Road Map to Reopening

September 1, 2020

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Health Updates

- State Data Monitoring Updates
  - Blueprint for a Safer Economy
- Modeling Data
- Local COVID-19 Data Tracking
- Disparities in Infection Rates by Race/Ethnicity
- Case trends
- ACS/NCS Updates
- Community Health

Blueprint for a Safer Economy

- On August 28th, Governor Newsom introduced the *Blueprint for a Safer Economy,* a new four tier structure for reducing COVID-19 with revised criteria for loosening and tightening restrictions on activities.

- This framework replaces the former County Data Monitoring criteria

Four Tiers

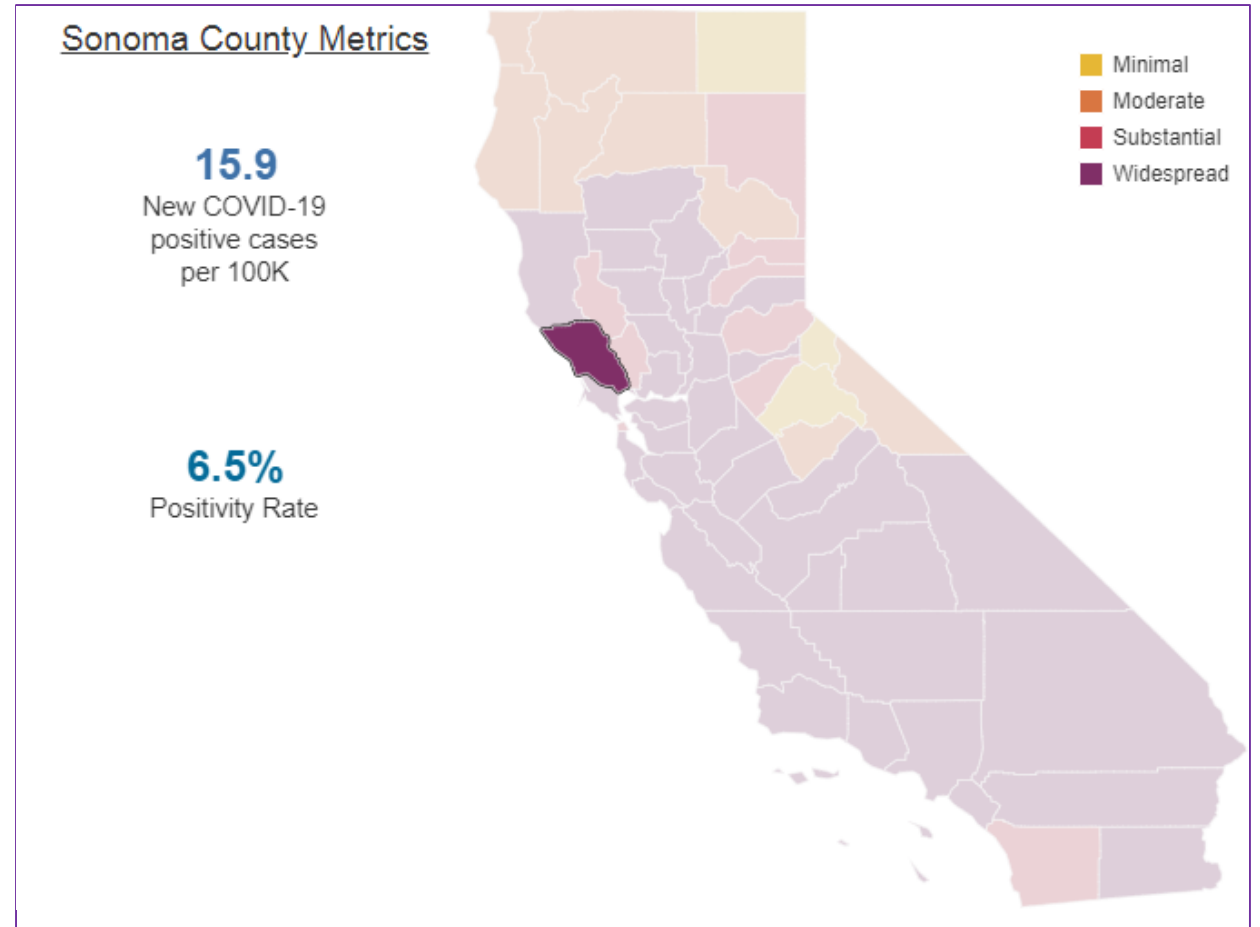| Measures*	Widespread Tier 1	Substantial Tier 2	Moderate Tier 3	Minimal Tier 4
	Higher Risk → Lower Risk of Community Disease Transmission			
New cases**/100,000 population per day (7 day average; 7 day lag)	>7	4-7	1-3.9	<1
Testing % Positivity (7 day average; 7 day lag)	> 8%	5-8%	2-4.9%	<2%

Description of Tiers

- Tier 1: Widespread
  - many non-essential business operations are closed.
- Tier 2: Substantial
  - some non-essential business operations are closed.
- Tier 3: Moderate
  - some indoor business operations are open with modifications.
- Tier 4:Minimal
  - most indoor business operations are open with modifications.

Tier Assignment Process

- Every county in California is assigned to a tier based on its rate of new cases and positivity.

- At a minimum, counties must remain in a tier for at least 3 weeks before moving forward. Data is reviewed weekly and tiers are updated on Tuesdays.

- To move forward, a county must meet the next tier's criteria for two consecutive weeks. If a county's metrics worsen for two consecutive weeks, it will be assigned a more restrictive tier.

- The State plans to introduce an equity measure that will also factor into tier placement.
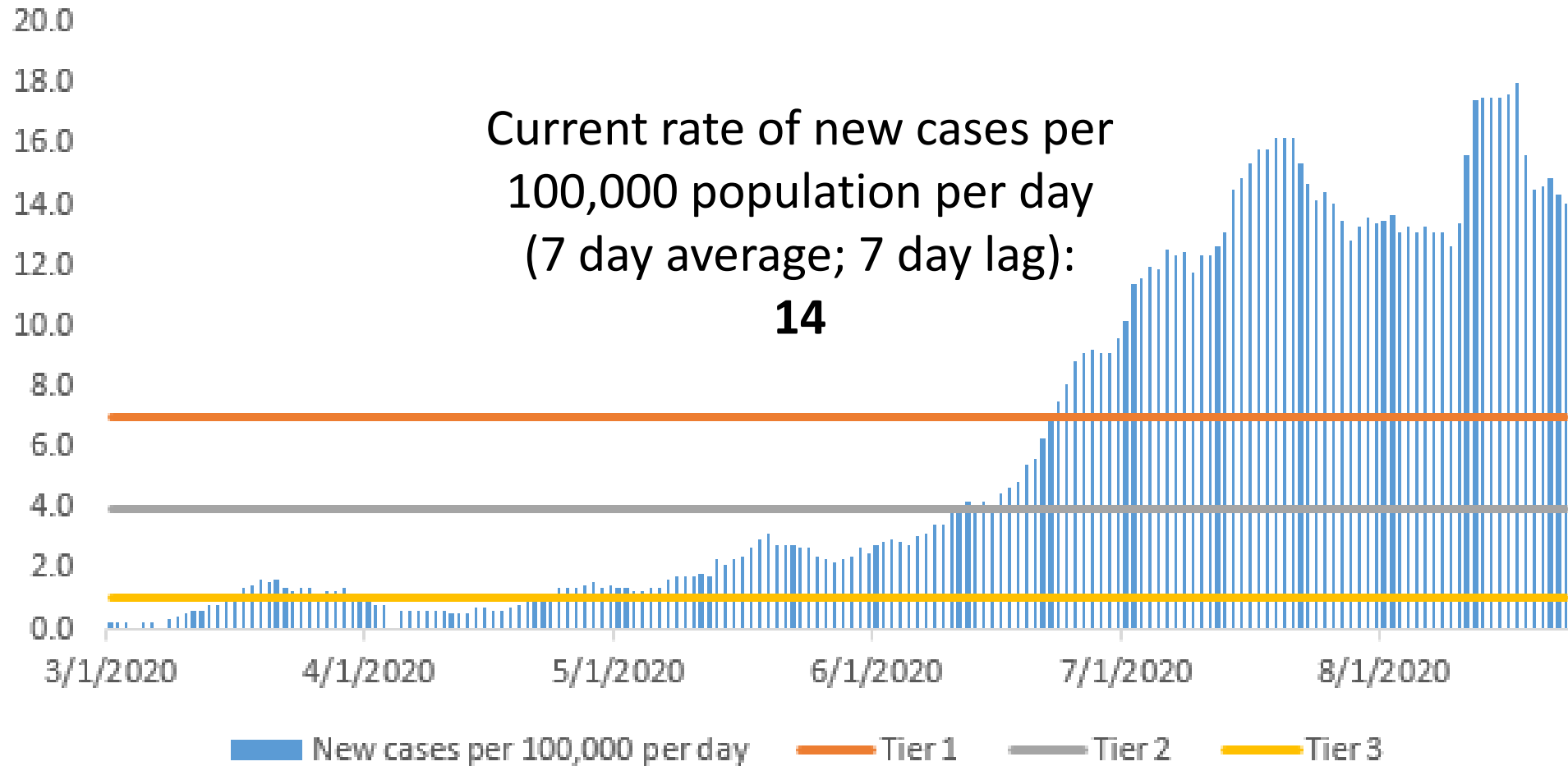
Sonoma County's Status

- Sonoma County joins 38 other counties on the most restrictive tier, Tier 1: Widespread

Sonoma County Metrics

15.9 New COVID-19 positive cases per 100K

6.5% Positivity Rate

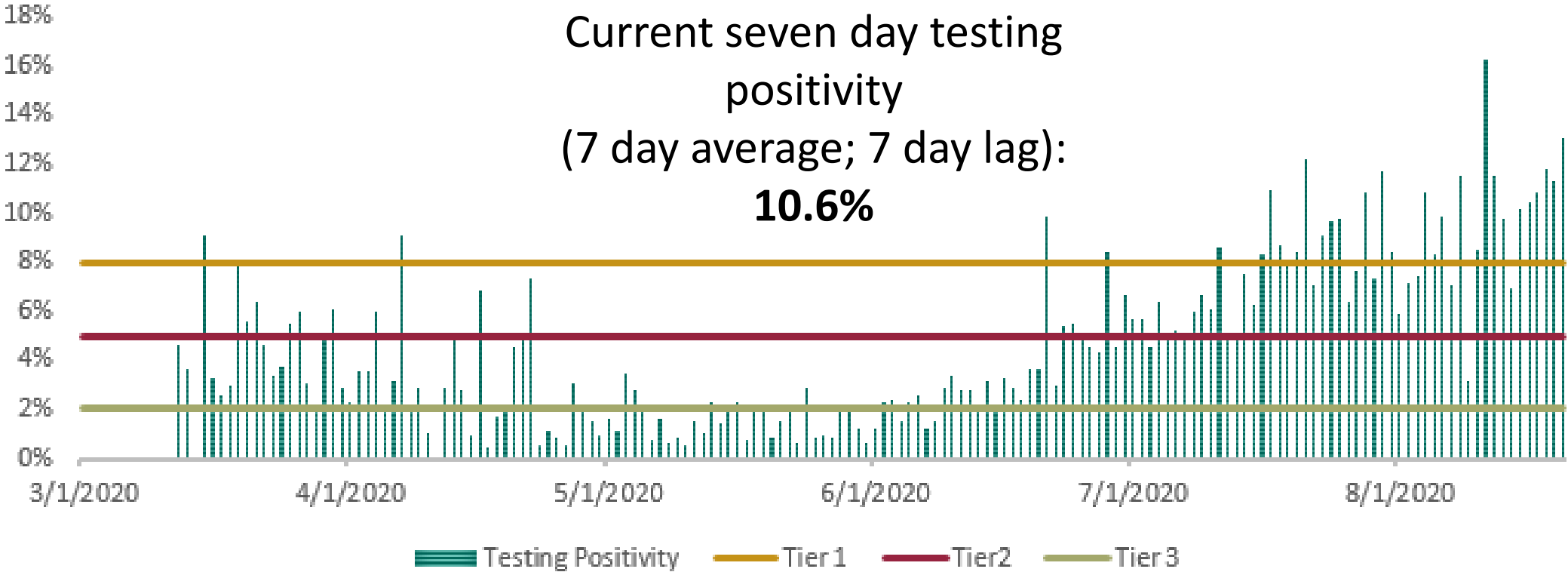Minimal
Moderate
Substantial
Widespread

Implications for Local Businesses and Schools

- Indoor barbershops, hair salons and malls may re-open with safety modifications

- Schools in counties within Tier 1 are not permitted to reopen for in-person instruction, with an exception for waivers granted by local health departments for TK-6.

- A listing of all activities permitted by tier can be found at: https://covid19.ca.gov/safer-economy/

New Cases per 100,000 Population per Day

Current rate of new cases per
100,000 population per day
(7 day average; 7 day lag):
14

Testing Positivity

Current seven day testing
positivity
(7 day average; 7 day lag):
10.6%
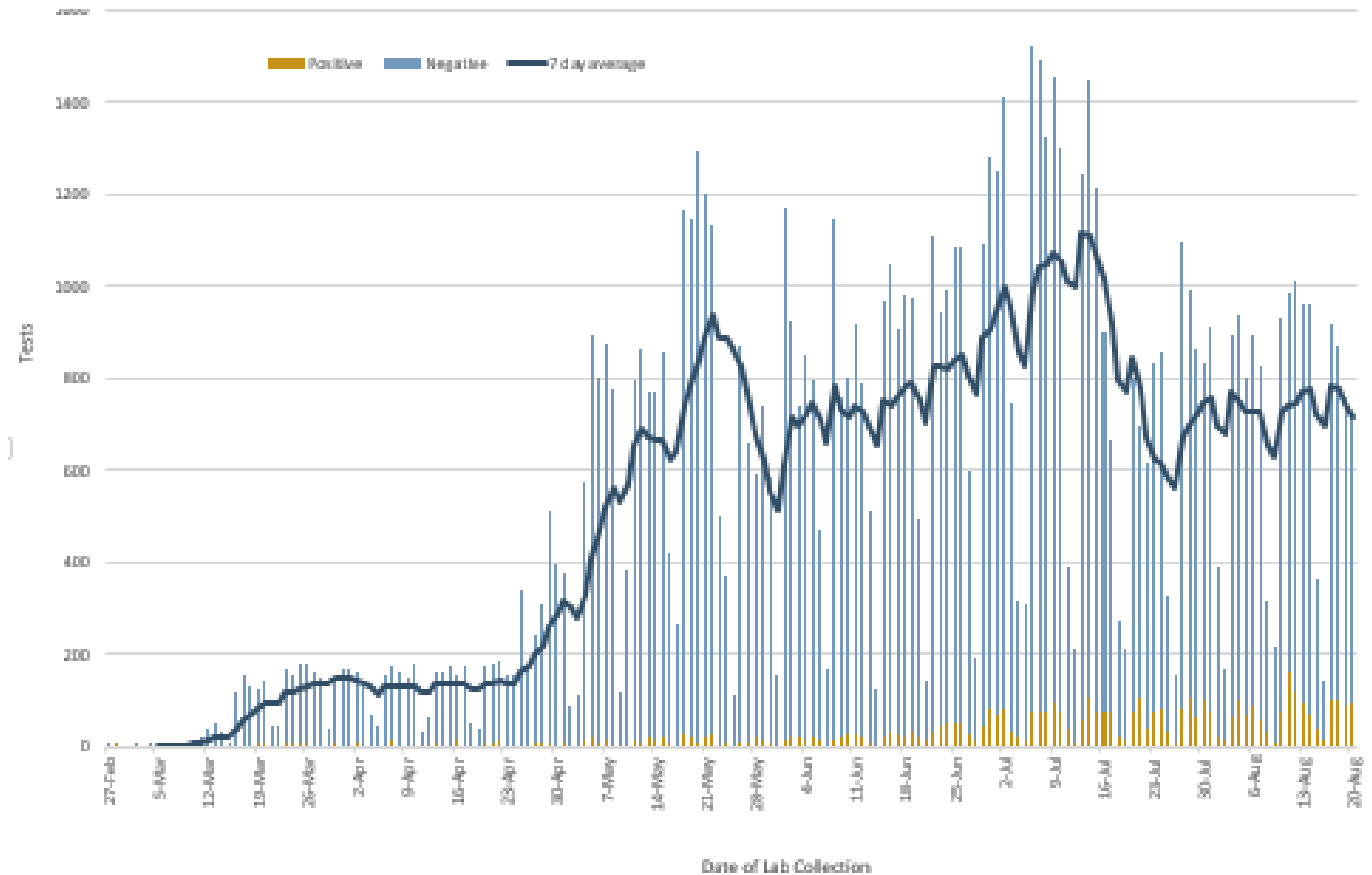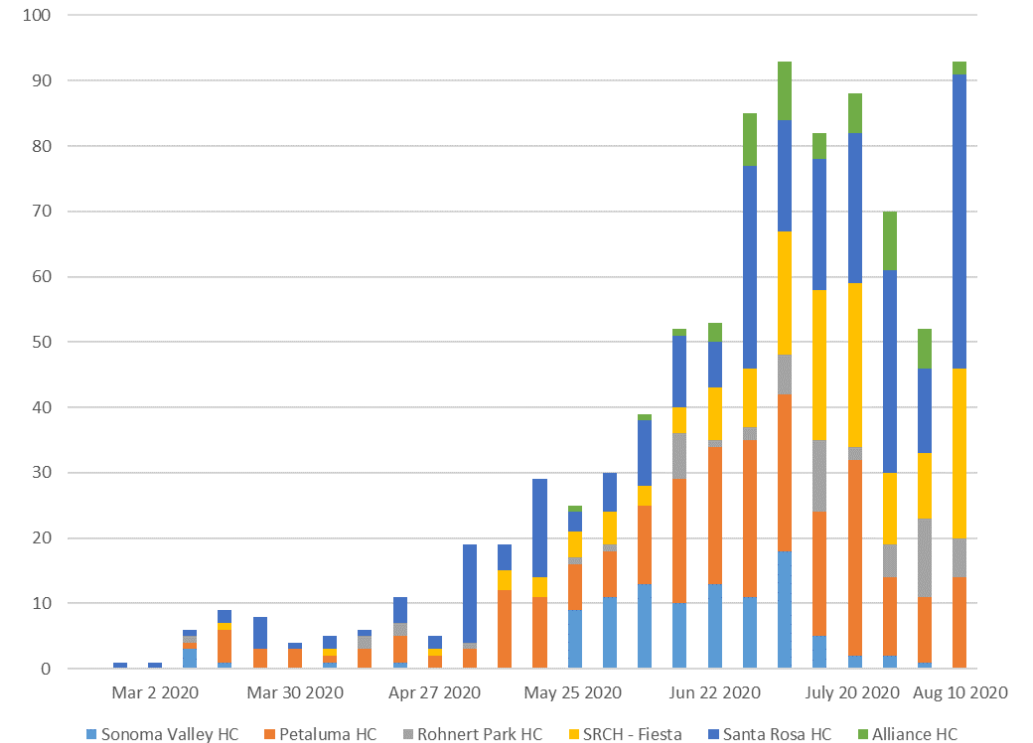
Testing Volume

- Average tests per 100,000 population per day: **145**
- Currently, <u>below</u> State minimum of 150 per day

Role of Health Centers in Testing

- Substantial contributor to testing activities

- A significant source of services and testing among Latinx community

Health Center Testing Data

	NEGATIVE	POSITIVE	TOTAL	%POSITIVE
ALLIANCE CLIN-HEALDSBURG	163	52	215	24%
SRCH FIESTA CAMPUS	1220	164	1384	12%
GRAVENSTEIN COMMUNITY HEALTH CENTER	199	10	209	5%
LOMBARDI MEDICAL	9	1	10	10%
PETALUMA HEALTH CENTER	1734	262	1996	13%
POINT REYES COMM HLTH CTR	2	0	2	0%
ROHNERT PARK HEALTH CENTER	480	63	543	12%
ROOTS COMMUNITY HEALTH CENTER	7	0	7	0%
ROSELAND CHILDRENS HLTH	9	0	9	0%
RUSSIAN RIVER HEALTH CENTER	172	9	181	5%
SANTA ROSA COMMUNITY HEALTH	795	283	1078	26%
SEBASTOPOL COMMUNITY HEALTH CENTER	5	1	6	17%
SONOMA COUNTY INDIAN HEALTH PROJECT	56	4	60	7%
SONOMA VALLEY COMMUNITY CLINIC	2709	102	2811	4%
VISTA FAMILY HEALTH CTR	15	4	19	21%
VISTA FMLY HLTH-UNINSURED	1	0	1	0%
WINDSOR ALLIANCE	4	0	4	0%
Total	7580	955	8535	11%

Health Center COVID-19 performing labs by result and positivity

	Negative	Positive	Total	%POS
Other	229	46	275	
				17%
Quest, not LHI	5715	514	6229	
				8%
Sonoma County PHL	1636	395	2031	
				19%
Total	7580	955	8535	
				11%

Measure of Infection Spread to Additional Contacts
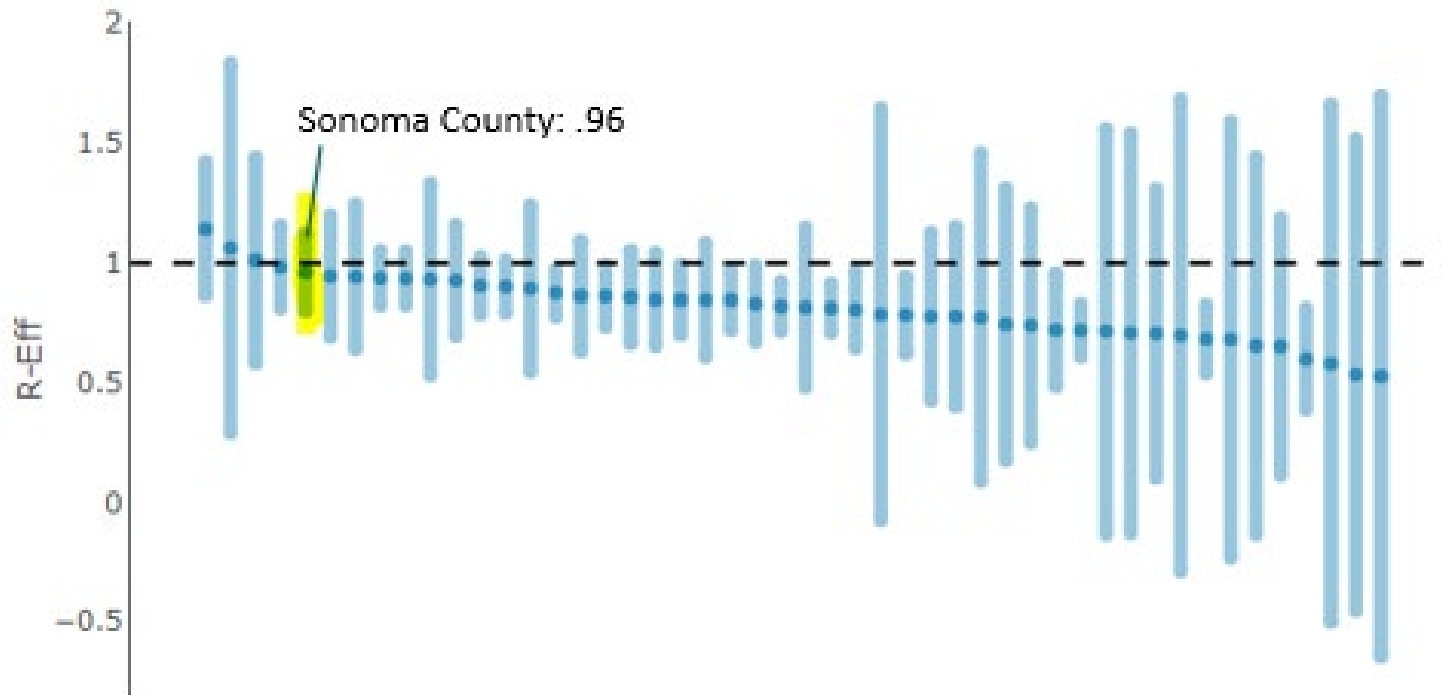
- The R-effective refers to the average number of additional people who are infected by each COVID-19 case (<1 decreasing spread, >1 increasing spread)

- Sonoma County currently has the 5th highest R-effective in the State (.96). This may be due, in part, to case finding efforts, extensive field testing in congregate settings, and systematic testing of close contacts.

State Modeling Information

- The California COVID-19 Assessment Tool (CalCAT) brings the best COVID-19 models together in one place to support policy and public health action.

- By providing ensemble estimates of critical COVID-19 metrics from a variety of models, the site facilitates comparison, discussion, and clarity about trends in the pandemic.
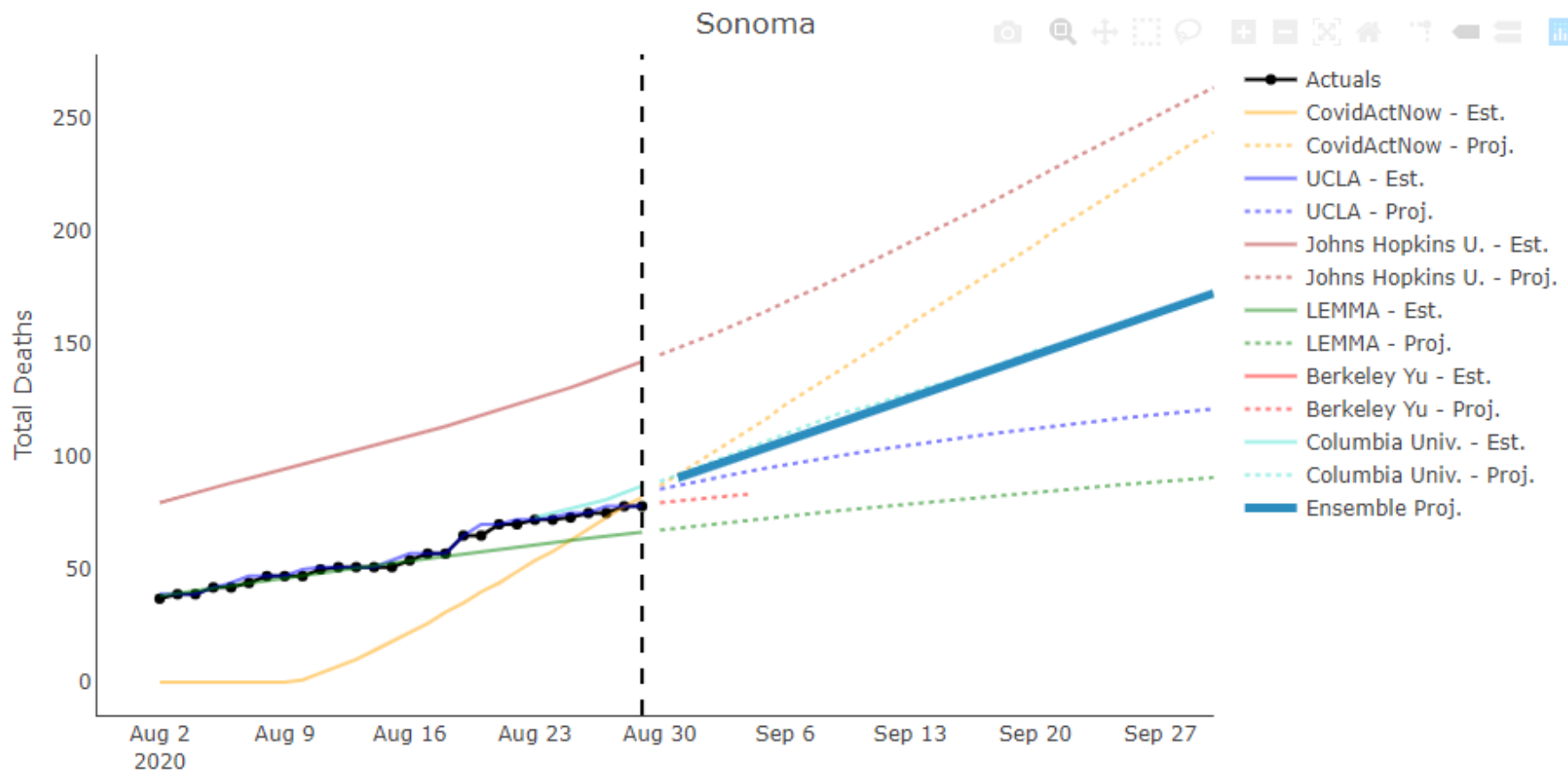
Projected Deaths: 30 Day Forecast

Hospitalization: 30 Day Forecast

California County Hospitalization Forecasts

Select a county to see how modeled number of hospitalizations compare with actual numbers to date and with the number of licensed hospital beds (black box).

Sonoma

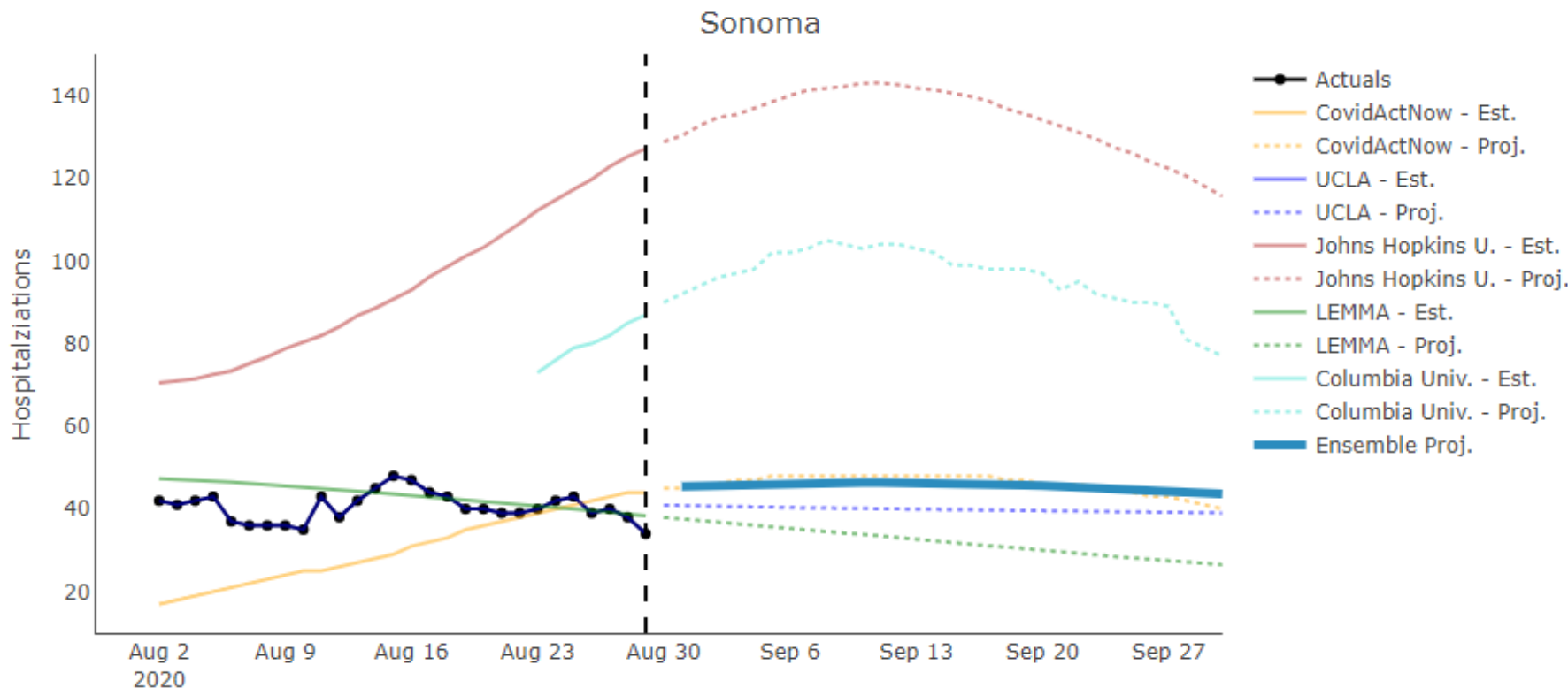Current Daily Hospitalizations:

34 | 722

Actuals | Total Beds : 2020-08-29

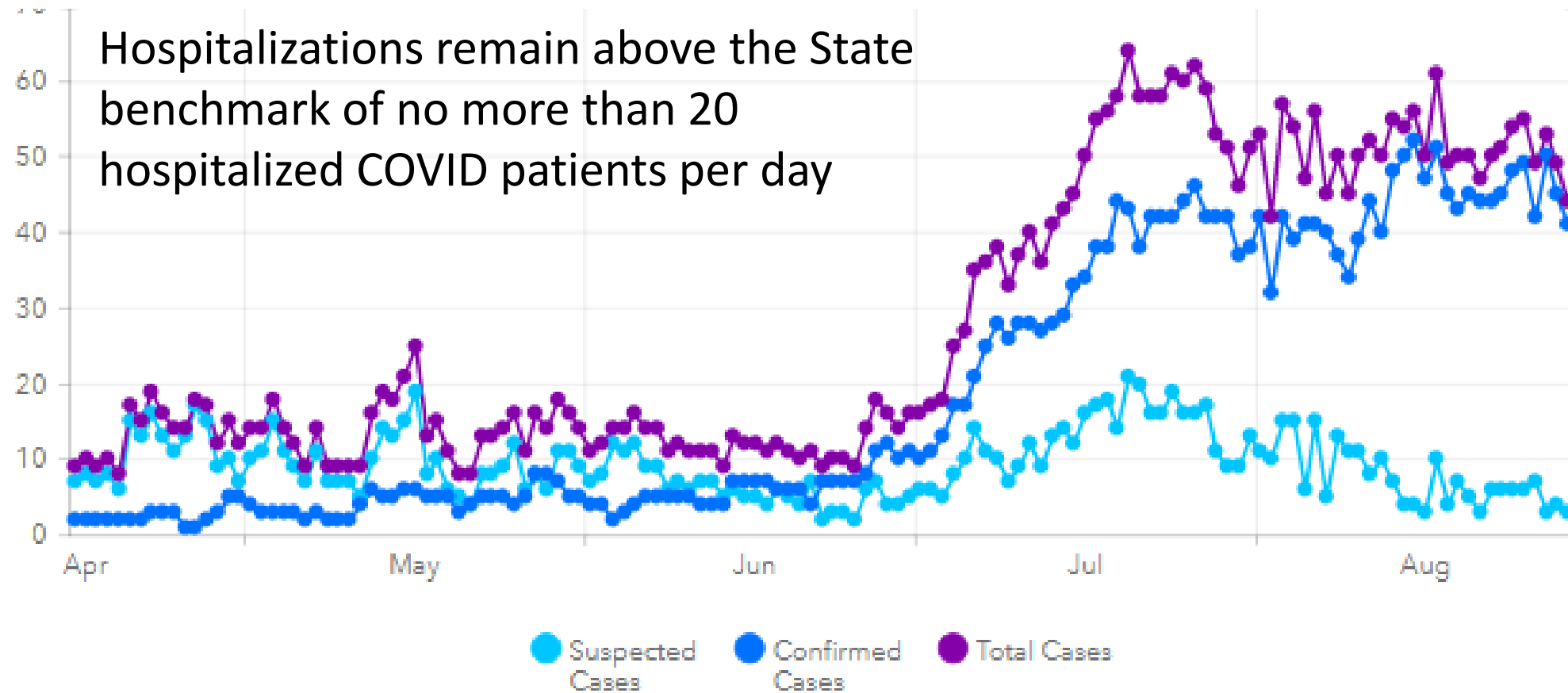Projected Daily Total:

44

Ensemble Forecast through 2020-09-30

⬇ Download County Hospital Forecasts

Current COVID-19 Hospitalizations

Hospitalizations 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	State Criteria
14.6% ICU beds available	**<20% ICU beds** available indicate limited capacity

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Characteristics of COVID-19 Patients Ever Hospitalized (n=288)

- Majority of hospitalizations are among adults over 50

- Equally distributed by gender

- 70% of discharged cases have recovered; 17% are still active

- 29% (84) were ever in the ICU

- 37 hospitalized patients died

COVID-19 cases ever hospitalized by demographics, Sonoma County residents as of 8/30/2020

		N	%
Total		288	100%
Age			
	0-17 years	3	1%
	18-49 years	72	25%
	50-64 years	80	28%
	65+ years	133	46%
Sex			
	Male	144	50%
	Female	144	50%
Status			
	Active	49	17%
	Recovered	202	70%
	Death	37	13%
Ever in ICU		84	29%

Characteristics of Fatalities (N=80)

- 67 (84%) of the 80 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 8/30/2020

|	N	%
Total	80	100%
Age		
50-64 years	7	9%
65+ years	73	91%
Sex		
Male	34	43%
Female	46	58%
Underlying conditions		
Unknown	18	23%
Diabetes	18	23%
Cardiovascular disease	16	20%
Chronic lung disease	10	13%
Hypertension	13	16%
Other	15	19%

Skilled Nursing and Residential Care Outbreaks

- COVID-19 cases have included 481 residents and 324 staff in SNFs/Residential senior care since March 1st

- These cases account for 15% of the cases in Sonoma County to date.

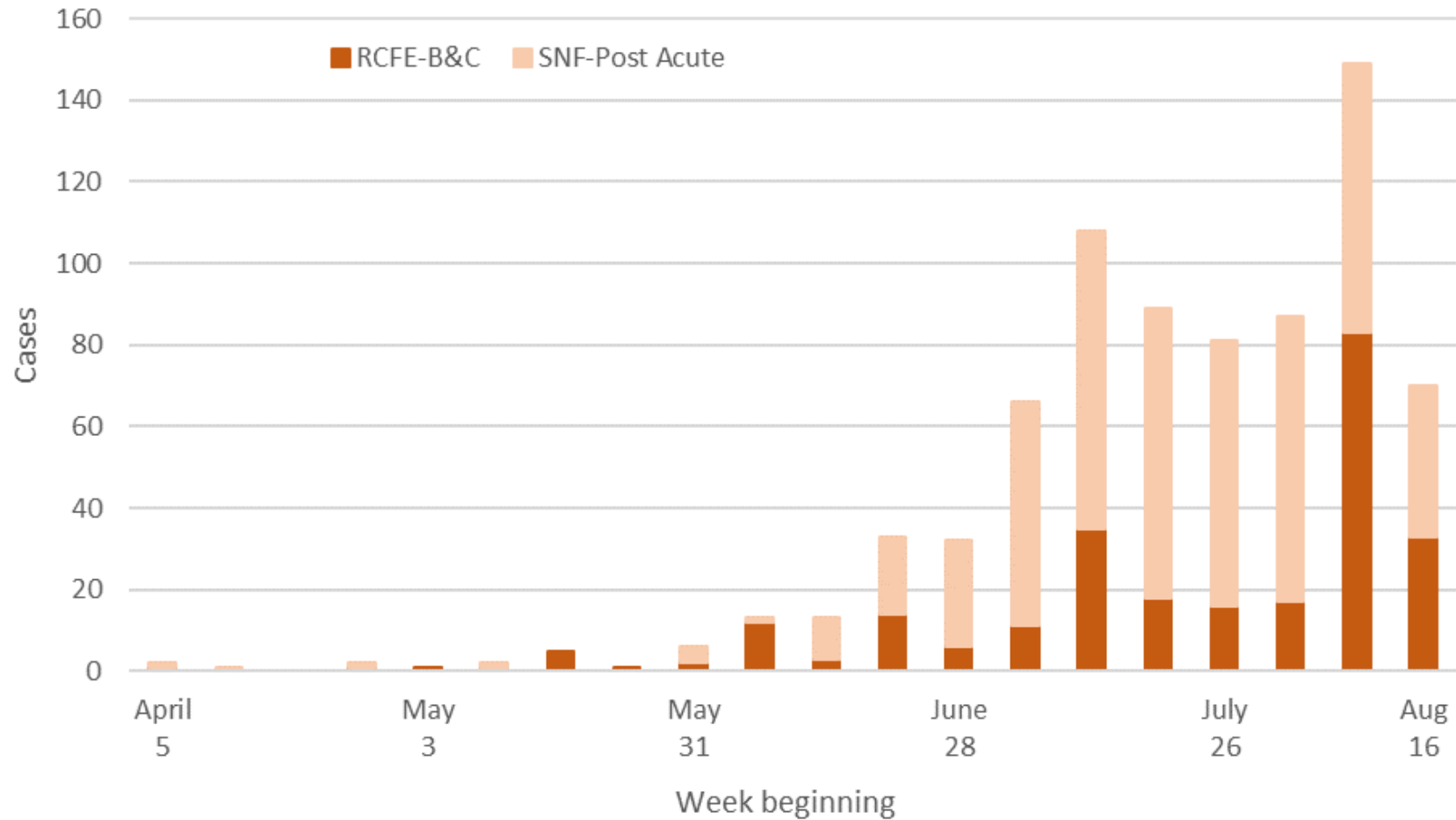COVID-19 cases in Sonoma County senior residential care facilities through 8/27/2020^

	Staff*		Residents		Total	
	N	%	N	%	N	%
Total	324	100%	481	100%	805	100%
SNF/Post Acute	189	58%	339	70%	528	66%
Assisted/senior living/board and care	135	42%	142	30%	277	34%

^Date of Lab Report

Cases among SNF/RCFE Staff and Residents
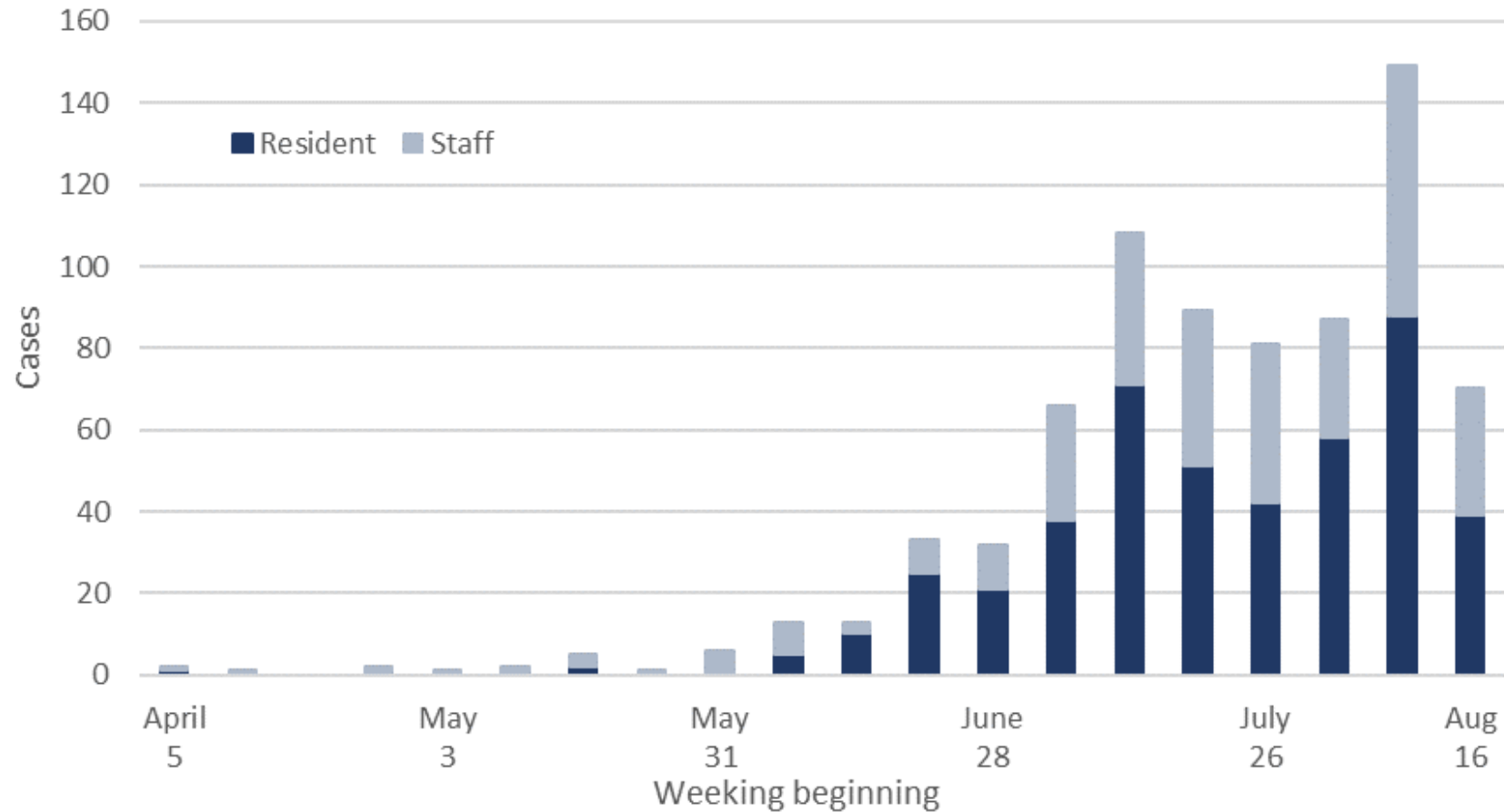
Cases at SNFs and RCFEs by Facility Type

Containment and Prevention at Skilled Nursing and Residential Care Facilities

- Updated guidance was distributed to Skilled Nursing Facilities and Residential Care Facilities to help prevent spread
- Sonoma Specialty taking cases near recovery to offset hospital impacts

Source of Infection, Recent Cases
7.1.2020 – 8.8.2020

- Of the 2289 cases reported over the last 5 weeks, 1829 have been evaluated for exposure (80%)

- Of the 1829:
    - 68% Close Contact (N=1244)
    - 13% Community Acquired (N=232)
    - 4% Travel (N=72)
    - 15% Exposure Unknown (N=282)

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Source of Infection, Close Contact
7.1.2020 – 8.8.2020 (N=1244)

- 50% had **household contact** with a known case (N=624)
- 21% associated with **workplace** (N=265)
- 2% had both **workplace and household** (N=25)

- 9% were associated with **congregate care** (N=117)

- 9% were associated with **gatherings** (N=110)

- The remaining 9% were associated with other, unclassified or unknown exposures
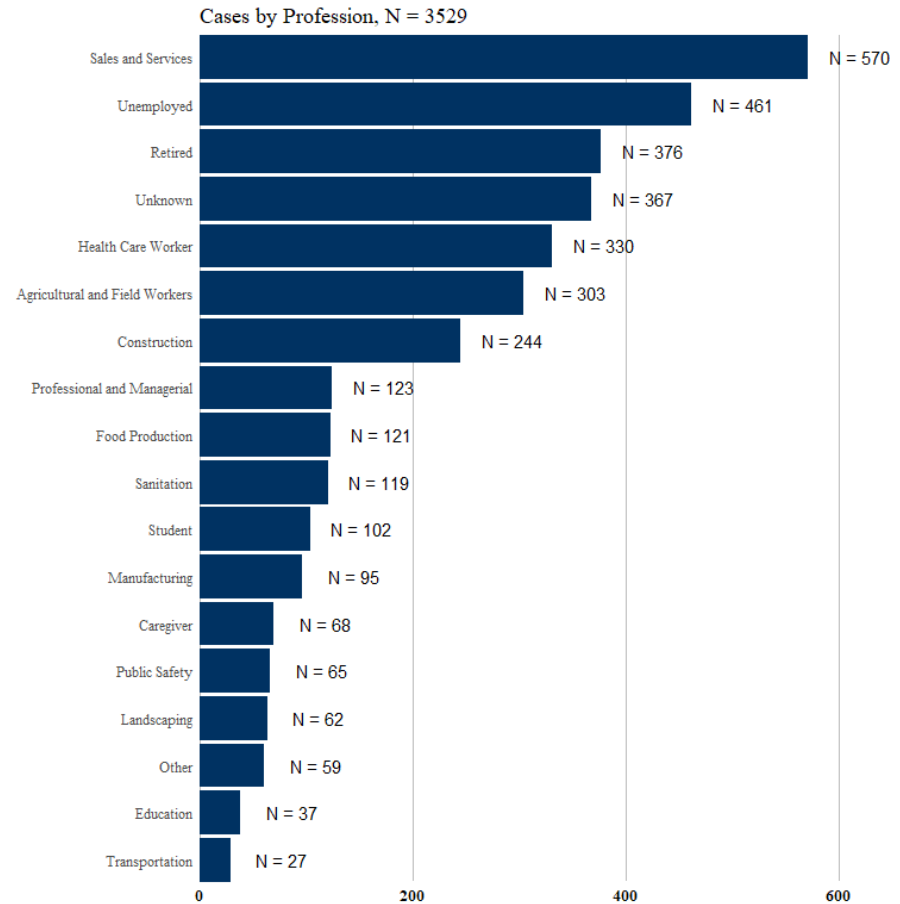
Source of Infection, Community
7.1.2020 – 8.8.2020 (N=232)

- 68% of cases had no known exposure (N=158)
  - Interview did not mention grocery stores, gatherings or any specific event that could be likely exposure

- Of the of cases who listed some exposure:
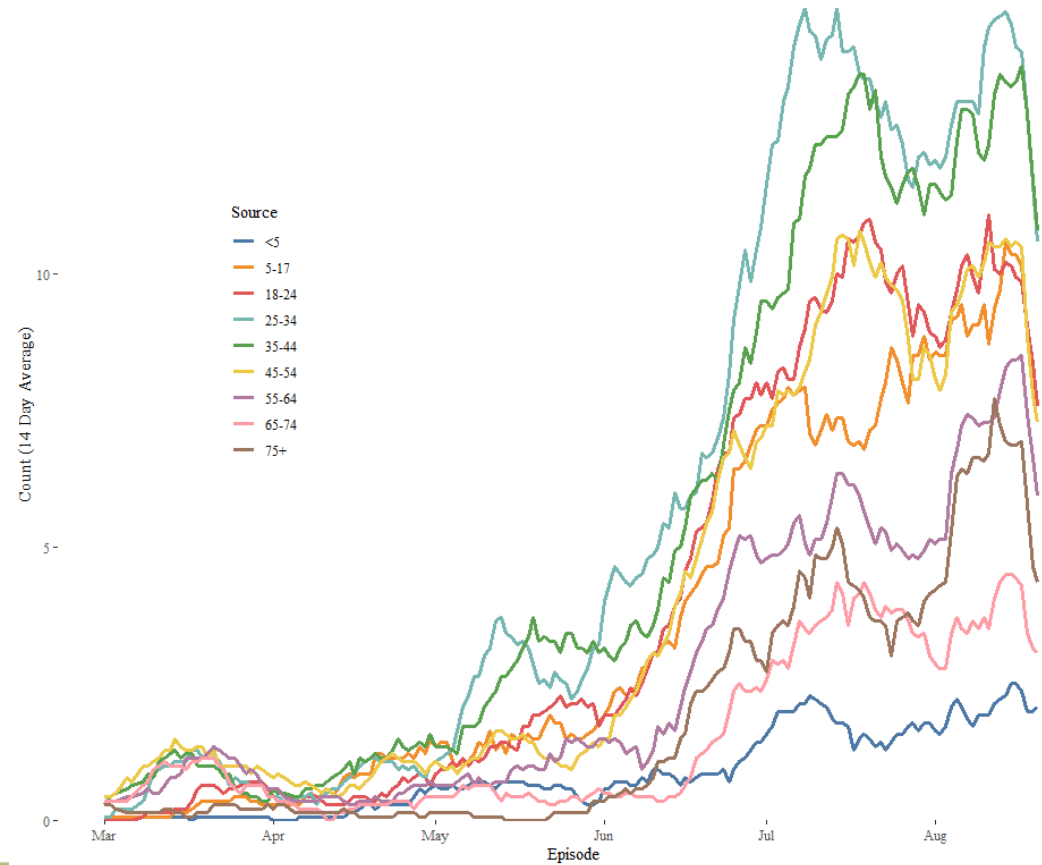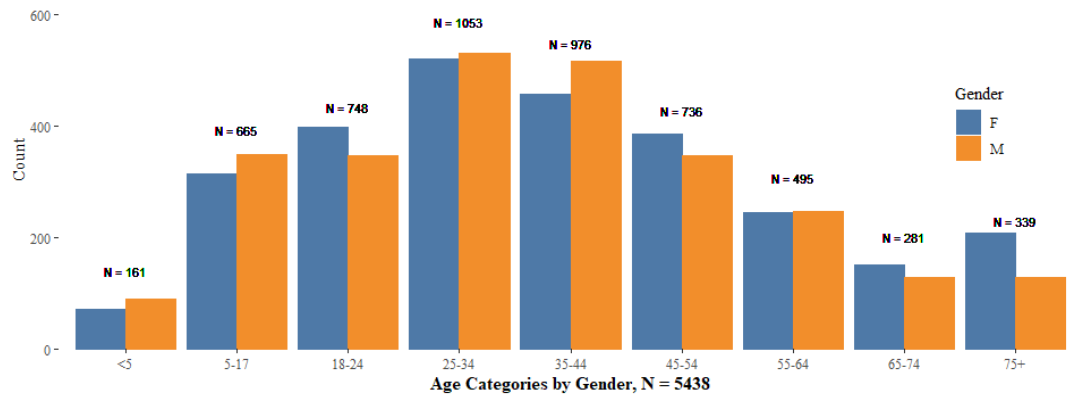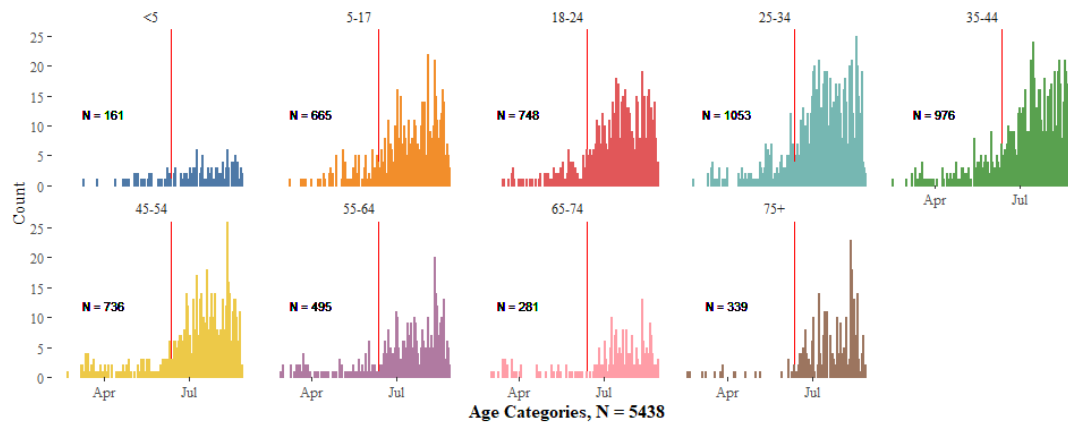 - 14% listed **gatherings (N=33)**

Occupation Trends

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

Cases by Profession, N = 3529

Profession	N
Sales and Services	570
Unemployed	461
Retired	376
Unknown	367
Health Care Worker	330
Agricultural and Field Workers	303
Construction	244
Professional and Managerial	123
Food Production	121
Sanitation	119
Student	102
Manufacturing	95
Caregiver	68
Public Safety	65
Landscaping	62
Other	59
Education	37
Transportation	27

Age Trends with Gender
14 Day Rolling Means, 7 Day Lag

Industries with Workplace Transmission(n=583)

| Industry	Percentage
Health Care	25%
Services and sales	18%
Agriculture and Farm work	15%
Construction and Related Trades	11%
Food and beverage production	7%
Public Safety	5%
Caregiver and personal help	4%
Manufacturing	3%
Cleaning, Janitorial and environmental services	3%
Professional and managerial	2%
Landscaping and outdoor maintenance	2%
Sanitation and public works	1%
Transportation	1%

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	2,855	50%	25.6%
White, non-Hispanic	881	16%	64.2%
Asian/Pacific Islander, non-Hispanic	104	2%	5.2%
Black/African American, non-Hispanic	41	1%	1.7%
Multi-Race	56	1%	2.3%
Other	87	2%	
Unknown	1,630	29%	

COVID-19 7 day average case rate/100,000 by ethnicity,
Sonoma County through 8/19/2020

- The 7-day moving average case rate per 100,000 for Latinos remains higher than for non-Latinos (more than 5 times higher on 8/18/2020)
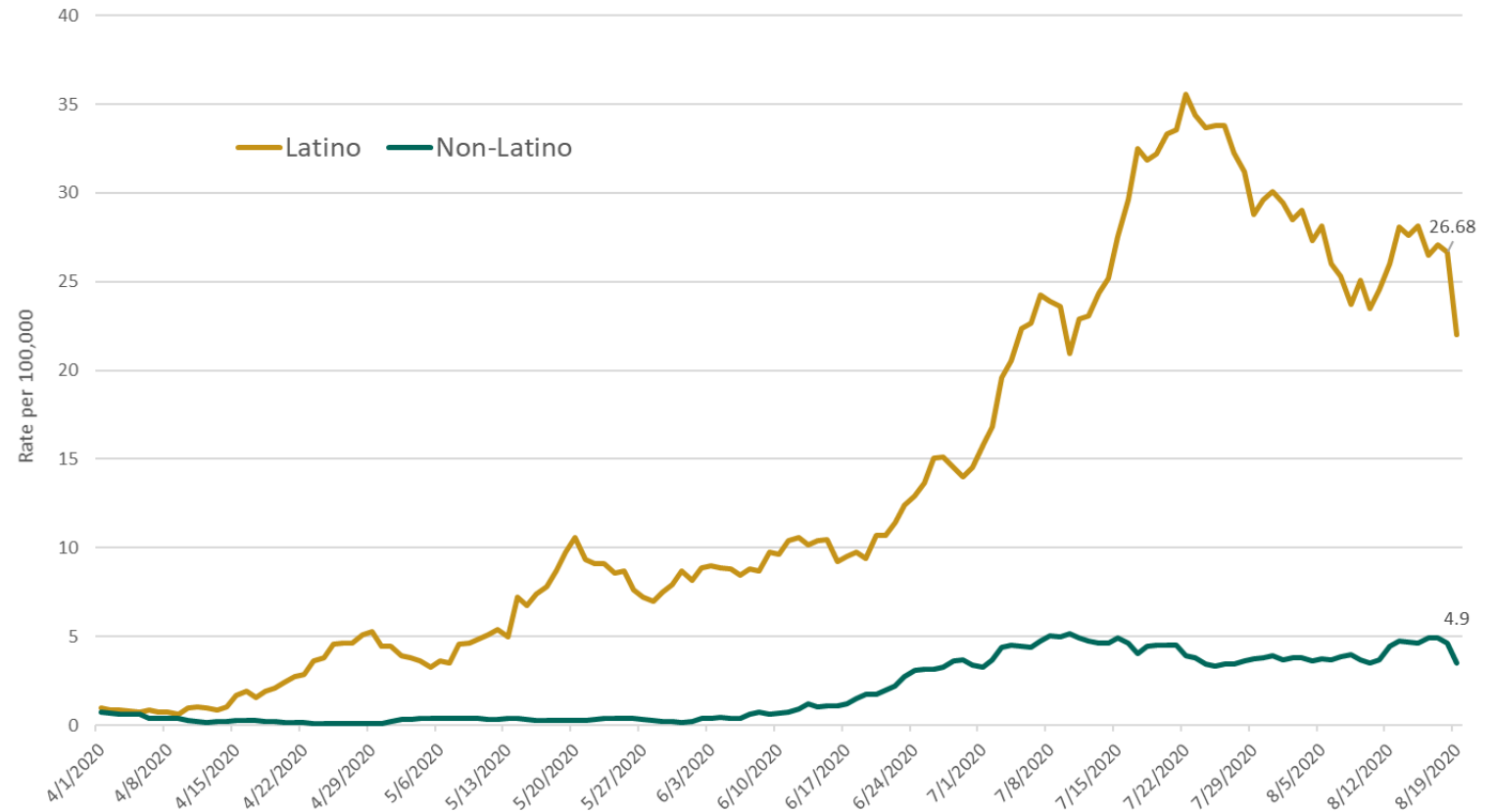
Most Common Employment Sectors of COVID Positive Individuals, by Race/Ethnicity

Latinx (n=1,670)	White, Non-Hispanic (n=594)
Services and sales (17%)	Not working (36%)
Agriculture and farm work (15%)	Services and sales (18%)
Unemployed (12%)	Health care (11%)
Health care (9%)	Professional and managerial (9%)
Construction and related trades (9%)	Construction and related trades (6%)

Agriculture and Farmworker case info

4,217 total cases of COVID-19 in Sonoma County with employment information

- 307 (7.3%) described working in the Agriculture and Farm Work sector (report date March 31st-August 22nd).

Field workers – 168 (55%)	**Sales and services – 3 (1%)**
Unknown/did not disclose– 102 (31%)	**Grape room – 2 (0.7%)**
Bottling/warehouse/packaging– 16 (5.2%)	**Factory worker – 2 (0.7%)**
Owner/Manager/Supervisor/Foreman – 10 (3.3%)	**Handyman – 1 (0.3%)**
	Inventory – 1 (0.3%)
Contractor – 4 (1.3%)	**Cleaning/janitorial – 1 (0.3%)**
Machine operator – 3 (1%)	**Horse care – 1 (0.3%)**

Clusters and Exposure

- A total of 77 unique Vineyard/Wineries/Farms were noted as place of work
  - 90 (29%) participants did not mention place of work

- 12 clusters with 5 or more positive cases
  - Range: 5-36 confirmed cases
  - Average = 10
  - Median = 6

- 93 (30%) noted workplace as confirmed or likely place of exposure
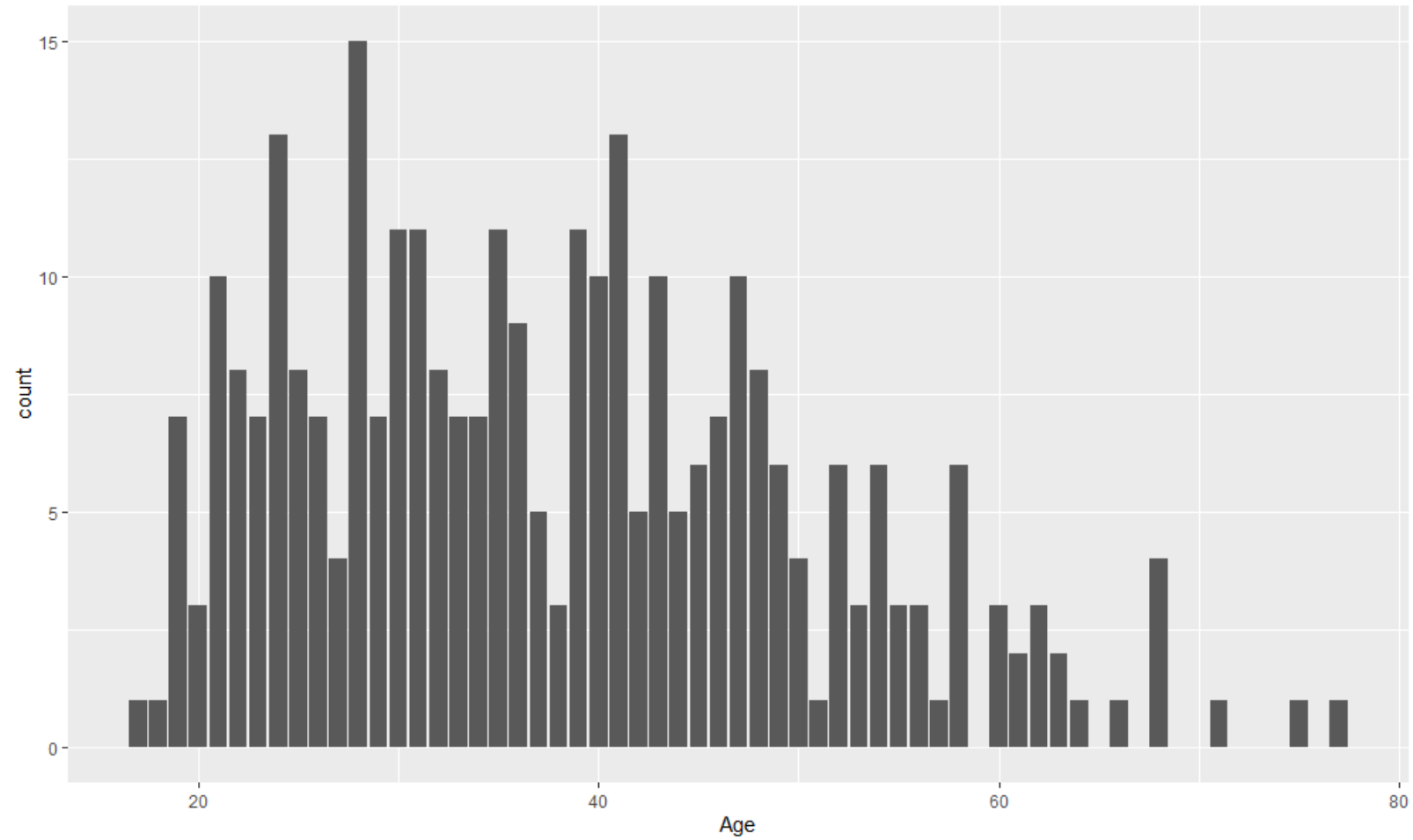- Analysis does not include winery/tasting room customers who noted "winery" as place of exposure

Case Timeline

Harvest begins

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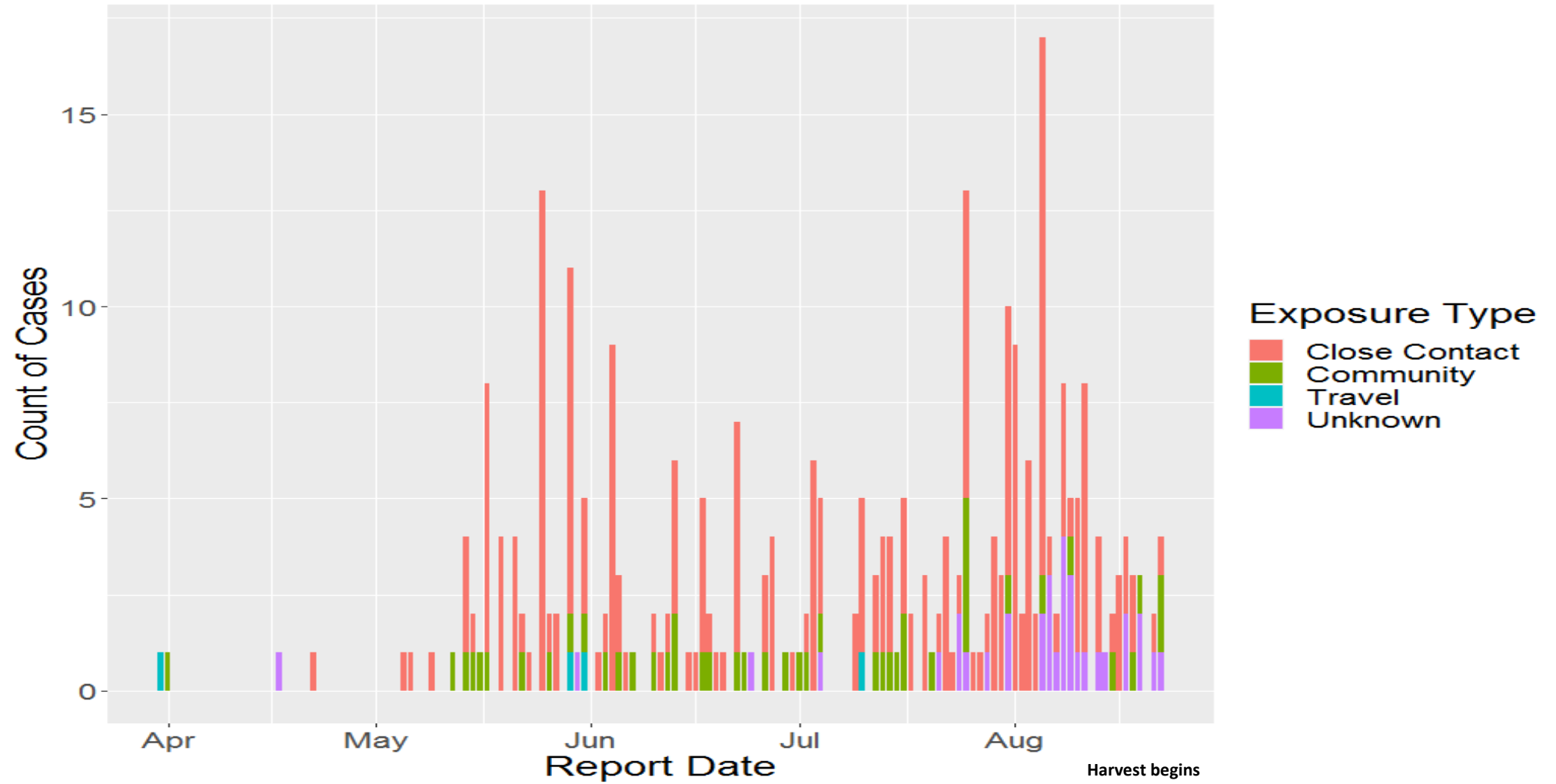
Demographics

- Race/ethnicity
  - Of 307 Agricultural workers
    - 268 Latinx (87%)
    - 7 NH/White (2.2%)
    - 1 Other/NH
    - 31 Unknown/did not disclose
- Gender
  - 247 Men; 59 Women
- Age
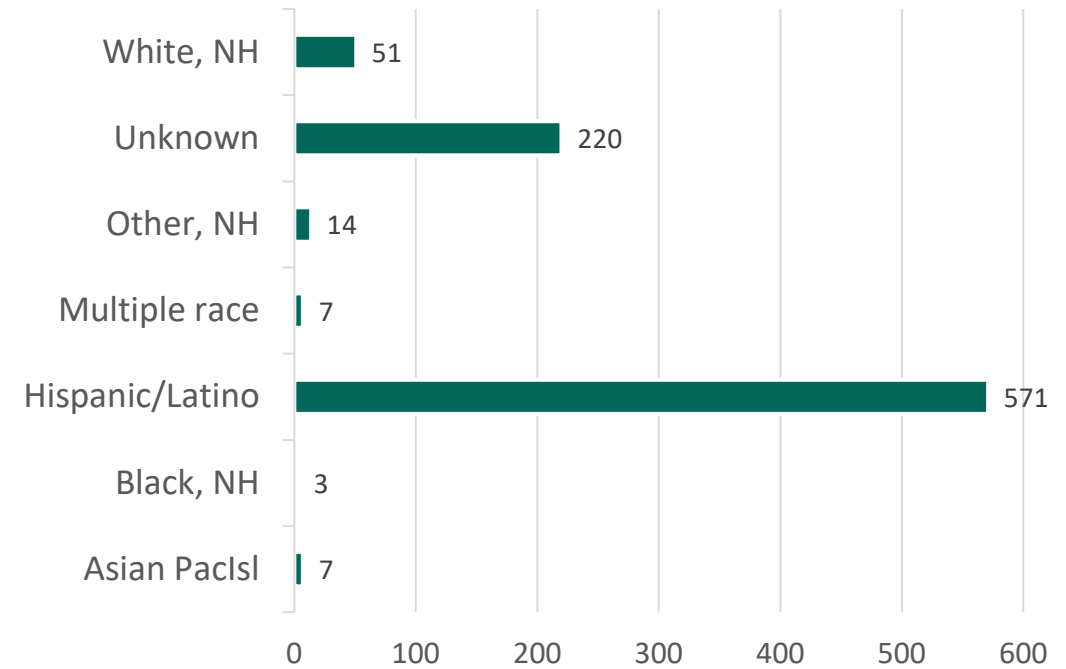 - Range 17-77 years

Demographics - Age

Hospitalizations Among Agriculture Workers

- 6 recorded hospitalizations
- 0 deaths

Child and Adolescent Cases (0-17 years)

- 873 Cases in children 0-17 years of age
- 455 Male; 416 Female; 2 Unknown

Race/Ethnicity	Count
White, NH	51
Unknown	220
Other, NH	14
Multiple race	7
Hispanic/Latino	571
Black, NH	3
Asian PacIsl	7

Exposure and Geography

Exposure	Count
Close Contact	517
Community	25
Travel	15
Under Investigation	268
Unknown	48

City	Cases
Bodega	< 5
Boyes Hot Springs	5
Cloverdale	29
Cotati	8
El Verano	< 5
Forestville	< 5
Fulton	< 5
Geyserville	< 5
Glen Ellen	< 5
Guerneville	< 5
Healdsburg	31
Kenwood	< 5
Occidental	< 5
Penngrove	< 5
Petaluma	117
Rohnert Park	48
Santa Rosa	489
Sebastopol	10
Sonoma	35
Windsor	38
Unknown	45

Age and grouping
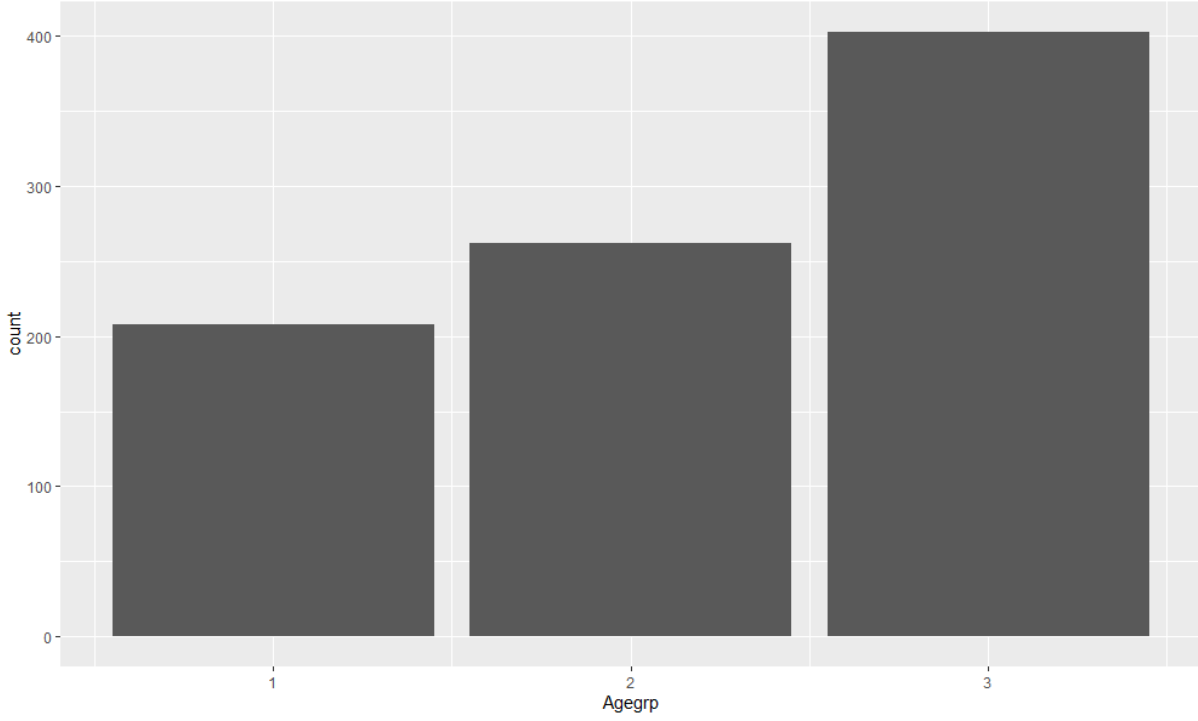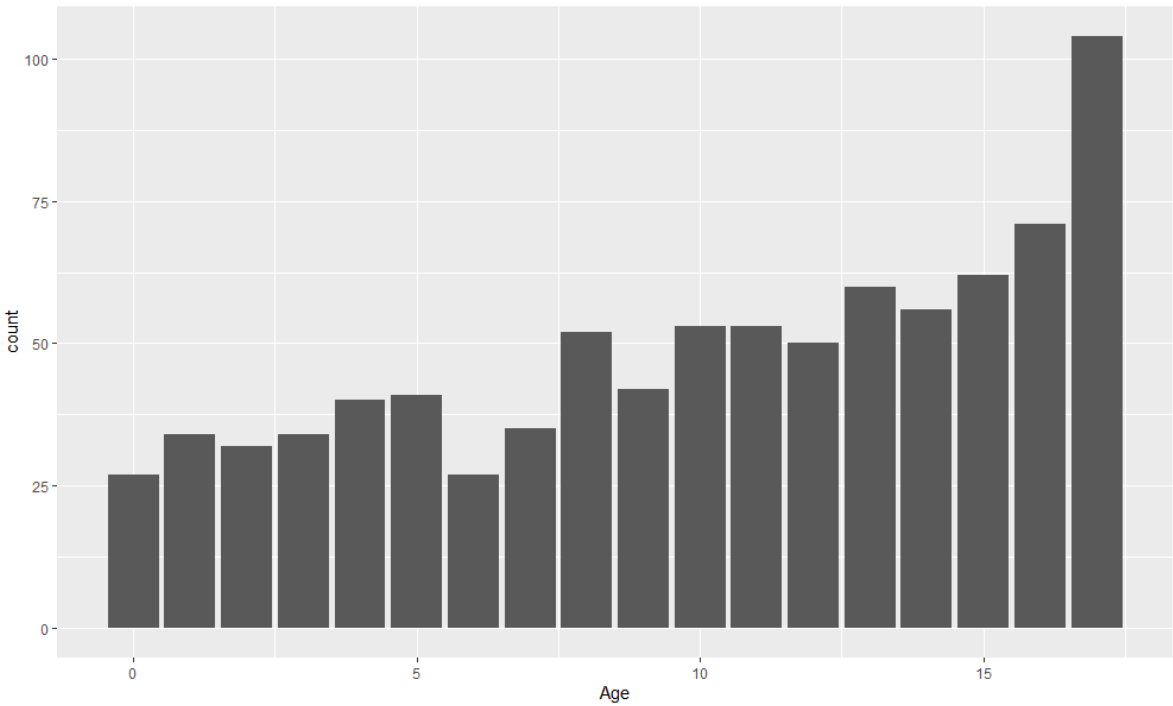
0-5 year olds   6-11 year olds   12-17 year olds

Exposure and Episode Date, 0-5 years

Exposure	Cases
Close Contact	149
Community	3
Travel	3
Under Investigation	35
Unknown	18
Total	208

Exposure by Episode date, Ages 0-5
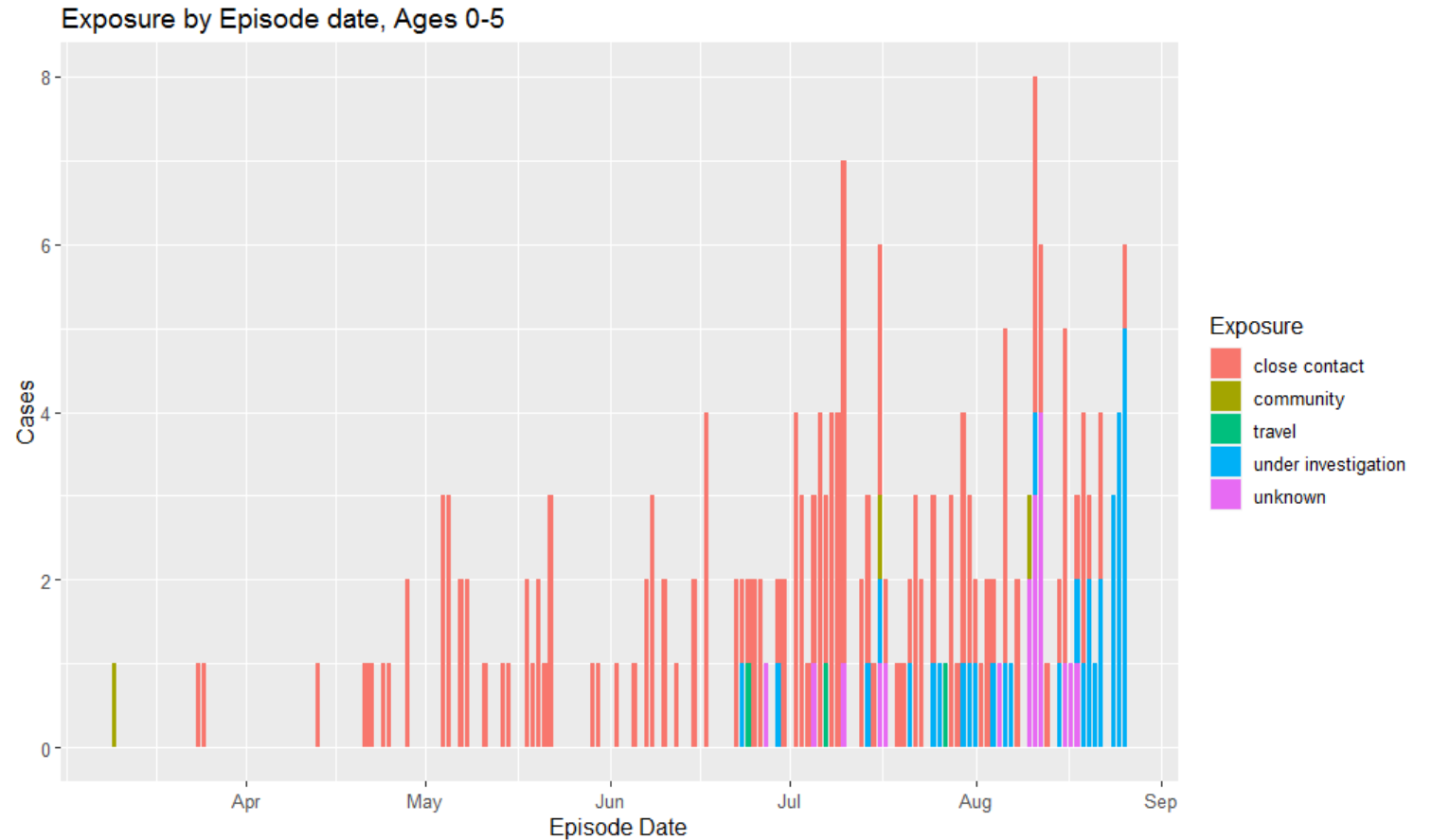
Exposure and Episode Date, 6-11 years

Exposure	Cases
Close Contact	159
Community	5
Travel	2
Under Investigation	89
Unknown	7
Total	262

Exposure by Episode date, Ages 6-11
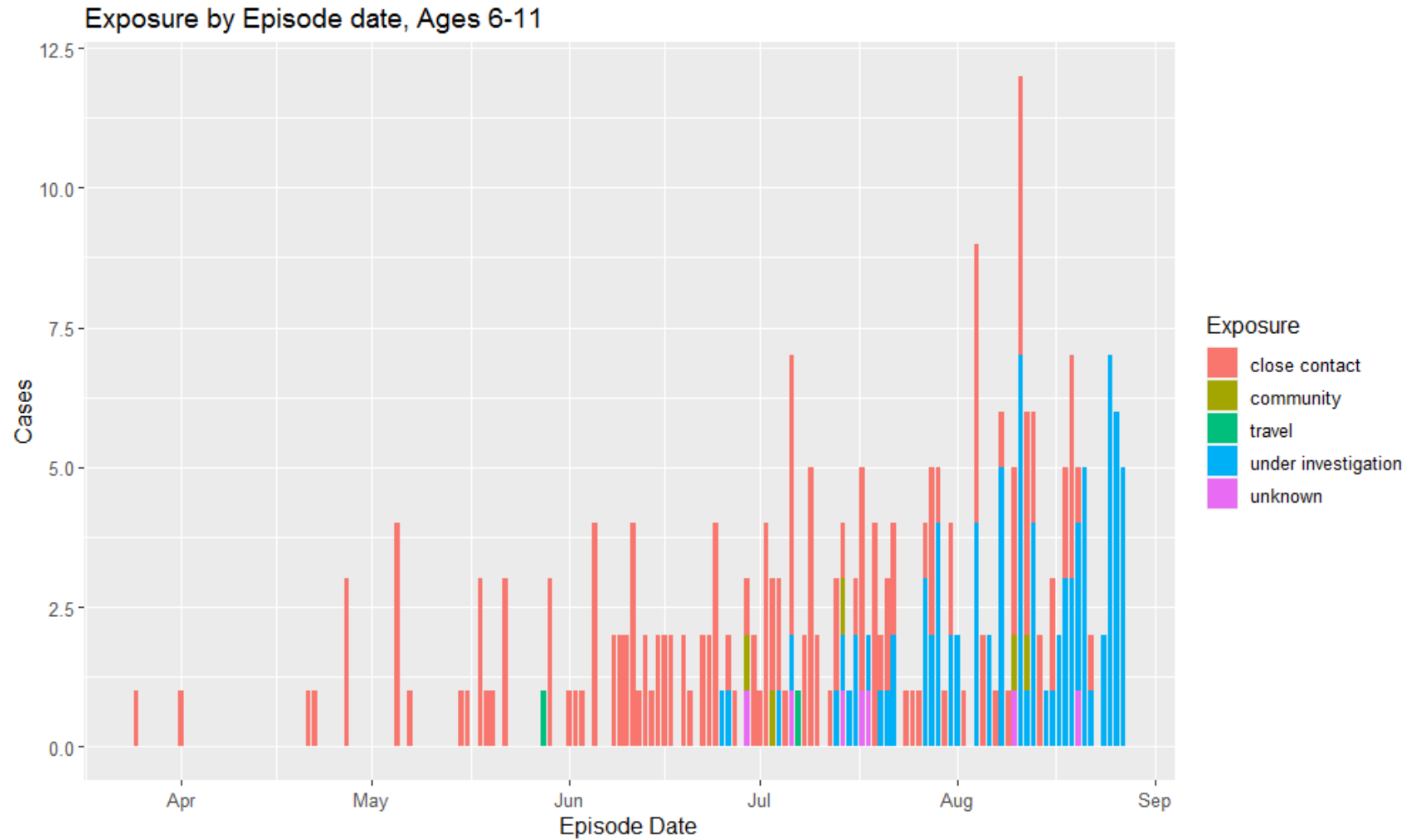
Exposure and Episode Date, 12-17 years

Exposure	Cases
Close Contact	209
Community	17
Travel	10
Under Investigation	144
Unknown	23
Total	403

Exposure by Episode date, Ages 12-17
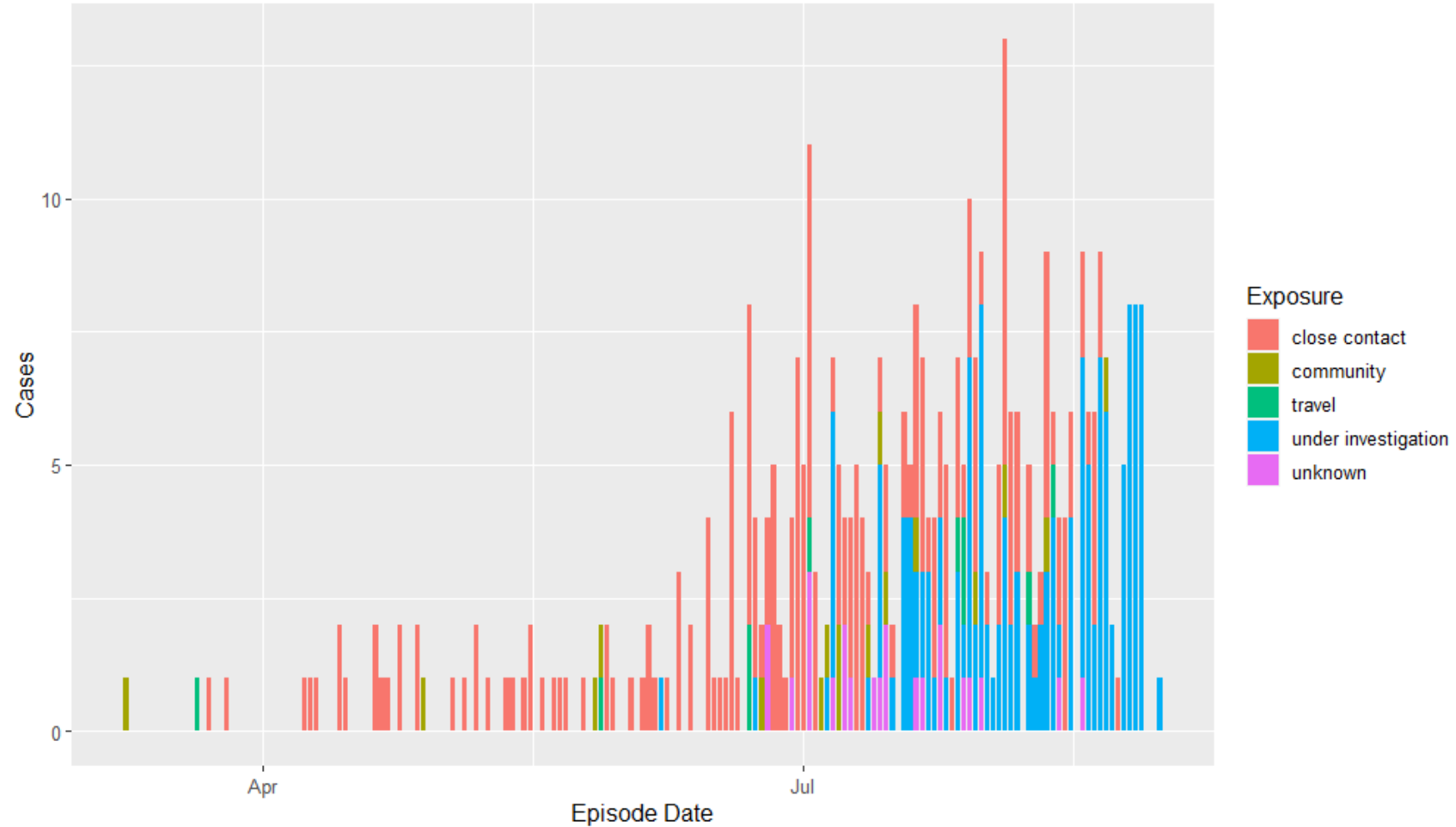
Hospitalizations

- 2 children required hospitalization, both under age 5
- MIS-C cases (0-22 years)
  - 2 MIS-C cases
    - One under age 5; one young adult

ACS and NCS Updates

- On 8/19, evacuated 25 guests from ACS/Healdsburg BW Dry Creek Inn to Petaluma Fairgrounds.
- On 8/20, evacuated 33 NCS guests from Alliance Redwoods to 7th Day Adventist Church in SR.
- 8/25—NCS relocated back to Alliance Redwoods. All but two people returned to Alliance Redwoods after evacuation.
- 8/26—ACS returned to Healdsburg BW Dry Creek Inn with a census of 0. Currently have 8 clients.
- Currently collaborating with Santa Rosa Fairgrounds (Grace Pavilion) on potential referrals from congregate shelter to NCS sites for those who are eligible.

Community Health: Overdose and Suicide Deaths

**Overdose and suicide deaths by month, 2017-2019 3 year average with 2020 comparision, Sonoma County**

		JAN	FEB	MAR	APR	MAY	JUN	JUL
Overdose	3 year average 2017-2019	6	8	6	8	6	6	8
	2020*	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	ABOVE	BELOW
		JAN	FEB	MAR	APR	MAY	JUN	JUL
Suicide	3 year average 2017-2019	7	4	6	7	6	6	6
	2020*	ABOVE	ABOVE	BELOW	BELOW	BELOW	EQUAL TO	EQUAL TO

Source: CA Comprehensive Death File, 2017- August 25, 2020

- A trend of heightened overdose deaths continued through June and decreased in July
- Suicide deaths occurred less frequently beginning in March 2020, but rose to average levels in June and July
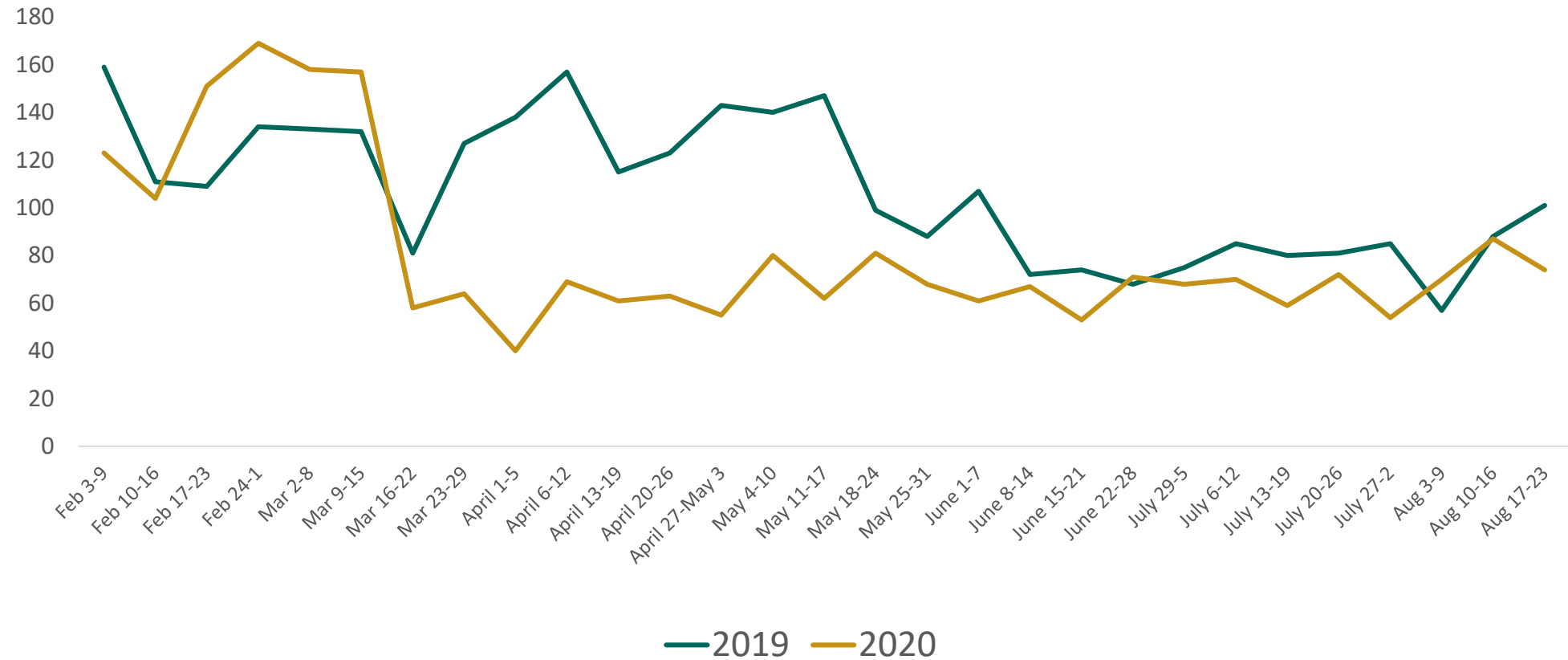- All data is preliminary pending coroner determinations

Behavioral Health Warm Line

DHS BH Warm Line Call Volume Since Inception: 1138 Total Calls
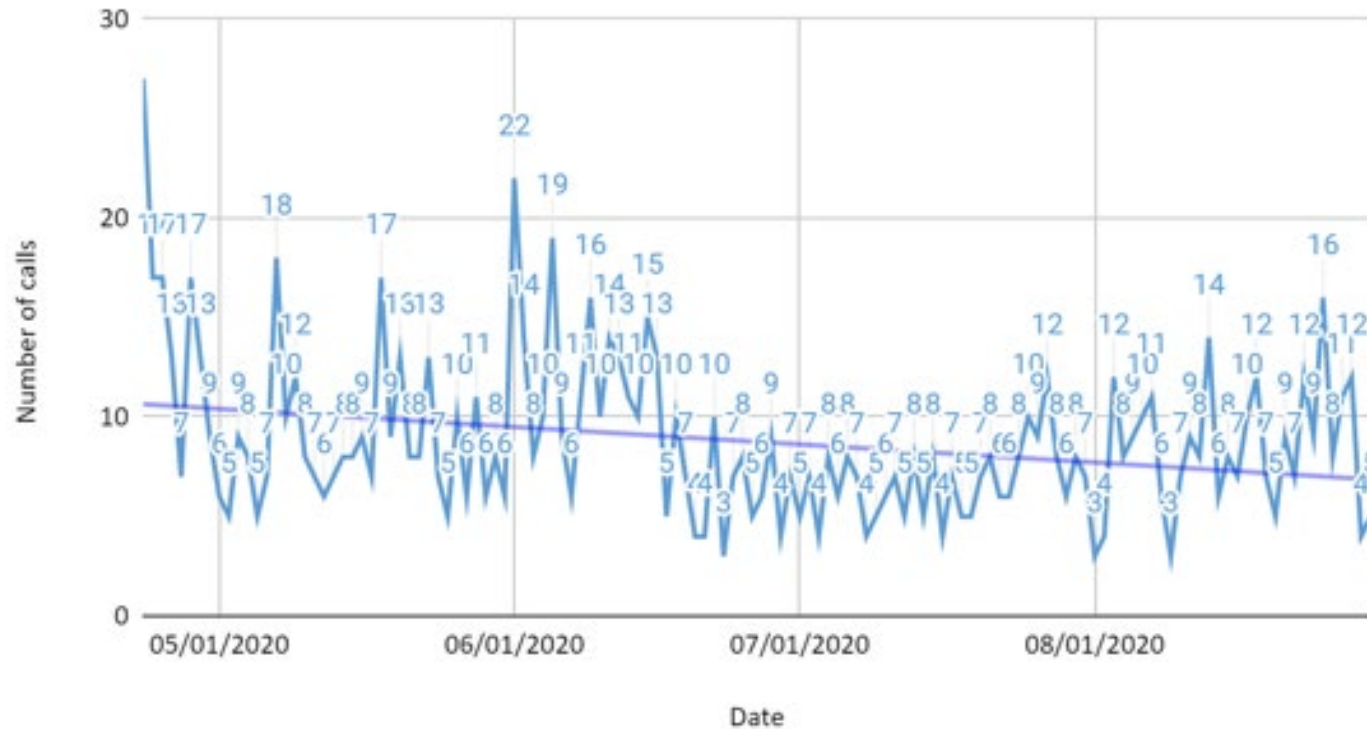
Top 5 reasons for calls:
Anxiety	25.9%
Resource needs	22.2%
Loneliness	18.5%
Other	18.5%
Overwhelm	11.1%

Child Abuse and Neglect Allegations

SONOMA COUNTY DEPARTMENT OF HEALTH SERVICES

Questions