OVERVIEW OF CURRENT SITUATION (08/05/20 0730) *Source: Johns Hopkins University & Medicine https://coronavirus.jhu.edu/map.html*

	Cases / Deaths
Worldwide:	18,576,034 / 701,455
Nationwide:	4,772,027 / 156,840
California:	526,968 / 9,707
Orange County:	38,131 / 665 *Source: Orange County COVID-19 Case Counts & Testing Figures*

ORANGE COUNTY PUBLIC HEALTH (as of 08/05/20 1000)

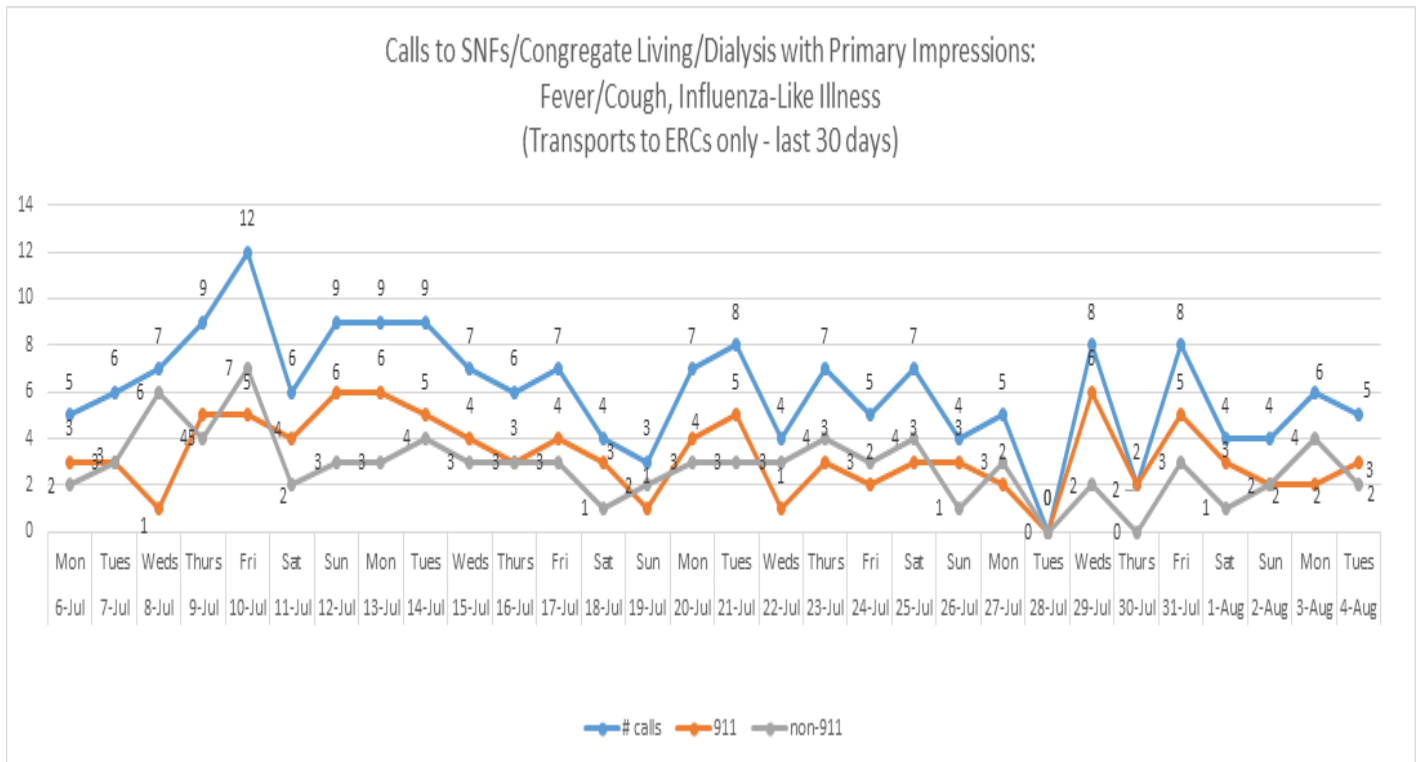| Orange County COVID-19 Summary* *click for full details*	Sat 8/01/20	Sun 8/02/20	Mon 8/03/20	Tue 8/04/20	Wed 8/05/20	Thu 8/06/20	Fri 8/07/20
Cases Reported to Date	36,833	37,391	37,813	38,066	38,131		
Deaths Reported to Date	649	651	651	653	665		
Tests Reported Today	6,357	3,173	17,133	3,755	5,075		
Cumulative Tests to Date	415,621	418,794	435,927	439,682	444,757		
*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***							

PUBLIC HEALTH UPDATE (08/04/20)

- The state disease reporting system is experiencing some problems that are affecting the timely reporting to local health departments. We do not know the extent of it but believe that recent data are artificially low. This makes it difficult to know critical data points such as disease transmission rate, positivity rate, etc. The state is working on resolving the problem, but currently the status in Orange County (and other counties) is unclear.
- Hospitalizations appear to be trending downward with the most recent report being 539 COVID patients, down from 594 one month prior. Patients in the ICU is also trending down with 167 in ICU, down from 193 one month ago.
- Even with the CalREDIE reporting issues, recent trends are encouraging, however, we need continue to see downward trends as even with underreporting, Orange County continues to be on the State Monitoring List.
- The most important actions to prevent spread and reduce disease transmission are individual behaviors by the people of OC;
    - Stay home as much as possible, especially high risk persons (65 or older, or underlying health conditions)
    - Stay home when sick
    - Isolation of cases and quarantine of all contacts (within 6 feet for 15 minutes or more)
    - Practice social distancing at all times; 6 feet or more
    - Wear face coverings when unable to maintain social distancing; high compliance is critical given asymptomatic transmission
    - Wash hands frequently
    - Avoid touching face
    - Disinfect frequently touched surfaces often

COVID-19 Testing Super Site (PCR – only) https://occovid19.ochealthinfo.com/supersite

- ****NEW DEDICATED LANE ADDED FOR ASYMPTOMATIC & SYMPTOMATIC FIRST RESPONDERS**
- Testing is now available through an **appointment**-based drive-thru site that can serve more than 1,000 people daily; Wed-Sun 0800-1600 at Anaheim Convention Center, West Street entrance
- Available to Orange County residents at no-cost for people who meet Public Health priorities for testing and **cannot get a test through their medical provider (doctor)**. Please contact your provider first
- Public Health criteria for priority testing:
    - Healthcare workers and first responders
    - Workers in congregate living settings such as skilled nursing facilities, jails, or homeless shelter settings
    - Individuals with close contact (15 minutes or more within 6 feet) to someone known or suspected to have COVID-19
    - Essential workers – those with contact with the public such as such as grocery store workers, social service providers, government workers, etc.

SKILLED NURSING/ASSISTED LIVING/RESIDENTIAL CARE FACILITY – TRENDS

Calls to SNFs/Congregate Living/Dialysis with Primary Impressions:
Fever/Cough, Influenza-Like Illness
(Transports to ERCs only - last 30 days)

Reporting Date: 8/04/20 (73/73 SNFs reported)	Skilled Nursing Facility PPE – DAYS ON HAND*			
	0 - 3 days	**4 - 7 days**	**8-14 days**	**15+ days**
N95 Masks	0	4	20	49
Surgical Masks	0	5	14	54
Eye Protection	0	3	17	53
Gowns	0	4	19	50
Gloves	1	3	19	50
Alcohol-Based Hand Sanitizer	0	4	16	53

COVID+ in Congregate Healthcare*

Chart: COVID+ in Congregate Healthcare, 23-Apr to 4-Aug. Three series: Resident COVID + (blue), Staff COVID + (green), Total (red). Total rises from ~188 on 23-Apr to 3879 on 4-Aug. Resident COVID+ reaches ~2144; Staff COVID+ reaches ~1735.
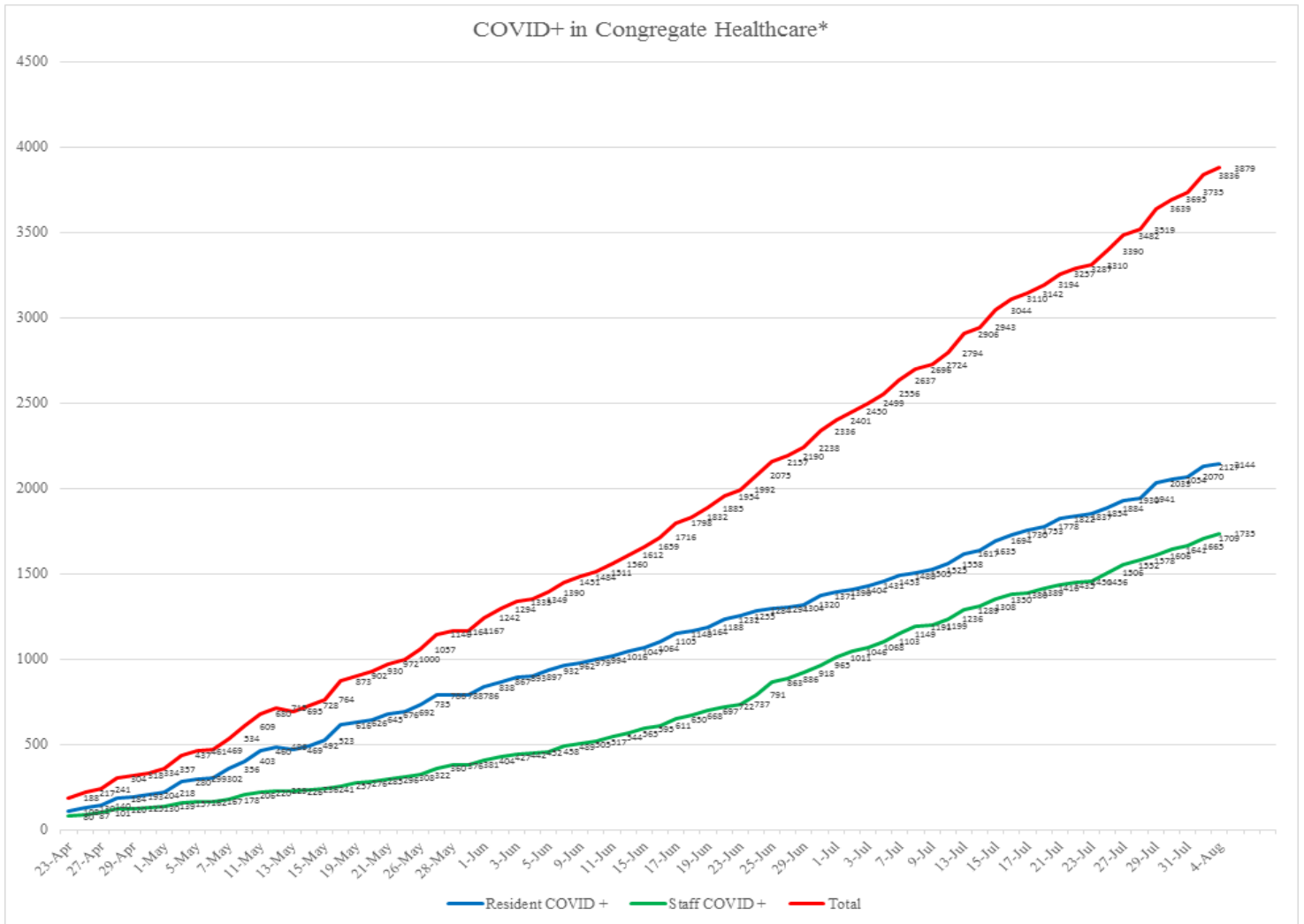
| Facility Outbreaks (as of 8/4/20 1700)		
Facility Type by Licensing Category	#	An "Outbreak" is two (2) or more confirmed cases of COVID-19 in facility residents occurring within 14 days.
Skilled Nursing Facility	45	Advanced Rehab Center of Tustin, Alamitos West Health & Rehab, Alta Gardens Care Center, Anaheim Crest, Anaheim Healthcare Center, Anaheim Terrace, Buena Vista Care Center, Chapman Care Center, Country Villa Plaza, Coventry Court, Crystal Cove Care Center, Flagship Healthcare Center, French Park Care Center, Garden Grove Convalescent Hospital, Garden Park Care Center, Gordon Lane Care Center, Harbor Villa Care Center, Healthcare Center of Orange County, Huntington Valley Healthcare Center, Kindred Brea SAU, La Palma Nursing Center, Laguna Hills Health & Rehab, Lake Forest Nursing Center, Leisure Court Nursing Center, MainPlace Post Acute, Manor Care FV, New Orange Hills, Orange Healthcare & Wellness, Orangegrove Rehab Hospital, Pacific Haven Healthcare Center, Palm Terrace, Park Anaheim Healthcare Center, Park Regency Care Center, Rowntree Gardens, Sea Cliff Healthcare Center, Seal Beach Health & Rehab, South Coast Post Acute, St. Edna Subacute & Rehab, Terrace View Care Center, The Hills Post Acute, The Pavilion at Sunny Hills, Victoria Healthcare, Walnut Village, West Anaheim Extended Care, Windsor Gardens Center of Anaheim
Elderly Assisted Living	45	Acacia Villa, ActivCare Yorba Linda, Anaheim Crown Plaza, Ardent Care Assisted Living, Atria Del Sol, Brookdale Anaheim, Brookdale Nohl Ranch, Brookdale San Juan Capistrano, Cambridge House, Carmel Village, Crown Cove, Emerald Court, Golden Leisure Home, Harvest Retirement, Heathers McKinley, Heathers Wintergreen, Heritage Point, Hollybrooke Senior Living, Huntington Terrace, Kaego's Richman Gardens, Kamstra Care Home, Karlton Residential, Oakmont-Capriana, Pacific Shores Laguna Hills, Pacific Shores Mission Viejo, Pacific Shores Pacifica, Pacifica Royale, Park Plaza, Park Regency Assisted Living, Rowntree Gardens, Seacliff Assisted Living, Silverado Newport Mesa, Silverado San Juan Capistrano, Silverado Tustin Hacienda, St Francis Home, St Therese Residential Care, Sunflower Garden, Sunrise Villa Bradford, Sunrise Yorba Linda, The Groves of Tustin, The Regency, Valley View, Vivante on the Coast, Walnut Village, Whitten Heights

EMERGENCY MEDICAL SERVICES STATUS

- 9-1-1 ambulance transport volume <mark>has stabilized after trending somewhat lower over the last several days</mark>. They are now averaging about 15-20% below normal.
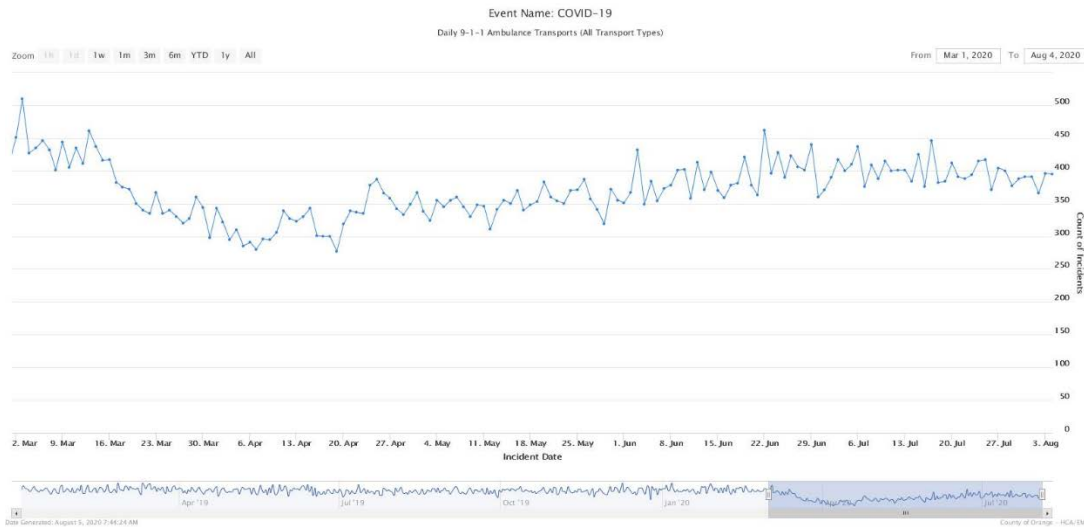
- Non-emergency ambulance transports were <mark>stable with a modest increase last week</mark>. They were about 30% below normal.
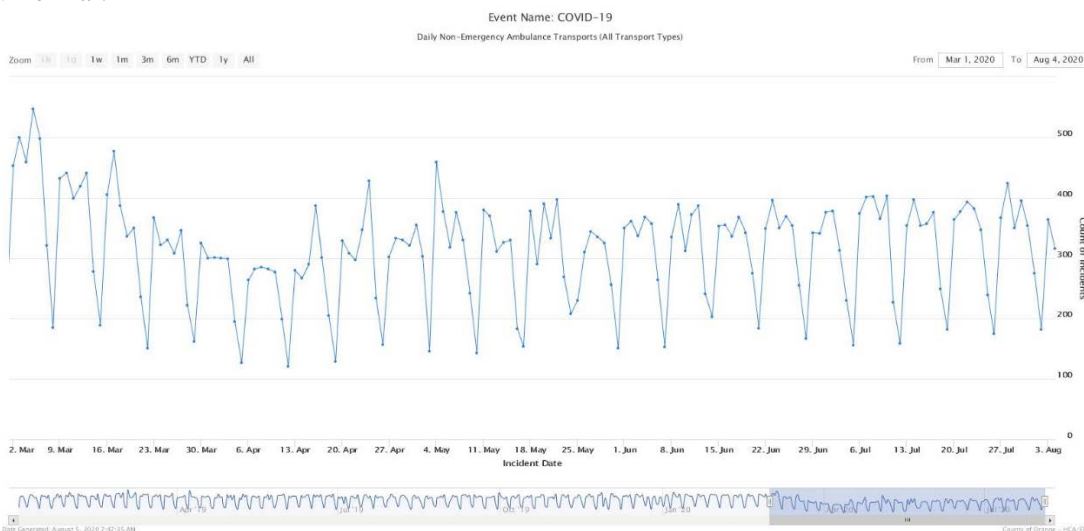
- Primary Impressions of Cold/Flu/ILI by 9-1-1 EMS providers <mark>continue to trend lower and are nearly at baseline levels</mark>.
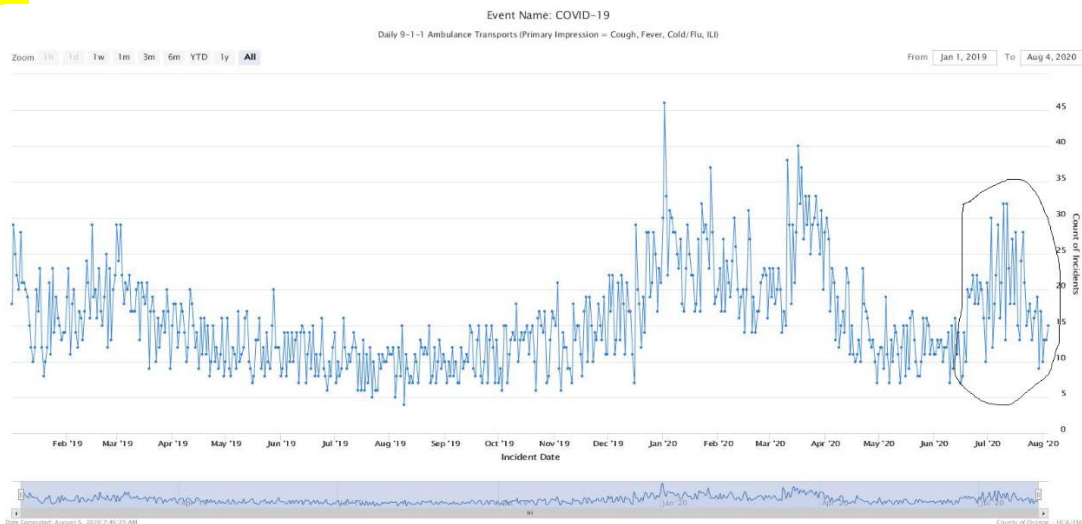
Orange County Emergency Medical Services
Medical Health Operational Area Coordination (MHOAC)
*Online at: http://www.healthdisasteroc.org/ems/archive*
08/05/20

- 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: 13m47s / Current 90th Percentile APOT is: 28m14s**

    The chart below displays a daily trend since the COVID-19 event began.

- Seven (7) ERCs had APOT times greater than thirty (30) minutes.
- One (1) 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.
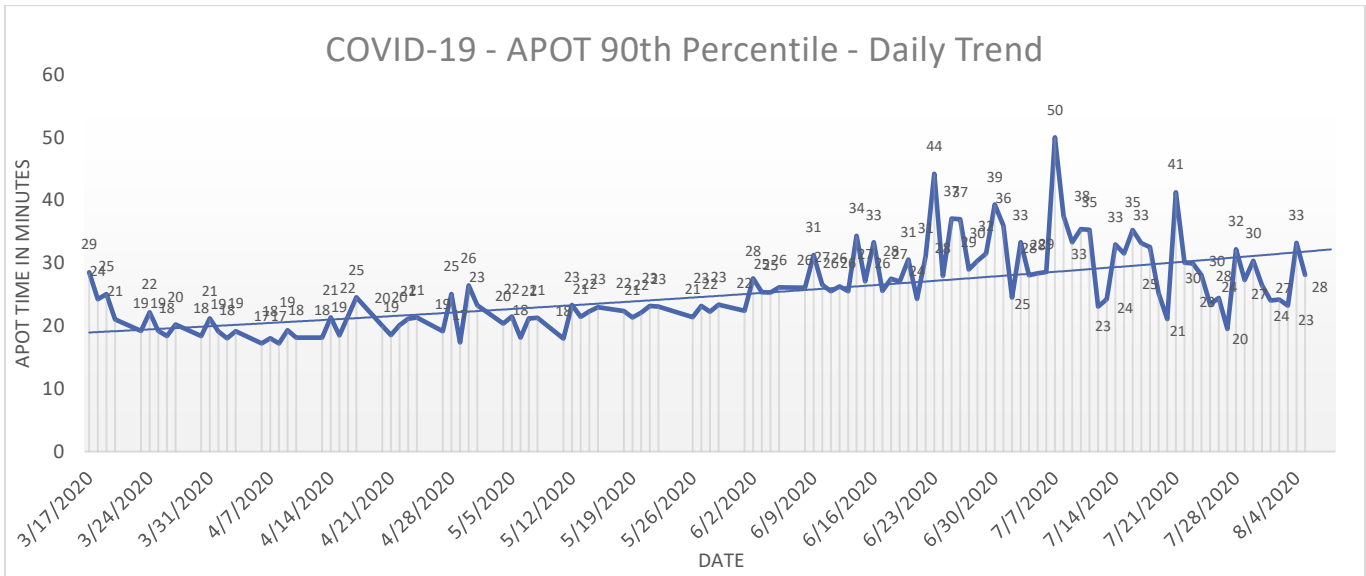
- Emergency Department (ED) Diversion & Computerized Tomography (CT) (ED closed to all ambulance transport due to no ED capacity or no CT available) for the last 30 days 7/06/20 – 8/04/20 below.
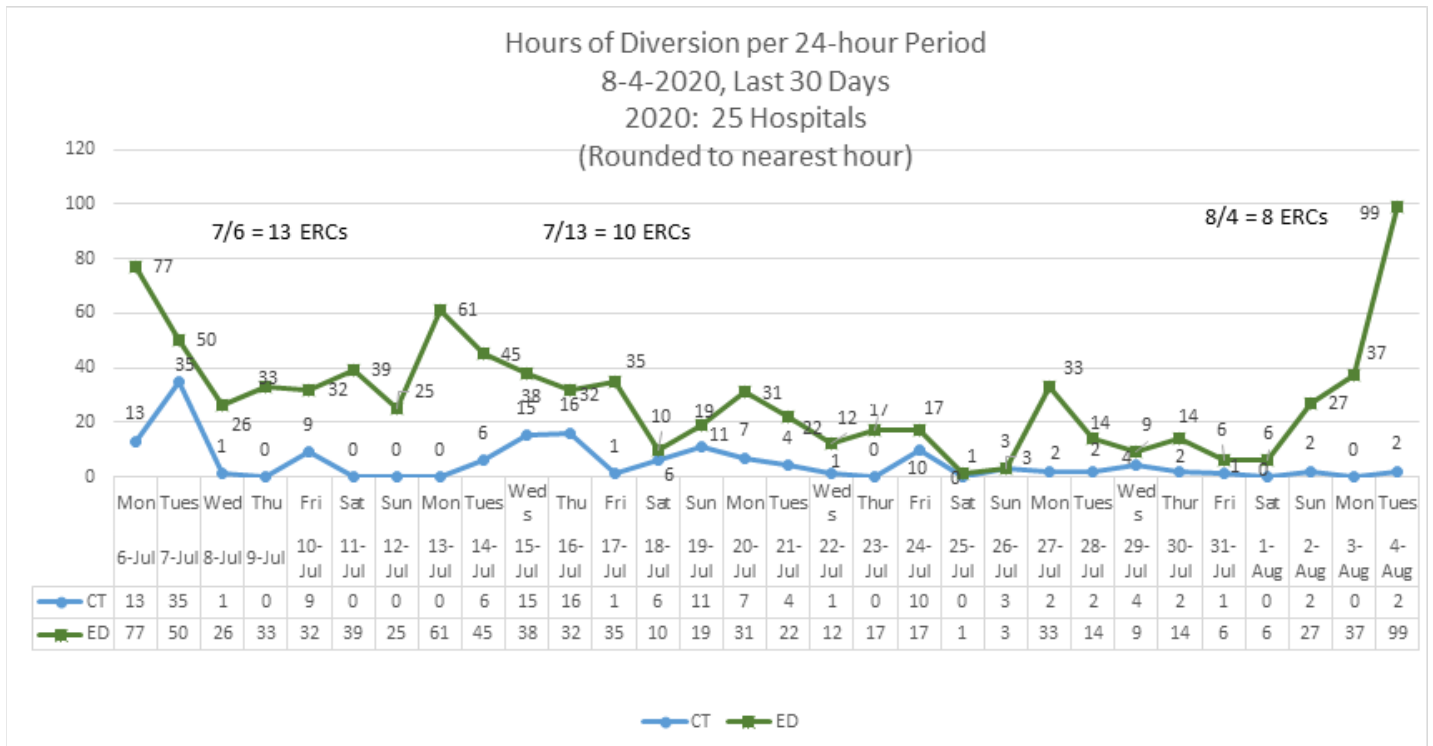
Orange County Emergency Medical Services
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08/05/20

(26): Anaheim Regional, Anaheim Global, Chapman Global, CHOC, CHOC at Mission, Foothill, Fountain Valley, Garden Grove, Hoag-Irvine, Hoag-Newport Beach, Huntington Beach, Kaiser-Anaheim, Kaiser-Irvine, La Palma, Los Alamitos, Mission –Laguna Beach, Mission-Mission Viejo, Orange Coast Memorial, Orange County Global, Placentia Linda, Saddleback Memorial, Saint Jude, South Coast Global, St. Josephs, UCI, West Anaheim

DATE	ALL HOSPITALS (33)						EMERGENCY RECEIVING CENTERS					
	Census ALL	Occupancy %	COVID+ Hospitalized	COVID+ ICU	% ICU Beds Available	% ICU Ventilators Available	Census ALL	Occupancy %	COVID+ Hospitalized	COVID+ ICU	% ICU Beds Available	% ICU Ventilators Available
7/13	3658	59%	712	237	41%	65%	3309	58%	701	231	42%	69%
7/14	3818	62%	722	238	39%	64%	3474	61%	707	232	39%	68%
7/15	3942	64%	711	245	36%	64%	3585	63%	696	239	37%	68%
7/16	3979	64%	682	235	38%	64%	3625	63%	668	228	39%	68%
7/17	3999	65%	692	232	36%	65%	3640	64%	686	226	37%	68%
7/18	4008	65%	665	214	39%	63%	3698	65%	659	208	40%	66%
7/19	3759	61%	666	213	41%	62%	3434	60%	660	207	42%	65%
7/20	3754	61%	700	234	39%	64%	3405	60%	692	226	40%	68%
7/21	3843	62%	699	233	39%	63%	3530	62%	692	226	40%	67%
7/22	3669	69%	690	233	46%	67%	3336	68%	680	227	47%	70%
7/23	3714	70%	652	215	47%	61%	3358	69%	642	209	48%	66%
7/24	3533	65%	685	203	40%	61%	3143	63%	679	202	41%	66%
7/25	3681	68%	687	201	40%	62%	3289	67%	679	199	41%	67%
7/26	3657	71%	661	204	39%	60%	3267	69%	639	202	40%	65%
7/27	3567	68%	640	203	40%	58%	3195	66%	617	200	41%	63%
7/28	3651	69%	626	204	37%	65%	3285	68%	607	201	38%	71%
7/29	3739	71%	592	189	38%	57%	3373	69%	574	188	39%	62%
7/30	3697	70%	593	191	34%	56%	3329	69%	575	190	35%	60%
7/31	3693	71%	546	169	34%	57%	3324	69%	531	169	35%	61%
8/1	3681	70%	554	171	34%	57%	3319	69%	537	171	35%	61%
8/2	3531	68%	555	175	35%	54%	3180	67%	537	175	36%	58%
8/3	3476	66%	539	167	34%	54%	3132	65%	522	167	35%	58%
8/4	3615	68%	536	172	34%	54%	3267	67%	517	172	35%	58%

*HHS significantly changed reporting requirements for hospitals effective 07/22/20.
Current data is posted on the CDPH website at:
https://public.tableau.com/views/COVID-19HospitalsDashboard/Hospitals?%3Aembed=y&%3AshowVizHome=no

Orange County Emergency Medical Services
Medical Health Operational Area Coordination (MHOAC)
Online at: http://www.healthdisasteroc.org/ems/archive
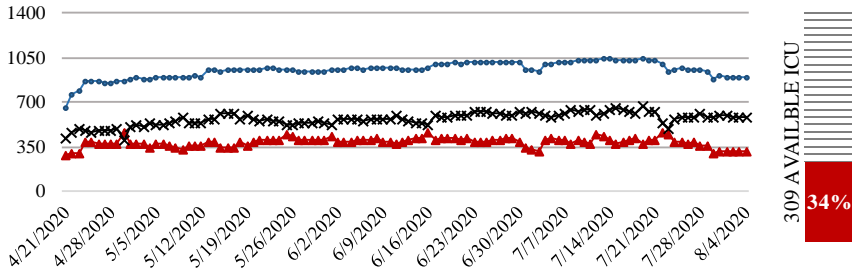**08/05/20**

COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)(04/21/20 - 08/04/20) | 33 ACUTE CARE FACILITIES REPORTING

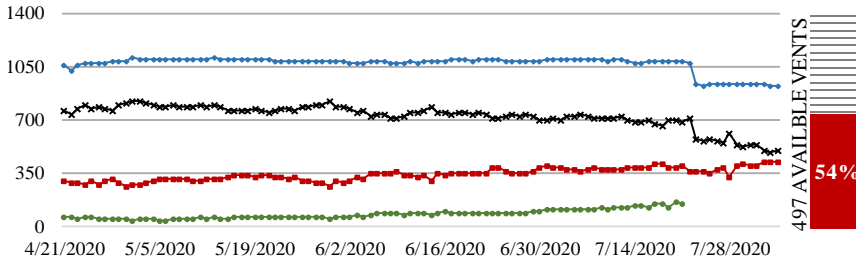| MEDSURG - 08/04/20 X	ICU - 08/04/20 ▲	ED OVERFLOW - 08/04/20 ♦	SYSTEM - 08/04/20 ●	1 DAY +/- (08/03/20)		3 DAY +/- (08/01/20)		7 DAY +/- (07/28/20)	
STOPPED REPORTING	172 5 3.0%	STOPPED REPORTING	536 -3 -0.6%	536 -3	-0.6%	554 -18	-3.2%	626 -90	-14.4%
AS OF 7.22.20*	▲	AS OF 7.22.20*	▼	▼		▼		▼	
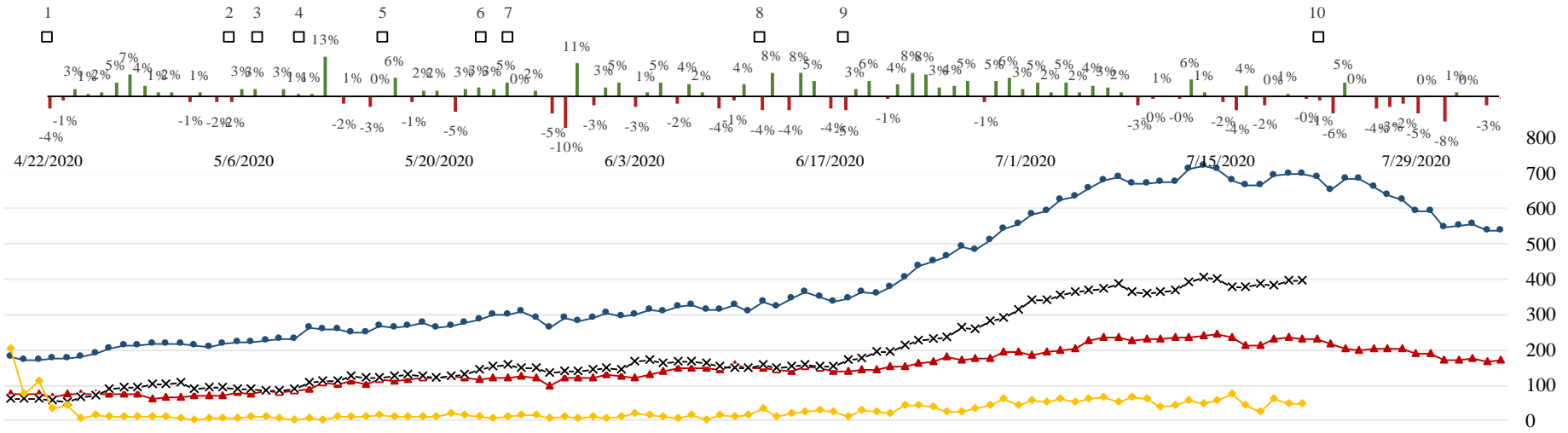
1.Face Covers Mandatory, 2. Cinco de Mayo, 3. OC Beaches Open, 4. Mom's Day, 5. OC Parks Parking Open, 6. OC Stage 2 Approved, 7. Memorial Day, 8. Re-open entertainment, etc., 9. CA Gov. Mask Mandate, 10. Changes to data collection, Federal direction

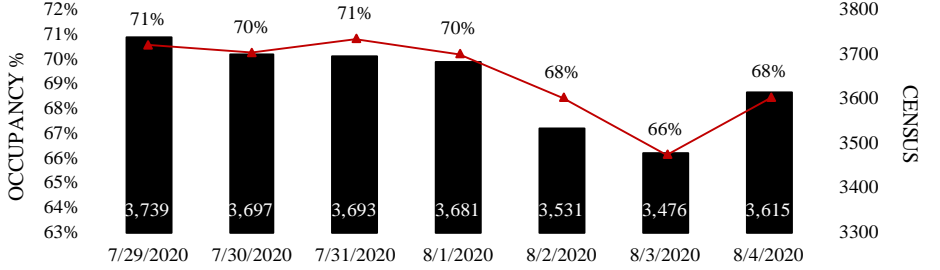ICU CENSUS - (08/04/20) | ● SYSTEM- 897 | ▲ AVAILABLE- 309 (34%) | X OCCUPIED- 588

309 AVAILBLE ICU **34%**

7-DAY HISTORY BED OCCUPANCY - (08/04/20) | IN-PATIENT BEDS- 3615 (68%)

7/29/2020	7/30/2020	7/31/2020	8/1/2020	8/2/2020	8/3/2020	8/4/2020
71%	70%	71%	70%	68%	66%	68%
3,739	3,697	3,693	3,681	3,531	3,476	3,615

VENTILATORS - (08/04/20) | ● SYSTEM- 923 | ▲ AVAILABLE- 497 (54%) | X OCCUPIED- 426 | ♦ COVID+

497 AVAILABLE VENTS **54%**

SURGE CENSUS - (08/04/20) | ● SYSTEM- 1230 | ▲ OCCUPIED- 56

COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)
VENTILATORS IN USE (07/06/20 - 08/04/20) | 33 ACUTE CARE FACILITIES REPORTING
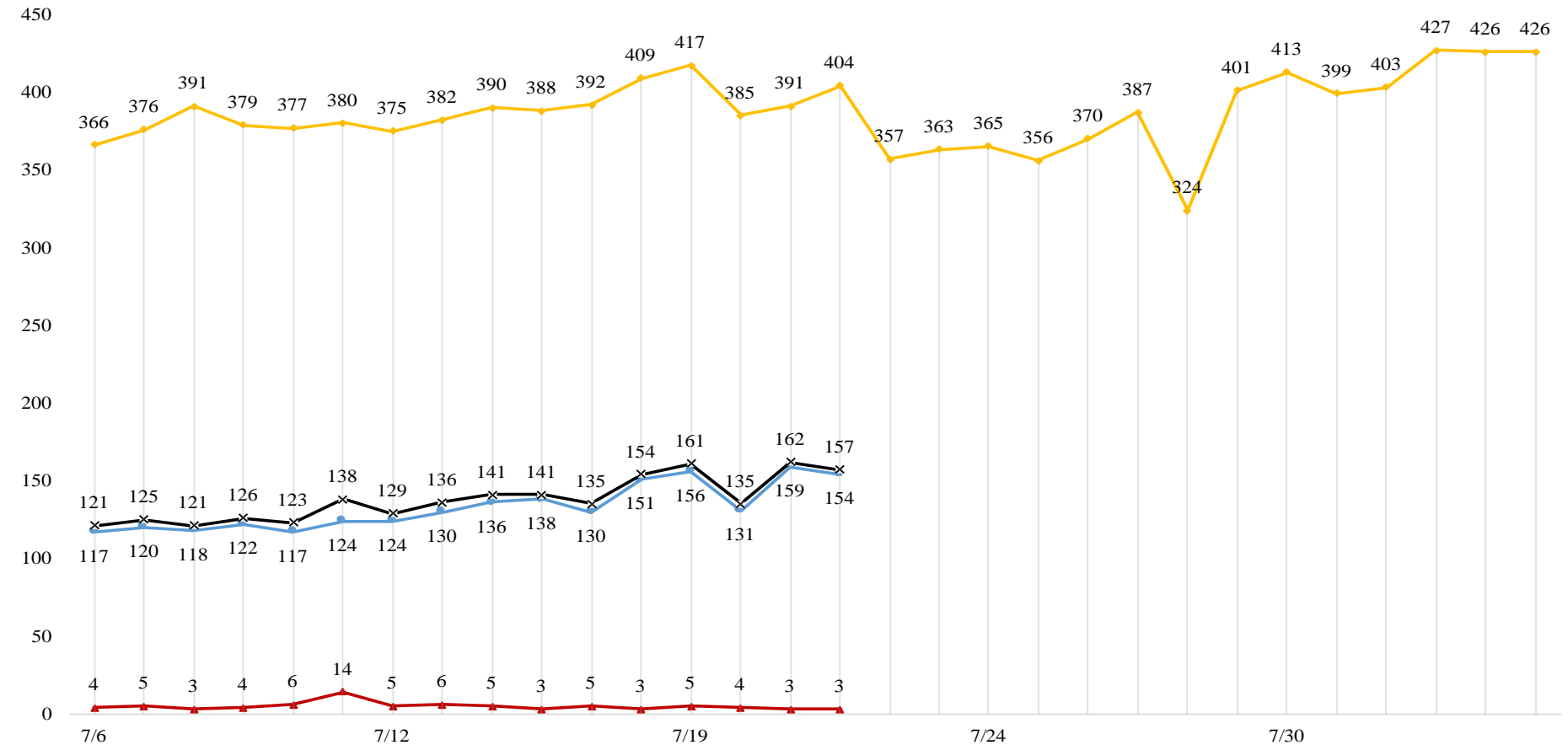
DATE	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/18	7/19	7/17	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4
CONFIRMED ●	117	120	118	122	117	124	124	130	136	138	130	151	156	130	159	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUSPECTED ▲	4	5	3	4	6	14	5	6	5	3	5	3	5	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CVD+ TTL X	121	125	121	126	123	138	129	136	141	141	135	154	161	135	162	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYSTEM OCC ◆	366	376	391	379	377	380	375	382	390	388	392	409	417	392	391	404	357	363	365	356	370	387	324	401	413	399	403	427	426	426

CONFIRMED - Mechanical Ventilators in use for COVID Confirmed Patients - The number of patients hospitalized in an inpatient bed who have laboratory-confirmed COVID and are on a mechanical ventilator at the time the data is collected.

SUSPECTED - Mechanical Ventilators in use for Suspected COVID Patients - The number of suspected COVID patients hospitalized in an inpatient bed who are on a mechanical ventilator at the time the data is collected.

CVD+TTL - Mechanical Ventilators in use for Hospitalized COVID Patients - The number of patients hospitalized in an inpatient bed who have suspected or confirmed COVID and are on a mechanical ventilator at the time the data is collected. Added to SmartSheet April 21, 2020.

SYSTEM - OCC - The number of mechanical ventilators, including anesthesia machines and portable/transport ventilators, in use for patients with any diagnosis in the hospital - including Neonatal (NICU), Pediatric (PICU), and adult ICU units. As of April 21, 2020 NICU/PICU patients were added to ventilator reporting.
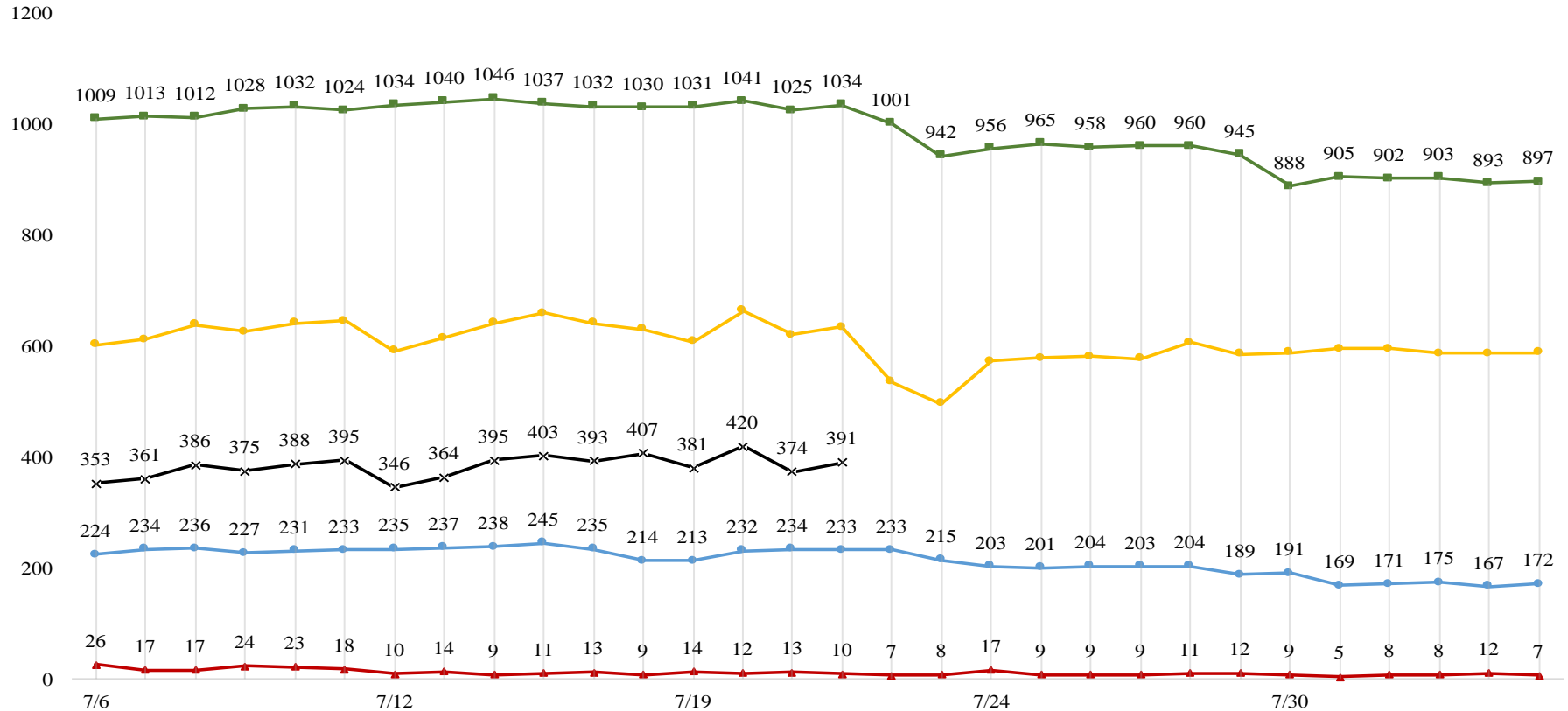
COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)
OCCUPIED ICU BEDS (07/06/20 - 08/04/20) | 33 ACUTE CARE FACILITIES REPORTING

DATE	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/18	7/19	7/17	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4
CONFIRMED ●	224	234	236	227	231	233	235	237	238	245	235	214	213	235	234	233	233	215	203	201	204	203	204	189	191	169	171	175	167	172
SUSPECTED ▲	26	17	17	24	23	18	10	14	9	11	13	9	14	13	13	10	7	8	17	9	9	9	11	12	9	5	8	8	12	7
OTHER ICU X	353	361	386	375	388	395	346	364	395	403	393	407	381	393	374	391	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYSTEM OCC ♦	603	612	639	626	642	646	591	615	642	659	641	630	608	641	621	634	536	496	573	578	581	577	606	585	588	596	596	587	587	588
SYSTEM TTL ■	1009	1013	1012	1028	1032	1024	1034	1040	1046	1037	1032	1030	1031	1032	1025	1034	1001	942	956	965	958	960	960	945	888	905	902	903	893	897

CONFIRMED - The number of laboratory-confirmed positive COVID patients that are in the ICU at the hospital. This includes all ICU beds (NICU, PICU, and adult). NICU and PICU patients were added to ICU reporting on April 21, 2020.

SUSPECTED - The number of symptomatic patients, with tests for COVID pending laboratory confirmation, that are in the ICU at the hospital. This includes all ICU beds (NICU, PICU, and adult). NICU and PICU were added to ICU reporting on April 21, 2020.

OTHER ICU - The number of non-COVID confirmed or suspected patients that are in the ICU at the hospital. This includes all ICU beds (NICU, PICU, and adult). NICU and PICU were added to ICU reporting on April 21, 2020. Removed July 22, 2020.

SYSTEM - OCC - The number of all staffed ICU beds occupied by patients at the time the data is collected. This includes all ICU beds (NICU, PICU, and adult). NICU and PICU were added to reporting on April 21, 2020. This is a calculated field. sum('ICU COVID Confirmed Patients','ICU Other Patients','ICU Suspected COVID Patients')

SYSTEM TTL - The number of all staffed ICU beds including surge/expansion beds used for critically ill inpatients. Note, the number of ICU beds provided should be higher than the number in the ICU Bed Occupancy field. Neonatal ICU (NICU) and Pediatric ICU (PICU) beds were added to ICU reporting as of April 21, 2020.

*HHS significantly changed reporting requirements for hospitals effective 07/22/20.
This table has been updated based on data provided by hospitals using the new HHS data standards

Reporting Date: 8/03/20* (33/33 ACHs reported)	Acute Care Hospital PPE – DAYS ON HAND			
	0 - 3 days	**4 - 14 days**	**15+ days**	**Non Reported**
N95 Masks	0	7	21	5
Surgical Masks	0	5	21	7
Face Shields	0	6	18	9
Gloves	0	13	14	6
Gowns	4	8	17	4
PAPR Hoods	4	4	12	13

Reported Operational Status Acute Care Hospitals w/ Emergency Departments			
24 / 25 Reporting	**Normal Operations**	**Modified Operations Using Internal Corporate Resources**	**Modified Operations Need Assistance**
	3	10	1

Reported Service Category Status Acute Care Hospitals w/ Emergency Departments (#25)		
Status Item	**Yes**	**%**
Command Center Activated	17	68%
Surge Plan Activated	15	60%
Canceled Procedures/Services	6	24%
Supply Issues	8	32%
CDPH Flex	13	52%
Increased Morgue Capacity	14	56%

- On a routine basis, the MHOAC tracks daily hospitalizations, census, occupancy and PPE availability as well as reviews epidemiologic data (doubling time).
- The criteria in the table below serve as objective measures to identify the need for hospitals to shift to crisis care strategies (i.e. activate surge plans) & uses the following assumptions:
  - Increased pressure in hospitals & on the EMS system requires a shift to crisis care strategies
  - Low levels of PPE will come earlier than decreased capacity and cause an abrupt change in capacity.
  - Increased hospitalizations and low PPE could have a synergistic effect to reduce capacity.
  - Low levels of PPE is not just a marker of capacity but causes capacity issues.

Hospital Criteria for shifting to Crisis Care Strategies LEGEND			
CRITERIA	**STATUS**		
	Normal Operations	**Modified Operations Under Control**	**Modified Operations Assistance Needed**
Rate of change in Hospitalized COVID-19 patients (doubling time over last 7 days)	Never to 4 weeks to double	4 weeks to 2 weeks to double	Less than 2 weeks to double
Absolute COVID-19 Census in the hospital	Less than 500	500-750	>750
Hospital census as a percentage of capacity	<80%	80% to 90%	>90%
Supply of PPE available in the hospitals	>4 weeks	2 to 4 weeks	< 2 weeks

Hospital Criteria for shifting to Crisis Care Strategies 8/05/20			
CRITERIA	**STATUS**		
	Normal Operations	**Modified Operations Under Control**	**Modified Operations Assistance Needed**
Rate of change in Hospitalized COVID-19 patients (doubling time over last 7 days)	118.4 days		
Absolute COVID-19 Census in the hospital		536	
Hospital census as a percentage of capacity	68%		
Supply of PPE available in the hospitals		2 to 4 weeks	

- It is important to note that the basis of the table is that these are concepts and criteria that we use to judge how the system is being affected by the COVID-19 pandemic. The numbers and colors given are a guideline, not a hard and fast rule. For example, if in 2 weeks our hospitalized cases go up by a factor of 1.8 to a level of 740, we will still consider that to be very concerning and would not wait until the doubling time worsens or the census tops 750.

- Hospital Surge Plans are already activated to an extent, as conditions worsen (higher COVID-19 inpatient burden, Staffing struggles, PPE concerns)

- Does this trigger a shift to crisis care strategies and an activation of surge plans?
That number is one factor. Surge plans are already activated to an extent. Increased concerns (more factors in the worrisome category) means increased amount of surge as in the next question.

- What are the surge plans and crisis care strategies that would be implemented?
-Modifying units, such as converting beds/rooms to ICUs and negative pressure rooms
-Expanded beds also includes surge tents
-Flexing nursing staffing ratios

- How was the 750-patient threshold determined?
Initial surge capacity of the hospitals was around 1000 beds. We figured that if we were getting close to that number, we need to take extra steps beyond the initial ones. Again, the exact number is not as important as the concept of stress on the system.

- All hospitals are impacted. We initially saw the highest degree of hospital burden in the hot spots of the county (Anaheim and Santa Ana), but as COVID-19 has become more widespread we are seeing the burden shift to hospitals based on their size, not just location.

AGENCY OPERATIONS CENTER / LOGISTICS SECTION
- AOC Activated at Level II; Hours of Operation Mon & Thurs 0900-1600; Warehouse Ops M-F 0900-1600
- SCARCE Resources: Gloves, Wipes

Total Activity		
INQUIRIES	**RR RECEIVED**	**RR FILLED**
13,989 +65	7,303 + 42	5,517 +107

Logistics Daily Units Distributed 08-03-20	
N95 Mask	9,700
Surgical Mask	7,050
Gown	28,861
Gloves	94,400
Face Shields/Eye Protection	2,690
Hand Sanitizer	224
Other	7,827
Total Units	**150,752**

Inventory Report February 18 to August 4, 2020	
Medical Supply/Equipment Total Units Distributed	
N95 Mask	2,744,780
Surgical Mask	1,318,825
Gowns	1,226,946
PPE-Suit	17,645
Gloves	1,676,350
Eye Protection	237,031
Hand Sanitizer	292,746
Other Items	718,032
Total Units	**8,232,355**

Resource Requests
U:\1 REAL EVENTS\COVID-19\3) MHOAC\MHOAC Daily Med Health System Overall Status
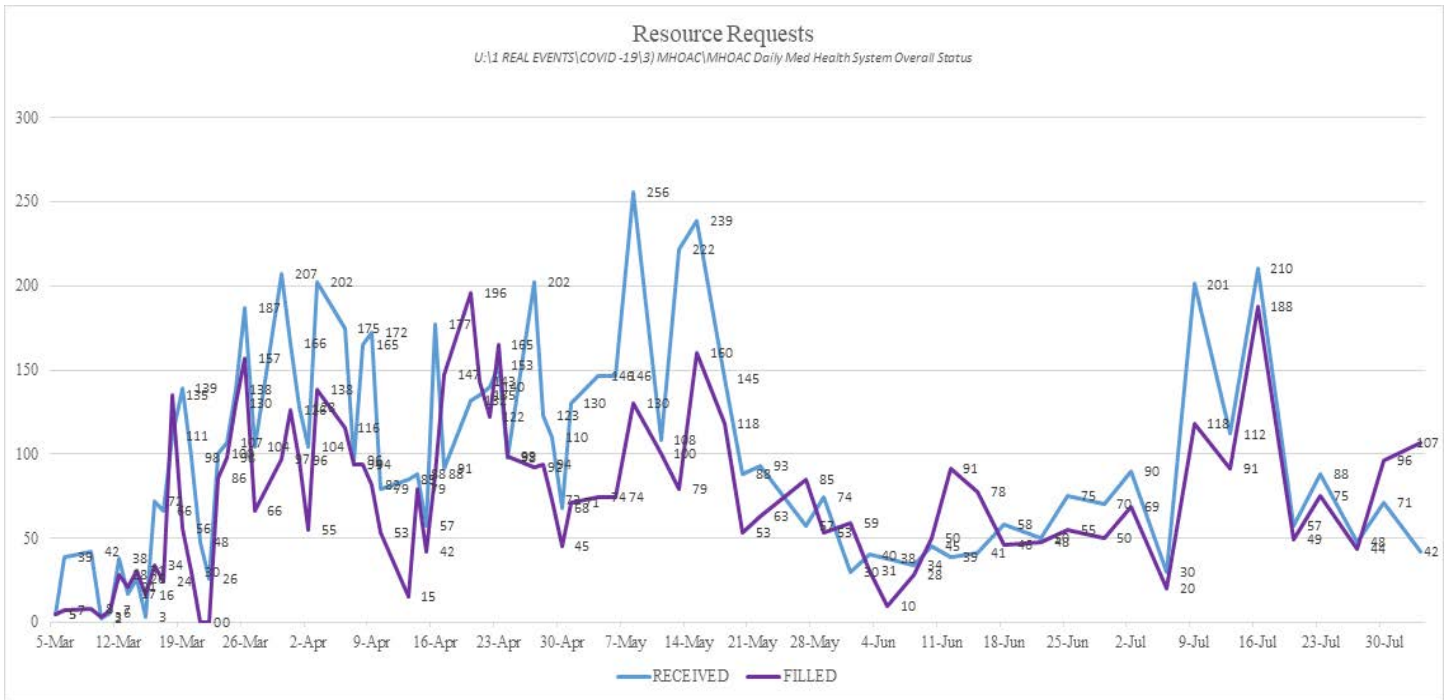
ALTERNATE CARE SITE
*Site open indefinitely to support hospital/SNF decompression

Fairview (COVID-19 +)		
Patient Census (as of 8/05/2020 07:30)	CURRENT	TOTAL
Orange County	8	63
LA County	6	25
Ventura County	0	1
Total patients CENSUS / TOTAL ACCEPTED	14	89
Patients Discharged		TOTAL
AMA		4
DISCHARGED		71
TRANSFERRED		0