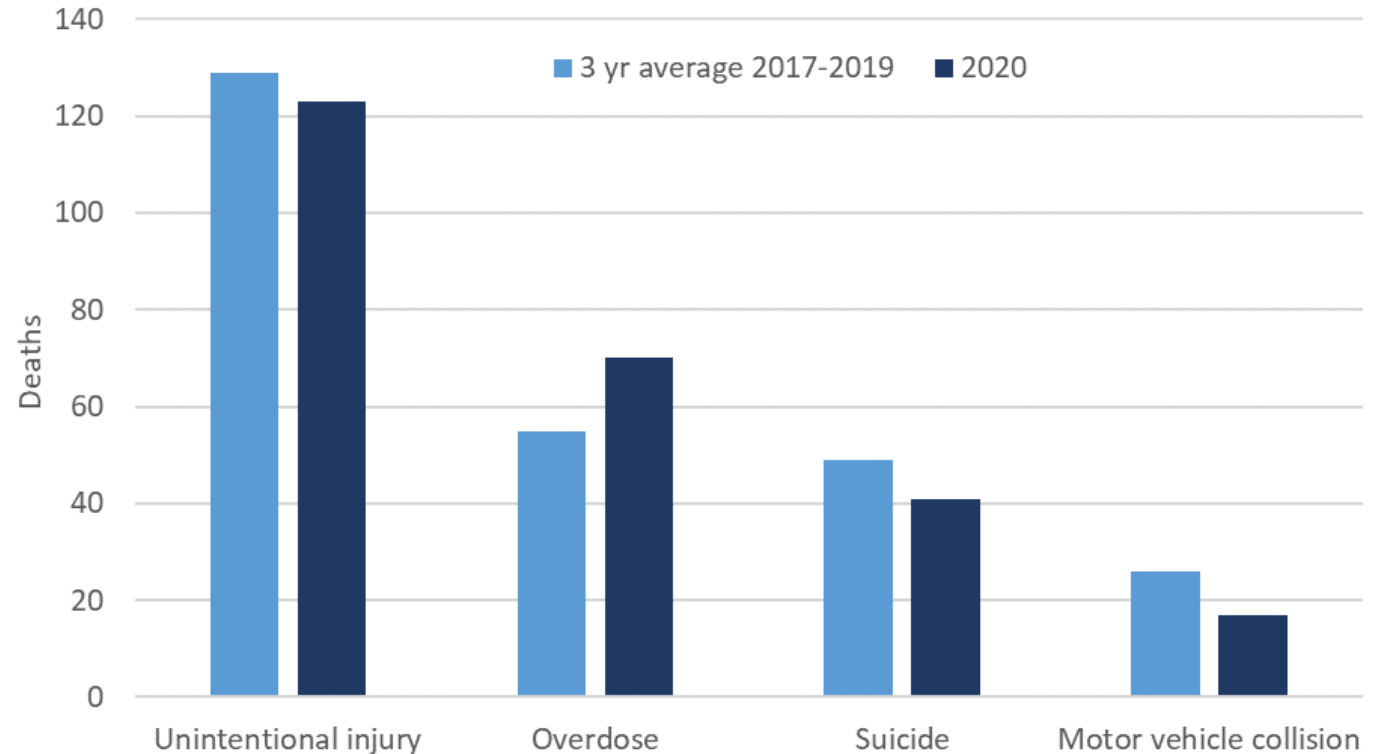


Limited to: 911 Response, CY 2019-2020, Sonoma County, Primary impression of Cardiac Arrest, Cardiac – STEMI, Stroke/CVA with patient contact

Cause of Death

January – August, 2017-2019 3 year average and 2020

- As compared to the same time period in years prior...
 - Deaths from unintentional injuries down 5%
 - Deaths from overdose (both intentional and unintentional) up 27%
 - Deaths from suicide down 16%
 - Deaths from motor vehicle collisions down 35%

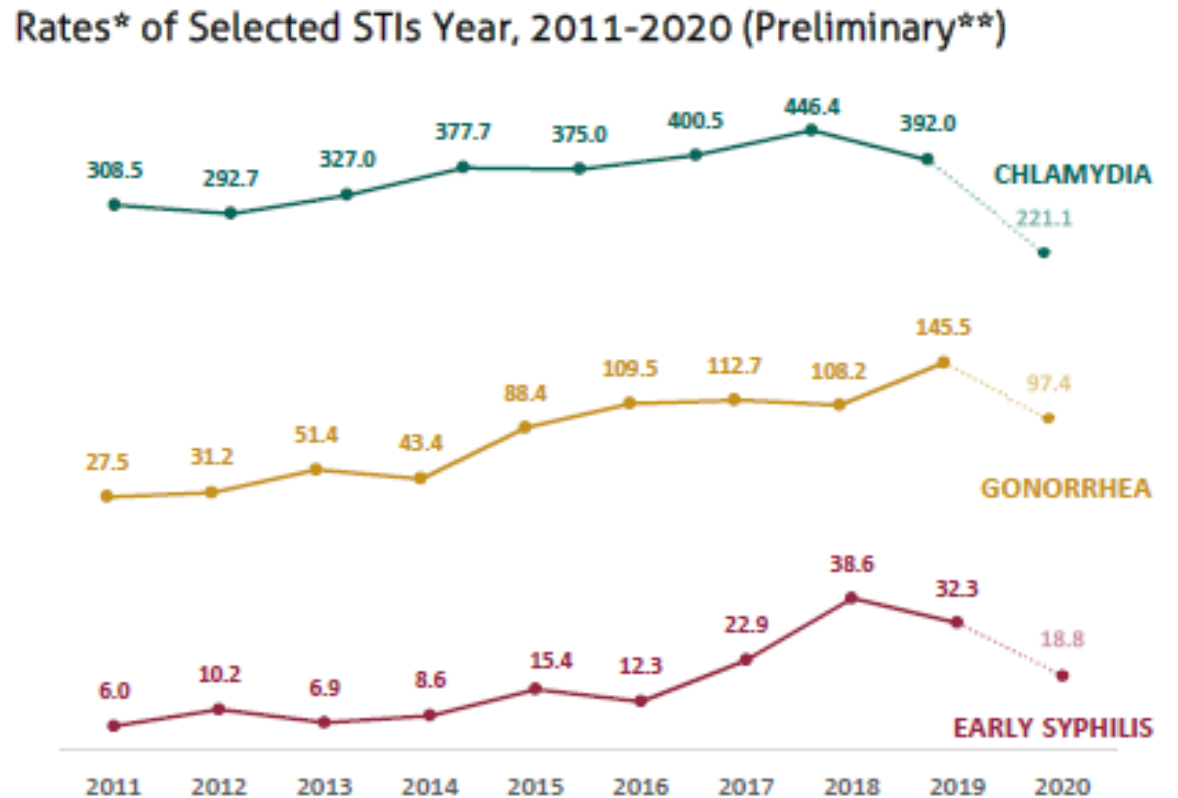


Overdose deaths include intentional and unintentional

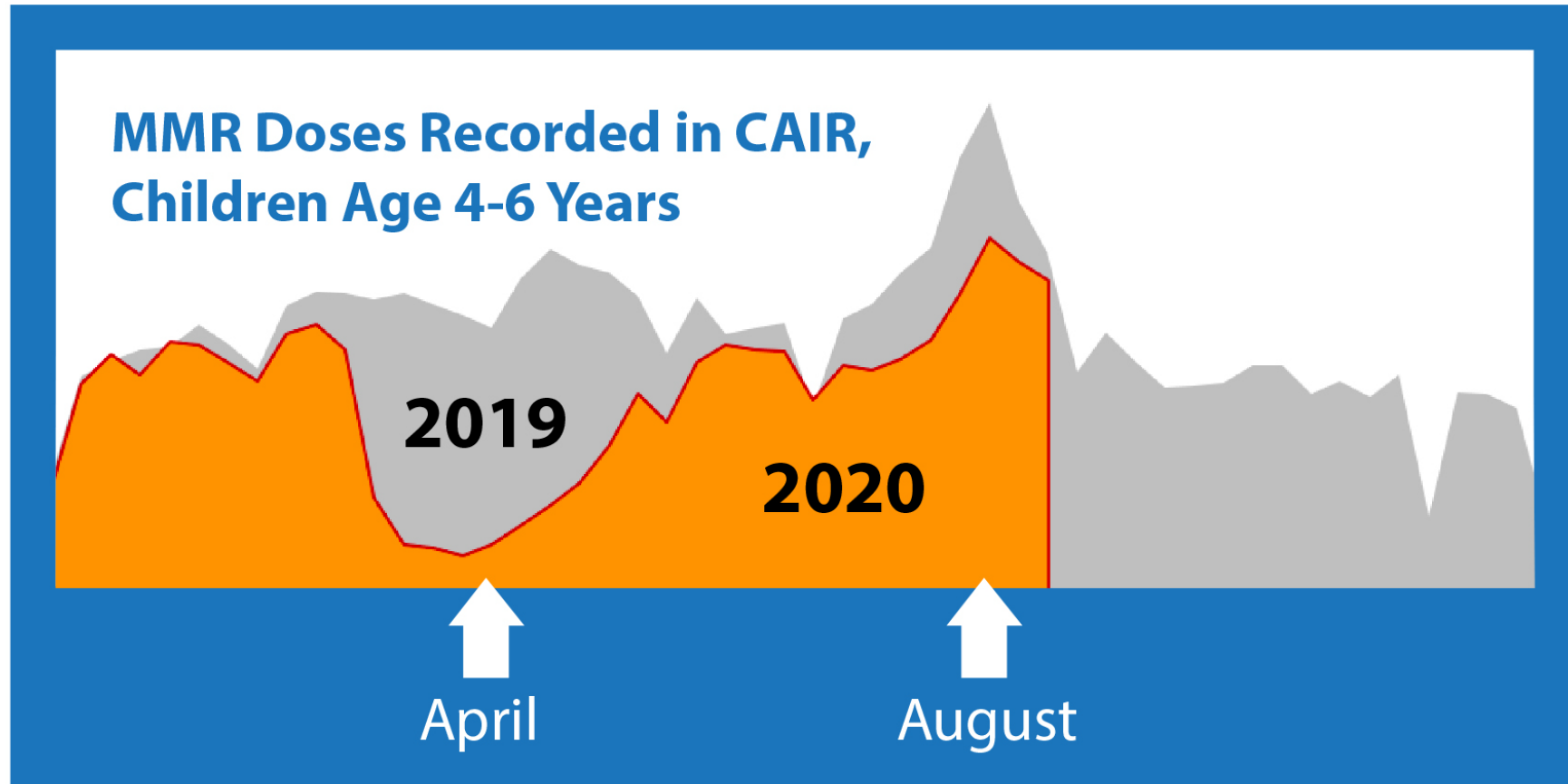
Source: CDPH CA Comprehensive Death File, Accessed 9/20/2020; Data are preliminary

Sexually Transmitted Infections (STIs)

- Sonoma County STI cases show a decline from 2019
- However, case numbers remain high and are likely an underrepresentation
- CDC reports testing for STIs plummeted during the pandemic and estimates that many STIs have gone undetected as a result.



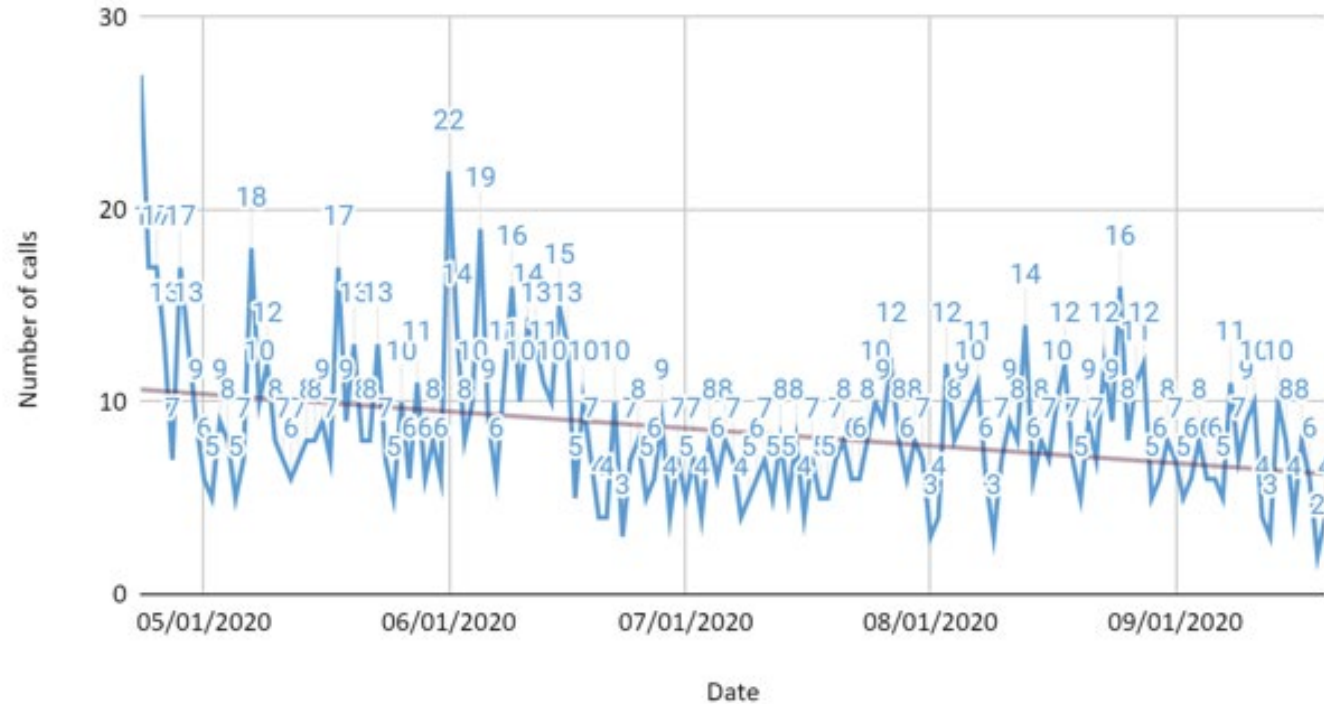
Delayed Immunizations During the Pandemic



Data from the California Immunization Registry

Behavioral Health Warm Line

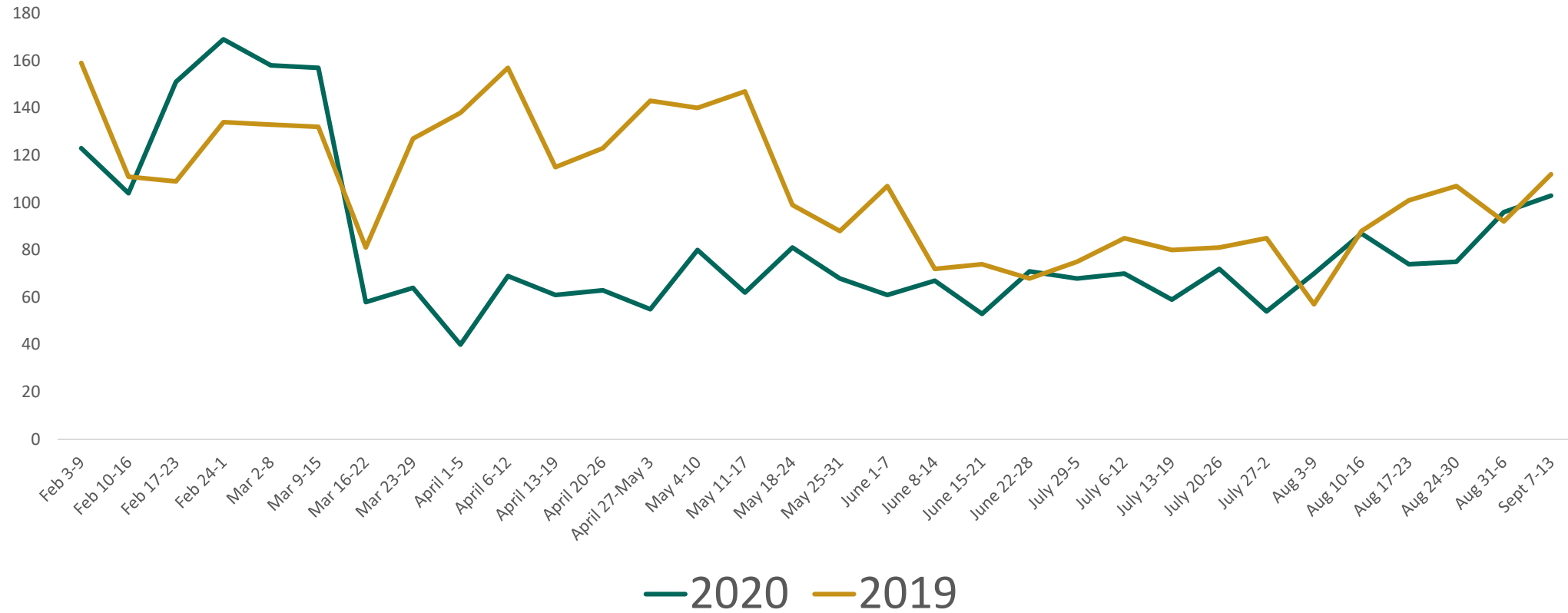
DHS DOC Warm Line Call Volume Since Inception: 1277 Total Calls



Top 5 reasons for calls:

Anxiety	25.9%
Resource needs	22.2%
Loneliness	18.5%
Other	18.5%
Overwhelm	11.1%

Child Maltreatment Allegations



Questions