Public Health Emergency Officer (PHEO) COVID-19 Conditions Assessment

17 August 2020
Outline

• Monterey County Health Department Metrics
• Monterey County: What’s Next for Business Reopening?
• Presidio of Monterey and Surrounding Area Conditions Assessment
  1. Local Case Rate
  2. Influenza-Like Illness (ILI) & COVID-19-Like Illness (CLI) Trends
  3. Capacity to Treat
  4. Capacity to Test
  5. Capacity to Monitor
  6. Local Travel Restrictions
  7. Incidence/100,000 over 14-days
• Criteria Summary
Monterey County Health Department
### Monterey County Health Department Metrics

<table>
<thead>
<tr>
<th>Indicator or Metric*</th>
<th>Baseline at Variance Application Submission</th>
<th>Threshold for Considering Modifications</th>
<th>Current Status**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ability to Test, Contact Trace, Isolate, and Support the Exposed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-Day cumulative COVID-19 incidence per 100,000 population</td>
<td>28.6</td>
<td>≥32</td>
<td>369.0***</td>
</tr>
<tr>
<td>Percent of cases reached by public health teams</td>
<td>98.3%</td>
<td>&lt;90%</td>
<td>97.0%</td>
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<tr>
<td>Percent of Alternative Housing Site Beds designated for individuals diagnosed with COVID-19 or who are awaiting test results that are filled</td>
<td>2%</td>
<td>≥25%</td>
<td>14%</td>
</tr>
<tr>
<td>Ability to Protect Those at High Risk for COVID-19</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Percent of Skilled Nursing Facilities with no new cases in the last 14 days</td>
<td>94%</td>
<td>&lt;75%</td>
<td>50%</td>
</tr>
<tr>
<td>Number of COVID-19 related deaths over last 14 days</td>
<td>2</td>
<td>≥5</td>
<td>12</td>
</tr>
<tr>
<td>Surge Capacity for Hospitals and Health Care System</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7-Day average of daily percent change in total number of hospitalized COVID-19 patients</td>
<td>-0.2%</td>
<td>≥5%</td>
<td>2%</td>
</tr>
<tr>
<td>Percent of ICU beds available averaged over the last 14 days</td>
<td>71%</td>
<td>&lt;54%</td>
<td>30%</td>
</tr>
<tr>
<td>Percent of Monterey County hospitals with ≥14 days’ supply of personal protective equipment (PPE)</td>
<td>100%</td>
<td>&lt;75%</td>
<td>****</td>
</tr>
<tr>
<td>Epidemiology and General Surveillance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall test positivity rate for the past 7 days</td>
<td>2.3%</td>
<td>28%</td>
<td>14.8%***</td>
</tr>
<tr>
<td>Case doubling time (7 day lag)</td>
<td>29 days</td>
<td>&lt;8 days</td>
<td>43 days</td>
</tr>
</tbody>
</table>

*Unless otherwise specified, all indicators and metrics are calculated using a one-day lag. Counting for measuring the metric starts on “Current Status” date.

**Current status as of August 16, 2020.

***Note: Data are being cleaned following an issue with processing electronic laboratory reports in the statewide surveillance system. Data should be interpreted with caution.

****The California Hospital Association and California Department of Public Health are no longer reporting greater than or equal to 14 days’ supply of personal protective equipment (PPE) by hospital.
Presidio of Monterey & Surrounding Area Conditions Assessment
OSD/HQDA Gating Criteria

1. Local Case Rate and % Positive COVID-19
2. Influenza-Like Illness (ILI) and COVID-19 Like Illness (CLI)
3. Capacity to Treat
4. Capacity to Test
5. Capacity to Monitor
6. Local Travel Restrictions
7. Incidence Rate
1. Local Case Rate/% Positive

NOTE: Since approximately 25 JUL 2020, California electronic lab reporting system (CalREDIE) experienced a significant backlog. Recent weekly trends include lab reports that may be from 1-2 weeks prior. Therefore, data must be interpreted with caution.
Tri-County COVID-19 New Cases/Week

As of 17 AUG 2020

Tri-County: 1498
Monterey County: 1168

Week (7-days)

- Week 17 (21-27 JUN) San Benito: 36, Santa Cruz: 53, Monterey: 413, Tri-County (All): 1498
- Week 18 (28 JUN - 4 JUL) San Benito: 67, Santa Cruz: 110, Monterey: 516, Tri-County (All): 1168
- Week 19 (5-11 JUL) San Benito: 87, Santa Cruz: 110, Monterey: 618, Tri-County (All): 1498
- Week 20 (12-18 JUL) San Benito: 86, Santa Cruz: 211, Monterey: 822, Tri-County (All): 1498
- Week 21 (19-26 JUL) San Benito: 88, Santa Cruz: 135, Monterey: 844, Tri-County (All): 1498
- Week 22 (27 JUL- 1 AUG) San Benito: 111, Santa Cruz: 245, Monterey: 774, Tri-County (All): 1498
- Week 23 (2-8 AUG) San Benito: 71, Santa Cruz: 471, Monterey: 820, Tri-County (All): 1498
- Week 24 (9-15 AUG) San Benito: 118, Santa Cruz: 211, Monterey: 638, Tri-County (All): 1498
Tri-County 7-Day Rolling Incidence Rate/100,000

Green = Sustained reduction of COVID-19 positive case rate for 14 or more days
Amber = Sustained reduction of COVID-19 positive case from 7 to 13 days
Red = Sustained reduction of COVID-19 positive case rate from 0-6 days

Monterey County:
Total Population = 766,393
Monterey County Population = 433,212

Santa Cruz County Population = 273,765
San Benito County Population = 59,416
Population Data Source: Center for Applied Research and Engagement Systems (CARES); 2020

Note: Data includes records processed and de-duplicated from the backlog of reports associated with the statewide surveillance system's lab routing issue. The data cleaning process is ongoing locally. Data will be adjusted as case interviews are conducted and additional laboratory reports are received. Therefore, data should be interpreted with caution.
Tri-County Weekly Total New COVID-19 Tests

Week 16 (14-20 JUN): POM 5284, Monterey 3078, Santa Cruz 34, San Benito 593, Tri-County (All) 8955
Week 17 (21-27 JUN): POM 4650, Monterey 2174, Santa Cruz 34, San Benito 630, Tri-County (All) 7790
Week 18 (28 JUN - 4 JUL): POM 4738, Monterey 2775, Santa Cruz 47, San Benito 966, Tri-County (All) 8143
Week 19 (5-11 JUL): POM 4102, Monterey 2707, Santa Cruz 48, San Benito 993, Tri-County (All) 7802
Week 20 (12-18 JUL): POM 4549, Monterey 1897, Santa Cruz 48, San Benito 763, Tri-County (All) 7209
Week 21 (19-25 JUL): POM 5550, Monterey 3092, Santa Cruz 21, San Benito 806, Tri-County (All) 9448
Week 22 (26 JUL - 1 AUG): POM 5156, Monterey 1715, Santa Cruz 23, San Benito 64678, Tri-County (All) 6850
Week 23 (2-8 AUG): POM 3463, Monterey 2678, Santa Cruz 39, San Benito 509, Tri-County (All) 7982
Week 24 (9-15 AUG): POM 2674, Monterey 980, Santa Cruz 19, San Benito 2674, Tri-County (All) 11636
**Tri-County 7-Day Rolling Percent Positive**

Green = Sustained reduction of COVID-19 positive test rate for 14 or more days
Amber = Sustained reduction of COVID-19 positive test rate from 7 to 13 days
Red = Sustained reduction of positive test rate from 0-6 days

<table>
<thead>
<tr>
<th>Monterey County</th>
<th>Tri-County</th>
<th>U.S.</th>
<th>CA</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>11%</td>
<td>7.1%</td>
<td>6.9%</td>
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</table>

U.S. = 7.1%
CA = 6.9%
(CA, Johns Hopkins; US, CDC, as of 17 AUG 20)

As of 17 AUG 2020
2. Influenza-Like Illness (ILI) & COVID-19-Like Illness (CLI) Trends
National and CA Influenza-Like Illness (ILI)

Monterey & Tri-County ILI/CLI

Green = Sustained reduction of ILI/CLI for 14 or more days
Amber = Sustained reduction of ILI/CLI from 7 to 13 days
Red = Sustained reduction of ILI/CLI from 0-6 days

Source: https://aduna.data.mil/landing/analytics/covid19
3. Capacity to Treat
Capacity to Treat Summary

- Military Medical Treatment Facilities (MTFs) and associated civilian healthcare networks ability to treat all patients requiring hospitalization. Reliable supply chain exists to support PPE requirements.

- **NOT MET/AMBER: 3.2 ICU beds /10K adult population. Monterey County** reported that they have the capacity to accommodate COVID-19 patients at a volume of ≥35% of baseline average daily census (829 beds, including 148 ICU); local hospitals have robust plan to protect hospital workforce.

Green = Ability to expand to 6 or more ICU beds/10K of the adult population at risk leveraging MTF ICU AND/OR local community hospitals

Amber = Between 3 and 5 ICU beds/10K of the adult population at risk leveraging MTF ICU AND/OR local community hospitals

Red = 2 or less ICU beds per/10K of the adult population at risk leveraging MTF ICU AND/OR local community hospitals
4. Capacity to Test
Capacity to Test Summary

- Capacity exists to test individuals with COVID-19 symptoms and other at risk populations. Testing requirements are defined as the number of tests needed to perform over a given timeframe. Testing capacity is a combination of installation and surrounding community testing throughput capacity.

- **MET/GREEN:** Testing capacity exceeds requirement to test; Monterey County has the ability to test 1.6/1K daily; POM has the ability to test 8/1K daily.

Green = Capacity to test exceeds the daily requirement to test
Amber = Capacity to test meets the daily requirement to test
Red = Testing requirement exceeds capacity
5. Capacity to Monitor
Capacity to Monitor Summary

- Installation’s ability to contact trace, and monitor the symptoms of individuals who have been identified as positive for COVID-19, and the ability to monitor those in quarantine and isolation.

- **MET/GREEN:** Both POM and Monterey County Health Department have sufficient contact tracing and monitoring capability. (POM 4/10K; MCHD 1/10K [44 contact tracers] with plan to expand to 1.5/10K [65])

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
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<tbody>
<tr>
<td>Green</td>
<td>Both installation and local public health authorities (or combination of the two) have sufficient contact trace, and monitoring capability</td>
</tr>
<tr>
<td>Amber</td>
<td>Either installation or local public health authorities have sufficient contact trace, and monitoring capability</td>
</tr>
<tr>
<td>Red</td>
<td>Neither installation nor local public health authorities have sufficient contact trace, and monitoring capability</td>
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</tbody>
</table>
6. Local Travel Restrictions

No County or Tri-County travel restrictions; tourism resumed
7. 14-Day Incidence/100K
**Tri-County 14-Day Incidence/100,000**

- **Red** = Incidence ≥ 50 new cases/100K over 14 days
- **Amber** = Incidence between 11 and 49 new cases over 14 days
- **Green** = ≤10 new cases/100 over 14 days

Two-Weeks (14-days)

- **Monterey County**
  - Week 23-24 (2-15 AUG): 384
- **Tri-County**
  - Week 23-24 (2-15 AUG): 323

**Total Population** = 766,393
- **Monterey County Population** = 433,212
- **Santa Cruz County Population** = 273,765
- **San Benito County Population** = 59,416

**Population Data Source:** Center for Applied Research and Engagement Systems (CARES); 2020

**Cumulative Incidence/100,000**
- **Monterey County** = 1,491/100K
- **Tri-County** = 1,144/100K
- **CA** = 1,556/100K
- **U.S.** = 1,636/100K
<table>
<thead>
<tr>
<th>Condition</th>
<th>Criteria</th>
<th>Threshold</th>
<th>Status</th>
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<tbody>
<tr>
<td>1. Local Case Rate</td>
<td>Downward trajectory of new documented COVID-19 positive cases within a 14-day period OR Downward trajectory of new COVID-19 positive tests as a percent of total tests within a 14-day period</td>
<td>Green = Sustained reduction of COVID-19 positive case rate AND/OR COVID-19 positive test rate for 14 or more days Amber = Sustained reduction of COVID-19 positive case rate AND/OR COVID-19 positive test rate from 7 to 13 days Red = Sustained reduction of COVID-19 positive case rate AND/OR COVID-19 positive test rate from 0-6 days</td>
<td>RED- No downward trend in local case rate or percent positivity in both Monterey and Tri-County. NOTE: Since approximately 25 JUL 2020, California electronic lab reporting system (CalREDIE) experienced significant backlog. Recent weekly trends include lab reports that may be from 1-2 weeks prior. Therefore, data must be interpreted with caution.</td>
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<tr>
<td>2. Influenza-Like Illness (ILI) and COVID-19 Like Illness (CLI)</td>
<td>Downward trajectory of reported cases of ILI and CLI over the preceding 14-day period.</td>
<td>Green = Sustained reduction of ILI/CLI for 14 or more days Amber = Sustained reduction of ILI/CLI from 7 to 13 days Red = Sustained reduction of ILI/CLI from 0-6 days</td>
<td>GREEN- Tri-county and Monterey County ILI/CLI both decreasing steadily for &gt;14 days</td>
</tr>
<tr>
<td>3. Capacity to Treat</td>
<td>Military Medical Treatment Facilities (MTFs) and associated civilian healthcare networks ability to treat all patients requiring hospitalization. Reliable supply chain exists to support PPE requirements.</td>
<td>Green = Ability to expand to 6 or more ICU beds/10K of the adult population at risk leveraging MTF ICU AND/OR local community hospitals Amber = Between 3 and 5 ICU beds/10K of the adult population at risk leveraging MTF ICU AND/OR local community hospitals Red = 2 or less ICU beds per/10K of the adult population at risk leveraging MTF ICU AND/OR local community hospitals</td>
<td>AMBER- 3.2 ICUs/10K adult population; MCHD reported that local hospitals have the capacity to accommodate COVID-19 patients at a volume of ≥ 35% of baseline daily census (829 beds, including 148 ICU)</td>
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<td>4. Capacity to Test</td>
<td>Capacity exists to test individuals with COVID-19 symptoms and other at risk populations. Testing requirements are defined as the number of tests needed to perform over a given timeframe. Testing capacity is a combination of installation and surrounding community testing throughput capacity.</td>
<td>Green = Capacity to test exceeds the daily requirement to test Amber = Capacity to test meets the daily requirement to test Red = Testing requirement exceeds capacity</td>
<td>GREEN- Monterey County has the ability to test 1.6/1K daily; POM has the ability to test 8/1K daily</td>
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<td>5. Capacity to Monitor</td>
<td>Installation’s ability to contact trace, and monitor the symptoms of individuals who have been identified as positive for COVID-19, and the ability to monitor those in quarantine and isolation.</td>
<td>Green = Both installation and local public health authorities (or combination of the two) have sufficient contact trace, and monitoring capability Amber = Either installation or local public health authorities have sufficient contact trace, and monitoring capability Red = Neither installation nor local public health authorities have sufficient contact trace, and monitoring capability</td>
<td>GREEN: Both the Installation (3/10K) and County (1.5/10K) have sufficient trace capability.</td>
</tr>
<tr>
<td>6. Local Travel Restrictions</td>
<td>Removal of local travel restrictions</td>
<td>Green = Removal of local travel restrictions Red = Local travel restrictions</td>
<td>GREEN- No County travel restrictions; tourism resumed</td>
</tr>
<tr>
<td>7. Incidence Rate</td>
<td>Number of new cases per 100K over past 14 days</td>
<td>Red = Incidence ≥ 50 new cases/100K over 14 days Amber = Incidence between 11 and 49 new cases over 14 days Green = ≤10 new cases/100 over 14 days</td>
<td>RED- Monterey County had 384.1 cases per 100K over past 14 days; Tri-County had 281.9 cases per 100K over past 14 days</td>
</tr>
</tbody>
</table>
Way Forward

• Continue to monitor local, state, and national data and trends

• Senior Leadership will make decisions on reducing restrictions/HPCON changes

• Expect evolving policy guidance and changes
Questions?

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(831) 234-9510