

Medical Health Operational Area Coordination (MHOAC)
4/2/20

PUBLIC HEALTH (as of 4/2/20 1200)

- 656 COVID-19 cases in Orange County
- 13 COVID-19 deaths in Orange County
- 520 people tested by HCA Public Health Lab (PHL) and commercial labs since yesterday
- Total number of people tested by PHL and by commercial labs to date is 7,791
- HCA PHL has kits available to test 1,206 specimens
- Updated website: <https://occovid19.ochealthinfo.com/>
 - Case count webpage updated to reflect change in city/unincorporated area reporting
 - Added BHS guidance documents in seven additional languages
 - Graph depicting cases currently hospitalized and cases currently in ICU pending approval and posting
- CDC updated/new guidance posted in the last 24 hours:
 - [Healthcare Infection Prevention and Control FAQs for COVID-19](#) (April 1)
 - [Public Health Recommendations for Community-Related Exposure](#) (March 30)
- CDPH updated/new guidance posted in the last 24 hours:
 - [Face Coverings Guidance \(4/01/2020\)](#)
 - [Women and Families](#)
 - [Joint Guidance on Non-Discrimination in Medical Treatment for COVID-19](#) (March 30)
- Per City request, the Weekly Flu Recap (week 13) was uploaded today into WebEOC.

OVERVIEW OF CURRENT SITUATION (As of 4/02/20 0700)

Cases / Deaths

Worldwide: 962,977 / 49,180
Nationwide: 216,768 / 5,148
California: 9,907 / 216
Source: Johns Hopkins University & Medicine (<https://coronavirus.jhu.edu/map.html>)
Orange County (as of 04/01/20 1200): 656 Cases / 13 deaths

EMERGENCY MEDICAL SERVICES STATUS

- 9-1-1 & non-9-1-1 transports continue to be below normal

HOSPITAL STATUS

All hospitals have activated their Surge Plans to support COVID-19 prep & response. This includes but is not limited to screening all visitors & staff, cancelling elective procedures, utilizing OR/Pre-op areas for surge, expanding critical care and medical surgical beds, implantation of surge tents to screening & overflow. Just these efforts have increased the available bed capacity in OC to 21% or 1,024 beds bringing the available bed capacity to 5,903.

CURRENT HOSPITAL CAPACITY

Licensed Beds	
Total # of Hospital Beds	5,903
Total # of ICU Beds	673
Total # of Med/Surgical Beds	3,430
Total SURGE Beds	1,024
Total # of all other Beds	776
Total Ventilators	809

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Hospital Bed Availability – Bed Capacity: 4,879					
Date	Occupancy %	COVID+ Hospitalized	COVID+ in ICU (subset of hospitalized)	Staffed/Available Medical/Surgical Beds	Staffed/Available ICU Beds
3/26	67%				
3/27	67%	50	31	335	107
3/28	57%				
3/29	60%				
3/30	63%	94	46	480	130
All Hospital Surge Plans Activated – Increased bed capacity 21% (+1,024 beds) Total Capacity: 5,903					
3/31	53%	67	31	356	90
4/1	54%	115	47	345	79
4/2	52%	103	44	333	83
4/3					
4/6					
4/7					
4/8					
4/9					

These numbers fluctuate hourly due to changes in patient conditions. Data is gathered daily at one point in time. It's too early to gauge this information for worthiness – it will be more helpful in trending when we actually hit surge, peak & decrease surge.

SURGE MODELING

COVID-19 Scenario Forecasts, Orange County utilizing the Cornell Model from Kaiser

Orange Forecasts, based on Cornell model

3 scenarios, varying by intensity and mitigation

	% of Population Infected		
	10%	20%	40%
Model Inputs			
Total Population	3,252,459	3,252,459	3,252,459
Infection Rate	10%	20%	40%
% Symptomatic	50%	50%	50%
Day of Maximum Cases	90	90	60
Peak	Flat	Flat	A bit peaked
Total Infected (over course of epidemic)	325,246	650,492	1,300,984
Symptomatic (over course of epidemic)	162,623	325,246	650,492
Cumulative Hospitalizations 90 days out from today	9,979	19,958	48,405
General Hospitalizations	6,865	13,730	33,299
ICU	3,114	6,228	15,106
Estimated Ventilator Patients	1,557	3,114	7,553
Cumulative Deaths 90 days out	1,483	3,174	7,744
Hospital Occupancy at Peak	1,108	2,288	12,163
General Hospitalizations	662	1,359	7,426
ICU	445	929	4,736
Estimated Ventilator Patients	223	465	2,368

- All COVID-19 forecasts, including these, entail large uncertainty related to COVID-19 biology, the effectiveness (or not) of mitigation/suppression efforts, and clinical management decisions.
 - The time to peak (60 or 90 days) is from day 0 of epidemic.
- Source: Cornell COVID Case Calculator, v3.5, Nathaniel Hupert MD.

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EXTRA SURGE STRATEGIES IMPLEMENTED/PLANNED

BED AVAILABILITY ↑ 30%

SURGE BEDS OVER LICENSED		
Total # of Hospital Beds:		5,903
Existing Surge Tents	+50	5,953
Ordered Surge Tents	+200	6,153
USNS MERCY	+200	6,353
FAIRVIEW	0	7,253
FAIRGROUNDS	0	

1024 + 50 + 200 + 200 = 1,474
1,474/4,879

BED AVAILABILITY ↑ 39%

SURGE BEDS OVER LICENSED		
Total # of Hospital Beds:		5,903
Existing Surge Tents	+50	5,953
Ordered Surge Tents	+200	6,153
USNS MERCY	+200	6,353
FAIRVIEW	+450	7,253
FAIRGROUNDS	0	

1024 + 50 + 200 + 200 + 450 = 1,924
1,924/4,879

BED AVAILABILITY ↑ 56%

SURGE BEDS OVER LICENSED		
Total # of Hospital Beds:		5,903
Existing Surge Tents	+50	5,953
Ordered Surge Tents	+200	6,153
USNS MERCY	+200	6,353
FAIRVIEW	+900	7,253
FAIRGROUNDS	+350	7,603

1024 + 50 + 200 + 200 + 900 + 350 = 2,724
2,724/4,879

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AGENCY OPERATIONS CENTER (AOC)

- Activated at HIGH Level I and is sufficiently staffed; Hours of operation are M-F 8:30 – 5:00.
- LOGISTICS SECTION

INQUIRIES	RR RECEIVED	RR FILLED
3,477	1,900	1,307

- Posted daily into WebEOC is the Resource Request Status Report – this lists all items distributed by the warehouse & to what entity. To date, the AOC has distributed 1,388,245 units of medical supplies & equipment to 344 providers in Orange County. Those supplies include but are not limited to:
 - N95 Masks (1,105,265)
 - Surgical Masks (49,163)
 - Gowns(136,955)
 - Gloves(137,300)
 - Eye Protection (13,899)
 - Ventilators (437)
 - Hand Sanitizer (72,581)

ALTERNATE CARE SITE – FAIRVIEW / FAIRGROUNDS

- Toured Fairview site with hospital subject matter experts & developing Fairview action plan
- Bed capacity will be determined based on the ability to secure staffing resources from our local health system & State
- Initial planning for this site will be for low acuity patients who do not require advanced hospital care, are able to perform some activities of daily living and moderate nursing intervention or care. There is flexibility in this patient criteria but the State made it clear that this is not going to be an acute care hospital.
- Fairgrounds remains an option should we require additional space