

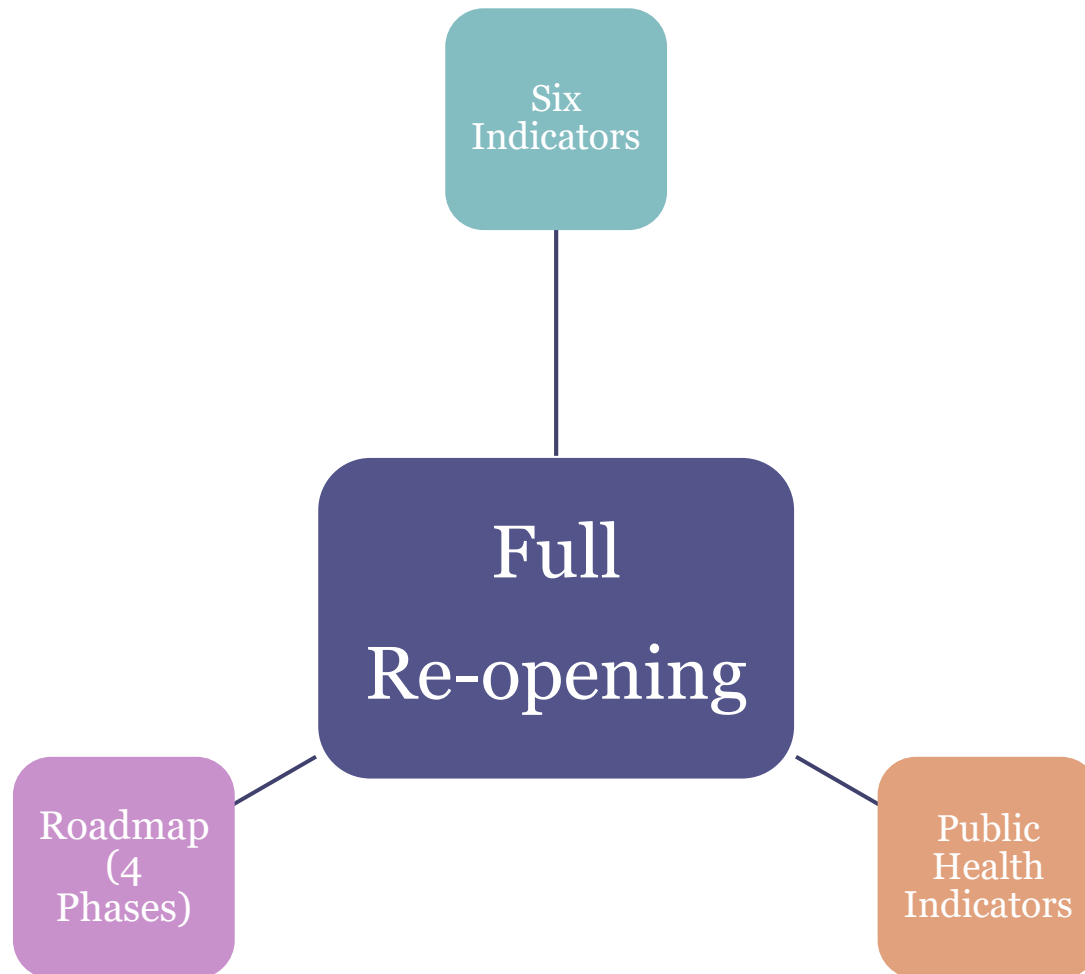


OC Health Care Agency COVID-19 Update

April 28, 2020

LSimmering, 4/27/2020

State's Current Policy Frameworks



Public Health Indicators

Primary Indicator: **Hospital Rate**

- Sufficient hospital ICU bed/staffing capacity and ventilator supply
- Sufficient PPE for healthcare workers for Phase II of Roadmap
- Sufficient PCR testing capacity and supplies
- Demonstrated protection of staff in Skilled Nursing Facilities (SNF)
- Congregate Settings (i.e. homeless shelters, SNFs, etc.)
- Counties develop or demonstrate existence of contact tracing scale-up framework



Public Health Indicators: Orange County

PH Indicators – Sufficient Hospital ICU Capacity and Ventilator Supply?

Current Status

Answer: Yes

- **ICU Capacity as of 4/26/20:**
347 out of 673 beds occupied (51% occupation rate)
- **Ventilators:**
804

+28% Surge*

Answer: Yes

- **ICU Capacity:**
+143 ICU beds
- **Ventilators:**
1,232 (428 county stockpile)

+70% Surge*

Answer: Yes, by April 30, 2020

- **ICU Capacity:**
+409 ICU beds
- **Ventilators:**
1,732 (500 on order)

500 Ventilators were requested on March 15, 2020. None received to date.

**Surge is measured against the increase above licensed hospital capacity.*

PH Indicators – Sufficient PPE/Medical Supplies for Phase II ?

ANSWER: No. Major items are still hard to acquire nation-wide. Need the supply chain to scale up quickly and prioritize need to meet demand.

Total Activity		
INQUIRIES	RR RECEIVED	RR FILLED
7,560	4,082	3,034 (74%)

Inventory Report February 18 to April 26, 2020	
Medical Supply/Equipment Total Units Distributed	
N95 Mask	1,509,098
Surgical Mask	214,249
Gowns	199,309
PPE-Suit	8,344
Gloves	207,500
Eye Protection	45,352
Hand Sanitizer	81,864
Other Items	18,184
Total Units	2,283,900

Depleted: Thermometers, Isolation Gowns, Hand Sanitizers, Extraction Kits, Swabs, Wipes/Cleaners

PH Indicators – How to Determine Sufficient PCR Testing?

Answer: We start measuring countywide/system-wide capacity.

Disease Burden

- OC Case Fatality Rate (**1.7%**) is less than CA and US.
- Doubling Time has increased by **8.9 days** since 3/15/2020.

Conclusion

- OC is testing all populations the CDC recommends.
- Measures taken by the Board of Supervisors have been effective in slowing the spread.

Capacity

- Total Tests To-Date: **26, 347**
- Countywide Lab Capacity Needed to Meet State Goals: **4,000 tests per day**
- Testing Sites:
 - Hospitals: 7
 - County Testing Network: 7 **(100 tests/day)**
 - State sites coming online soon: **2 requested (130+ tests/day)**
- **OC System has this capacity, but specimen collection kits (swabs) and extraction kits are insufficient to meet capacity.**

PH Indicators – Adequate Protection of SNF Staff?

Answer: In progress to achieve adequate level.

Total Number of SNFs In Orange County: 84

Recent ‘Outbreaks’ (2 or more confirmed cases w/in 14 days): Anaheim Healthcare Center, Alamitos West Health & Rehabilitation, Huntington Valley Healthcare Center, Sea Cliff Healthcare Center

- Data for the week of 4/20/20 (this includes SNFs with only one case): 268 COVID + individuals (165 residents and 103 staff)

Testing Capacity: Yes, there is enough lab capacity in Orange County—**BUT-** **there is not enough supplies and PPE.** Possible solutions:

- State Testing Sites: SNF staff is a priority group.
- Increase supply of extraction kits, swabs, and PPE.
- SNF Strike Team coming online in May 2020.

Prevention Measures/Technical Assistance: UCI-HCA/PH Nursing Home Prevention Team

- Develop a Prevention Toolkit and Training to improve the infection prevention readiness for COVID-19 surge across nursing homes.
- Enroll 12 nursing homes to undergo intensive COVID-19 infection training.
- Support serologic and point prevalence PCR testing of residents and staff in select nursing homes to inform spread.

PH Indicators – Adequate Testing in Congregate Settings?

Answer: In progress to achieve adequate level, **unless there is a significant increase in outbreaks.**

Setting	Test Type/Provider	Availability
Skilled Nursing Facilities	Onsite PCR testing of symptomatic patients and contacts is coordinated by HCA/Public Health	Testing supplies are not sufficient to meet the demand; personnel are being added.
Jails	PCR testing of symptomatic inmates, all new inmates before releasing them into the general population, and all contacts in an outbreak is done by HCA/Correctional Health with support of HCA/Public Health	Testing supplies are sufficient at this time to meet the demand, personnel are being added to assist with volume.
Homeless Shelters	<p>Symptomatic individuals are immediately removed from any shelter in OC to HCA's Temporary Isolation Shelter, where PCR testing is conducted as part of intake. Voluntary isolation is provided until the individual is cleared by medical staff.</p> <p>The HCA/Public Health Communicable Disease Control program reviews all reports of COVID-19 cases in shelters and provides onsite PCR testing of residents and workers in shelters when an outbreak exists.</p>	Testing supplies are sufficient at this time to meet the demand, personnel are being added to assist with volume.

PH Indicators – Ability to Scale Up Contact Tracing?

Answer: Yes.

Program is currently nimble in ability to scale-up and down with additional scale ups planned for May.

Program Highlights:

- Program consists of existing Public Health staff and can scale up to 100 or down depending on need. (Currently at 75)
- Public Health estimates being able to do case management and contact tracing for approximately 1,000 cases/week with 100 Public Health staff.
- Program includes resources to support cases and contacts in isolation/quarantine as needed (housing, food, etc.)

What about Serology Testing?

Answer: Serology testing may inform surveillance and provide peace of mind.
However, serology tests should be used with caution.

Surveillance

- Serology testing provides evidence that a person has had previous COVID-19 infection.
 - It's currently unknown if previous infection provides immunity.
- Abbott Serology Test: PHL will be acquiring once it receives FDA-EUA (authorization)
- UCI Serology Surveillance Study

Mental Health

- Public opinion regarding Serology tests are based on knowing whether or not they had COVID-19.
- County of Orange Serology Testing Program
 - Employees and First Responders
 - Voluntary
 - FDA-EUA authorized tests
 - Must sign a consent form acknowledging disclaimers from serology test

Conclusion – Is Orange County Ready for Re-Opening?

What We Currently Have

- Strong indication that early actions of:
 - (1) Declaring an emergency early, and
 - (2) Implementing and reiterating the Governor's safer-at-home order, social distancing, and face covering guidance,Orange County has effectively flattened the curve.
- Adequate hospital capacity to allow for surge capacity.
- HCA/PH has a nimble contact tracing and surveillance program.

-HOWEVER-

None of this should replace continuing to practice social distancing, wear face coverings, and limit contact as much as possible, especially for at-risk populations.

What We Need

- More ventilators
- PPE, extraction kits, and swabs continue to be an impediment. Must be resolved in order for the county to be able to fully meet majority of state's public health indicators. **GOAL: Sufficient supply capacity for public and private labs to conduct 4,000 tests per day.**
- Insight from CDC and CDPH on how serology can inform surveillance.
- Stronger collaboration between all stakeholders in the county's healthcare system to achieve readiness.