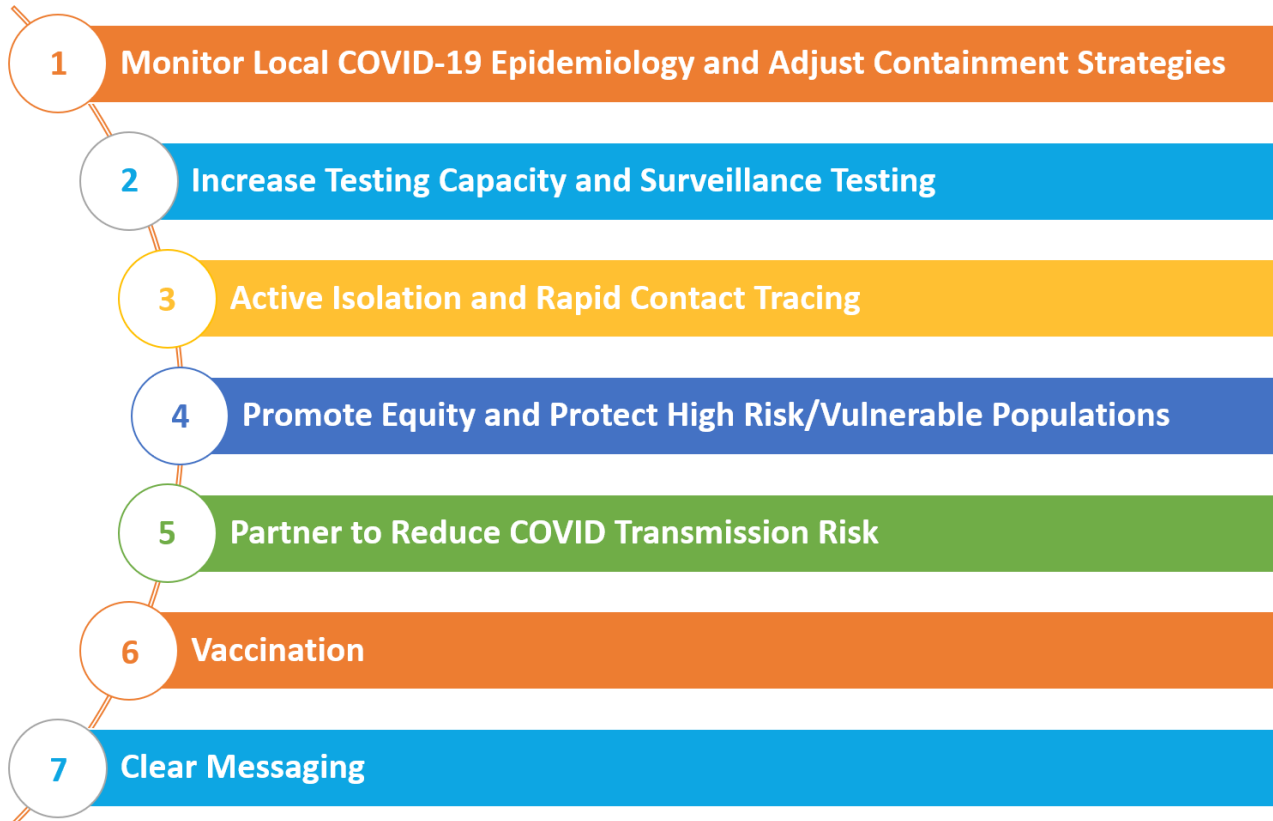




# COVID-19 Containment Algorithm

## Containment Algorithm Elements



### 1. Monitor Local COVID-19 Epidemiology and Adjust Containment Strategies

#### COVID Positive Case Data

- Average daily COVID-19 incidence per 100,000
- Testing positivity
- Health disparity monitoring, particularly racial/ethnic disparity

Calculations of case rate and positivity:

- Inmates, detainees, and staff Madera County Jail and Juvenile Hall are included
- Staff in State and Federal prison facilities are included into community count
- State and Federal prison inmate COVID+ cases are tracked separately from calculations of case rate unless released into the general population and reside thereafter in Madera County

#### Hospitalization Data

- Number of patients hospitalized for COVID-19 by a 7-day average of daily percent change in the total number of hospitalized confirmed COVID-19 patients

- Number of confirmed COVID-19 patients hospitalized on any single day over the past 14 days
- Number of ventilators that are available
- Hospital capacity assessed through hospital beds (inpatient/medical and surgical beds, and ICU) occupancy
- Participate in the discussion for CDPH's CalCat COVID-19 nowcast and forecast models and monitor data to inform containment strategies

### **Outbreak Monitoring**

- All congregate setting outbreaks monitored through daily line lists and assessed through epidemiological curve to determine outbreak activities
- Outbreaks will be reported to the state if containment is unmanageable locally

### **Case Investigation and Contact Tracing Performance Indicators**

- # of cases assigned per case investigator
- # of contacts assigned per contact tracer
- % of cases interviewed out of case interventions
- % of cases interviewed within 24 hours of case report
- % of contacts notified within 24 hours of initiation for follow-up
- % of contacts tested at least once, within 14 days of notification
- # of new cases among contacts, within 14 days of last exposure to index case

### **Vaccination Allocation and Administration**

- # of vaccines allocated to MCDPH
- # of vaccines allocated to Madera County vaccine providers
- By state demographic requirements:
  - # of vaccines first and second doses administered by MCDPH
  - # of vaccines first and second doses administered by Madera County vaccine providers
  - # of people who live or work in Madera who have been fully vaccinated in by MCDPH
  - # of people who live or work in Madera who have been fully vaccinated in by Madera County vaccine providers

### **Area Coordination Team Epidemiology Team Reporting (Madera, Mariposa, Merced, Fresno, Tuolumne, Calaveras, and Mono Counties)**

- Regional monitoring of disease incidence
- Regional monitoring of positivity rate
- Regional monitoring of hospital capacity (hospital beds-inpatient, medical/surgical, and surge)
- Regional monitoring of mobility in correspondence to incidence rate
- Regional monitoring of response relative to laboratory capacity through turnaround time
- Initiated a plan to enroll hospitals and urgent care in the regional group into the Centers for Disease Control and Prevention's National Syndromic Surveillance Program.

### **Data Dashboard**

- Accurately Report Data to the Community (including state triggers identified in the attestation criteria)
- Update daily (Monday-Friday)

## 2. Increase Testing Capacity and Surveillance Testing

Tests results will be reported to the state in CalREDIE.

### Local Specimen Collection Sites

- OptumServe at the Madera County Fairgrounds
- Public Health Mobile Testing Unit: various locations throughout the County
- Daily urgent testing at the Department of Public Health
- Madera Community Hospital's Rapid Care
- Valley Children's Healthcare
- Camarena Health (FQHC)
- Fresno County: healthcare locations, OptumServe locations

### Testing Capacity Goals

- Achieve and maintain a minimum daily testing at or above the state testing median.
- Maintain testing availability for at least 75% of residents, as measured by the presence of a specimen collection site (including established health care providers) within 30 minutes driving time in urban areas, and 60 minutes in rural areas.
- Target known groups with poor access (i.e. indigenous farmworker communities) with specific outreach and mobile test site locations.
  - Track testing rate by census tract to identify underserved areas
  - Track positivity rate by census tract
- Maintain the testing capacity of the OptumServe test site, by retaining the site or identifying alternate testing options.
- Upgrade the MCDPH Lab with a high-volume PCR system and two Abbott machines to run tests locally and quickly.
- Assess options to increase local testing capacity, both specimen collection and lab processing.

## 3. Active Isolation and Rapid Contact Tracing

### Goals

- Prioritize population health and slowing the spread of COVID in every decision.
- Identify and solve systems challenges to rapidly reach cases and contacts, effective isolation and quarantine, and accurately track and report.
- Increase effective isolation with Project Room Key and Housing for the Harvest.
- With the time delay of testing and CalREDIE reporting, cases identified early enough to be useful are delivered in-person isolation instructions, quarantine instructions for household members, a tool to help them identify close contacts, and work releases.
- Prioritize contacts who are identified as high risk, and high-risk exposures to large groups.
- Hire locally to staff the Case Investigation and Contact Tracing Team that is representative of the County population.
- Exceed the state requirement for contact tracers.

## Principles

- Maintain the team of culturally responsive local CD nurses, CDIs, extra help contact tracers and investigators.
- Provide targeted rapid contact tracing and isolation support to the Ag community through a contract with the Central Valley Opportunities Center.
- Deliver isolation/quarantine instructions and conduct safety assessment in-person rather than relying on calls alone. Conserve PPE by delivering to the door and then conducting safety check by phone from car (in line of sight of the contact when possible).
- Keep isolation/quarantine team on call to respond quickly.
- Upgrade systems routinely. Watch for bottle necking among the team and require active delegation of tasks.

## Delegated Authority to Healthcare Providers

- Empower healthcare providers to isolate and quarantine individuals and contacts.
- Provide isolation and quarantine instructions and work releases for providers to distribute.

## Support Cases and Contacts in Isolation/Quarantine

The Support Team provides appropriate services and supports to all in isolate and quarantine to care for residents and facilitate compliance.

## Goals

- Identify resources needed during first case investigation call to increase isolation and quarantine compliance.
- Provide resources consistently at a reasonable cost.
- Provide temporary housing units to shelter at least 15% of county residents experiencing homelessness in case of an outbreak among this population requiring isolation and quarantine of affected individuals.

The Fresno Madera Continuum of Care Point in Time homeless count for 2019 indicated that Madera County has 377 homeless individuals. The Madera County local government and Community Action Partnership of Madera County (CAPMC) have established contracts to be able to house a maximum capacity of 62 individuals or 16.4% of the homeless population and/or individuals under isolation or quarantine in Madera County. Breakdown of housing capacities is presented below:

- Local hotels: 50 rooms
- Travel Trailers: 4 people
- Madera Rescue Mission: 8 single-occupant isolation rooms

## Empower People to Self-Isolation and Self-Quarantine

[www.valleycovidhelp.com](http://www.valleycovidhelp.com) and [www.ayudadelvallecovid.com](http://www.ayudadelvallecovid.com)

- Help people with symptoms to isolate prior to a test result.
- Help people with symptoms to identify and contact their close contacts directly.
- Help people find out if they have been exposed and how to quarantine.

## Employer Screening

- Provide tools and instructions for daily screening of employees for COVID symptoms.

## 4. Protect High Risk/Vulnerable Populations

### Ag Taskforce

Intervention Components	Implementation
<p>1. Targeted Communication</p> <ul style="list-style-type: none"> <li>○ Masking campaign</li> <li>○ <a href="http://www.ayudadelvalleccovid.com">www.ayudadelvalleccovid.com</a></li> <li>○ Farmworker COVID Hotline – 559-710-2000</li> <li>○ <a href="http://www.cosechasana.org">www.cosechasana.org</a></li> <li>○ On-site education: COVID symptoms, wage replacement, etc.</li> <li>○ Assistance available for workers</li> </ul>	<ul style="list-style-type: none"> <li>● MCDPH</li> <li>● Central Valley Community Foundation (CVCF) – Messaging Campaigns</li> <li>● California Farmworkers Foundation (CFF) – Hotline &amp; Education</li> <li>● Central Valley Opportunities Center (CVOC), Centro Binacional para el Desarrollo Indígena Oaxaqueño (CBDIO), and CFF – Direct education</li> </ul>
<p>2. Prevention and Mitigation Measures with Growers and FLC (Farm Labor Contractor)</p> <ul style="list-style-type: none"> <li>○ Education</li> <li>○ Liaison on guidance implementation</li> <li>○ Employer screening: temp check, symptoms</li> <li>○ PPE</li> <li>○ Sanitation – disinfecting surfaces, hand wash stations</li> <li>○ Carpooling – explore options to reduce high-risk crowded transportation</li> <li>○ Resources to implement prevention and mitigation strategies</li> <li>○ Assistance for workers – rental, energy, water bills</li> </ul>	<ul style="list-style-type: none"> <li>● CVOC</li> <li>● Help from: Ag Commissioner, Madera Farm Bureau, Community Action Partnership of Madera County (CAPMC), United Farmworkers, MUSD Family Resource Centers, CBDIO</li> </ul>
<p>3. Testing</p> <ul style="list-style-type: none"> <li>○ Testing intake</li> <li>○ On-call mobile testing unit: symptomatic and outbreak triage</li> <li>○ Asymptomatic surveillance testing to address the difficulty in paying for quarantine supports</li> </ul>	<ul style="list-style-type: none"> <li>● CVOC and CFF – testing intake</li> <li>● Camarena Health</li> <li>● MCDPH Mobile Test Unit</li> <li>● Menu of testing options coming from the state</li> </ul>
<p>4. Positive Tests</p> <ul style="list-style-type: none"> <li>○ Outbreak triage team: <ul style="list-style-type: none"> <li>▪ Deploy on-call mobile testing</li> <li>▪ Case investigation and contact tracing</li> </ul> </li> <li>○ Isolation/Quarantine <ul style="list-style-type: none"> <li>▪ Farmworker COVID Hotline (CFF)- screening questions for eligibility for hotel room: Funded by CVCF</li> <li>▪ Isolate without a positive test - blanket referral from Dr. Paul</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● CVOC</li> <li>● MCDPH</li> </ul>

<ul style="list-style-type: none"> <li>▪ County agency who carries the baton from CFF: <ul style="list-style-type: none"> <li>○ Housing for the Harvest</li> <li>○ Transportation to and from</li> <li>○ Wrap around resources: food, Rx, etc.</li> </ul> </li> </ul>	
<p>5. Vaccination</p> <ul style="list-style-type: none"> <li>○ Education and outreach</li> <li>○ Registration support</li> <li>○ Vaccine administration</li> </ul>	<ul style="list-style-type: none"> <li>• CVOC</li> <li>• CBDIO</li> <li>• Leadership Council for Justice and Accountability</li> <li>• Lideres Campesinas</li> <li>• United Way</li> <li>• MCDPH</li> <li>• Camarena Health</li> <li>• Madera Community Hospital</li> <li>• Valley Children’s Healthcare</li> <li>• Pharmacies</li> </ul>

**Skilled Nursing Facilities and Congregate Senior Living**

Madera Rehab & Nursing Facility	John Batt	559-673-9228 william.Batt@maderahcc.com
Avalon Health Care	Alexandria Hobbs	559-673-9278 alexandria.hobbs@avalonhealthcare.com
Cedar Creek	Shawnee Jackson	559-673-2345
Palms Care Center	Regan Hawk	559-665-4826 administrator@chowchillahc.com
Chowchilla Memorial Health	Cathy Flores	559-665-3781

- Follow the direction of the CDPH AFL, our SNF’s are carrying out surveillance testing of staff monthly, and resident testing as indicated by outbreak status after baseline testing of all residents.
- The majority of our SNF’s have established contracts with outside laboratories to carry out the volume of testing they will require. One SNF is still working on establishing an outside vendor for testing.
- Provide same-day rapid turnaround testing for any new symptomatic patients or staff where a positive result would significantly change management (i.e. if the patient is isolated in quarantine already, at times rapid testing will not change management and tests can be sent to their outside contracted laboratory).
- SNF outbreaks: Department Epidemiologist assists SNF’s in assessment and infection control, and to provide a point person for any SNF experiencing an outbreak to contact within the MCDPH.
- SNF's have developed infection control mitigation plans as required by the CDPH HAI team, and these plans are either approved or being finalized. We continue to work closely with SNF’s to assess and meet any PPE requirements

**Weekly conference call with all Madera SNF's**

- Share best practices

- Address urgent matters
- Critical to developing testing capability for each SNF and supplying testing supplies to all
- Supplying testing materials has allowed them to test any even minimally symptomatic patients, and we run those tests in our own laboratory with a 1-2 hour turnaround time.
- Health Officer is in frequent contact with our SNF's for issues such as testing coordination and managing HCW's. Our staff epidemiologist works closely with any SNF experiencing a COVID outbreak, providing guidance on management of the outbreak.

### **SNF coalition**

MOUs from all SNFs and can often provide staffing if they have excess staffing. Establishing an MOU to provide for staffing exchanges between our healthcare facilities if needed has been discussed but is not currently in place. The SNFs and living centers are responsible for assessing their own facilities for staffing needs. If there is a staffing need identified, the facilities will need to provide a request to their corporate office, if applicable. If no staffing can be provided through this process or if there are no other SNFs or living centers within the corporate chain that can provide staffing, the facilities can request staffing identify staffing needs through the SNF coalition. If the SNF coalition cannot provide staffing, the facilities will then communicate staffing shortage through the Madera County MHOAC, which then will reach out to the operational areas to search for available staffing. Operational areas can include hospitals, clinics, schools, and others. When Madera County does not have the capacity to fulfill this request, the request can be escalated to the region 5 counties, state, and federal.

### **PPE**

Skilled nursing facilities (SNF) have >14-day supply of PPE on hand for staff, with established process for ongoing procurement from non-state supply chains. Please list the names and contacts of all SNFs in the county along with a description of the system the county must track PPE availability across SNFs.

The MHOAC receives a daily SNF survey conducted by CDPH that reports PPE inventory such as gloves, masks, and gowns. The MHOAC receives the surveys daily and reviews the SNFs survey to identify staff and PPE shortages. If the SNFs do not reach out to the MHOAC for resource request, then the MHOAC reaches out to the SNFs to inquire about their PPE needs. In addition, the MHOAC provides situation awareness and receives situation updates from the SNFs as well. Shortages are determined by skilled nursing facilities' self-report to these questions:

1. Are you short of masks and gloves?
2. What are the specific PPE needed
3. Is resource needs communicated to Public Health or MHOAC?
4. What is the PPE supply and estimated PPE burn rate?

Skilled nursing facilities that identified a shortage in PPE will be followed-up by the MHOAC team to address needs.

### **County Jail, County Juvenile Hall, and State Prisons**

- Representative in the Emergency Operations Center
- County Jail with 563 inmates, County Juvenile Hall with 30 inmates, and two State Prisons with approximately 5,590 inmates combined.
- Baseline surveillance testing of staff has been completed and they are contracting with an outside laboratory to carry out ongoing surveillance testing.

- Testing of symptomatic inmates and quarantine of contacts.
- Quarantine all new inmates with testing prior to release from quarantine.
- MCDPH is in frequent communication with our County Jail staff. To date we have reviewed management of all symptomatic inmates and staff, COVID+ test results and management of cohorting and isolation of inmates as needed.

#### **Madera Rescue Mission**

- 42 male beds and 15 female beds
- Monthly testing of symptomatic residents and staff.

#### **IHSS Workers and County and City staff serving the public**

- All worksites are carrying out active symptom and temperature surveillance
- The MCDPH has offered rapid testing for all first responders and staff that work closely with the public to assist in evaluating any symptomatic staff. We also provide testing for workers in quarantine to assist in prevention of transmission.
- MCDPH also helps IHSS and county/city staff in assessing PPE needs and supplying PPE when needed.
- Staff are also aware of all county testing options including Optum Serve and our Mobile testing unit schedule.

#### **Healthcare Providers and In-Patients**

Madera Community Hospital, Valley Children’s Healthcare, and Camarena Health (FQHC) all carry out testing of their staff, primarily driven by exposure history, contact tracing and presentation with symptoms. VCH also offers testing up to 1 x per month for any staff concerned about exposure to COVID. None of these sites have reported any workplace related transmission to date (they have had COVID + staff from exposures outside of work)

#### **Senior Self-Care and Emotional Support**

- Provided by Valley Caregiver Resource Center
- Interactive weekly call to promote socialization, community cohesion, companionship, enhanced physical and cognitive health, positivity and self-esteem, and staying active designed to promote self-care and emotional support.

## **5. Partner to Reduce COVID Transmission Risk**

#### **Partners**

- Madera County Sheriff’s Department (Office of Emergency Services)
- County Departments including Administration, Community and Economic Development (planning, environmental health, code enforcement), Human Resources, Social Services, Behavioral Health, and District Attorney
- City of Madera and Chowchilla including law enforcement, code enforcement, and planning)
- Madera Community Hospital
- Valley Children’s Healthcare
- Camarena Health (FQHC)
- Businesses and Chambers of Commerce
- Ag Commissioner



- Farm Bureau
- Superintendent of Schools and School Districts
- Community Action Partnership of Madera County
- Madera Fairgrounds
- Madera County Courts
- Community members

### **Communication with Partners**

- Daily emails to partners
- Regular calls with executives across sectors, healthcare, county and city licensing and code enforcement, school districts; regular presentation with community groups.
- Briefings to the County Board of Supervisors and City of Madera Council twice monthly
- Consistent community and partner education in English and Spanish:  
<https://www.facebook.com/MaderaCountyPublicHealth>
- [Community Feedback Form](#): Respond to every communication daily unless an accurate requires research.

### **Post, Promote, Monitor, and Enforce State Guidances**

#### [Guidance and Opening/Closure by State Order](#)

- All engagement channels are used – Facebook, website, phone, email, in-person visits.
- Madera County has influence community behavior primarily through education, providing practical tools and technical assistance, leveraging market forces, and seeking voluntary compliance.

#### [Business Technical Assistance and Essential Workers](#)

- Extensive outreach using public health staff, police, and code enforcement staff to assist all businesses that are open or planning to open in developing site specific risk assessment and mitigation plans.
- 500 businesses in our County, the majority of which are considered essential given the preponderance of agriculture and essential retail in our business profile.
- Act on each community concern about a business in a timely manner.
- Connect with businesses and provide technical assistance.
- If the issue is a clear violation of state or our law enforcement partners visit the business and address the issues.
- Weekly call with our county and city code enforcement as well as ABC to provide business support and address business compliance issues.
- Business or sectors contributing to worsening covid-19 outbreaks could be closed by health officer order. Health orders will be responsive to local conditions.

### **MHOAC**

- Educate partners and provide technical assistance to appropriately use the MHOAC in securing resources not available through direct procurement.
- Respond to resources requests the day they are received.
- Investigate resource requests to identify true needs and potential local procurement options.
- Monitor healthcare PPE supplies (N95, other face masks, face shields, PAPR hoods, eye protection, gloves, gowns, etc.) using WebEOC, the daily California Hospital Association survey, and regular communication with Madera Community Hospital, Valley Children’s Healthcare, Camarena Health, skilled nursing facilities and other healthcare providers.

- Insure a minimum of one week of PPE among partners and availability of supplies (disinfectant, essential protective gear) to protect essential workers.
- Track requests through RDMHS.

### **Regional Collaboration**

- Greater Yosemite Area Coordination Team: Mariposa, Madera, and Tuolumne Counties, and Yosemite National Park. Bi-weekly calls.
- San Joaquin Valley Public Health Consortium: 11 central California counties. Bi-weekly calls.
- Regular coordination between neighboring counties for contact tracing.

## **6. Vaccination**

### **Establish Vaccination Access**

- Recruit vaccination providers and ensure coordination for vaccine prioritization and access
- Stand up vaccination Clinics/PODS
- Deploy mobile vaccination Clinics/PODS
- Monitor Vaccination Providers throughout the County
- Establish methods for registration assistance
  - 311
  - Contracts with community-based partners

### **Administer Vaccine and Expand Eligibility Following State Prioritization**

- Manage inventory and schedule clinics to minimize vaccine in inventory
- Assess groups that will soon be eligible and plan for sub-prioritization and equitable distribution
  - Gather data
  - Engage partners in identifying needs and barriers for each group and developing strategies for equitable distribution

## **7. Clear Messaging**

### **Communication Principles**

- Provide all communications in English and Spanish languages at a reading level appropriate to community
- Tailor messaging using data, guidance, and community questions and feedback.
- Provide multiple ways for the public to access timely information.
- Target messaging to reach vulnerable and hard-to-reach populations.
- Leverage partnerships to increase reach and target messaging effectively, prioritizing vulnerable populations.
- Partner regionally to increase reach of limited resources and create unified messaging within our media market.

### **Key Messages**

- Follow state and local guidance
- Universal face covering
- Don't feel great- self-isolate.

- If gathering, gather safely
- Testing is quick, free, fast, and easy
- Testing is important even if you are not sick
- Testing helps us re-open safely(English only)
- Flu and COVID share many symptoms: Get vaccinated

## Messaging Platforms

- Media
  - Regular press releases
  - Targeted stories with media partners
  - Respond to media requests within 24 hours
  - Bilingual Radio PSAs and expansion to indigenous languages
  - TV News: at least monthly appearances on TV targeted towards Spanish/farmworker community
- Websites
  - [www.maderacounty.com/covid19](http://www.maderacounty.com/covid19)
  - [www.maderacounty.com/covid19testing](http://www.maderacounty.com/covid19testing)
  - [www.valleycovidhelp.com](http://www.valleycovidhelp.com)
  - [www.ayudadelvalleccovid.com](http://www.ayudadelvalleccovid.com)
- Facebook, Twitter, and Instagram
  - Posting 3-4 times daily in English and Spanish
  - Recorded video messages
  - Facebook Live sessions to answer questions
- 311/211 Call Center
  - Staffed by County Administration
  - Script updated weekly
- Mailers/Fliers
  - Posting and distributing at key locations in the community for hard to reach groups
  - Mailed out in partnership with school district.
- #MaskUpCV Campaign (this is currently over but may be re-invigorated later as needed)
  - Paid media by the Central Valley Community Foundation
  - Random \$100 gift cards awarded to individuals in the community who are wearing a mask
- Madera Unified School District
  - Use of parent square app to push testing and other messages to school parents