OVERVIEW OF CURRENT SITUATION (12/21/20 1030)  Source: Johns Hopkins University & Medicine https://coronavirus.jhu.edu/map.html

Cases / Deaths
Worldwide: 77,074,469 / 1,697,679
Nationwide: 17,878,979 / 317,858
California: 1,887,304 / 22,667
Orange Co: 128,181 / 1,777  Source: Orange County COVID-19 Case Counts & Testing Figures

ORANGE COUNTY PUBLIC HEALTH (as of 12/21/20 1000)

<table>
<thead>
<tr>
<th>Orange County COVID-19 Summary*</th>
<th>Sat 12/19/20</th>
<th>Sun 12/20/20</th>
<th>Mon 12/21/20</th>
<th>Tue 12/22/20</th>
<th>Wed 12/23/20</th>
<th>Thu 12/24/20</th>
<th>Fri 12/25/20</th>
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</thead>
<tbody>
<tr>
<td>Cases Reported to Date</td>
<td>119,822</td>
<td>124,428</td>
<td>128,181</td>
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<tr>
<td>Deaths Reported to Date</td>
<td>1,760</td>
<td>1,775</td>
<td>1,777</td>
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<tr>
<td>Tests Reported Today</td>
<td>21,203</td>
<td>20,198</td>
<td>4,060</td>
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<tr>
<td>Cumulative Tests to Date</td>
<td>1,831,645</td>
<td>1,851,843</td>
<td>1,855,903</td>
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</tbody>
</table>

*Data posted is always preliminary & subject to change. More information may become available as individual case investigations are completed. LOCAL DATA MAY BE DIFFERENT FROM THE STATE WEBSITE DATA

SKILLED NURSING/ASSISTED LIVING/RESIDENTIAL CARE FACILITY – TRENDS

*Data Source: Orange County Medical Emergency Data System (OC-MEDS)

Calls to SNFs/Congregate Living with Primary Impressions:
Fever/Cough, Influenza-like Illnesses
(Transports to ERCs Only - Last 30 Days)

*Data Source: California Department of Public Health (CDPH)

<table>
<thead>
<tr>
<th>Reporting Date: 12/21/2020 (71/73 SNFs reported)</th>
<th>Days on Hand</th>
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<tr>
<td></td>
<td>0 - 3 days</td>
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<tr>
<td>N95 Masks</td>
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<td>Surgical Masks</td>
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<tr>
<td>Eye Protection</td>
<td>0</td>
</tr>
<tr>
<td>Gowns</td>
<td>0</td>
</tr>
<tr>
<td>Gloves</td>
<td>0</td>
</tr>
<tr>
<td>Alcohol-Based Hand Sanitizer</td>
<td>0</td>
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</table>
*Data Source: Orange County Health Care Agency – Public Health

**NOTE**: Decrease in the COVID+ in staff seen on graph is due to data being cleaned and removing duplicates of those that work in multiple OC facilities or are contract staff and care for residents at multiple facilities.

COVID+ in Congregate Healthcare*

---

*Data Source: Orange County Health Care Agency – Public Health

**Current Facility Outbreaks (as of 12/21/20 1000)**

<table>
<thead>
<tr>
<th>Facility Type by Licensing Category</th>
<th>#</th>
<th>An “Outbreak” is two (2) or more confirmed cases of COVID-19 in facility occurring within 14 days.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skilled Nursing Facility</td>
<td>35</td>
<td>Advanced Rehab Center Of Tustin, Alamitos West Health &amp; Rehabilitation, Anaheim Crest Nursing Center, Anaheim Healthcare Center, Llc, Buena Park Nursing Center, Capistrano Beach Care Center, Country Villa Plaza Convalescent Center, Crystal Cove Care Center, Extended Care Hospital Of Westminster, Garden Park Care Center, Gordon Lane Care Center, Harbor Villa Care Center, Huntington Valley Healthcare Center, La Habra Convalescent Hospital, Laguna Hills Health And Rehabilitation Center, Leisure Court Nursing Center, Mainplace Post Acute, Manorcare Health Services (Fountain Valley), Mesa Verde Post Acute Care Center, Mission Palms Healthcare Center, Newport Nursing And Rehabilitation Center, Park Regency Care Center, Park Vista At Morningside (Snf), Regents Point - Windcrest, Sea Cliff Healthcare Center, South Coast Post Acute, St. Elizabeth Healthcare Center, Stanley Healthcare Center, The Hills Post Acute, The Pavilion At Sunny Hills, Town And Country Manor, Tustin Care Center, Villa Valencia, Windsor Gardens Care Center Of Fullerton, Windsor Gardens Convalescent Center Of Anaheim</td>
</tr>
<tr>
<td>Elderly Assisted Living</td>
<td>36</td>
<td>A Pericles Elderly Care Home, Aegis Assisted Living Of Laguna Niguel, Anaheim Crown Plaza, Arbor Palms Of Anaheim, Ardent Care, Atria Golden Creek, Belmont Village Aliso Viejo, Brookdale Garden Grove, Brookdale Irvine, Citrus Hills Assisted Living, Crescendo Senior Living, Crestavilla Senior Living, Fullerton Rosewood Assisted Living, Fullerton Villa, Harvest Retirement, Huntington Terrace, Ivy Cottages I, Karlton Residential Care Center, Katella Senior Living Community, Mainplace Senior Living, Oakmont Of Huntington Beach, Oakmont Of Orange, Pacifica Royale Assisted Living Community, Pacifica Senior Living South Coast, Park Regency Retirement Center, Park Vista At Morningside (Alf), Rochelle Manor, Rosart Home Refe, Rowntree Gardens, Seaside Terrace Retirement Community, Serento Rosa (Alf), Silverado Brea Llc, Sunrise Assisted Living Of Fullerton, Sunrise At Yorba Linda, Sunrise At Seal Beach, Vivante On The Coast</td>
</tr>
</tbody>
</table>
EMERGENCY MEDICAL SERVICES STATUS

*Data Source: Orange County Medical Emergency Data System (OC-MEDS)*

9-1-1 ambulance transport volume has leveled off the last several days but were higher over the last 30 days. **Volume is approaching normal (pre-COVID) levels** but most of the increase has occurred in the last two (2) weeks (Updated 12/21/20).

![Daily 9-1-1 Ambulance Transport Volume - Last 30 days](chart1.png)

Non-emergency ambulance transports continue to declined. Transport volume is **averaging about 25% below normal** (pre-COVID) levels overall (Updated 12/21/20).

![Daily Non-Emergency Transport Volume - Last 30 Days](chart2.png)

Primary Impressions of Cold/Flu/ILI by 9-1-1 EMS providers increased over the weekend and were about 15% of all 9-1-1 transports (Updated 12/21/20).

![EMS Provider Impressions - Cold/Flu/ILI/COVID-19 2019 vs 2020 Comparison](chart3.png)
• Ambulance Patient Offload Time (APOT) is defined as the time the ambulance arrives at the receiving destination (wheels stop) to the time that the ambulance crew physically transfers the patient to the ED gurney. Last 24 hours: **Current Average APOT is: 23m57s / Current 90th Percentile APOT is: 53m00s**

The chart below displays a daily trend over the last 30 days.

- Eighteen (18) ERCs had APOT times greater than thirty (30) minutes.
- Nine (9) ERCs had APOT times greater than sixty (60) minutes.

*Note: a handful of ERCs were close to the 30 minute threshold, but were not over it.*

*Data Source: Orange County Medical Emergency Data System (OC-MEDS)*

![Graph showing daily trend of APOT over the last 30 days.](image)

- **Emergency Department (ED) Diversion & Computerized Tomography (CT)** (ED closed to all ambulance transport due to no ED capacity or no CT available) for the last 30 days 11/20/20 – 12/20/20 below.
- **NOTE: Hospital Diversion was suspended for 72 hours on 12/15/20 @ 1900. The suspension was extended for an additional 72 hours on 12/18/20.**

*Data Source: ReddiNet*

- **Hours of Diversion per 24-Hour Period**
  - Thru 12-20-2020, Last 30 Days
  - 25 Hospitals (Rounded to nearest hour)
**Data Source: California Department of Public Health (CDPH) – Snowflake server**

Current Snowflake Data Dictionary may be found at:


<table>
<thead>
<tr>
<th>DATE</th>
<th>Census ALL</th>
<th>Occupancy %</th>
<th>COVID+ Hospitalized</th>
<th>COVID+ ICU</th>
<th>ICU Occupied Adult</th>
<th>ICU Available Adult</th>
<th>% ICU Beds Adult Available</th>
<th>ICU Occupied Peds</th>
<th>ICU Available Peds</th>
<th>ICU CDPH OC Occupied</th>
<th>% ICU CDPH OC Available **</th>
<th>% ICU Beds System Available ****</th>
<th>% Ventilators Available</th>
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<tr>
<td>12/3</td>
<td>4003</td>
<td>73%</td>
<td>746</td>
<td>195</td>
<td>501</td>
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<td>17%</td>
<td>39</td>
<td>29</td>
<td>43%</td>
<td>673</td>
<td>133</td>
<td>20%</td>
</tr>
<tr>
<td>12/4</td>
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<td>86</td>
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<td>33</td>
<td>35</td>
<td>51%</td>
<td>669</td>
<td>121</td>
<td>18%</td>
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<tr>
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<td>848</td>
<td>209</td>
<td>489</td>
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<td>17%</td>
<td>46</td>
<td>22</td>
<td>32%</td>
<td>655</td>
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<tr>
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<td>117</td>
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<tr>
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<td>946</td>
<td>238</td>
<td>509</td>
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<td>13%</td>
<td>34</td>
<td>34</td>
<td>50%</td>
<td>656</td>
<td>113</td>
<td>17%</td>
</tr>
<tr>
<td>12/8</td>
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<td>239</td>
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<td>12%</td>
<td>26</td>
<td>42</td>
<td>62%</td>
<td>668</td>
<td>111</td>
<td>17%</td>
</tr>
<tr>
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<td>37</td>
<td>54%</td>
<td>668</td>
<td>108</td>
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<tr>
<td>12/10</td>
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<td>32</td>
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<tr>
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<td>273</td>
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<td>32</td>
<td>36</td>
<td>53%</td>
<td>660</td>
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<tr>
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<td>41%</td>
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<tr>
<td>12/13</td>
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<td>547</td>
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<td>10%</td>
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<td>28</td>
<td>41%</td>
<td>673</td>
<td>86</td>
<td>13%</td>
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<tr>
<td>12/14</td>
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<td>74%</td>
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<td>557</td>
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<td>11%</td>
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<td>33</td>
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<td>693</td>
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<td>36</td>
<td>32</td>
<td>47%</td>
<td>696</td>
<td>95</td>
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<tr>
<td>12/16</td>
<td>4282</td>
<td>77%</td>
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<td>343</td>
<td>580</td>
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<td>38</td>
<td>30</td>
<td>44%</td>
<td>697</td>
<td>79</td>
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<tr>
<td>12/17</td>
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<td>358</td>
<td>569</td>
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<td>9%</td>
<td>37</td>
<td>31</td>
<td>46%</td>
<td>696</td>
<td>90</td>
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<tr>
<td>12/18</td>
<td>4273</td>
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<td>361</td>
<td>565</td>
<td>60</td>
<td>10%</td>
<td>25</td>
<td>43</td>
<td>63%</td>
<td>693</td>
<td>103</td>
<td>15%</td>
</tr>
<tr>
<td>12/19</td>
<td>4203</td>
<td>76%</td>
<td>1682</td>
<td>375</td>
<td>570</td>
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<td>31</td>
<td>37</td>
<td>54%</td>
<td>717</td>
<td>116</td>
<td>16%</td>
</tr>
<tr>
<td>12/20</td>
<td>4123</td>
<td>75%</td>
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<td>380</td>
<td>566</td>
<td>66</td>
<td>10%</td>
<td>31</td>
<td>37</td>
<td>54%</td>
<td>700</td>
<td>103</td>
<td>15%</td>
</tr>
</tbody>
</table>

**ICU CDPH OC Occupied – CDPH combines occupied ICU adult beds and occupied ICU pediatric beds as a reporting metric on their COVID-19 Hospital dashboard.**

***ICU CDPH OC Available – CDPH subtracts the sum of occupied ICU adult beds and occupied ICU pediatric beds, from the sum of ICU total adult beds and ICU total pediatric beds to determine ICU available beds on their COVID-19 Hospital dashboard.***

****ICU CDPH OC Available – The sum of occupied ICU adult beds and occupied ICU pediatric beds, divided by the sum of ICU total adult beds and ICU total pediatric beds, as a percentage.

*****ICU Beds System Available – All ICU beds reported as available in Orange County, which includes Adult, PICU, and NICU, and any other ICU bed types.
COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)

NON-ICU - 12/20/20 X  ICU - 12/20/20 ▲  ED OVERFLOW - 12/20/20 ●  SYSTEM - 12/20/20 1 DAY +/- (12/19/20) 3 DAY +/- (12/18/20) 7 DAY +/- (12/14/20)

<table>
<thead>
<tr>
<th>Date</th>
<th>Non-ICU</th>
<th>ICU</th>
<th>ED Overflow</th>
<th>System</th>
<th>1 Day</th>
<th>3 Day</th>
<th>7 Day</th>
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<td></td>
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<td></td>
<td>1.6%</td>
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<td></td>
<td>1709</td>
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<td></td>
<td></td>
<td>1.6%</td>
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<td>1709</td>
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<td>1.6%</td>
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<td>6.7%</td>
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<td>1601</td>
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<td>27</td>
</tr>
</tbody>
</table>

**Notes:**
- Ventilators: 12/20/20 | System: 950 | Available: 460 (48%) | Occupied: 490
**COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)**

**VENTILATORS IN USE (11/21/20 - 12/20/20) | 33 ACUTE CARE FACILITIES REPORTING**

<table>
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<tbody>
<tr>
<td>COVID+</td>
<td>51 53 54 58 61 71 71 77 75 114 114 126</td>
<td>609 598 568 552 587 583 574 532 597 546 533 518 501 506 489 484 479 480 484 497 483 495 480 468 468 496 487 478 483 460</td>
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<td>SYSTEM TTL</td>
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</tr>
</tbody>
</table>

COVID+ = CONFIRMED AND SUSPECTED PATIENTS ON A VENTILATOR

*OCC = VENTILATORS IN USE, INCLUDING COVID+ PATIENTS AND OTHER VENT PATIENTS

**AVL = AVAILABLE VENTILATORS IN SYSTEM

***TTL = TOTAL VENTILATORS IN SYSTEM
# COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)

ICU BEDS (11/21/20 - 12/20/20) | 33 ACUTE CARE FACILITIES REPORTING


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<th>CONFIRMED</th>
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<th>105</th>
<th>116</th>
<th>115</th>
<th>130</th>
<th>139</th>
<th>138</th>
<th>142</th>
<th>146</th>
<th>158</th>
<th>171</th>
<th>179</th>
<th>195</th>
<th>193</th>
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</table>

*AVL = AVAILABLE NON SURGE ICU BEDS. PRIOR TO 7/22 DEFINITION DID NOT EXCLUDE NONSURGE.
**TTL = TOTAL NON SURGE ICU BEDS. PRIOR TO 7/22 DEFINITION DID NOT EXCLUDE NONSURGE.
***AS OF 10/20/2020 SPIKE IN SYSTEM TTL, OCCUPIED AND AVAILABLE DUE TO CHANGE IN CHOC ORANGE REPORTED VALUES.

---

**TABLE EXPLANATIONS**

- CONFIRMED
- SUSPECTED
- OCCUPIED
- SYSTEM AVL
- SYSTEM TTL
- DPH OC OCC
- DPH OC AVL
- DPH OC TTL

**NOTES**

- *AVL = AVAILABLE NON SURGE ICU BEDS. PRIOR TO 7/22 DEFINITION DID NOT EXCLUDE NONSURGE.
- **TTL = TOTAL NON SURGE ICU BEDS. PRIOR TO 7/22 DEFINITION DID NOT EXCLUDE NONSURGE.
- ***AS OF 10/20/2020 SPIKE IN SYSTEM TTL, OCCUPIED AND AVAILABLE DUE TO CHANGE IN CHOC ORANGE REPORTED VALUES.

---

**FORMULAS**

- **CDPH OC OCC = Adult ICU Occupied + Pediatric ICU Occupied**
- **CDPH OC AVL = (Adult ICU Total Beds + Pediatric ICU Total Beds) - (Adult ICU Occupied + Pediatric ICU Occupied)**
- **CDPH OC TTL = Adult ICU Total + Pediatric ICU Total**
*Data Source: California Department of Public Health (CDPH) – Snowflake server
**Current Snowflake Data Dictionary may be found at: https://www.calhospital.org/sites/main/files/file-attachments/data_dictionary_cha_covid_tracker_4-17-20.pdf

<table>
<thead>
<tr>
<th>Reporting Date: 12/20/20* (30/33 ACHs reported)</th>
<th>Acute Care Hospital PPE / Ventilator Supplies – DAYS ON HAND</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30 days +</td>
</tr>
<tr>
<td>Ventilator Supplies**</td>
<td>7</td>
</tr>
<tr>
<td>N95 Masks**</td>
<td>14</td>
</tr>
<tr>
<td>Surgical Masks**</td>
<td>18</td>
</tr>
<tr>
<td>Face Shields**</td>
<td>20</td>
</tr>
<tr>
<td>Gloves**</td>
<td>12</td>
</tr>
<tr>
<td>Gowns**</td>
<td>13</td>
</tr>
</tbody>
</table>

*Data Source: ReddiNet

**NOTE**: 23 of 25 EDs Responded

### Reported Service Category Status

**Acute Care Hospitals w/ Emergency Departments (#25)
Updated 12/21/20**

<table>
<thead>
<tr>
<th>Status Item</th>
<th>Command Center Activated</th>
<th>Surge Plan Activated</th>
<th>Canceled Procedures/Services</th>
<th>Supply Issues</th>
<th>CDPH Flex</th>
<th>Increased Morgue Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rate of change in Hospitalized COVID-19 patients (doubling time over last 7 days)</strong></td>
<td>18 (72%)</td>
<td>20 (80%)</td>
<td>13 (52%)</td>
<td>10 (40%)</td>
<td>15 (60%)</td>
<td>15 (60%)</td>
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<td><strong>Absolute COVID-19 Census in the hospital</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Less than 500</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>500-750</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;750</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Hospital census as a percentage of capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>&lt;80%</td>
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<tr>
<td>&gt;90%</td>
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<tr>
<td><strong>Supply of PPE available in the hospitals</strong></td>
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<tr>
<td>&gt;4 weeks</td>
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<tr>
<td>2 to 4 weeks</td>
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</tr>
<tr>
<td>&lt; 2 weeks</td>
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### Hospital Criteria for shifting to Crisis Care Strategies

**LEGEND**

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<thead>
<tr>
<th>CRITERIA</th>
<th>Normal Operations</th>
<th>Modified Operations Under Control</th>
<th>Modified Operations Assistance Needed</th>
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</thead>
<tbody>
<tr>
<td>Rate of change in Hospitalized COVID-19 patients (doubling time over last 7 days)</td>
<td>Never to 4 weeks to double</td>
<td>4 weeks to 2 weeks to double</td>
<td>Less than 2 weeks to double</td>
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<tr>
<td>Absolute COVID-19 Census in the hospital</td>
<td>Less than 500</td>
<td>500-750</td>
<td>&gt;750</td>
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<td>Hospital census as a percentage of capacity</td>
<td>&lt;80%</td>
<td>80% to 90%</td>
<td>&gt;90%</td>
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<tr>
<td>Supply of PPE available in the hospitals</td>
<td>&gt;4 weeks</td>
<td>2 to 4 weeks</td>
<td>&lt; 2 weeks</td>
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</tbody>
</table>

### Hospital Criteria for shifting to Crisis Care Strategies

**12/20/20**

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>Normal Operations</th>
<th>Modified Operations Under Control</th>
<th>Modified Operations Assistance Needed</th>
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<tr>
<td>Absolute COVID-19 Census in the hospital</td>
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<tr>
<td>Hospital census as a percentage of capacity</td>
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<tr>
<td>Supply of PPE available in the hospitals</td>
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<td>2-4 weeks</td>
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</table>
AGENCY OPERATIONS CENTER / LOGISTICS SECTION

- The AOC is activated M-F 0900-1600 at Level I; Warehouse Ops are M-F - 0900-1600.
- SCARCE Resources: Gloves, Wipes, Syringes, Needles

<table>
<thead>
<tr>
<th>Logistics Daily Units Distributed 12-17-20</th>
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<tbody>
<tr>
<td>N95 Mask</td>
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<tr>
<td>Surgical Mask</td>
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<tr>
<td>Gown</td>
</tr>
<tr>
<td>Gloves</td>
</tr>
<tr>
<td>Face Shields/Eye Protection</td>
</tr>
<tr>
<td>Hand Sanitizer</td>
</tr>
<tr>
<td>Other</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Medical Supply/Equipment Total Units Distributed</th>
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<tbody>
<tr>
<td>N95 Mask</td>
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<td>Surgical Mask</td>
</tr>
<tr>
<td>Gowns</td>
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<tr>
<td>PPE-Suit</td>
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<td>Gloves</td>
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<td>Eye Protection</td>
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<td>Hand Sanitizer</td>
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<tr>
<td>Other Items</td>
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<td><strong>Total Units</strong></td>
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Total Activity – Updated 12/17/20 at 1530

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<thead>
<tr>
<th>INQUIRIES</th>
<th>RR RECEIVED</th>
<th>RR FILLED</th>
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<tr>
<td>16,400 +73</td>
<td>9,341 +48</td>
<td>7,509 +54</td>
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</tbody>
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Total Denied Requests: 775 / Total Redacted Requests: 803
ALTERNATE CARE SITE (ACS)

- Fairview Alternate Care Site (FACS) opened for admissions on TUESDAY, 12/15/20 @ 1800
- FACS Admissions Guidelines (updated 12.16.20) may be found on the OCEMS website at: https://www.healthdisasteroc.org/civicax/filebank/blobdload.aspx?BlobID=118724

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<td>9</td>
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<tr>
<td>Riverside</td>
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<td>1</td>
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<td>San Diego County</td>
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<td>Ventura County</td>
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<tr>
<td>Total patients CENSUS / TOTAL ACCEPTED</td>
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Patients Discharged

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MOBILE FIELD HOSPITALS

- MFHs are capable of expanding current hospital capacity by adding additional patient beds.
- They are large heavy duty canvas tents with hard flooring and temperature controlled units.
- They can be configured in a myriad of footprints and sizes (i.e. 25-200 bed).
- CDPH is primed and ready to provide hospitals a waiver to allow emergency use of this MFH facility.
- OCEMS is actively deploying multiple MFHs to OC hospitals prepared to receive & operate
  - OCEMS has a total of 8 trailers to support at minimum, 200 patient beds.
  - Hospitals who have self-identified in receiving a MFH include:
    - UCI (50 bed) – confirmed
    - Fountain Valley (50 bed) – confirmed
    - Los Alamitos (25 bed) – confirmed