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

<table>
<thead>
<tr>
<th>Licensed Beds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total # of Hospital Beds</td>
</tr>
<tr>
<td>Total # of ICU Beds</td>
</tr>
<tr>
<td>Total # of Med/Surgical Beds</td>
</tr>
<tr>
<td>Total SURGE Beds</td>
</tr>
<tr>
<td>Total # of all other Beds</td>
</tr>
<tr>
<td>Total Ventilators</td>
</tr>
</tbody>
</table>
Hospital Bed Availability – Bed Capacity: 4,879

<table>
<thead>
<tr>
<th>Date</th>
<th>Occupancy %</th>
<th>COVID+ Hospitalized</th>
<th>COVID+ in ICU (subset of hospitalized)</th>
<th>Staffed/Available Medical/Surgical Beds</th>
<th>Staffed/Available ICU Beds</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/26</td>
<td>67%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/27</td>
<td>67%</td>
<td>50</td>
<td>31</td>
<td>335</td>
<td>107</td>
</tr>
<tr>
<td>3/28</td>
<td>57%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/29</td>
<td>60%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/30</td>
<td>65%</td>
<td>94</td>
<td>46</td>
<td>480</td>
<td>130</td>
</tr>
</tbody>
</table>

All Hospital Surge Plans Activated – Increased bed capacity 21% (+1,024 beds)

<table>
<thead>
<tr>
<th>Total Capacity: 5,903</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/31</td>
</tr>
<tr>
<td>4/1</td>
</tr>
<tr>
<td>4/2</td>
</tr>
<tr>
<td>4/3</td>
</tr>
<tr>
<td>4/6</td>
</tr>
<tr>
<td>4/7</td>
</tr>
<tr>
<td>4/8</td>
</tr>
<tr>
<td>4/9</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>3 scenarios, varying by intensity and mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>% of Population Infected</td>
</tr>
<tr>
<td>10%</td>
</tr>
</tbody>
</table>

Model Inputs
- Total Population: 3,252,459
- Infection Rate: 10% (10%), 20% (20%), 40% (40%)
- % Symptomatic: 50% (50%), 50% (50%), 50% (50%)
- Day of Maximum Cases: 90 (90), 90 (90), 60 (60)
- Peak: Flat (Flat), Flat (Flat), A bit peaked (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
- 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
- General Hospitalizations: 662 (1,359), 7,416
- ICU: 445 (929), 4,736
- Estimated Ventilator Patients: 223 (465), 2,386

1. 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.

2. The time to peak (60 or 96 days) is from day 0 of epidemic.

Source: Cornell COVID Case Calculator, v3.5, Nathanael Huert MD.
EXTRA SURGE STRATEGIES IMPLEMENTED/PLANNED

### BED AVAILABILITY ↑ 30%

<table>
<thead>
<tr>
<th>SURGE BEDS OVER LICENSED</th>
<th>Total # of Hospital Beds: 5,903</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Surge Tents</td>
<td>+50 5,953</td>
</tr>
<tr>
<td>Ordered Surge Tents</td>
<td>+200 6,153</td>
</tr>
<tr>
<td>USNS MERCY</td>
<td>+200 6,353</td>
</tr>
<tr>
<td>FAIRVIEW</td>
<td>0 7,253</td>
</tr>
<tr>
<td>FAIRGROUNDS</td>
<td>0 7,603</td>
</tr>
</tbody>
</table>

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

### BED AVAILABILITY ↑ 39%

<table>
<thead>
<tr>
<th>SURGE BEDS OVER LICENSED</th>
<th>Total # of Hospital Beds: 5,903</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Surge Tents</td>
<td>+50 5,953</td>
</tr>
<tr>
<td>Ordered Surge Tents</td>
<td>+200 6,153</td>
</tr>
<tr>
<td>USNS MERCY</td>
<td>+200 6,353</td>
</tr>
<tr>
<td>FAIRVIEW</td>
<td>+450 7,253</td>
</tr>
<tr>
<td>FAIRGROUNDS</td>
<td>0 7,603</td>
</tr>
</tbody>
</table>

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

### BED AVAILABILITY ↑ 56%

<table>
<thead>
<tr>
<th>SURGE BEDS OVER LICENSED</th>
<th>Total # of Hospital Beds: 5,903</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Surge Tents</td>
<td>+50 5,953</td>
</tr>
<tr>
<td>Ordered Surge Tents</td>
<td>+200 6,153</td>
</tr>
<tr>
<td>USNS MERCY</td>
<td>+200 6,353</td>
</tr>
<tr>
<td>FAIRVIEW</td>
<td>+900 7,253</td>
</tr>
<tr>
<td>FAIRGROUNDS</td>
<td>+350 7,603</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>INQUIRIES</th>
<th>RR RECEIVED</th>
<th>RR FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,477</td>
<td>1,900</td>
<td>1,307</td>
</tr>
</tbody>
</table>

- 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