OVERVIEW OF CURRENT SITUATION (08/25/20 0830)   *Source: Johns Hopkins University & Medicine https://coronavirus.jhu.edu/map.html*

	Cases / Deaths
Worldwide:	23,694,646 / 814,354
Nationwide:	5,743,686 / 177,536
California:	676,717 / 12,261
Orange County:	46,642 / 912 *Source: Orange County COVID-19 Case Counts & Testing Figures*

ORANGE COUNTY PUBLIC HEALTH (as of 08/25/20 1000)

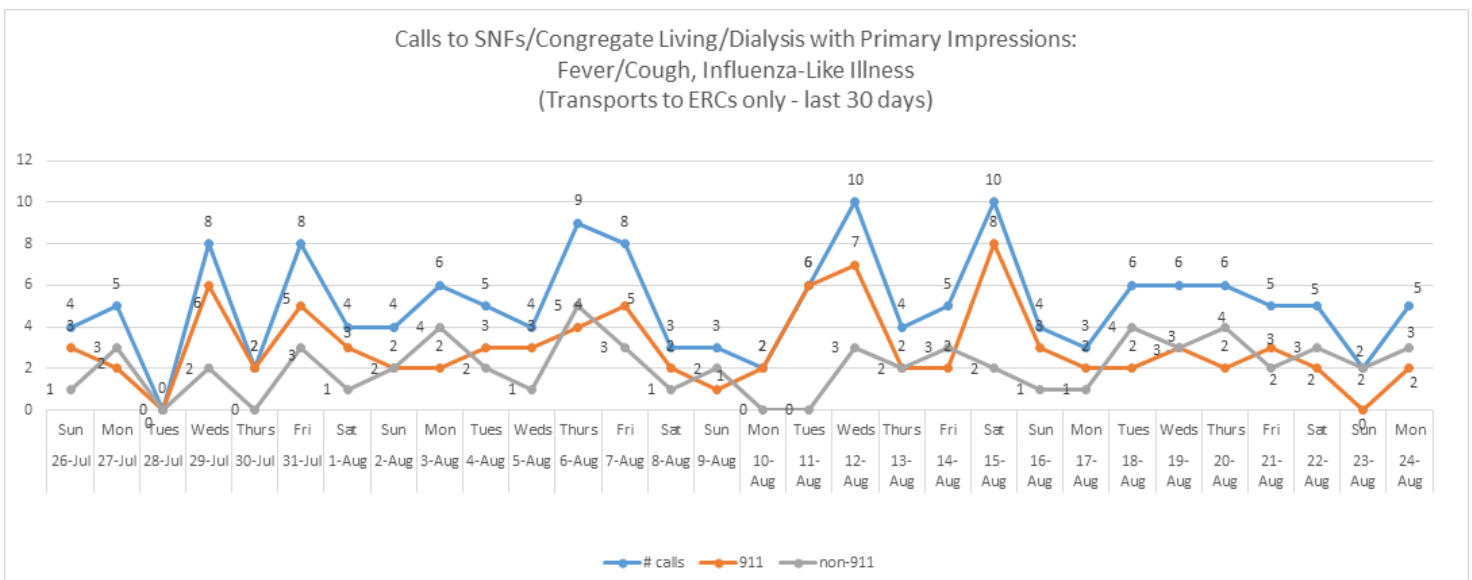| Orange County COVID-19 Summary* *click for full details*	Sat 8/22/20	Sun 8/23/20	Mon 8/24/20	Tue 8/25/20	Wed 8/26/20	Thu 8/27/20	Fri 8/28/20
Cases Reported to Date	45,801	45,954	46,307	46,642			
Deaths Reported to Date	896	897	897	912			
Tests Reported Today	7,559	5,163	3,305	8,108			
Cumulative Tests to Date	588,919	594,082	597,387	605,495			
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==							

COUNTY DATA MONITORING UPDATE (08/20/20)

- August 19 was the first day that Orange County is below all of the State's data monitoring thresholds. As a reminder, we need to maintain this status for three consecutive days in order to be removed from the County Monitoring List. If this trend continues, Orange County will be off the Monitoring list on the State website on August 22 and our projected day 15 would then be September 6. On our data dashboard, we've added a countdown clock to track how many days we have been off the monitoring list, which can be viewed here: https://ochca.maps.arcgis.com/apps/opsdashboard/index.html#/cc4859c8c522496b9f21c451de2fedae

- Based on the K-12 Reopening Framework, once Orange County has been off of the monitoring list for 14 days **all in-person** instruction can resume. Once a county is off the list, we are still subject to the Governor's July 13th order with respect to sector closures. Indoor operations shall remain closed, even when a county is removed from the County Monitoring List, until the State Health Officer modifies the Order and authorizes re-opening.

SKILLED NURSING/ASSISTED LIVING/RESIDENTIAL CARE FACILITY – TRENDS

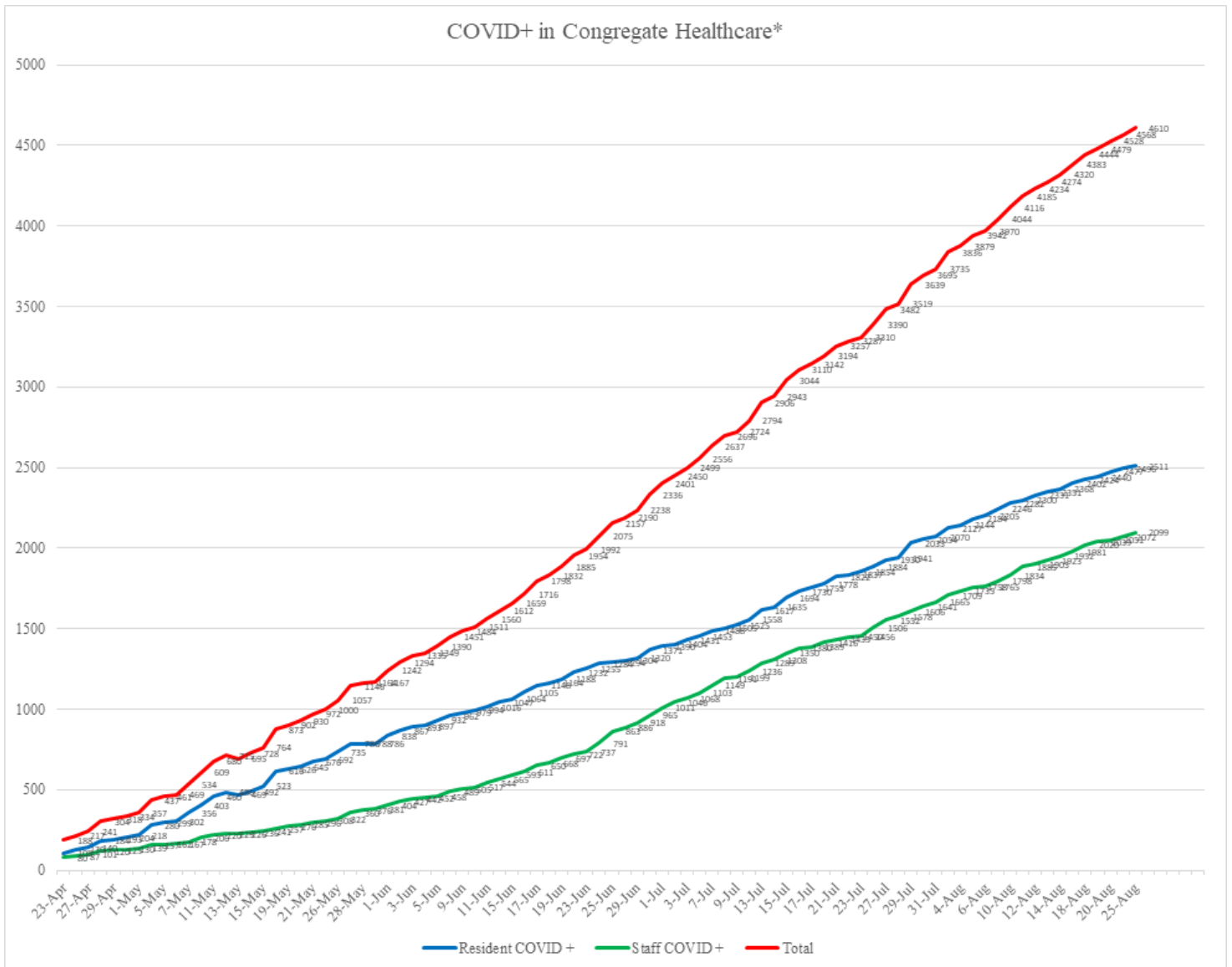*Data Source: Orange County Medical Emergency Data System (OC-MEDS)

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

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

Reporting Date: 8/25/20 (73/73 SNFs reported)	Skilled Nursing Facility PPE – DAYS ON HAND*			
	0 - 3 days	4 - 7 days	8-14 days	15+ days
N95 Masks	1	4	16	52
Surgical Masks	0	4	15	54
Eye Protection	0	3	17	53
Gowns	0	4	16	53
Gloves	1	4	17	51
Alcohol-Based Hand Sanitizer	0	4	15	54

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

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

Current and Previous Facility Outbreaks (as of 8/24/20 1700)		
Facility Type by Licensing Category	#	*An "Outbreak" is two (2) or more confirmed cases of COVID-19 in facility occurring within 14 days.*
Skilled Nursing Facility	47	Alamitos West Health & Rehab, Alta Gardens Care Center, Anaheim Crest, Anaheim Healthcare Center, Anaheim Terrace, Beachside Care Center, 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, Mesa Verde Post Acute Care Center, 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, St. Elizabeth Healthcare Center, Terrace View Care Center, The Hills Post Acute, The Pavilion at Sunny Hills, Victoria Healthcare, Walnut Village Rehabilitation And Care Center, West Anaheim Extended Care, Windsor Gardens Center of Anaheim
Elderly Assisted Living	49	Acacia Villa, ActivCare Yorba Linda, Anaheim Crown Plaza, Arbor Palms Of Anaheim, Ardent Care Assisted Living, Atria Del Sol, Atria San Juan, Brookdale Anaheim, Brookdale Nohl Ranch, Brookdale San Juan Capistrano ALF, Cambridge Court, Cambridge House, Capriana (Oakmont), Care Jeselle, Carmel Village, Crown Cove, Del Obispo Terrace, DelSol Home, Emerald Court, Golden Leisure Home III, Harvest Retirement, Heathers McKinley, Heathers Wintergreen, Hollybrooke Senior Living, Huntington Terrace, Kaego's Richman Gardens, Kamstra Care Home, Karlton Residential, Meridian At Anaheim Hills, Pacific Shores Laguna Hills, Pacific Shores Mission Viejo, Pacifica Senior Living South Coast, Park Plaza, Park Regency Retirement Center, Regency, Rowntree Gardens, San Clemente Villas By The Sea, Seacliff Assisted Living, Silverado Newport Mesa, Silverado San Juan Capistrano, Silverado Tustin Hacienda, St Francis Home, St Therese Residential Care, Sunflower Gardens, Sunrise Villa Bradford, Valley View Gardens, Vivante on the Coast, Walnut Village, Whitten Heights

EMERGENCY MEDICAL SERVICES STATUS

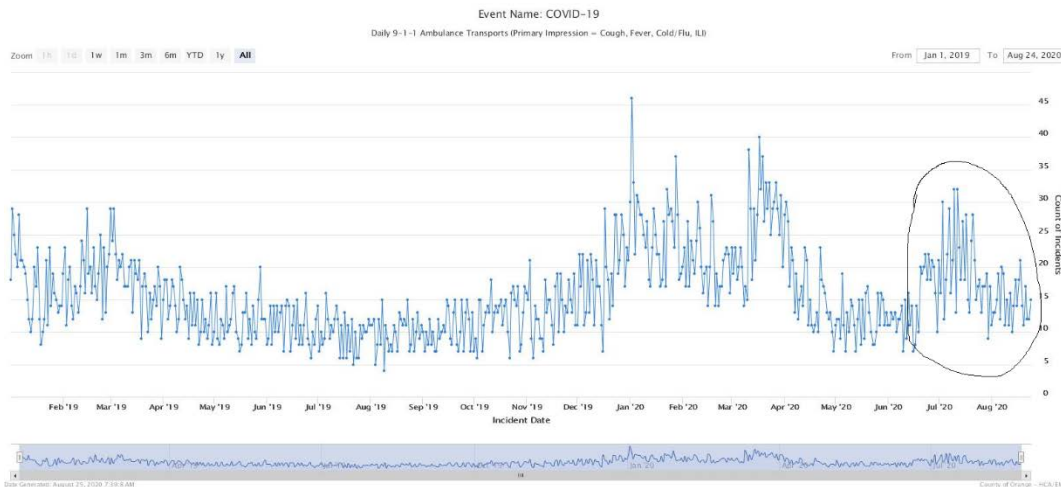*Data Source: Orange County Medical Emergency Data System (OC-MEDS)

- 9-1-1 ambulance transport volume increased gradually over the last several days. They are averaging about 10-15% below normal overall.
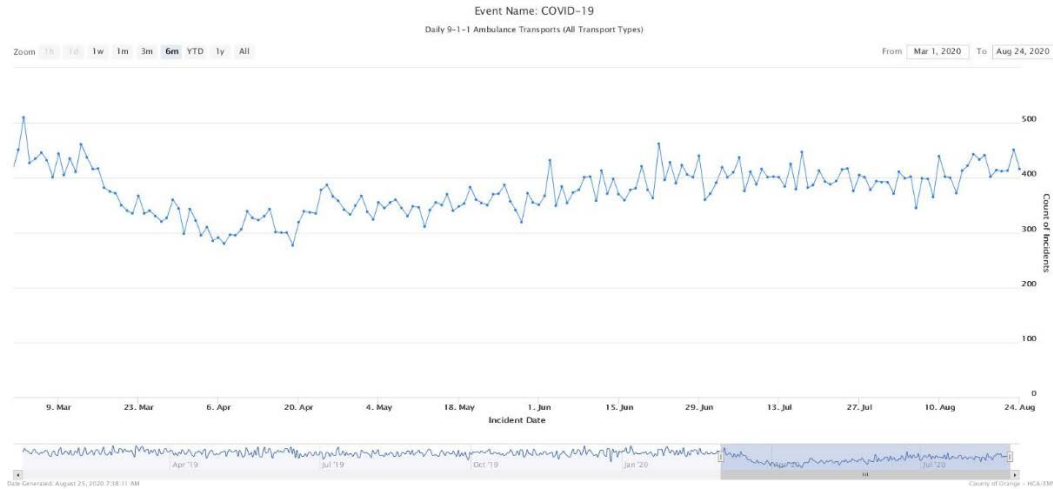
- Non-emergency ambulance transports appear to have stabilized and are averaging about 25-30% below normal.
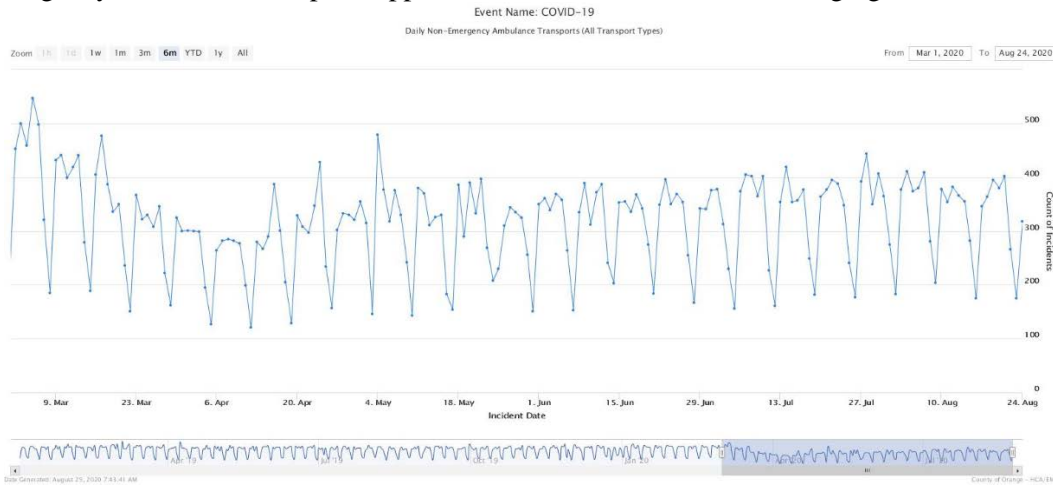
- Primary Impressions of Cold/Flu/ILI by 9-1-1 EMS providers continue to be somewhat above baseline levels.

- 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: 16m07s / Current 90th Percentile APOT is: 34m30s**==

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

- Twelve (12) ERCs had APOT times greater than thirty (30) minutes.
- Four (4) 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)
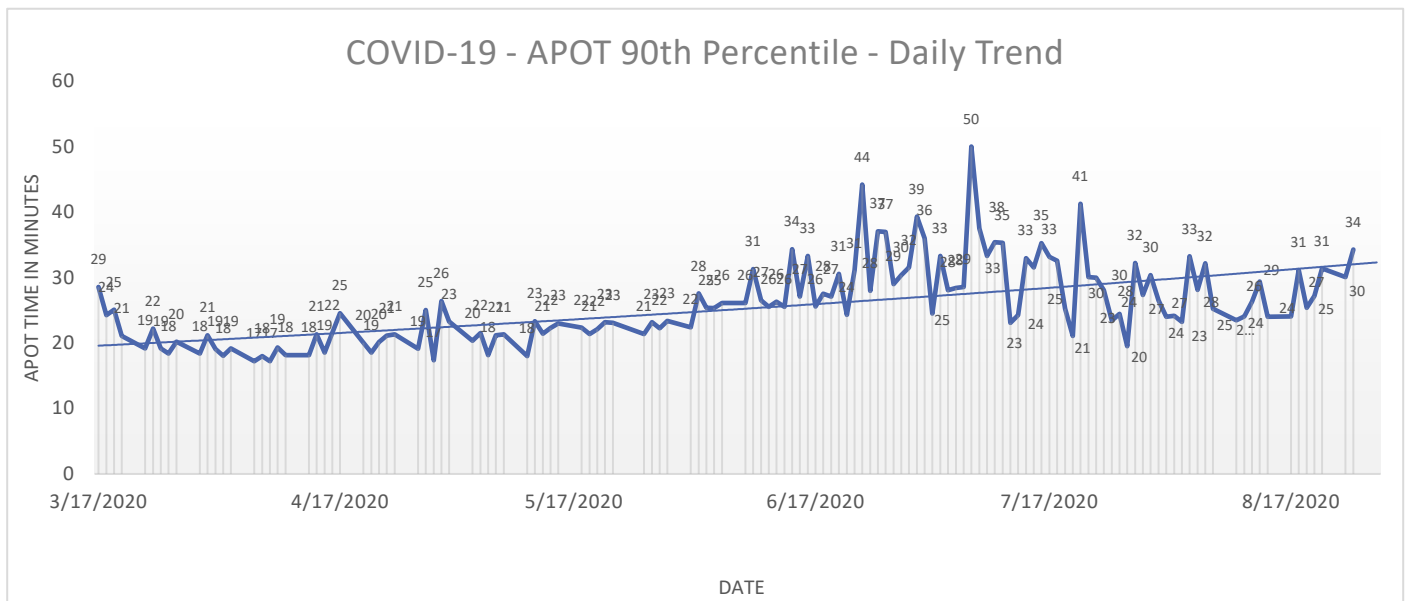
- ==Emergency Department (ED) Diversion & Computerized Tomography (CT) (ED closed to all ambulance transport due to no ED capacity or no CT available) for the last 30 days 7/26/20 – 8/24/20 below.==

*Data Source: ReddiNet

(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, Kai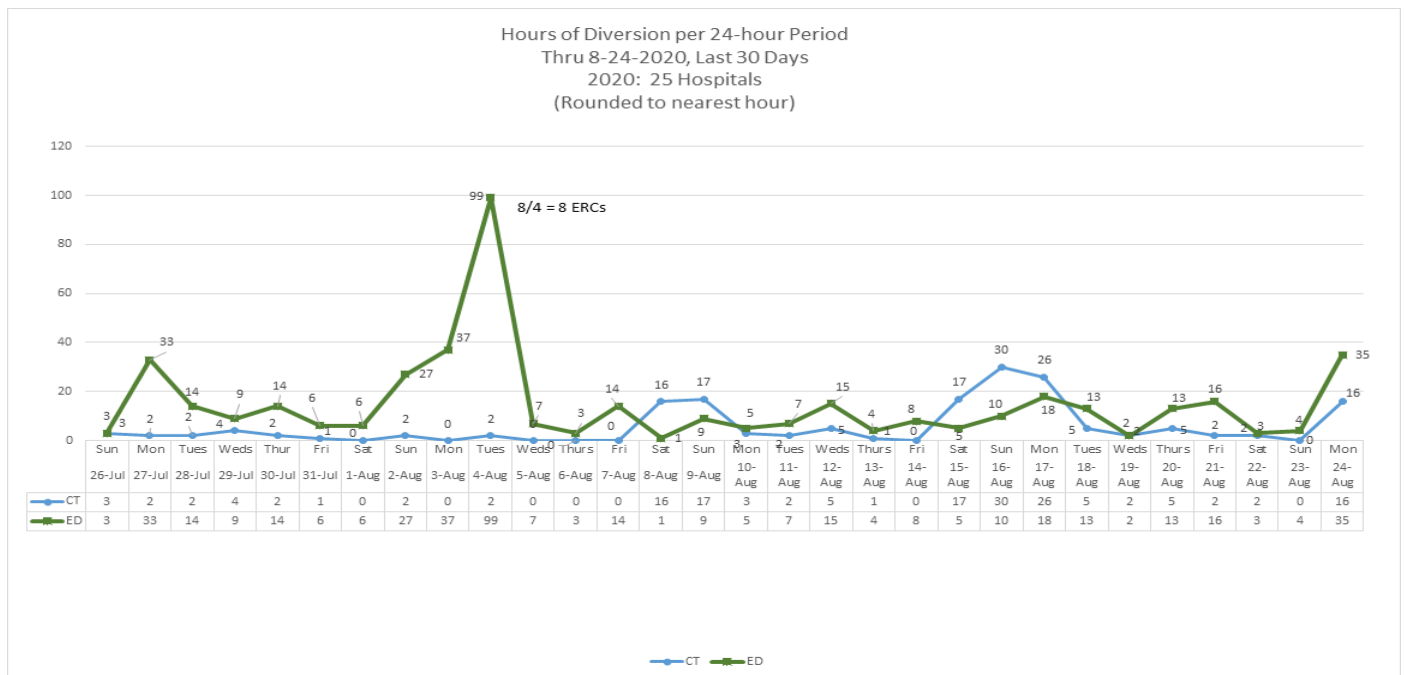ser-Irvine, La Palma, Los Alamitos, Mission –Laguna Beach, Mission-Mission Viejo, Orange Coast Memorial, Orange County Global, Placentia Linda, Saddleback Memorial, Saint Jude, South Coast Global, St. Josephs, UCI, West Anaheim

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
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%
8/5	3597	67%	517	171	36%	56%	3238	66%	501	171	37%	60%
8/6	3553	66%	511	177	34%	64%	3196	65%	495	175	35%	68%
8/7	3474	68%	491	167	32%	63%	3103	66%	470	165	33%	67%
8/8	3091	61%	487	163	43%	66%	2726	59%	466	161	44%	70%
8/9	3276	65%	468	152	33%	64%	2918	64%	447	150	34%	67%
8/10	3237	64%	441	141	36%	64%	2888	63%	421	139	37%	68%
8/11	3432	67%	440	141	32%	63%	3075	66%	421	140	33%	67%
8/12	3491	68%	438	143	29%	65%	3128	66%	418	142	30%	69%
8/13	3483	68%	436	152	31%	56%	3114	67%	416	150	32%	60%
8/14	3459	69%	434	138	31%	57%	3084	68%	408	137	32%	62%
8/15	3496	70%	422	133	30%	57%	3329	69%	419	133	30%	57%
8/16	3358	68%	414	132	29%	56%	3195	68%	411	132	29%	55%
8/17	3358	68%	409	124	31%	56%	3200	68%	406	124	31%	56%
8/18	3503	71%	419	124	30%	56%	3348	70%	416	124	30%	56%
8/19	3572	72%	400	118	32%	58%	3416	71%	397	118	32%	57%
8/20	3508	71%	397	117	30%	58%	3342	70%	394	117	30%	58%
8/21	3667	73%	392	110	31%	59%	3510	73%	389	110	31%	59%
8/22	3531	71%	380	111	29%	58%	3371	71%	377	111	29%	58%
8/23	3422	69%	388	116	32%	59%	3255	68%	388	116	32%	59%
8/24	3384	68%	385	113	33%	58%	3229	68%	385	113	33%	58%

*Data Source: California Department of Public Health (CDPH) – Snowflake server
*HHS significantly changed reporting requirements for hospitals effective 07/22/20.
Current data is posted on the CDPH website at:
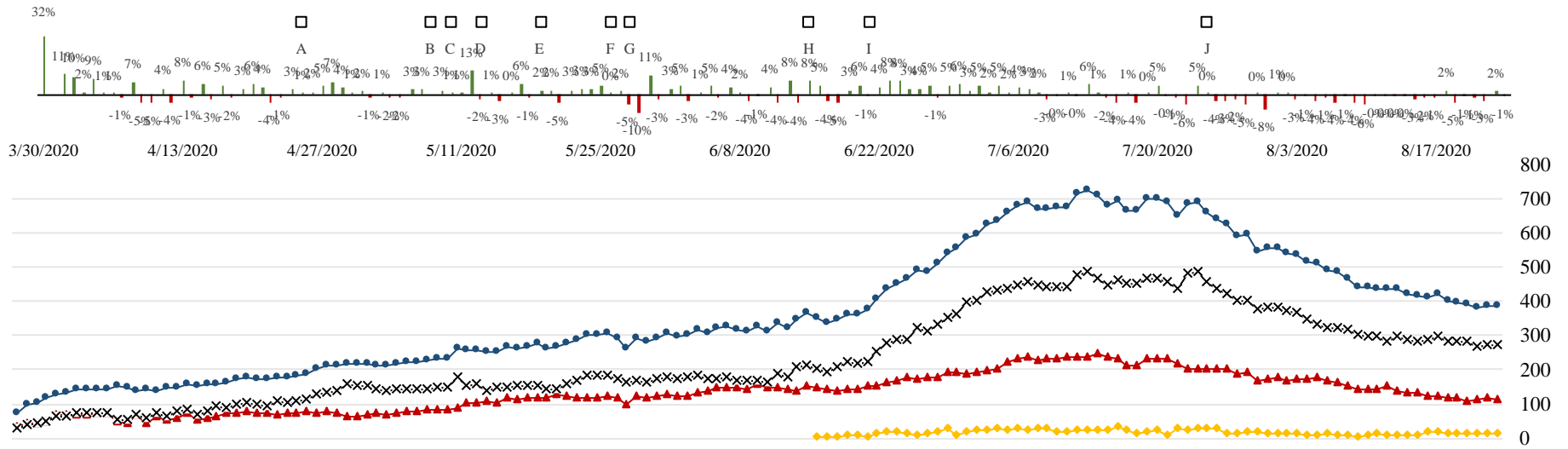https://public.tableau.com/views/COVID-19HospitalsDashboard/Hospitals?%3Aembed=y&%3AshowVizHome=no

COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)(03/29/20 - 08/24/20) | 33 ACUTE CARE FACILITIES REPORTING

NON-ICU - 08/24/20 X			ICU - 08/24/20 ▲			ED OVERFLOW - 08/24/20 ♦			SYSTEM - 08/24/20 ●			1 DAY +/- (08/23/20)			3 DAY +/- (08/21/20)			7 DAY +/- (08/17/20)		
272	0	0.0%	113	-3	-2.6% ▼	12	-3	-20.0% ▼	385	-3	-0.8% ▼	385	-3	-0.8% ▼	392	-7	-1.8% ▼	409	-24	-5.9% ▼

A.Face Covers Mandatory, B. Cinco de Mayo, C. OC Beaches Open, D. Mom's Day, E. OC Parks Parking Open, F. OC Stage 2 Approved, G. Memorial Day, H. Re-open entertainment, etc., I. CA Gov. Mask Mandate, J. Changes to data collection, Federal
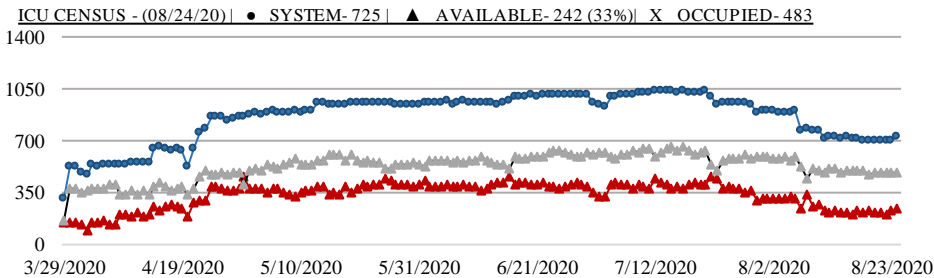
ICU CENSUS - (08/24/20) | ● SYSTEM- 725 | ▲ AVAILABLE- 242 (33%)| X OCCUPIED- 483

242 AVAILABLE ICU
33%

7-DAY HISTORY BED OCCUPANCY - (08/24/20) | IN-PATIENT BEDS- 3435

8/18/2020	8/19/2020	8/20/2020	8/21/2020	8/22/2020	8/23/2020	8/24/2020
57%	58%	57%	59%	58%	56%	55%
3,570	3,631	3,585	3,722	3,597	3,473	3,435

VENTILATORS - (08/24/20) | ● SYSTEM- 908 | ▲ AVAILABLE- 525 (58%) X OCCUPIED- 383 | ♦ COVID

525 AVAILABLE VENTS
58%

SURGE CENSUS - (08/24/20) | ▲ OCCUPIED- 51 | ● SYSTEM- 1272
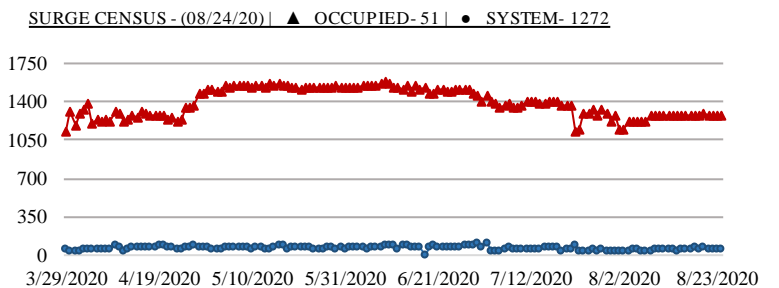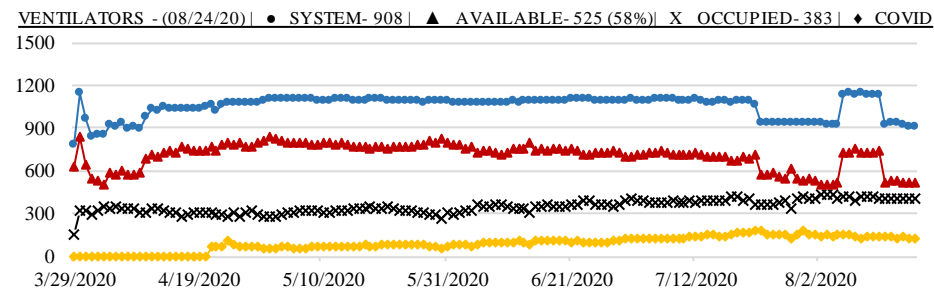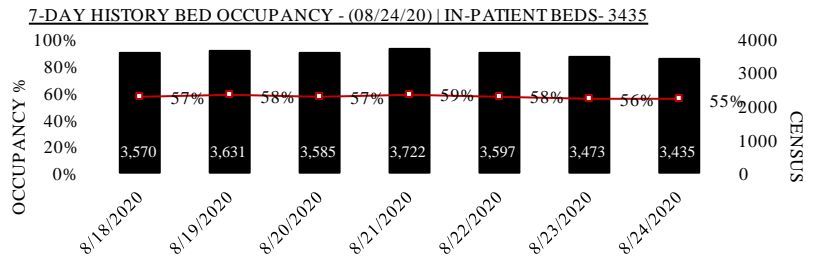
COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)
VENTILATORS IN USE (07/26/20 - 08/24/20) | 33 ACUTE CARE FACILITIES REPORTING
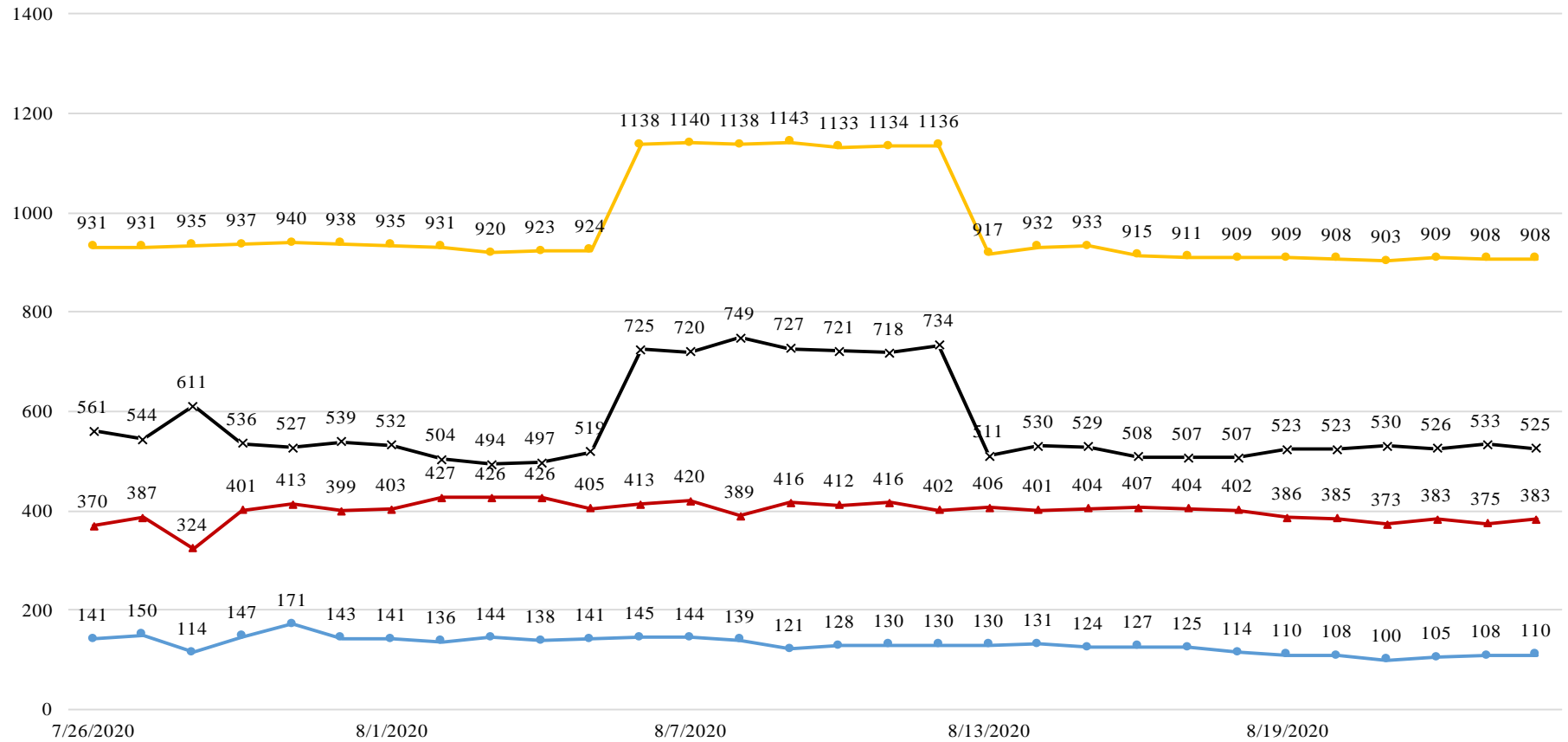
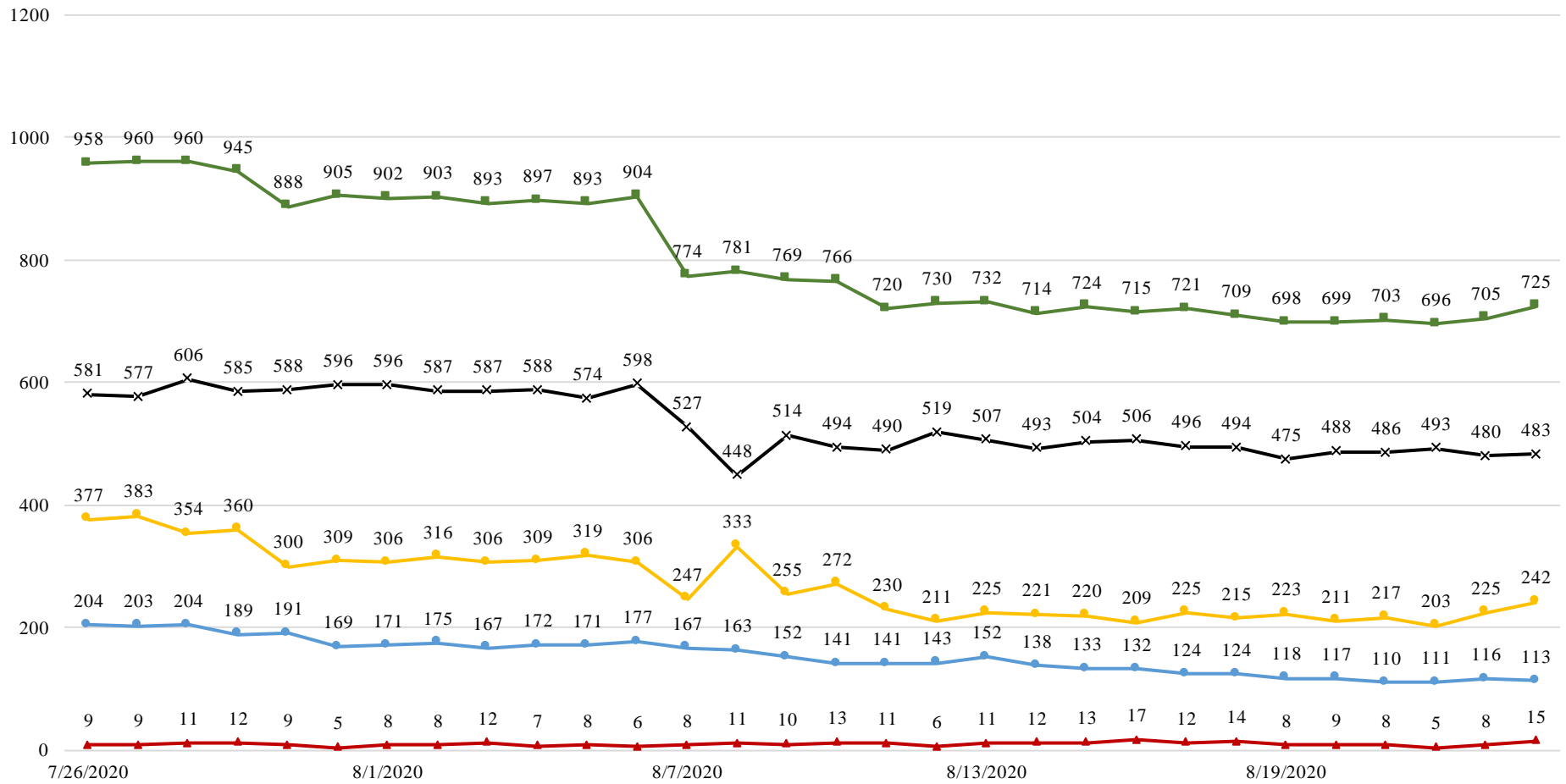| DATE	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24
COVID+ ●	141	150	114	147	171	143	141	136	144	138	141	145	144	139	121	128	130	130	130	131	124	127	125	114	110	108	100	105	108	110
SYSTEM OCC ▲	370	387	324	401	413	399	403	427	426	426	405	413	420	389	416	412	416	402	406	401	404	407	404	402	386	385	373	383	375	383
SYSTEM AVL ✗	561	544	611	536	527	539	532	504	494	497	519	725	720	749	727	721	718	734	511	530	529	508	507	507	523	523	530	526	533	525
SYSTEM TTL ◆	931	931	935	937	940	938	935	931	920	923	924	1138	1140	1138	1143	1133	1134	1136	917	932	933	915	911	909	909	908	903	909	908	908

COVID+ = CONFIRMED AND SUSPECTED PATIENTS ON A VENTILATOR
*OCC = VENTILATORS IN USE, INCLUDING COVID+ PATIENTS AND OTHER VENT PATIENTS
**AVL = AVAILABLE NON SURGE ICU BEDS
***TTL = TOTAL NON SURGE ICU BEDS

**CDPH updated how PPE and ventilator supplies are counted on 8/13/20.

COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)
ICU BEDS (07/26/20 - 08/24/20) | 33 ACUTE CARE FACILITIES REPORTING

DATE	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24
CONFIRMED ●	204	203	204	189	191	169	171	175	167	172	171	177	167	163	152	141	141	143	152	138	133	132	124	124	118	117	110	111	116	113
SUSPECTED ▲	9	9	11	12	9	5	8	8	12	7	8	6	8	11	10	13	11	6	11	12	13	17	12	14	8	9	8	5	8	15
OCCUPIED ✗	581	577	606	585	588	596	596	587	587	588	574	598	527	448	514	494	490	519	507	493	504	506	496	494	475	488	486	493	480	483
SYSTEM AVL ◆	377	383	354	360	300	309	306	316	306	309	319	306	247	333	255	272	230	211	225	221	220	209	225	215	223	211	217	203	225	242
SYSTEM TTL ■	958	960	960	945	888	905	902	903	893	897	893	904	774	781	769	766	720	730	732	714	724	715	721	709	698	699	703	696	705	725

*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.

*Data Source: California Department of Public Health (CDPH) – Snowflake server
*HHS significantly changed reporting requirements for hospitals effective 07/22/20.
**CDPH updated how PPE and ventilator supplies are counted on 8/13/20. Count of PAPRs are no longer available.
 This table has been updated based on data provided by hospitals using the new HHS data standards

Reporting Date: 8/24/20* (33/33 ACHs reported)	Acute Care Hospital PPE / Ventilator Supplies – DAYS ON HAND					
	30 days +	**15-30 days**	**7-14 days**	**4-6 days**	**0-3 days**	**Not Reported**
Ventilator Supplies**	1	4	11	2	1	14
N95 Masks**	13	8	2	2	0	8
Surgical Masks**	11	6	5	2	0	9
Face Shields**	12	5	5	1	1	9
Gloves**	7	10	9	0	0	7
Gowns**	10	8	5	2	0	8

*Data Source: ReddiNet

Reported Operational Status Acute Care Hospitals w/ Emergency Departments			
	Green	**Yellow**	**Orange**
23 / 25 Reporting	17	7	1

Reported Service Category Status Acute Care Hospitals w/ Emergency Departments (#25)		
Status Item	**Yes**	**%**
Command Center Activated	16	64%
Surge Plan Activated	14	56%
Canceled Procedures/Services	6	24%
Supply Issues	7	28%
CDPH Flex	8	32%
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:
  o Increased pressure in hospitals & on the EMS system requires a shift to crisis care strategies
  o Low levels of PPE will come earlier than decreased capacity and cause an abrupt change in capacity.
  o Increased hospitalizations and low PPE could have a synergistic effect to reduce capacity.
  o 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 8/25/20			
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)	158.3 days		
Absolute COVID-19 Census in the hospital	385		
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 – Updated 08/24/20		
INQUIRIES	**RR RECEIVED**	**RR FILLED**
14,289 +54	7,593 + 47	5,871 +38

Logistics Daily Units Distributed 08-24-20	
N95 Mask	64,470
Surgical Mask	21,100
Gown	26,250
Gloves	62,100
Face Shields/Eye Protection	2,500
Hand Sanitizer	0
Other	14,322
Total Units	**190,742**

Inventory Report February 18 to August 21, 2020	
Medical Supply/Equipment Total Units Distributed	
N95 Mask	4,368,790
Surgical Mask	1,339,575
Gowns	1,507,826
PPE-Suit	17,645
Gloves	2,084,850
Eye Protection	278,431
Hand Sanitizer	298,489
Other Items	780,096
Total Units	**10,675,702**

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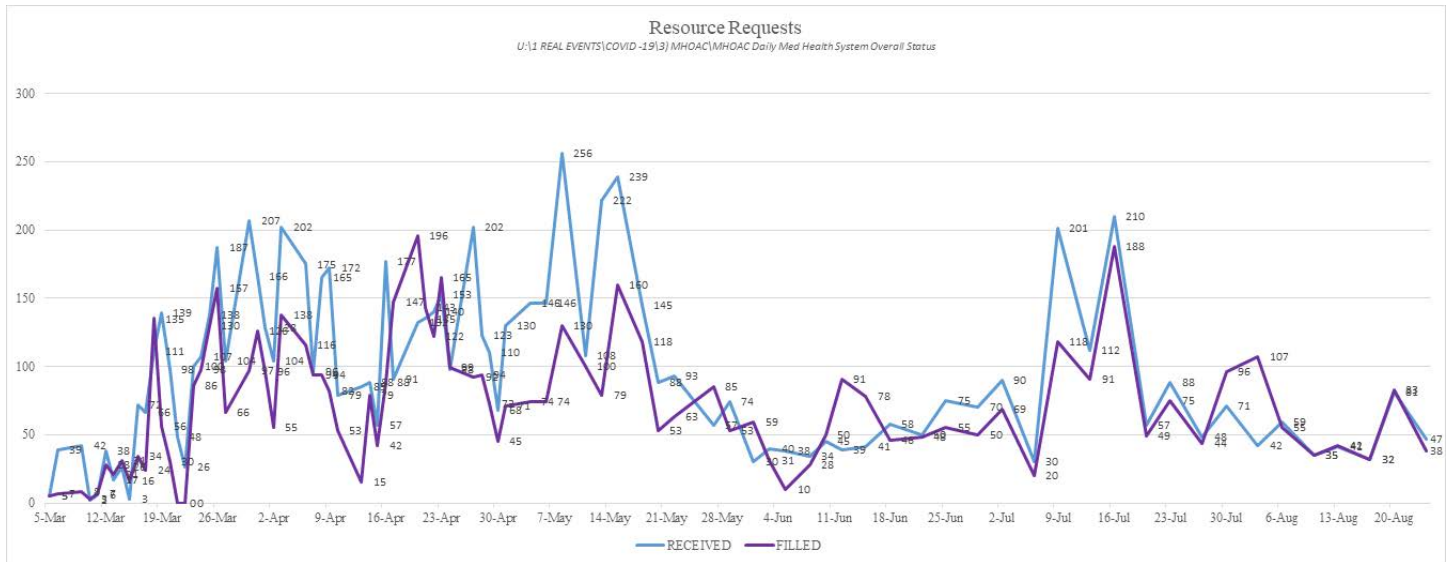
ALTERNATE CARE SITE
*Site open indefinitely to support hospital/SNF decompression
*Data Source: ReddiNet

Fairview (COVID-19 +)		
Patient Census (as of 8/25/2020 07:30)	CURRENT	TOTAL
Orange County	6	68
Los Angeles County	6	33
San Diego County	1	1
Ventura County	0	1
Total patients CENSUS / TOTAL ACCEPTED	13	103
Patients Discharged		TOTAL
AMA		4
DISCHARGED		86
TRANSFERRED		0