

OVERVIEW OF CURRENT SITUATION (3/24/21 0926) Source: Johns Hopkins University & Medicine <https://coronavirus.jhu.edu/map.html>

Cases / Deaths
 Worldwide: 124,430,336 / 2,738,603
 Nationwide: 29,930,674 / 544,452
 California: 3,647,140 / 57,798
 Orange Co: 249,067 / 4,511 Source: [Orange County COVID-19 Case Counts & Testing Figures](#)

ORANGE COUNTY PUBLIC HEALTH (as of 3/24/21 1145)

[Orange County COVID-19 Summary* click for full details](#)

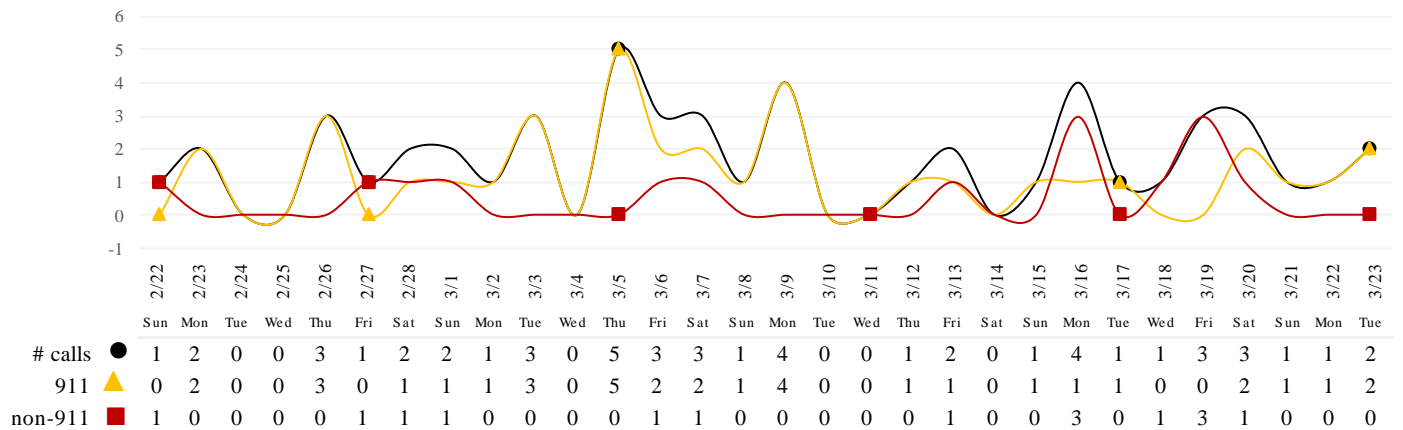
	Thu 3/18/21	Fri 3/19/21	Sat 3/20/21	Sun 3/21/21	Mon 3/22/21	Tues 3/23/21	Wed 3/24/21
Cases Reported to Date	249,181	249,308	249,426	249,539	249,641	249,760	249,842
Deaths Reported to Date	4,522	4,536	4,562	4,607	4,608	4,635	4,646
Tests Reported Today	11,880	14,079	13,852	8,003	4,912	7,150	9,836
Cumulative Tests to Date	3,213,470	3,227,549	3,241,401	3,249,404	3,254,316	3,261,466	3,271,302

*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) – Updated 3/23/21

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



3/17: Row headers for 911 and non-911 were switched to accurately reflect the item being reported. Total number of calls did not change.

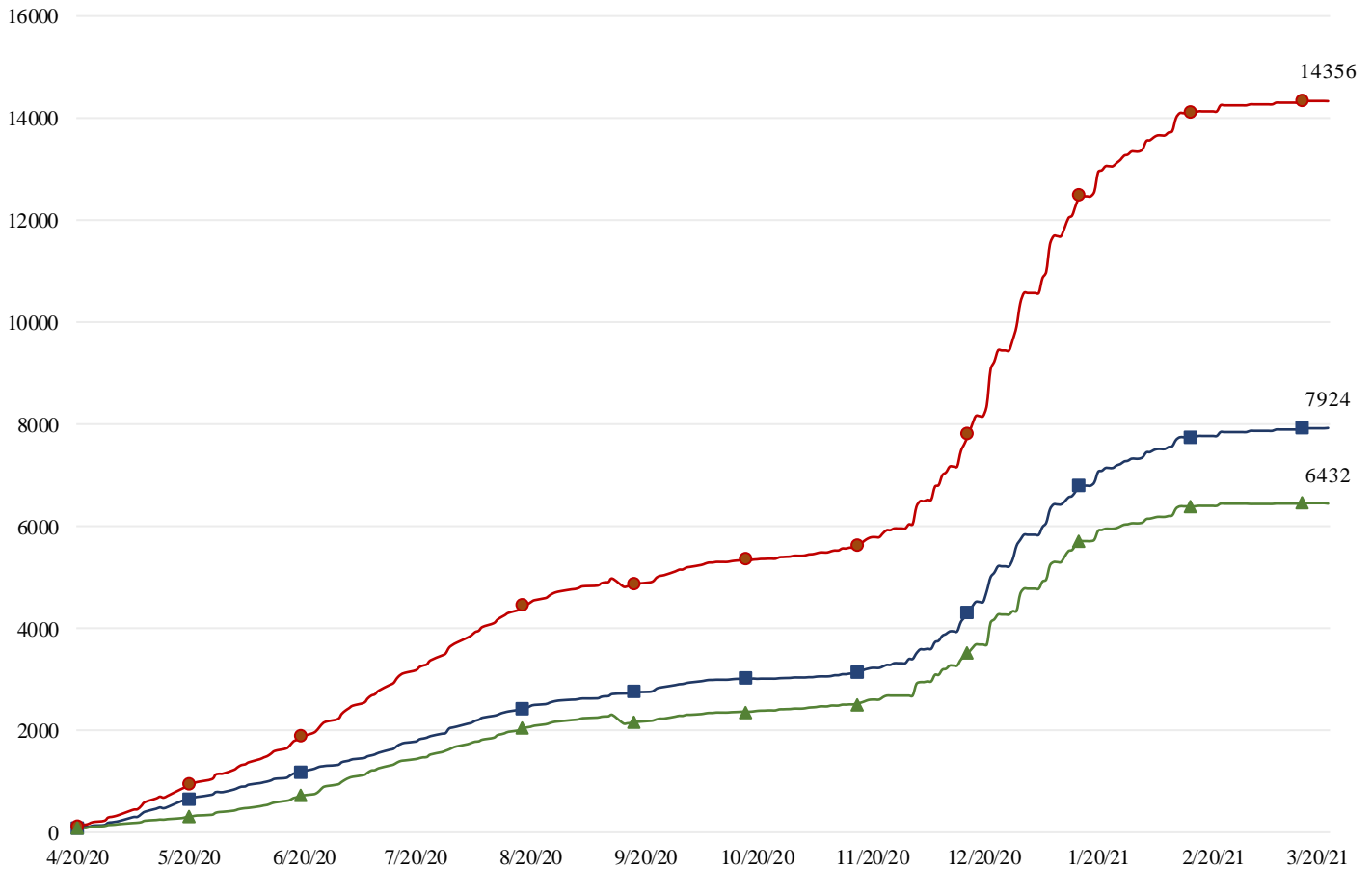
*Data Source: California Department of Public Health (CDPH)

Skilled Nursing/Assisted Living/Residential Care Facility PPE / Ventilator Supplies Days on Hand (67/73 SNFs reported)

Reporting Date: 3/23/2021	0 - 3 days	4 - 7 days	8-14 days	15+ days
N95 Masks	0	1	12	54
Surgical Masks	0	1	10	56
Eye Protection	0	1	11	55
Gowns	0	1	9	57
Gloves	0	2	11	54
Alcohol-Based Hand Sanitizer	0	2	10	55

*Data Source: Orange County Health Care Agency – Public Health – 3/23/21

COVID+ in Congregate Healthcare*



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.

Resident COVID+ ■ Staff COVID+ ▲ Total ●

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

Current Facility Outbreaks (as of 3/23/21 1000)

An "Outbreak" is two (2) or more confirmed cases of COVID-19 in facility occurring within 14 days.

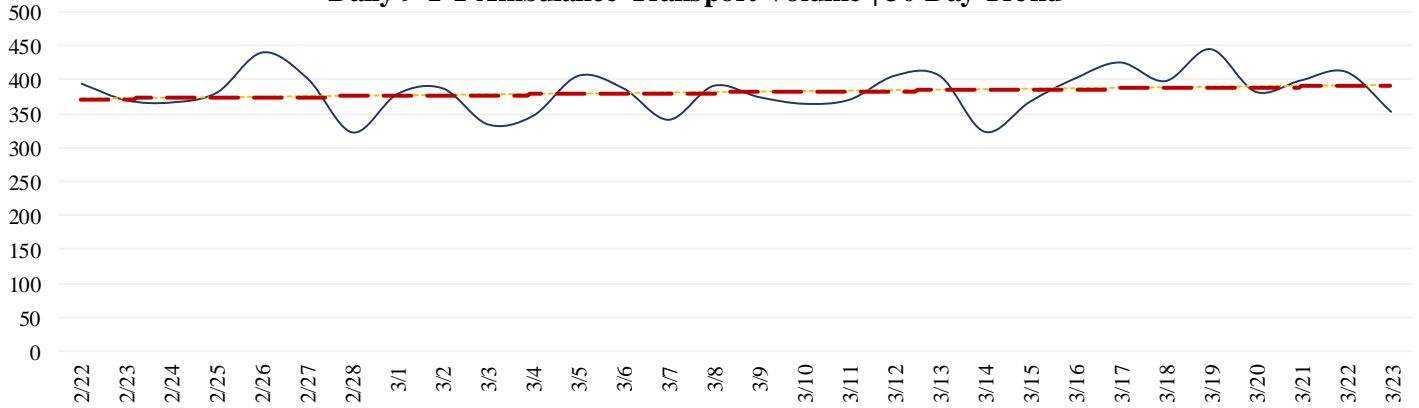
Facility Type by Licensing Category, Count	Facility Name Alphabetical
Skilled Nursing Facility 1	Huntington Valley Healthcare Center
Elderly Assisted Living 0	

EMERGENCY MEDICAL SERVICES STATUS

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

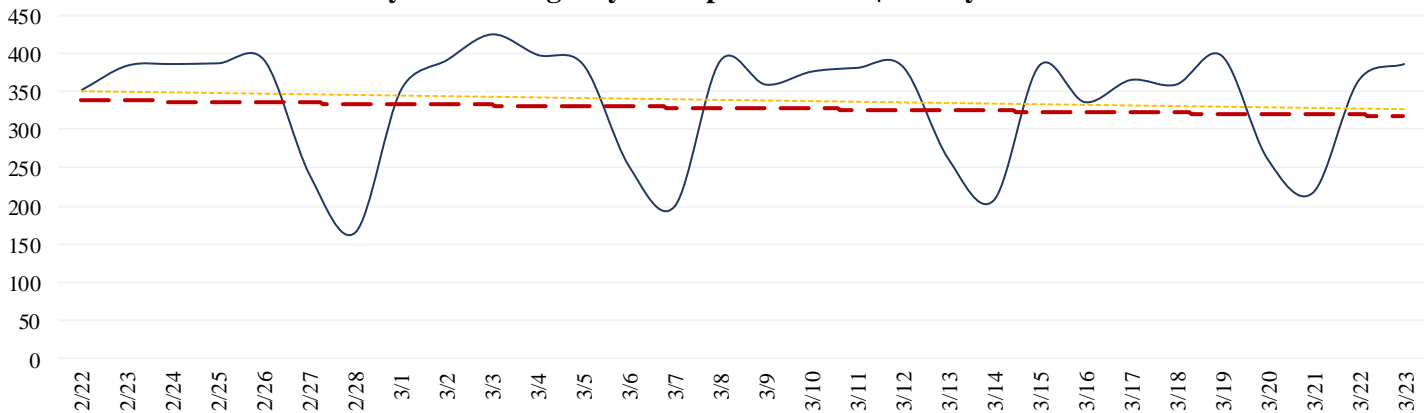
9-1-1 ambulance transport volume **has been trending up over the last several days**. Volume continues to average about **10-15% below normal** (pre-COVID) levels (Updated 03/24/21).

Daily 9-1-1 Ambulance Transport Volume | 30 Day Trend

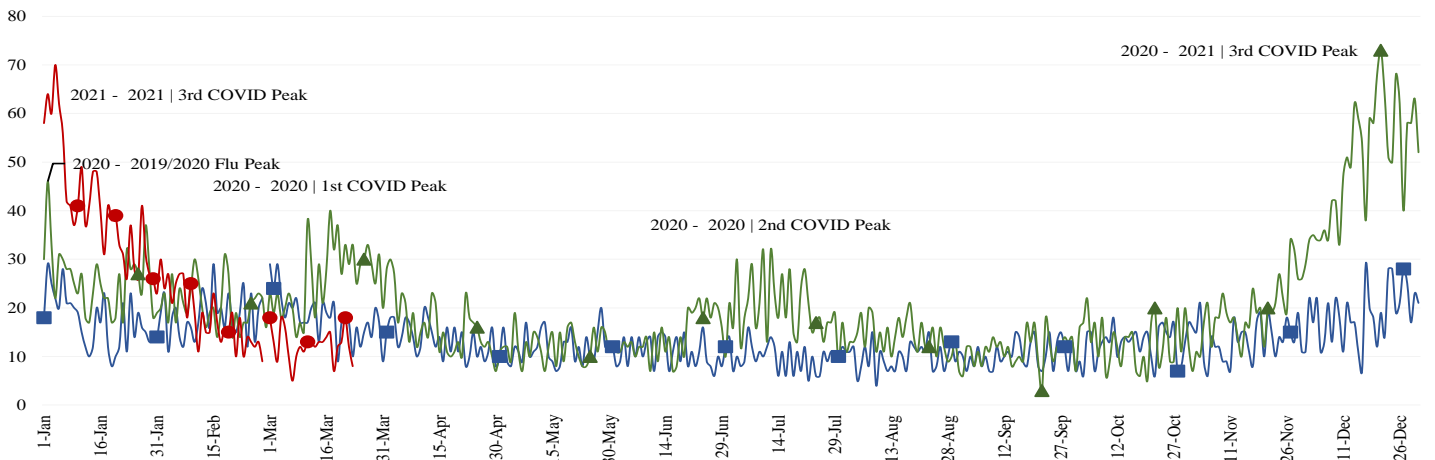


Non-emergency ambulance transports **have remained steady** over the last few weeks. Transport volume **continues to average about 30-35% below normal** (pre-COVID) levels overall (Updated 03/24/21).

Daily Non-Emergency Transport Volume | 30 Day Trend



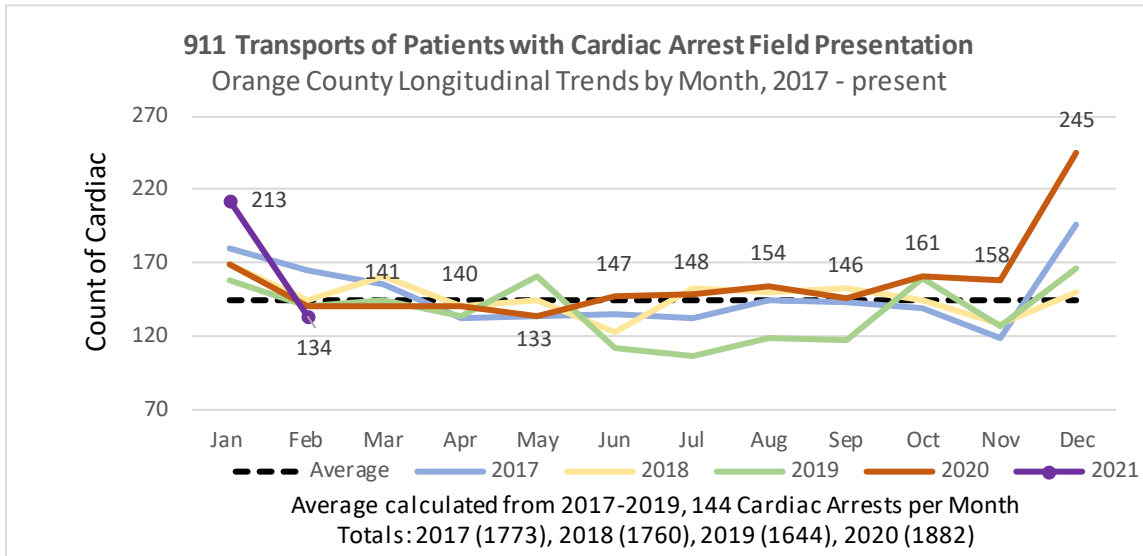
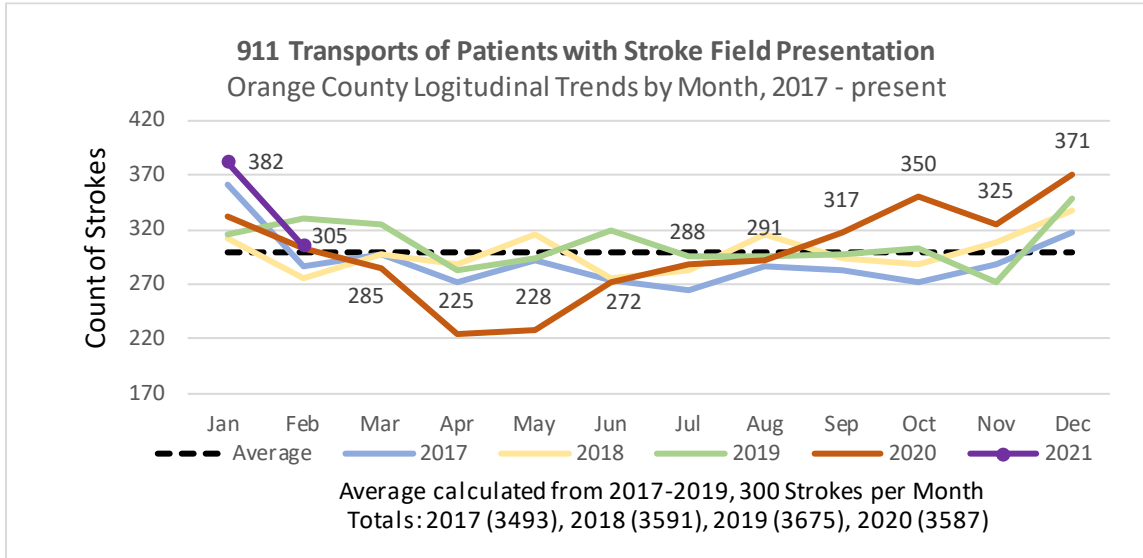
Primary Impressions of Cold/Flu/ILI by 9-1-1 EMS **have stabilized and are near normal baseline levels** for this time of year. (Updated 03/24/21).

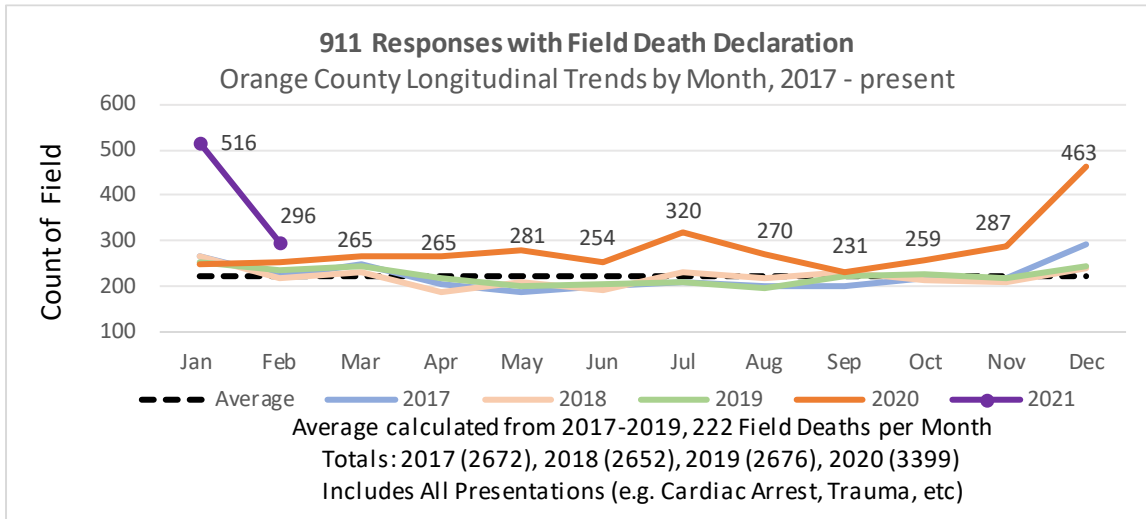


EMS Provider Impressions - Cold/Flu/ILI/COVID-19 Year Over Year Comparison (2019 ■, 2020 ▲, & 2021 ●)

911 EMS SYSTEM MONITORING

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





Summary Data Table for Chart, “911 Responses with Field Death Declaration”

	2017	2018	2019	2020	2021
January	268	267	254	250	516
February	224	216	235	254	296
March	248	233	245	265	
April	206	186	220	265	
May	186	210	202	281	
June	201	190	205	254	
July	211	233	208	320	
August	201	218	195	270	
September	199	233	222	231	
October	217	213	227	259	
November	217	211	217	287	
December	294	242	246	463	
Total	2378	2410	2430	3399	

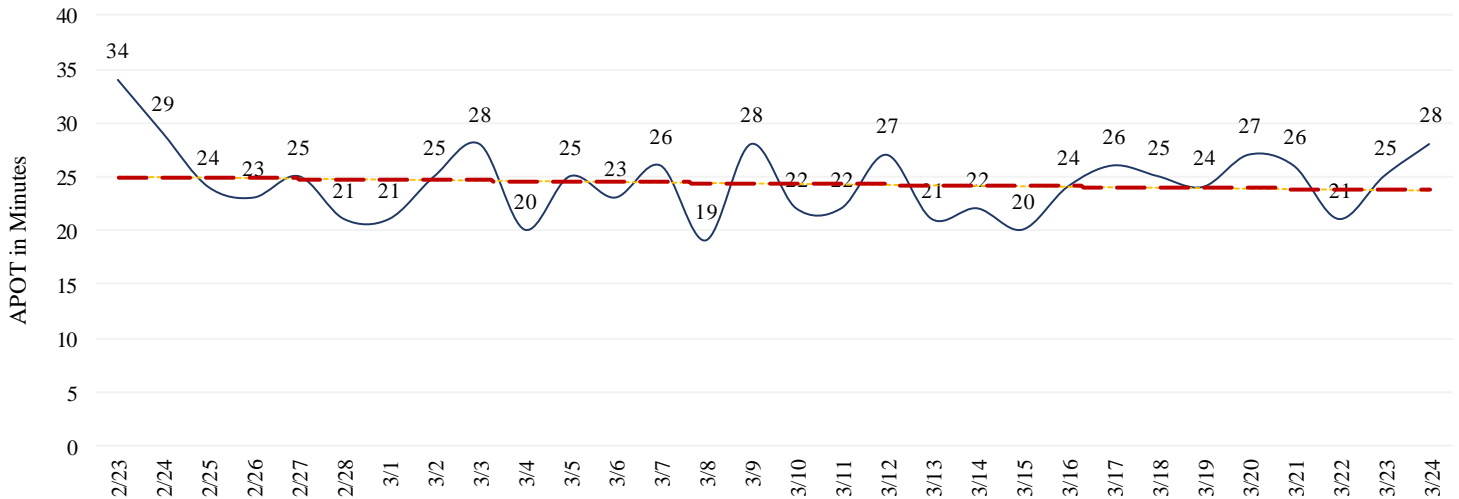
- Ambulance Patient Offload Time (APOT) is defined as the time the ambulance arrives at the receiving destination (wheels stop) to the time that the ambulance crew physically transfers the patient to the ED gurney. Last 24 hours: **Current Average APOT is: 12m46s / Current 90th Percentile APOT is: 28m16s**

- Six (6) ERCs had APOT times greater than thirty (30) minutes.
- Three (3) ERCs had APOT times greater than sixty (60) minutes.

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

*Data Source: Orange County Medical Emergency Data System (OC-MEDS) – Updated 3/24/21

COVID 19 - APOT 90th percentile | Daily Trend

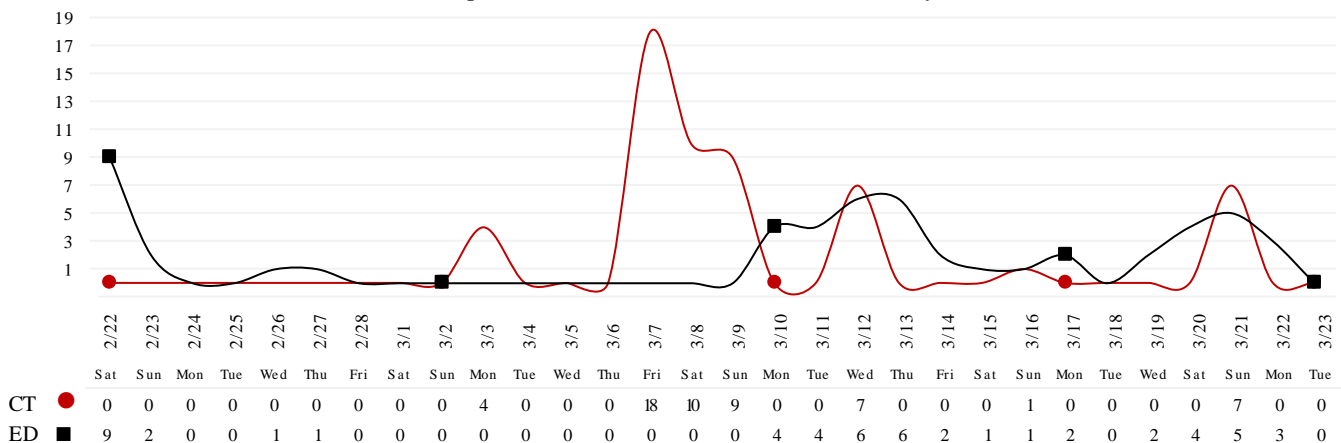


Note: a handful of ERCs were close to the 30 minute threshold, but were not over it.

- 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.
- NOTE: Suspension of Hospital Diversion was reinstated, 1/4/21, @ 1900.**
- NOTE: Hospital Diversion was reinstated on 1/25/21 @ 1900.**

*Data Source: Orange County Medical Emergency Data System (OC-MEDS) – Updated 3/23/21

Hours of Diversion per 24-Hour Period
 (25 Hospitals, rounded to nearest hour - Last 30 Days)



3/24/21

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

*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

33 HOSPITALS

Date	Census All System	Occupancy % System	COVID+ Hospitalized System	COVID+ Hospitalized ICU Only (Adult & Peds)	% COVID+ hospitalized of ICU Occupied (Adult & Peds)	ICU Occupied (Adult & Peds)**	ICU Available (Adult & Peds)***	% ICU Available (Adult & Peds)****	ICU by Patient Age Group						% Ventilators Available
									Adult Occupied	Adult Available	Adult % Available	Pediatric Occupied	Pediatric Available	Pediatric % Available	
3/10	3497	67%	252	67	15%	448	243	35%	415	209	33%	33	34	51%	68%
3/11	3530	67%	245	74	16%	452	237	34%	425	197	32%	27	40	60%	68%
3/12	3484	66%	237	71	16%	458	236	34%	422	205	33%	36	31	46%	69%
3/13	3406	64%	241	76	18%	432	260	38%	403	222	36%	29	38	57%	69%
3/14	3265	63%	233	72	17%	425	249	37%	398	209	34%	27	40	60%	70%
3/15	3194	62%	216	62	15%	404	262	39%	379	220	37%	25	42	63%	71%
3/16	3287	64%	199	54	13%	418	255	38%	391	215	35%	27	40	60%	71%
3/17	3498	67%	213	49	11%	433	251	37%	399	218	35%	34	33	49%	70%
3/18	3511	67%	206	44	11%	399	254	39%	373	213	36%	26	41	61%	70%
3/19	3475	66%	197	43	10%	424	246	37%	400	203	34%	24	43	64%	69%
3/20	3480	66%	187	43	10%	426	254	37%	402	211	34%	24	43	64%	72%
3/21	3357	65%	195	50	12%	409	261	39%	387	216	36%	22	45	67%	70%
3/22	3315	65%	188	40	10%	400	264	40%	378	219	37%	22	45	67%	70%
3/23	3414	66%	172	36	9%	423	242	36%	395	203	34%	28	39	58%	71%

ICU occupied PREVIOUSLY 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 Available PREVIOUSLY 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 AVAILABLE PREVIOUSLY % 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. *****% COVID+ hospitalized of ICU Occupied PREVIOUSLY % 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.

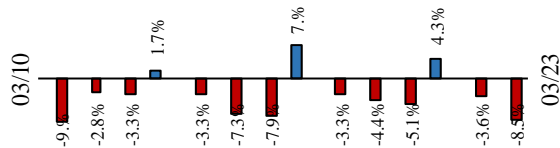
3/24/21

COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)

COVID+ CENSUS by BED TYPE | 03/23/2021

▲ ICU	36	-4	-10.0%	▼
◆ ED OVERFLOW	7	-1	-12.5%	▼
X NON-ICU	136	-12	-8.1%	▼
● SYSTEM	172	-16	-8.5%	▼
3 Day 03-20-21	187	-15	-8.0%	
7 Day 03-16-21	199	-27	-13.6%	

14 Day System COVID+ Change



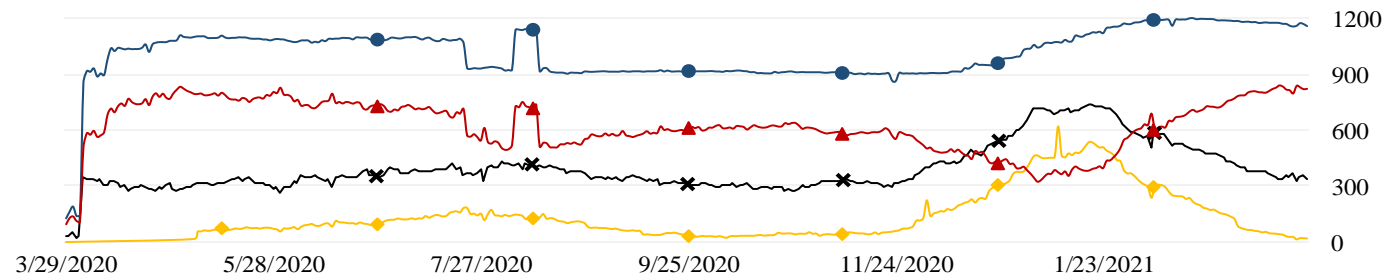
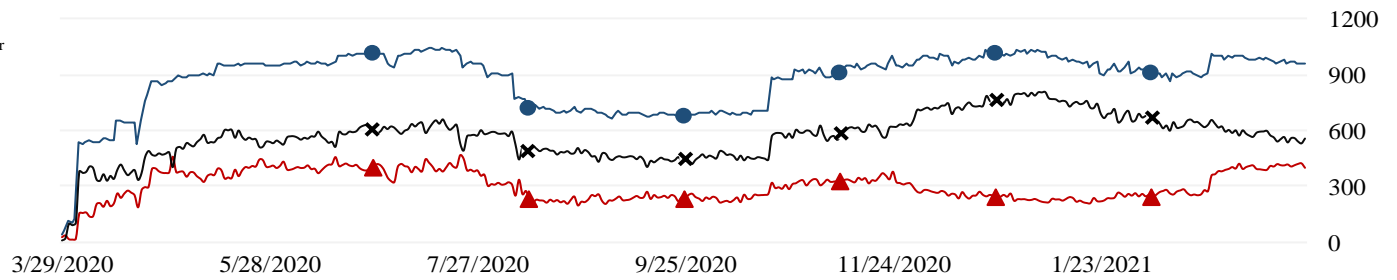
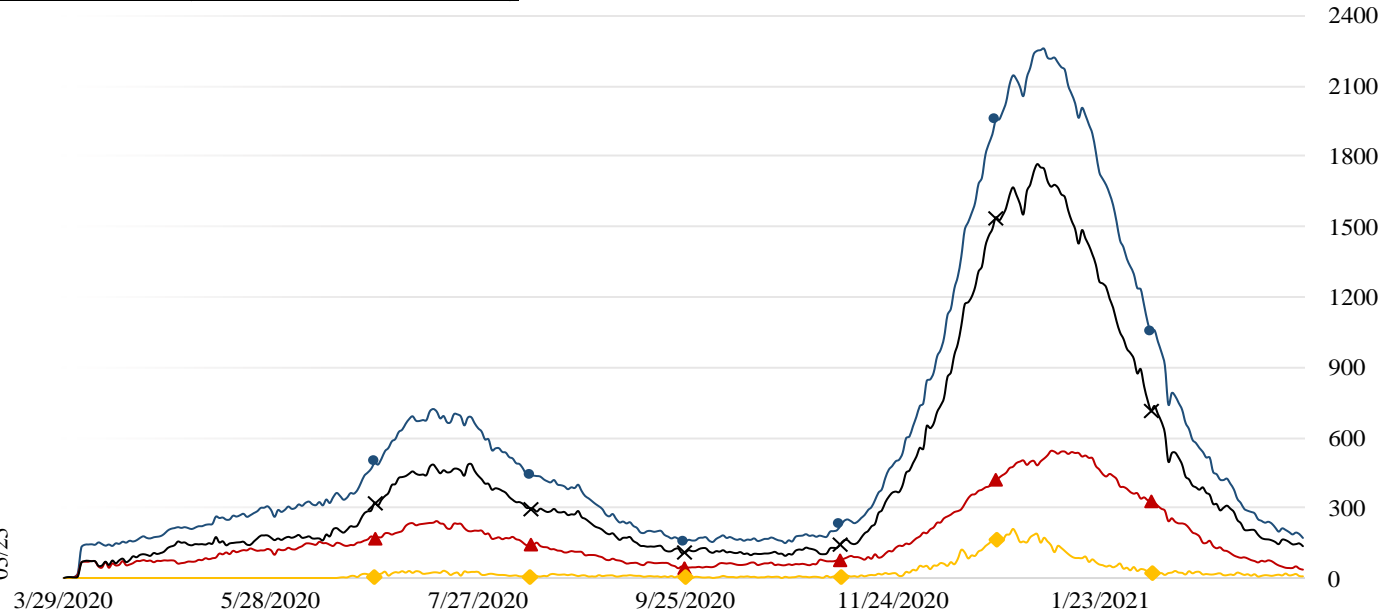
ICU SYSTEM CENSUS | (03/23/21)

*includes adult, PICU, NICU & other

● SYSTEM - 958	<div style="width: 100%; height: 10px; background-color: #0056b3;"></div>
▲ AVAILABLE - 397 (41.4%)	<div style="width: 41.4%; height: 10px; background-color: #c00000;"></div>
X OCCUPIED - 561 (58.6%)	<div style="width: 58.6%; height: 10px; background-color: #000000;"></div>

VENTILATORS | (03/23/21)

● SYSTEM - 1159	<div style="width: 100%; height: 10px; background-color: #0056b3;"></div>
▲ AVAILABLE - 819 (70.7%)	<div style="width: 70.7%; height: 10px; background-color: #c00000;"></div>
X OCCUPIED - 340 (29.3%)	<div style="width: 29.3%; height: 10px; background-color: #000000;"></div>
◆ COVID- 19 (5.6%) *0 FROM ED	<div style="width: 5.6%; height: 10px; background-color: #c00000;"></div>



3/24/21

COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)

7 DAY HISTORY BED OCCUPANCY | 03/23/2021

● **SYSTEM BEDS (INCLUDES SURGE)- 6790**

◆ **INPATIENT INCLUDING SURGE- 3503 (51.6%)**

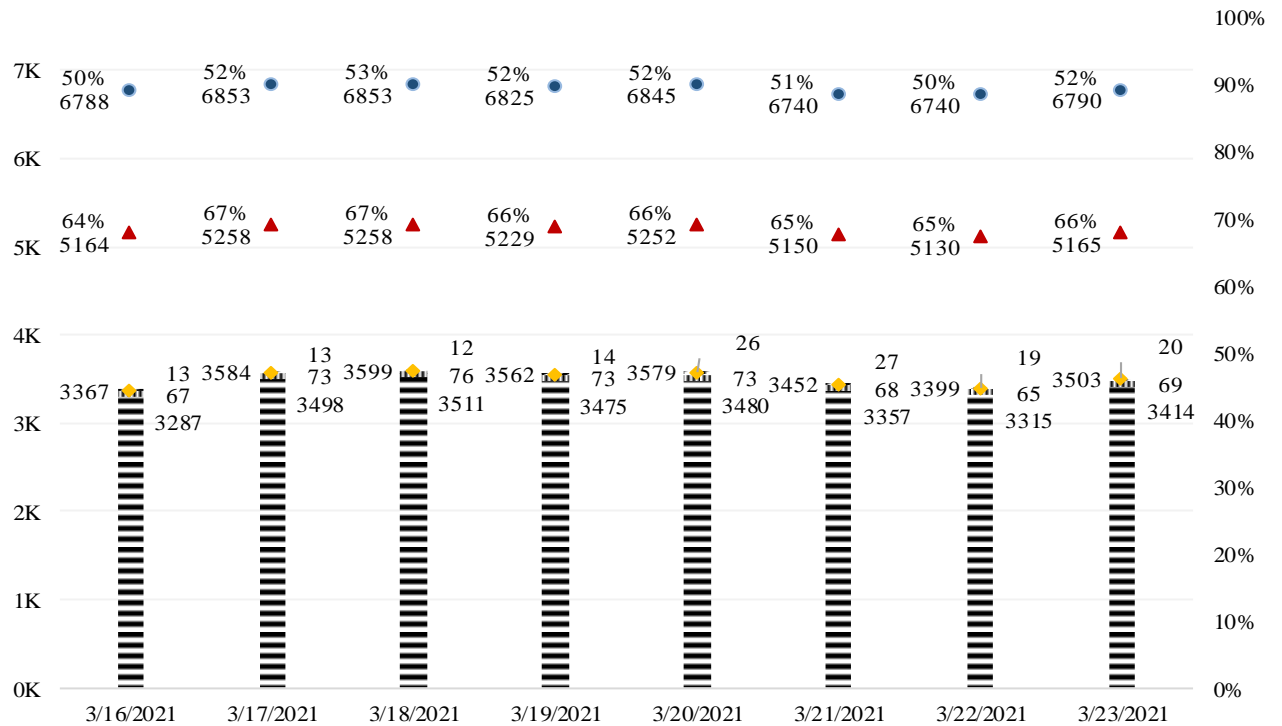


||| **SURGE NON ICU INPATIENT- 69**

▨ **SURGE ICU INPATIENT- 20**

▲ **NON SURGE INPATIENT BEDS- 5165**

≡ **NON SURGE INPATIENT- 3414 (66.1%)**



SURGE CENSUS | 03/23/2021

● **SURGE BED SYSTEM- 1048 (ICU- 140 | NON ICU- 908)**

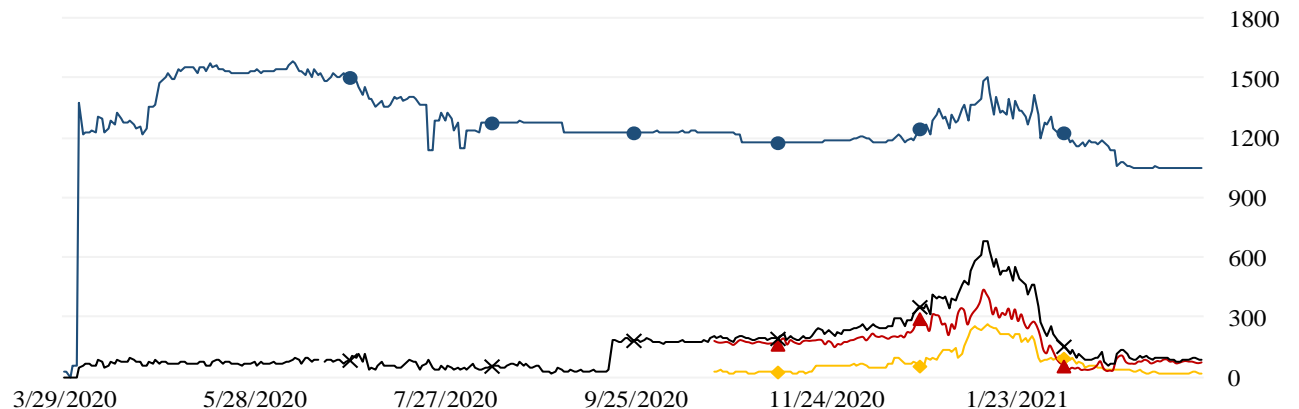
✕ **SURGE BED PATIENTS SYSTEM- 89 (8.5%)**



▲ **SURGE BED NON ICU PATIENTS- 69 (7.6%)**



◆ **SURGE BED ICU PATIENTS- 20 (14.3%)**



3/24/21

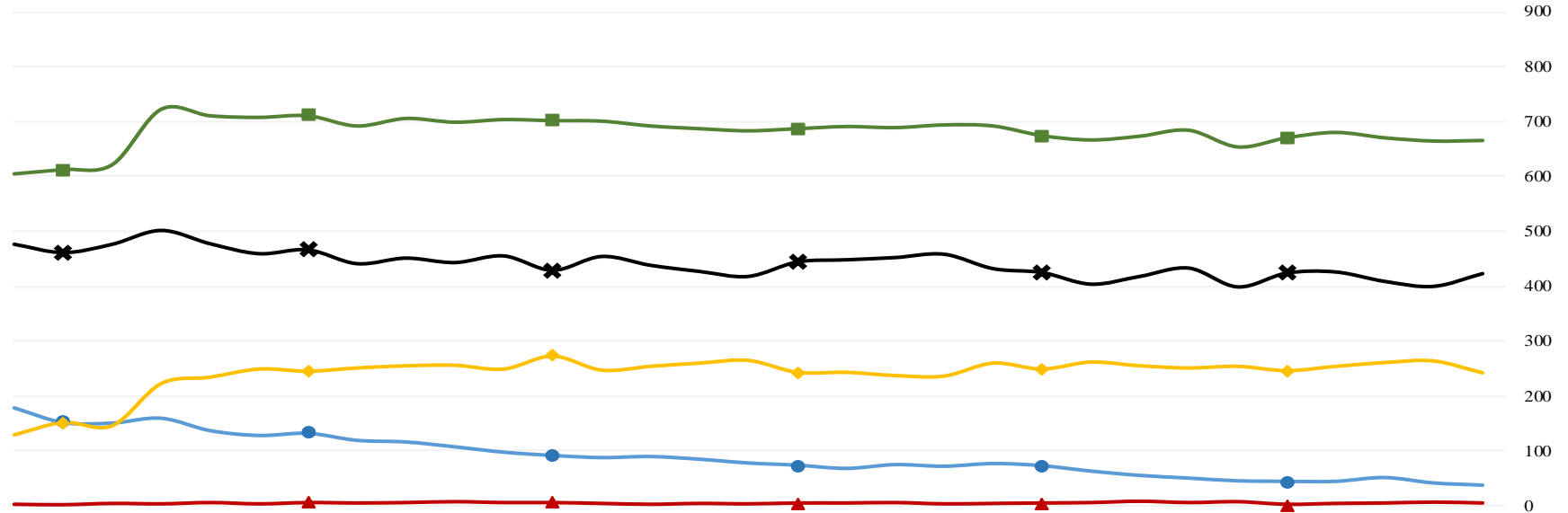
COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)

NON SURGE ICU BEDS: ADULT & PEDS COMBINED (02/22/21 - 03/23/21) | 33 ACUTE CARE FACILITIES REPORTING

ICU INSIGHTS

02-22-21 thru 03-23-21:

- Confirmed COVID+ in ICU decreased by -76.3%
- ▲ Confirmed suspect in ICU census increased by 4.
- ✕ Occupied ICU decreased by -8.2%.
- ◆ Available ICU increased by 61.3%.
- System ICU increased by 8.8%.



	2-22-21	2-23-21	2-24-21	2-25-21	2-26-21	2-27-21	2-28-21	3-1-21	3-2-21	3-3-21	3-4-21	3-5-21	3-6-21	3-7-21	3-8-21	3-9-21	3-10-21	3-11-21	3-12-21	3-13-21	3-14-21	3-15-21	3-16-21	3-17-21	3-18-21	3-19-21	3-20-21	3-21-21	3-22-21	3-23-21
● CONFIRMED	152	151	160	137	128	132	119	116	107	97	91	87	89	84	77	73	67	74	71	76	72	62	54	49	44	43	43	50	40	36
<i>Adult</i>	152	151	160	137	128	132	119	116	107	97	91	87	89	83	76	72	67	74	70	74	72	62	54	49	44	43	43	50	40	36
<i>Peds</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0
▲ SUSPECTED	0	3	2	5	2	5	4	5	7	5	5	3	1	3	2	4	4	5	2	3	4	5	8	5	7	1	3	4	6	4
<i>Adult</i>	0	2	2	5	2	5	4	5	7	5	5	3	1	3	2	4	4	5	2	3	2	5	7	5	7	1	3	4	6	4
<i>Peds</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0
✕ OCCUPIED	461	476	501	477	459	466	441	451	443	455	429	454	438	427	418	444	448	452	458	432	425	404	418	433	399	424	426	409	400	423
<i>Adult</i>	445	464	476	449	435	442	422	433	430	432	406	427	410	405	394	413	415	425	422	403	398	379	391	399	373	400	402	387	378	395
<i>Peds</i>	16	12	25	28	24	24	19	18	13	23	23	27	28	22	24	31	33	27	36	29	27	25	27	34	26	24	24	22	22	28
◆ SYSTEM AVL	150	144	222	234	249	245	251	255	256	249	273	247	254	260	265	243	243	237	236	260	249	262	255	251	254	246	254	261	264	242
<i>Adult</i>	111	101	184	199	210	200	201	204	202	205	229	207	215	215	222	207	209	197	205	222	209	220	215	218	213	203	211	216	219	203
<i>Peds</i>	39	43	38	35	39	45	50	51	54	44	44	40	39	45	43	36	34	40	31	38	40	42	40	33	41	43	43	45	45	39
■ SYSTEM TTL	611	620	723	711	708	711	692	706	699	704	702	701	692	687	683	687	691	689	694	692	674	666	673	684	653	670	680	670	664	665
<i>Adult</i>	556	565	660	648	645	642	623	637	632	637	635	634	625	620	616	620	624	622	627	625	607	599	606	617	586	603	613	603	597	598
<i>Peds</i>	55	55	63	63	63	69	69	69	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67

3/24/21

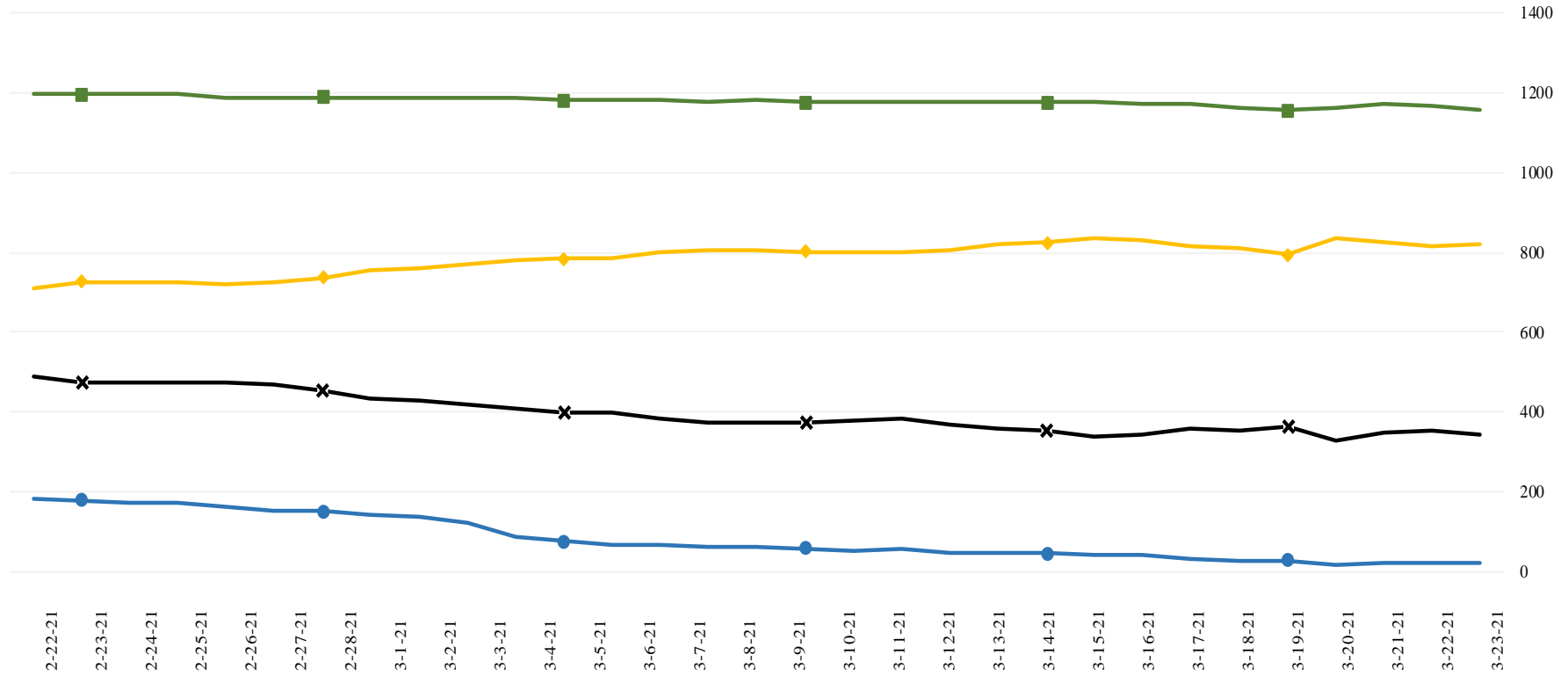
COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)

VENTILATORS (02/22/21 - 03/23/21) | 33 ACUTE CARE FACILITIES REPORTING

VENTILATOR INSIGHTS

02-22-21 thru 03-23-21:

- Confirmed COVID+ patients on ventilators decreased by -89.3%
- X Occupied ventilators decreased by -27.8%
- ◆ System available ventilators increased by 12.8%
- Total system ventilators decreased by -3.2%



● CONFIRMED*	178	170	172	162	153	149	143	134	123	84	74	68	64	63	59	57	51	54	47	45	44	41	39	30	27	27	14	21	20	19
X OCCUPIED	471	473	473	471	467	453	435	429	418	406	398	397	383	375	375	375	377	381	370	359	352	339	340	356	350	363	326	348	353	340
◆ SYSTEM AVL	726	724	723	719	723	737	754	759	768	781	784	785	800	805	806	801	800	798	807	818	825	837	831	815	811	794	835	827	817	819
■ SYSTEM TTL	1197	1197	1196	1190	1190	1190	1189	1188	1186	1187	1182	1182	1183	1180	1181	1176	1177	1179	1177	1177	1177	1176	1171	1171	1161	1157	1161	1175	1170	1159

*Confirmed includes ED values

*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

Acute Care Hospital PPE / Ventilator Supplies Days on Hand – (31/33 ACHs reported)

Reporting Date: 03/23/21*	30 days +	15-30 days	7-14 days	4-6 days	0-3 days	Not Reported
Ventilator Supplies**	8	6	14	2	1	2
N95 Masks**	23	5	2	0	0	3
Surgical Masks**	25	3	2	0	0	3
Face Shields**	18	3	5	4	0	3
Gloves**	17	4	5	3	1	3
Gowns**	16	7	6	0	1	3

Hospital Criteria for shifting to Crisis Care Strategies

LEGEND

STATUS

CRITERIA	STATUS		
	Normal Operations	Modified Operations	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 hospitals across Orange County	Less than 750	750-1500	>1500
Hospital census as a percentage of staffed capacity	<80%	80% to 90%	>90%
Hospital ICU census as a percentage of staffed ICU capacity	<70%	70% to 85%	>85%

Hospital Criteria for shifting to Crisis Care Strategies

03/23/21

STATUS

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)	Declining		
Absolute COVID-19 Census in the hospitals across Orange County	172		
Hospital census as a percentage of staffed capacity	66%		
Hospital ICU census as a percentage of staffed ICU capacity	64%		

AGENCY OPERATIONS CENTER / LOGISTICS SECTION

- The AOC is activated on **Wednesdays from 0900-1600 at Level II**; Warehouse Ops are M-F - 0900-1600.
- SCARCE Resources: Gloves, Syringes, Needles

Total Activity – Updated 3/17/21 at 1530

INQUIRIES	RR RECEIVED	RR FILLED
18,643 +130	11,135 +72	9,068 +66
Total Denied Requests: 888 / Total Redacted Requests: 948		

Inventory Report 02/18/20 to 03/22/21

Logistics Daily Units Distributed 3/17/21

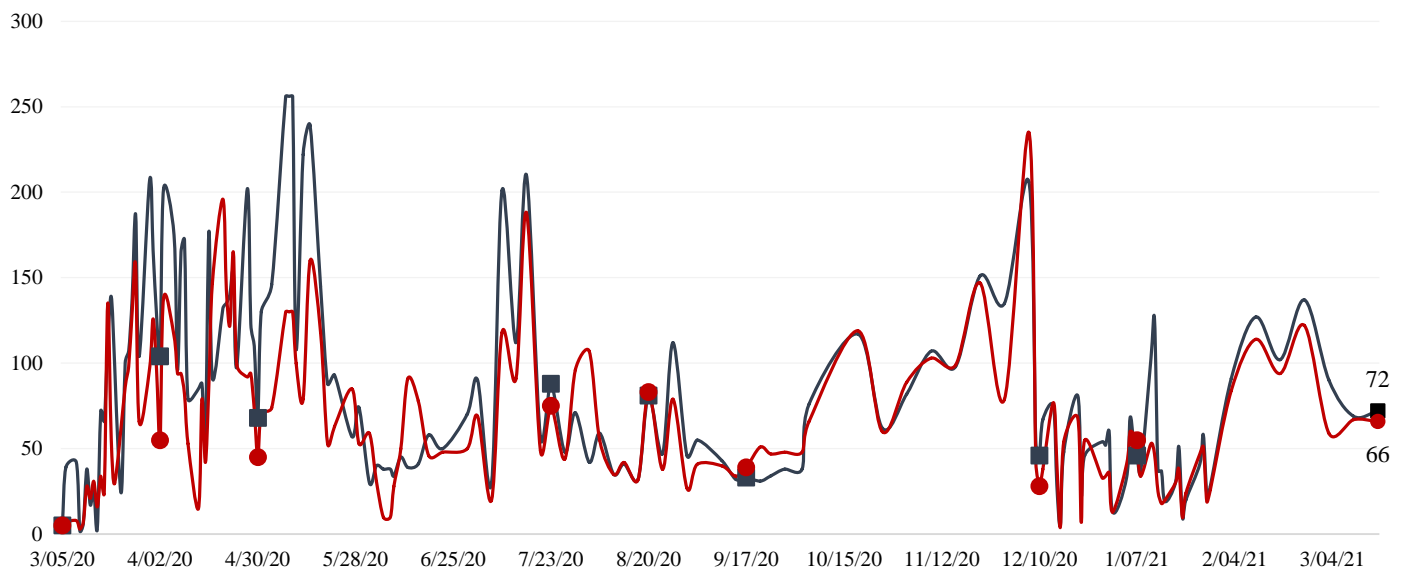
N95 Mask	11,100
Surgical Mask	5,000
Gown	500
Gloves	139,500
Face Shields/Eye Protection	1200
Hand Sanitizer	180
Other	64,833
Total Units	222,313

Medical Supply/Equipment Total Units Distributed

N95 Mask	5,241,695
Surgical Mask	2,136,705
Gowns	2,970,966
PPE-Suit	17,965
Gloves	7,675,370
Eye Protection	424,308
Hand Sanitizer	318,151
Other Items	3,059,901
Total Units	21,845,061

Resource Requests - Updated 3/17/21 at 1530

Received ■ Filled ●

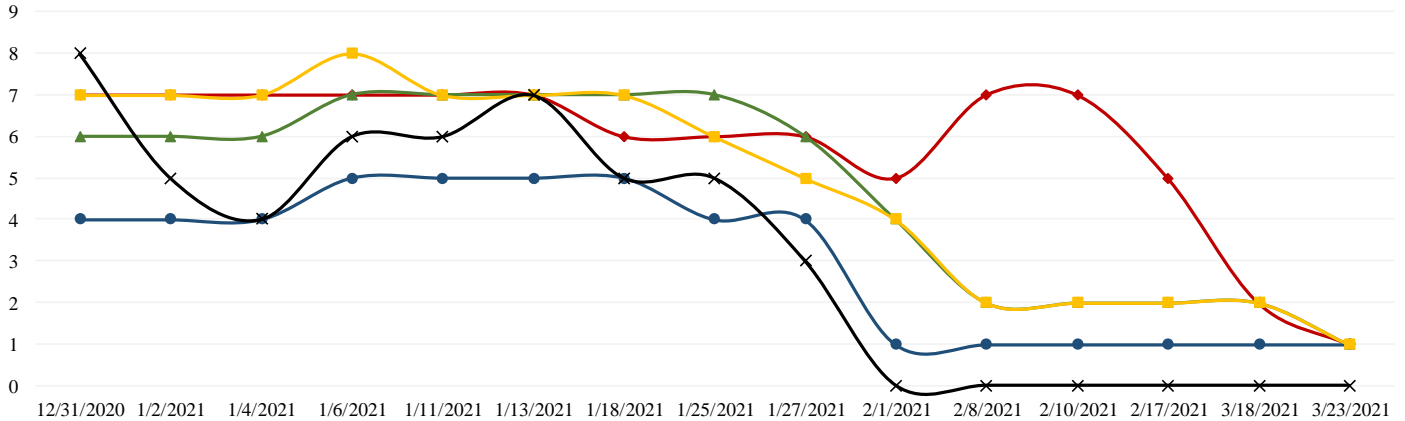


MHOAC IMPRESSION REPORT TO CDPH

- The MHOAC provides a weekly “temperature check” report to CDPH which is an impression of the current status of the local medical/health system in several key areas.
- The results of these reports have been tracked and trended over time and are included below.

Region 1 - Orange

OA Report: 12/31/20 through 03/23/21



		12/31/20	1/2/21	1/4/21	1/6/21	1/11/21	1/13/21	1/18/21	1/25/21	1/27/21	2/1/21	2/8/21	2/10/21	2/17/21	3/18/21	3/23/21
◇	Health Care Facility Staffing (Hospital,SNF,Surge)	7	7	7	7	7	7	6	6	6	5	7	7	5	2	1
▲	Hospital Capacity (ICU Medsurg, ER)	6	6	6	7	7	7	7	7	6	4	2	2	2	2	1
●	Patient Movement (911,IFT)	4	4	4	5	5	5	5	4	4	1	1	1	1	1	1
■	MHOAC Impression	7	7	7	8	7	7	7	6	5	4	2	2	2	2	1
X	Number of Hospitals of Concern	8	5	4	6	6	7	5	5	3	0	0	0	0	0	0

ALTERNATE CARE SITE (ACS)

- Fairview Alternate Care Site (FACS) opened for admissions on **TUESDAY, 12/15/20 @ 1800**
- **FACS was placed into a “warm close” status on MONDAY, 03/15/2021.** A “warm close” will allow the State of California to maintain the ACS in a semi-ready state and will enable the site to reopen within 72 hours if needed.

Fairview (COVID-19 +)		
Patient Census (as of 3/13/2021 09:00)	CURRENT	TOTAL
Orange County	0	140
LA County	0	71
Riverside	0	6
San Bernardino County	0	4
Ventura County	0	1
Total patients CENSUS / TOTAL ACCEPTED	0	222
Patients Discharged		TOTAL
DISCHARGED		222
Memory Care Unit (MCU) Census (as of 3/2/2021 17:00)		
MCU Patient Census	5	50
Patients Discharged from MCU		TOTAL
MCU - DISCHARGED		45

MOBILE FIELD HOSPITALS (MFHs)

- 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 patient bed).
- OCEMS has a total of 8 trailers to support at minimum, 200 patient beds.
- CDPH is primed and ready to provide hospitals a waiver to allow emergency use of these MFHs.
 - Hospitals who have self-identified in receiving a MFH include:

- **UCI (50 patient bed) – currently used for patient care activities**
- **Fountain Valley (25 patient bed) – converting to community vaccination clinic facility**
- **Los Alamitos (25 patient bed) – demobilized**
- **Saint Jude (50 patient bed) – demobilizing the week of March 22.**

