

OVERVIEW OF CURRENT SITUATION (2/24/21 1024) Source: Johns Hopkins University & Medicine <https://coronavirus.jhu.edu/map.html>

Cases / Deaths
 Worldwide: 112,314,455 / 2,490,087
 Nationwide: 28,276,238 / 503,529
 California: 3,543,340 / 49,037
 Orange Co: 245,135 / 3,848 Source: [Orange County COVID-19 Case Counts & Testing Figures](#) *Reporting 2/23/21

ORANGE COUNTY PUBLIC HEALTH (as of 2/23/21 1023)

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

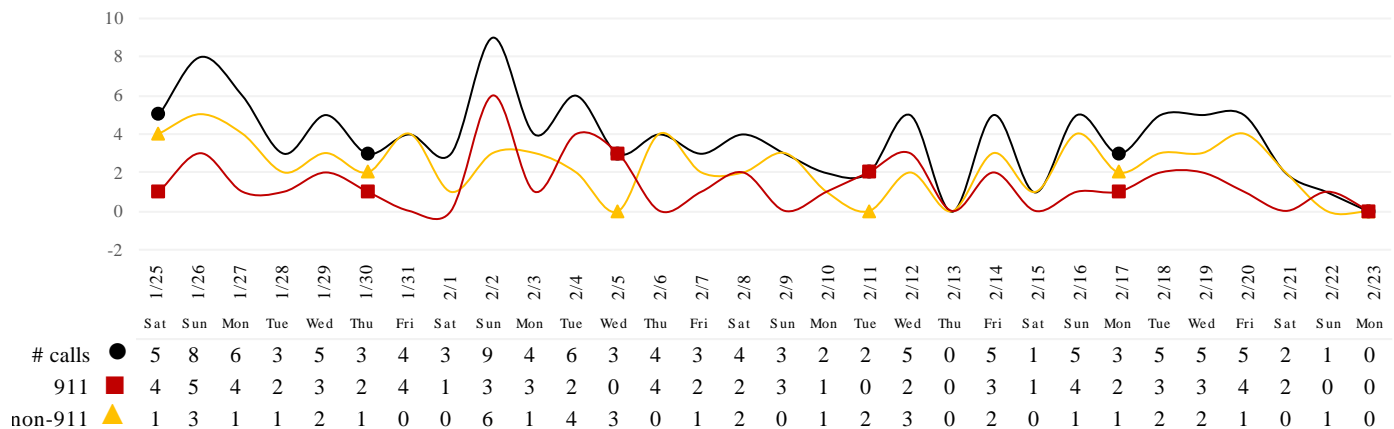
	Wed 2/17/21	Thu 2/18/21	Fri 2/19/21	Sat 2/20/21	Sun 2/21/21	Mon 2/22/21	Tue 2/23/21
Cases Reported to Date	243,329	243,665	243,989	244,380	244,632	244,885	245,135
Deaths Reported to Date	3,644	3,685	3,726	3,770	3,810	3,848	3,848
Tests Reported Today	8,591	13,950	19,987	17,530	12,110	5,125	12,783
Cumulative Tests to Date	2,899,182	2,913,132	2,933,119	2,950,649	2,962,759	2,967,884	2,980,667

*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 2/23/21

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



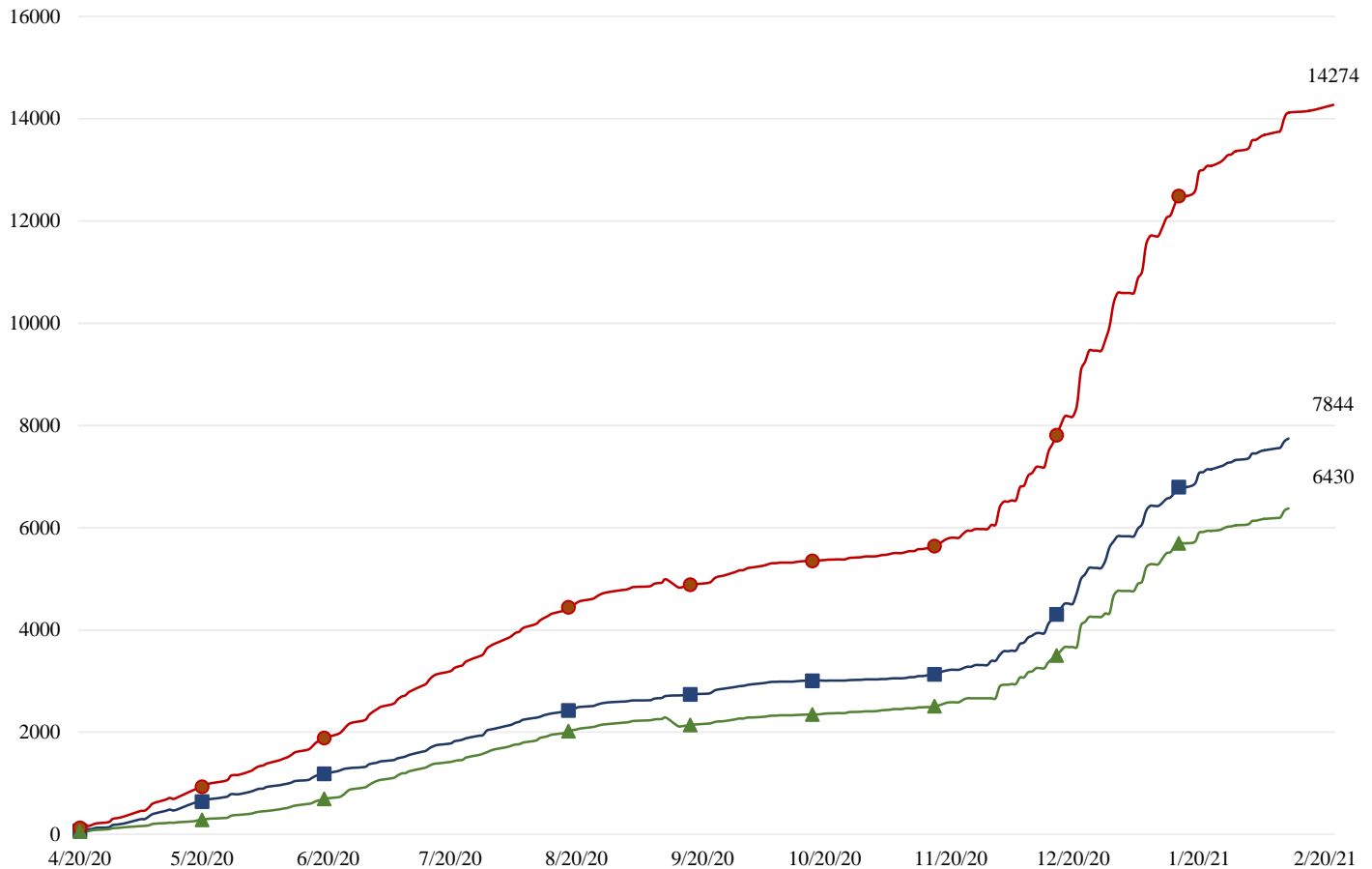
*Data Source: California Department of Public Health (CDPH)

Skilled Nursing/Assisted Living/Residential Care Facility PPE / Ventilator Supplies Days on Hand
 (70/73 SNFs reported)

Reporting Date: 2/23/2021	0 - 3 days	4 - 7 days	8-14 days	15+ days
N95 Masks	0	2	13	55
Surgical Masks	0	2	11	57
Eye Protection	0	2	11	57
Gowns	0	3	10	57
Gloves	0	3	9	58
Alcohol-Based Hand Sanitizer	0	3	11	56

*Data Source: Orange County Health Care Agency – Public Health – 2/23/21

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 2/23/21 1000)

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

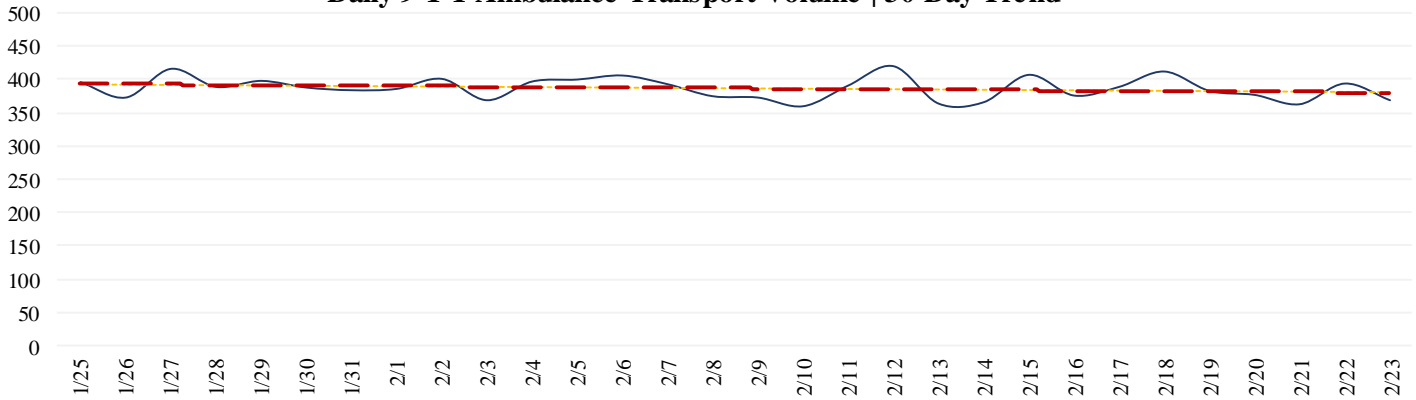
Facility Type by Licensing Category, Count		Facility Name Alphabetical
Skilled Nursing Facility	8	Buena Vista Care Center, Flagship Healthcare Center, Garden Park Care Center, Mainplace Post Acute, Orange Healthcare & Wellness Centre, Llc, Orangegrove Rehabilitation Hospital, Palm Terrace Healthcare & Rehabilitation Center, Park Vista At Morningside (Snf)
Elderly Assisted Living	9	Alliance Senior Living 3, Brookdale Brookhurst, Carmel Village Retirement Community, Irvine Cottage #10, Irvine Cottage #5, Janna Marie Guest Home, Nora's Place 1, Silverado Senior Living - Newport Mesa, Westminster Villa

EMERGENCY MEDICAL SERVICES STATUS

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

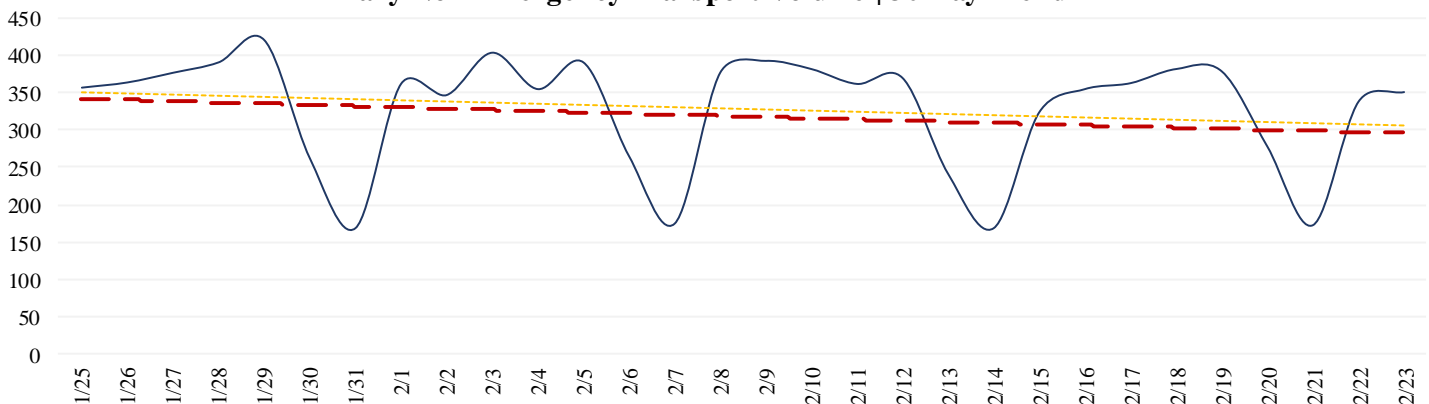
9-1-1 ambulance transport volume is **trending slightly lower**. Volume is averaging about **10-15% below normal** (pre-COVID) levels (Updated 02/24/21).

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

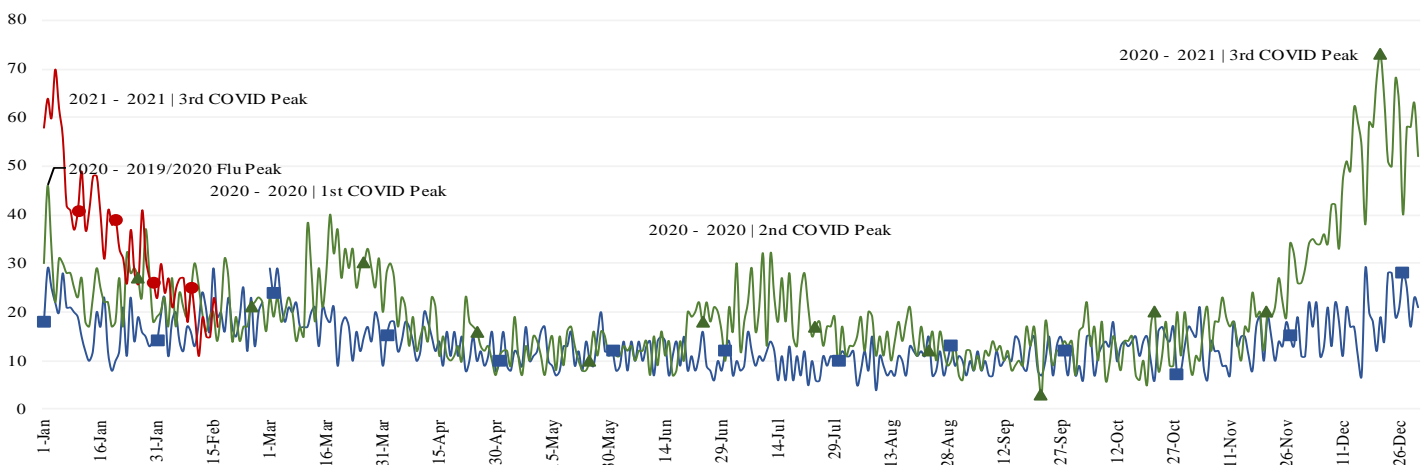


Non-emergency ambulance transports **have remained steady** over the last couple weeks. Transport volume is **averaging about 30-35%** below normal (pre-COVID) levels overall (Updated 02/24/21).

Daily Non-Emergency Transport Volume | 30 Day Trend



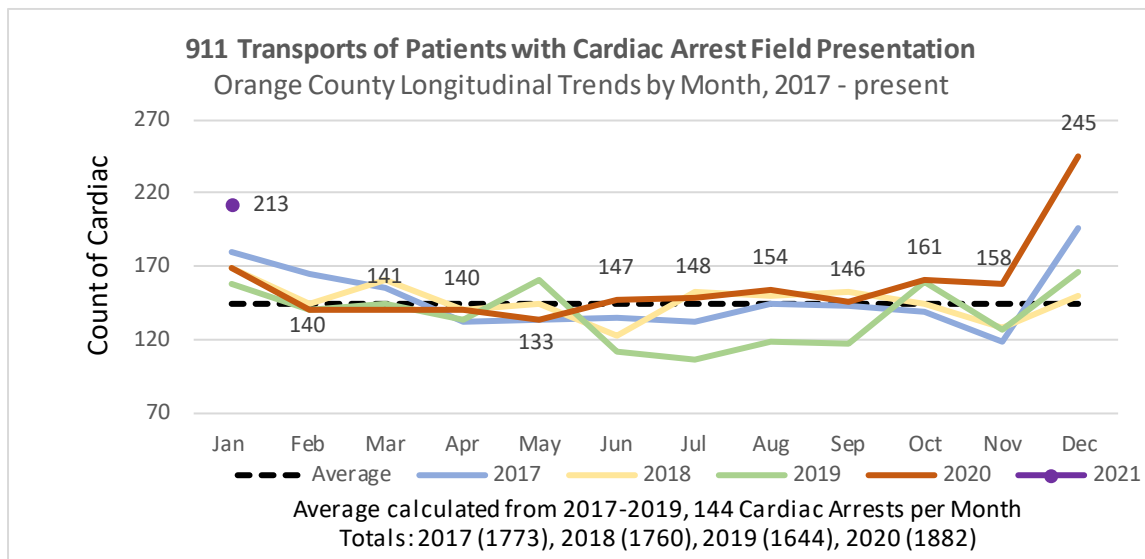
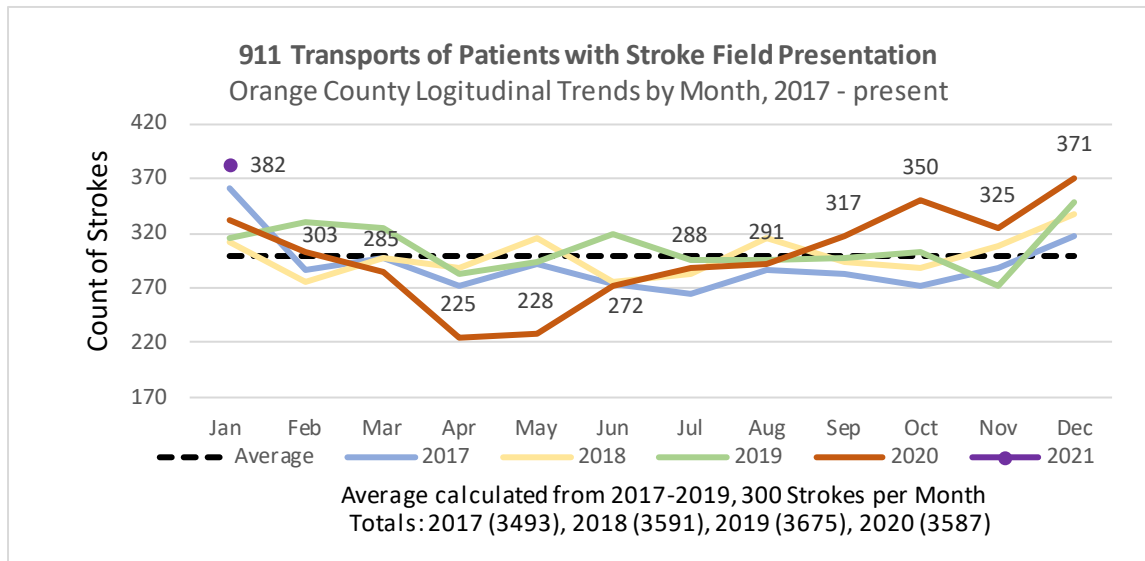
Primary Impressions of Cold/Flu/ILI by 9-1-1 EMS providers **continue to decline and are now below baseline levels** for this time of year. (Updated 02/24/21).

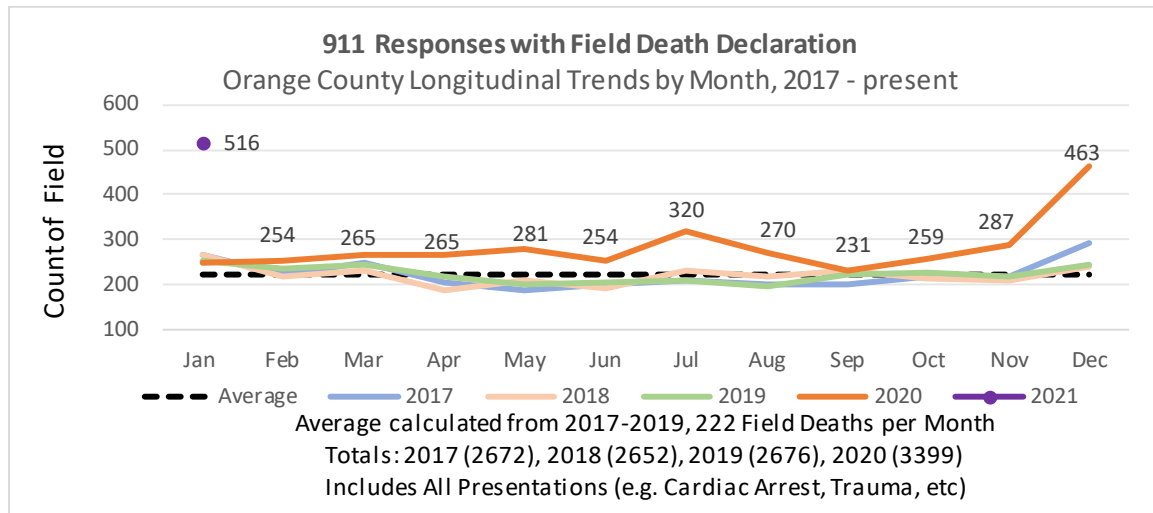


EMS Provider Impressions - Cold/Flu/ILI/COVID-19 Year Over Year Comparison (2019 ■, 2020 ▲, & 2021 ●)

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”

Month	2017	2018	2019	2020	2021
Jan	268	267	254	250	516
Feb	224	216	235	254	
Mar	248	233	245	265	
Apr	206	186	220	265	
May	186	210	202	281	
Jun	201	190	205	254	
Jul	211	233	208	320	
Aug	201	218	195	270	
Sep	199	233	222	231	
Oct	217	213	227	259	
Nov	217	211	217	287	
Dec	294	242	246	463	
Total	2378	2410	2430	3399	

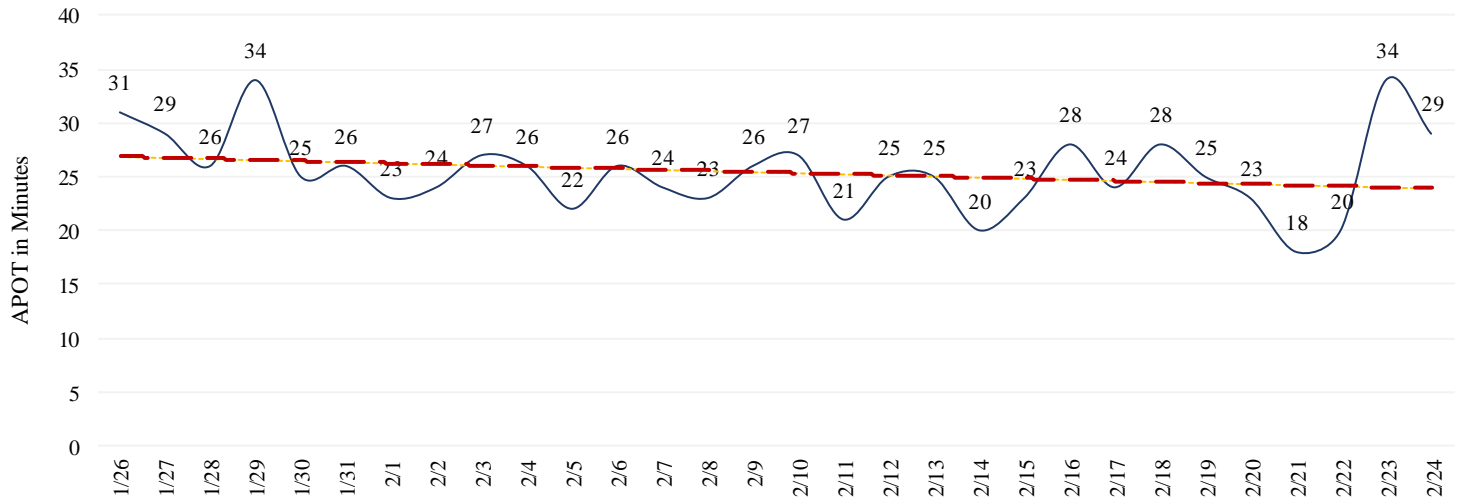
- Ambulance Patient Offload Time (APOT) is defined as the time the ambulance arrives at the receiving destination (wheels stop) to the time that the ambulance crew physically transfers the patient to the ED gurney. Last 24 hours: **Current Average APOT is: 14m05s / Current 90th Percentile APOT is: 28m52s**

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

- Eight (8) ERCs had APOT times greater than thirty (30) minutes.
- Two (2) ERCs had APOT times greater than sixty (60) minutes.

*Data Source: Orange County Medical Emergency Data System (OC-MEDS) – Updated 2/24/21

COVID 19 - APOT 90th percentile | Daily Trend

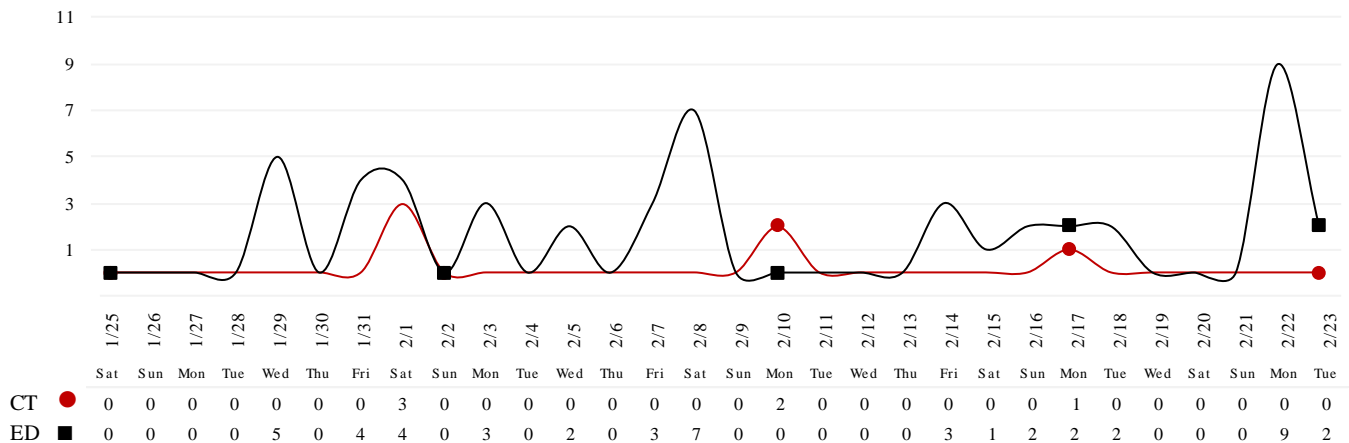


Note: a handful of ERCs were close to the 30 minute threshold, but were not over it.

- 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 2/23/21

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



2/24/21

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	
2/10	3699	69%	965	298	61%	490	120	20%	469	86	15%	21	34	62%	51%
2/11	3759	70%	908	290	58%	501	130	21%	484	92	16%	17	38	69%	54%
2/12	3336	67%	742	245	52%	467	115	20%	451	76	14%	16	39	71%	56%
2/13	3689	69%	790	257	51%	507	112	18%	491	73	13%	16	39	71%	56%
2/14	3568	67%	777	242	52%	469	127	21%	452	89	16%	17	38	69%	56%
2/15	3511	67%	748	235	49%	477	136	22%	463	95	17%	14	41	75%	56%
2/16	3492	66%	719	235	48%	487	141	22%	475	98	17%	12	43	78%	57%
2/17	3575	67%	663	230	45%	507	128	20%	484	96	17%	23	32	58%	58%
2/18	3620	68%	636	215	42%	512	117	19%	486	88	15%	26	29	53%	59%
2/19	3586	68%	591	196	39%	497	121	20%	470	93	17%	27	28	51%	58%
2/20	3666	69%	577	190	39%	491	122	20%	464	94	17%	27	28	51%	59%
2/21	3560	67%	556	179	38%	476	127	21%	455	93	17%	21	34	62%	59%
2/22	3403	64%	539	152	33%	461	150	25%	445	111	20%	16	39	71%	61%
2/23	3591	68%	515	151	32%	476	144	23%	464	101	18%	12	43	78%	60%

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.

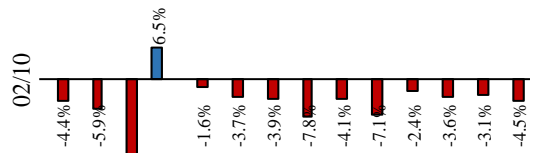
2/24/21

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

COVID+ CENSUS by BED TYPE | 02/23/2021

▲ ICU	151	-1	-0.7%	▼
◆ ED OVERFLOW	17	+2	13.3%	▲
X NON-ICU	364	-23	-5.9%	▼
● SYSTEM	515	-24	-4.5%	▼
3 Day 02-20-21	577	-62	-10.7%	
7 Day 02-16-21	719	-204	-28.4%	

14 Day System COVID+ Change



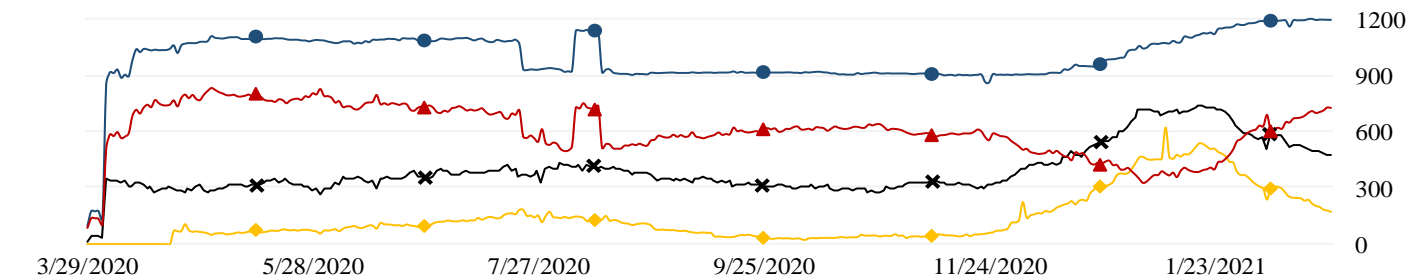
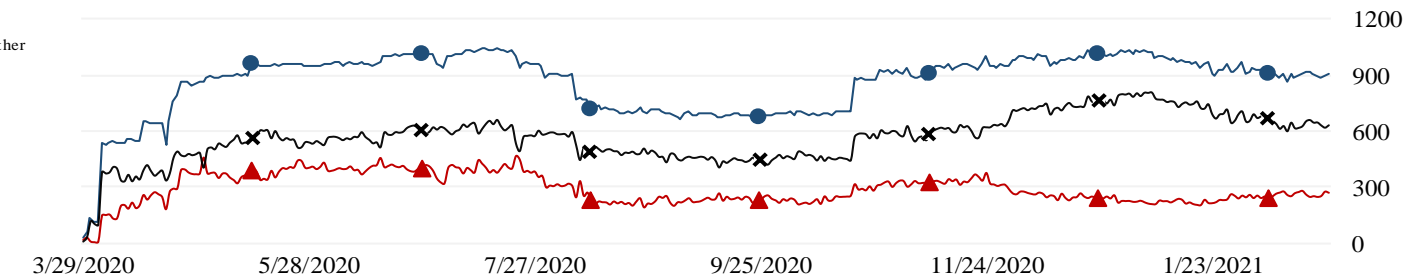
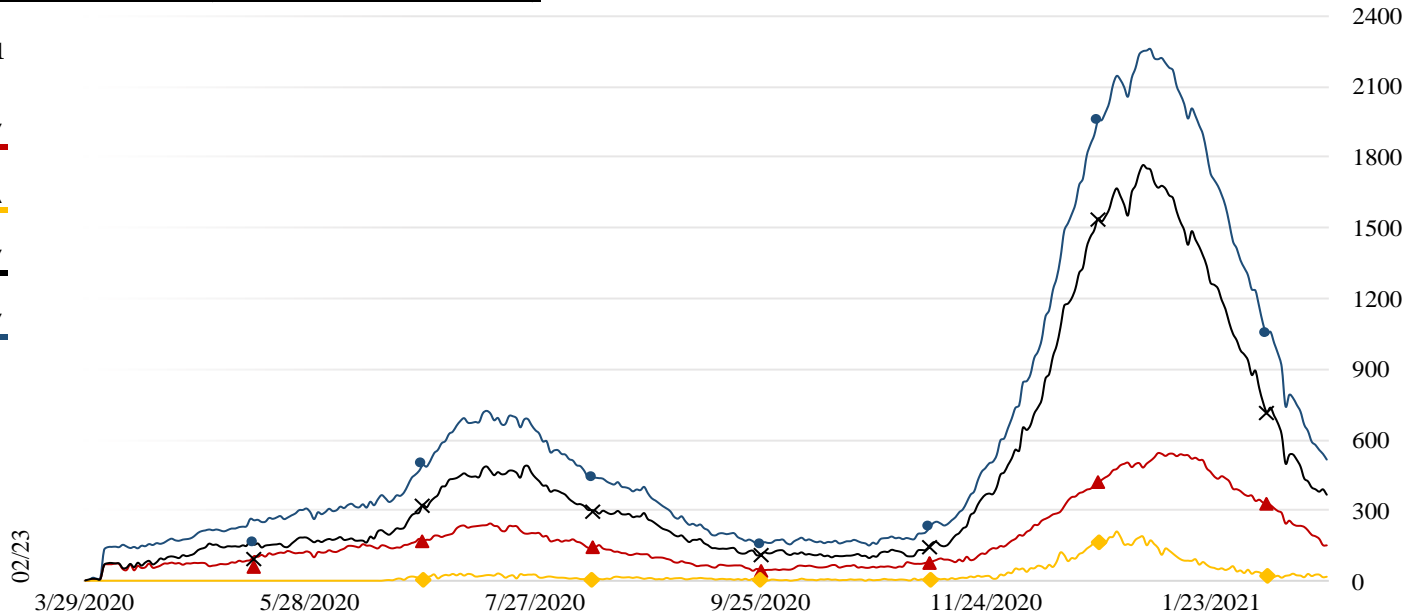
ICU SYSTEM CENSUS | (02/23/21)

*includes adult, PICU, NICU & other

● SYSTEM- 906
▲ AVAILABLE- 271 (29.9%)
X OCCUPIED- 635 (70.1%)

VENTILATORS | (02/23/21)

● SYSTEM- 1197
▲ AVAILABLE- 724 (60.5%)
X OCCUPIED- 473 (39.5%)
◆ COVID- 170 (35.9%) *0 FROM ED



2/24/21

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

7 DAY HISTORY BED OCCUPANCY | 02/23/2021

● SYSTEM BEDS (INCLUDES SURGE)- 6965

◆ INPATIENT INCLUDING SURGE- 3655 (52.5%)

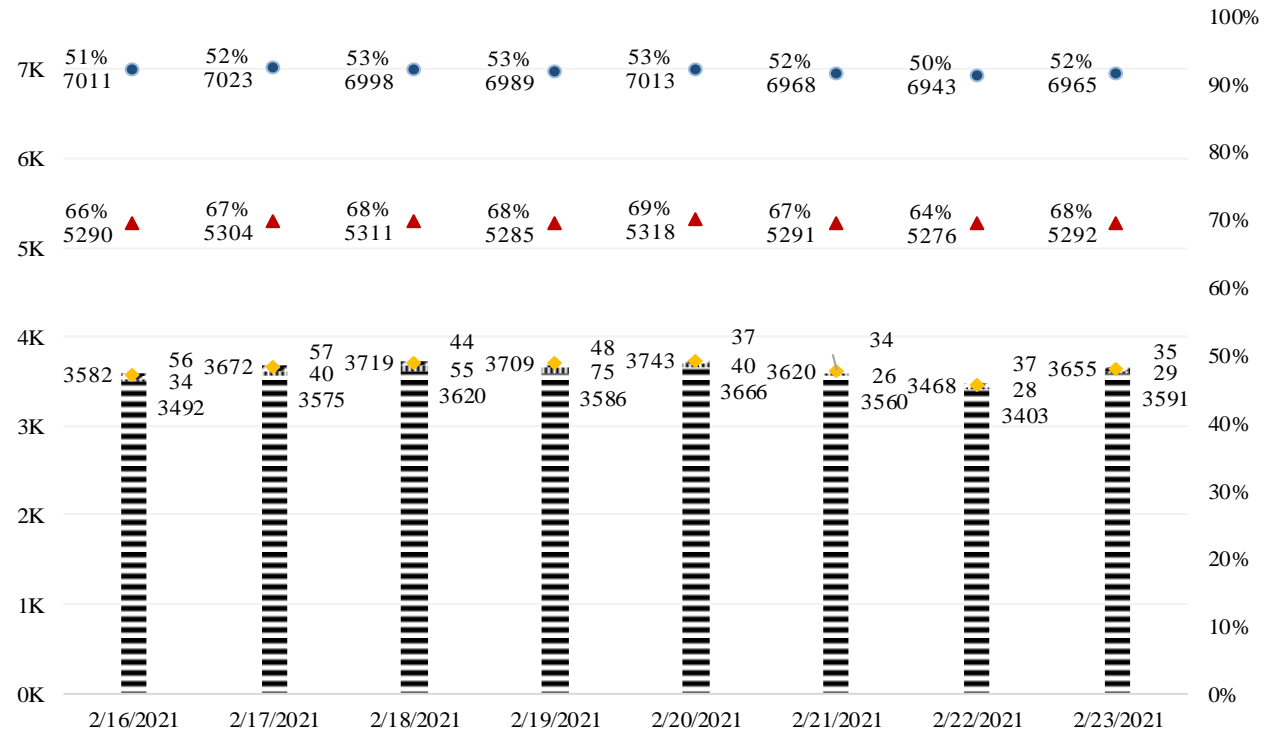


||| SURGE NON ICU INPATIENT- 29

/// SURGE ICU INPATIENT- 35

▲ NON SURGE INPATIENT BEDS- 5292

≡ NON SURGE INPATIENT- 3591 (67.9%)



SURGE CENSUS | 02/23/2021

● SURGE BED SYSTEM- 1137 (ICU- 145 | NON ICU- 992)

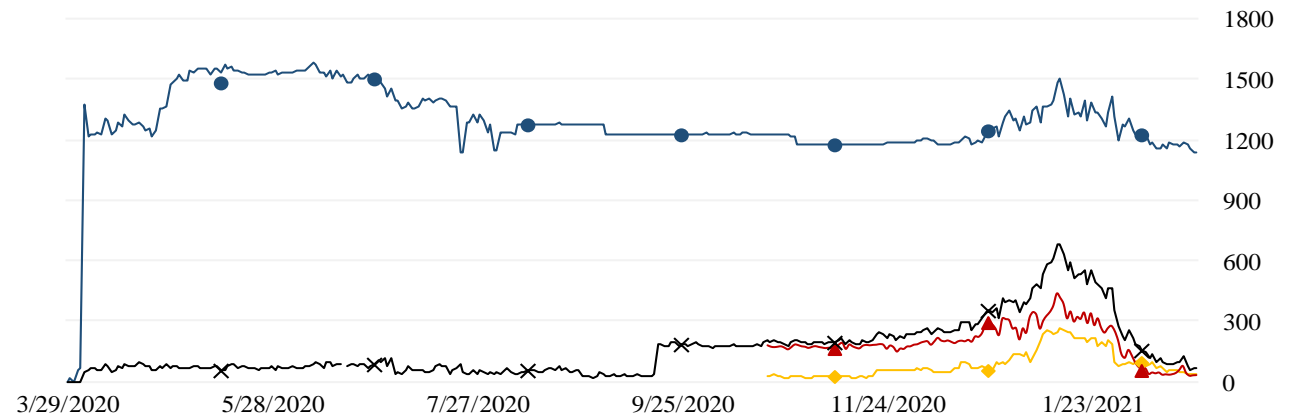
X SURGE BED PATIENTS SYSTEM- 64 (5.6%)



▲ SURGE BED NON ICU PATIENTS- 29 (2.9%)



◆ SURGE BED ICU PATIENTS- 35 (24.1%)



2/24/21

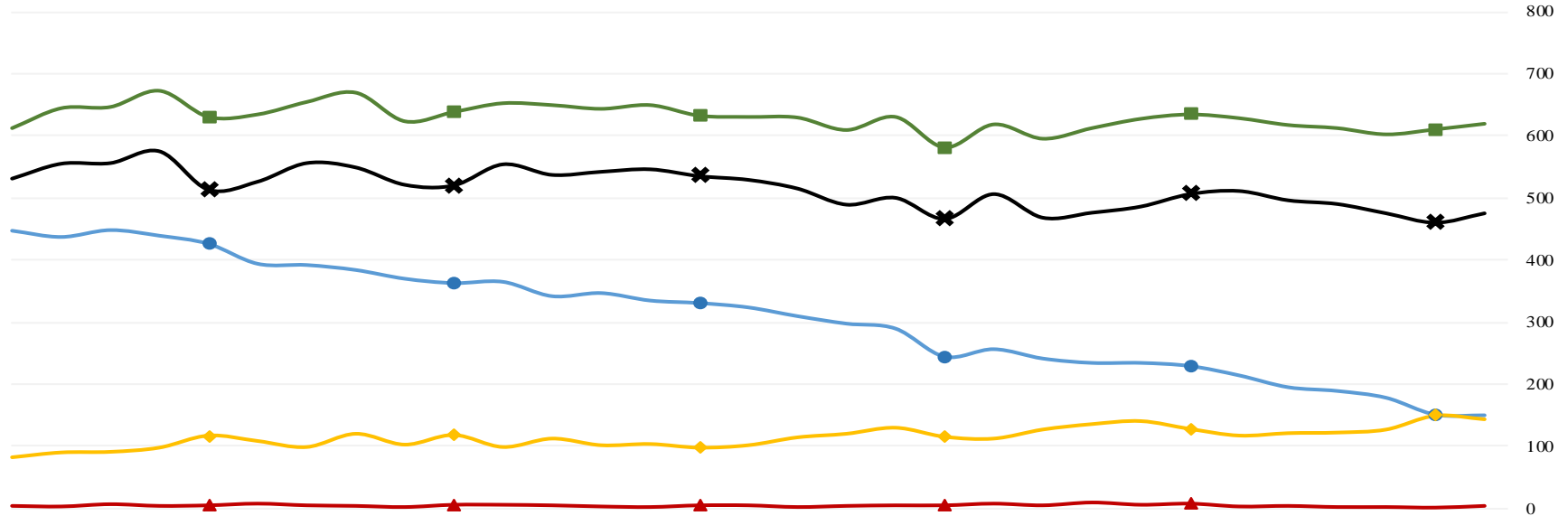
COVID 19 ORANGE COUNTY HOSPITAL SYSTEM DATA (CA SNOWFLAKE SERVER)

NON SURGE ICU BEDS: ADULT & PEDS COMBINED (01/25/21 - 02/23/21) | 33 ACUTE CARE FACILITIES REPORTING

ICU INSIGHTS

01-25-21 thru 02-23-21:

- Confirmed COVID+ in ICU decreased by -
- ▲ Confirmed suspect in ICU increased by 50.0%.
- X Occupied ICU decreased by -14.4%.
- ◆ Available ICU increased by 61.8%.
- System ICU decreased by -3.9%.



	1-25-21	1-26-21	1-27-21	1-28-21	1-29-21	1-30-21	1-31-21	2-1-21	2-2-21	2-3-21	2-4-21	2-5-21	2-6-21	2-7-21	2-8-21	2-9-21	2-10-21	2-11-21	2-12-21	2-13-21	2-14-21	2-15-21	2-16-21	2-17-21	2-18-21	2-19-21	2-20-21	2-21-21	2-22-21	2-23-21
● CONFIRMED	437	448	439	426	394	392	384	370	363	365	342	347	335	331	324	310	298	290	245	257	242	235	235	230	215	196	190	179	152	151
Adult	435	446	437	425	392	390	382	368	361	363	340	345	333	329	323	310	297	289	245	257	240	233	234	229	215	194	189	177	152	151
Peds	2	2	2	1	2	2	2	2	2	2	2	2	2	2	1	0	1	1	0	0	2	2	1	1	0	2	1	2	0	0
▲ SUSPECTED	2	6	3	4	7	4	3	1	5	5	4	2	1	4	4	1	3	4	4	7	4	9	5	7	2	3	1	1	0	3
Adult	2	6	3	4	7	4	3	1	5	4	3	1	1	4	4	1	2	3	3	5	4	9	5	7	2	3	1	0	0	2
Peds	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	1	0	1
X OCCUPIED	556	557	576	514	527	557	550	522	521	555	538	543	547	536	530	516	490	501	467	507	469	477	487	507	512	497	491	476	461	476
Adult	532	535	548	495	501	528	529	501	500	528	517	520	522	511	507	494	469	484	451	491	452	463	475	484	486	470	464	455	445	464
Peds	24	22	28	19	26	29	21	21	21	27	21	23	25	25	23	22	21	17	16	16	17	14	12	23	26	27	27	21	16	12
◆ SYSTEM AVL	89	90	97	117	108	98	120	102	118	98	112	101	103	97	101	114	120	130	115	112	127	136	141	128	117	121	122	127	150	144
Adult	58	57	70	81	79	72	77	68	84	70	78	69	73	67	69	81	86	92	76	73	89	95	98	96	88	93	94	93	111	101
Peds	31	33	27	36	29	26	43	34	34	28	34	32	30	30	32	33	34	38	39	39	38	41	43	32	29	28	28	34	39	43
■ SYSTEM TTL	645	647	673	631	635	655	670	624	639	653	650	644	650	633	631	630	610	631	582	619	596	613	628	635	629	618	613	603	611	620
Adult	590	592	618	576	580	600	606	569	584	598	595	589	595	578	576	575	555	576	527	564	541	558	573	580	574	563	558	548	556	565
Peds	55	55	55	55	55	55	64	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55

2/24/21

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

VENTILATORS (01/25/21 - 02/23/21) | 33 ACUTE CARE FACILITIES REPORTING

VENTILATOR INSIGHTS

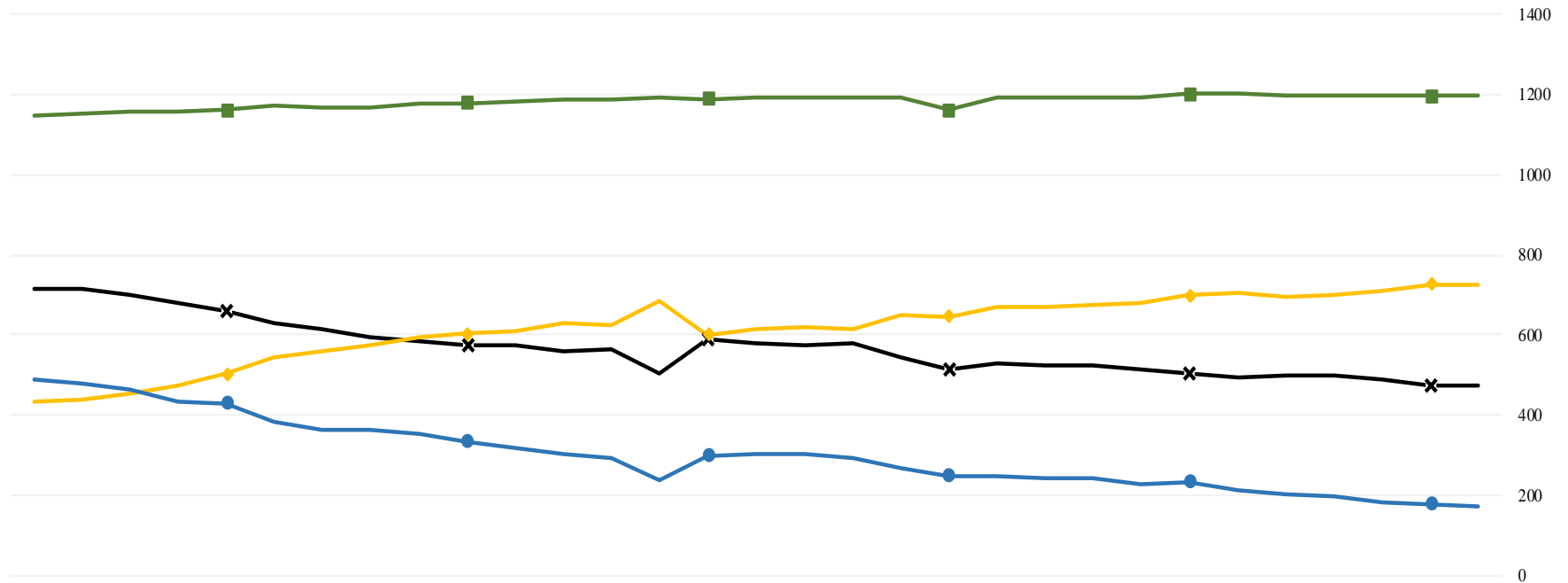
01-25-21 thru 02-23-21:

● Confirmed COVID+ patients on ventilators decreased by -64.4%.

X Occupied ventilators decreased by -33.8%.

◆ System available ventilators increased by 65.7%.

■ Total system ventilators increased by 4.0%.



	1-25-21	1-26-21	1-27-21	1-28-21	1-29-21	1-30-21	1-31-21	2-1-21	2-2-21	2-3-21	2-4-21	2-5-21	2-6-21	2-7-21	2-8-21	2-9-21	2-10-21	2-11-21	2-12-21	2-13-21	2-14-21	2-15-21	2-16-21	2-17-21	2-18-21	2-19-21	2-20-21	2-21-21	2-22-21	2-23-21
● CONFIRMED ³	477	463	435	430	382	365	365	352	333	316	304	292	235	298	304	302	292	268	249	245	243	242	229	234	214	202	196	182	178	170
X OCCUPIED	714	702	682	658	627	613	594	585	576	573	560	564	504	588	580	574	581	545	515	527	524	522	513	503	495	499	496	488	471	473
◆ SYSTEM AVL	437	454	474	503	546	557	576	593	603	609	630	626	687	601	613	618	613	648	646	667	670	673	682	698	707	697	702	710	726	724
■ SYSTEM TTL	1151	1156	1156	1161	1173	1170	1170	1178	1179	1182	1190	1190	1191	1189	1193	1192	1194	1193	1161	1194	1194	1195	1195	1201	1202	1196	1198	1198	1197	1197

*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 – (30/33 ACHs reported)

Reporting Date: 2/23/21 *	30 days +	15-30 days	7-14 days	4-6 days	0-3 days	Not Reported
Ventilator Supplies**	8	6	14	2	0	3
N95 Masks**	20	9	0	0	0	4
Surgical Masks**	22	5	2	0	0	4
Face Shields**	18	4	3	3	1	4
Gloves**	15	4	9	0	1	4
Gowns**	15	6	4	3	1	4

Hospital Criteria for shifting to Crisis Care Strategies

LEGEND

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

2/23/21

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	515		
Hospital census as a percentage of staffed capacity	68%		
Hospital ICU census as a percentage of staffed ICU capacity		77%	

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 2/17/21 at 1530

INQUIRIES	RR RECEIVED	RR FILLED
18,177 +120	10,737 +102	8,726 +94
Total Denied Requests: 872 / Total Redacted Requests: 937		

Inventory Report 02/18/20 to 02/19/21

Logistics Daily Units Distributed 2/17/21

N95 Mask	64,400
Surgical Mask	55,000
Gown	6,200
Gloves	90,100
Face Shields/Eye Protection	1,450
Hand Sanitizer	448
Other	75,103
Total Units	292,701

Medical Supply/Equipment Total Units Distributed

N95 Mask	5,192,635
Surgical Mask	2,095,005
Gowns	2,811,716
PPE-Suit	17,965
Gloves	6,550,550
Eye Protection	418,434
Hand Sanitizer	314,171
Other Items	2,663,146
Total Units	20,063,622

Resource Requests - Updated 2/17/21 at 1530

Received ■ Filled ●

