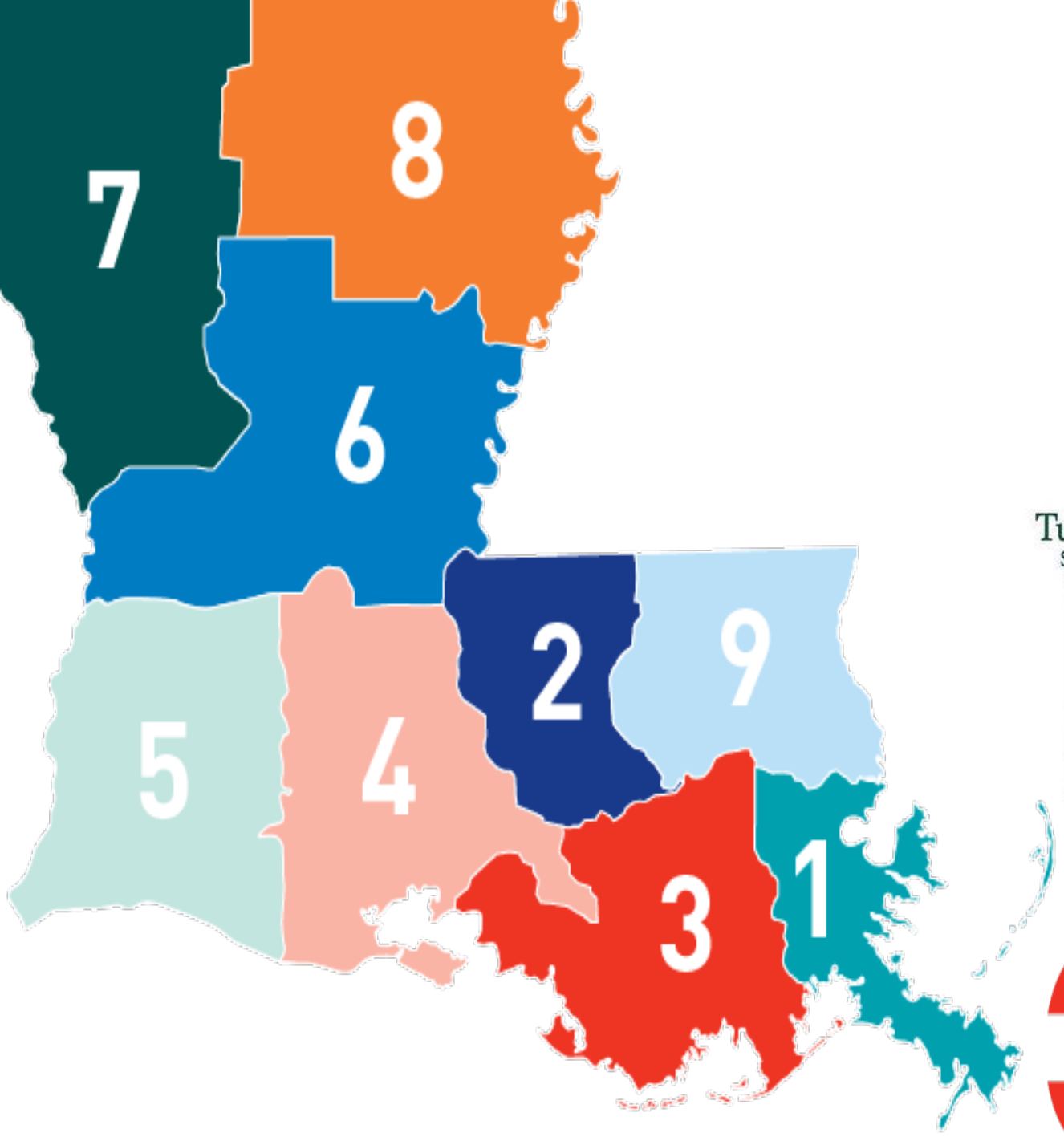


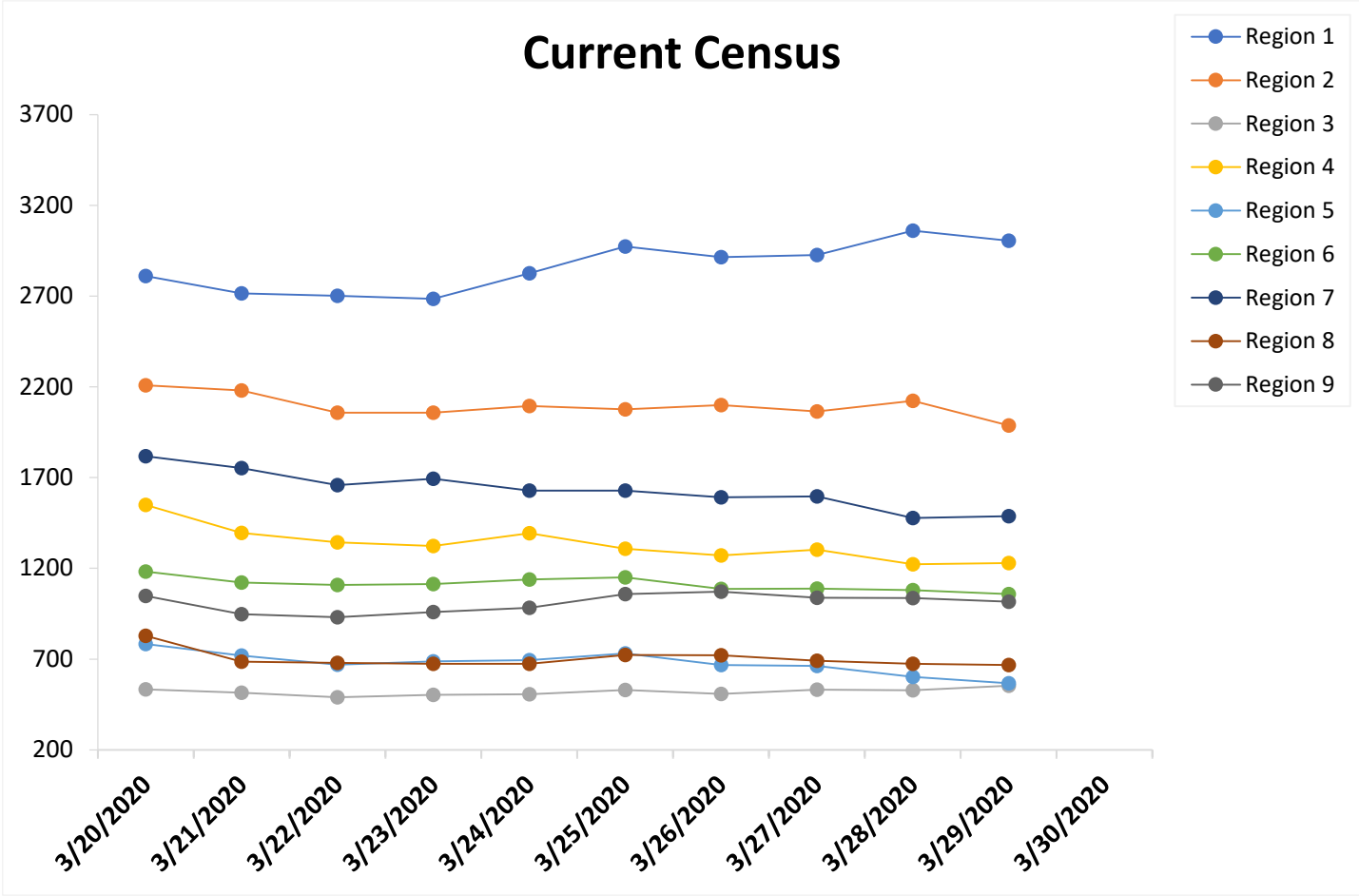
DAILY REPORTS
29 MARCH 2020

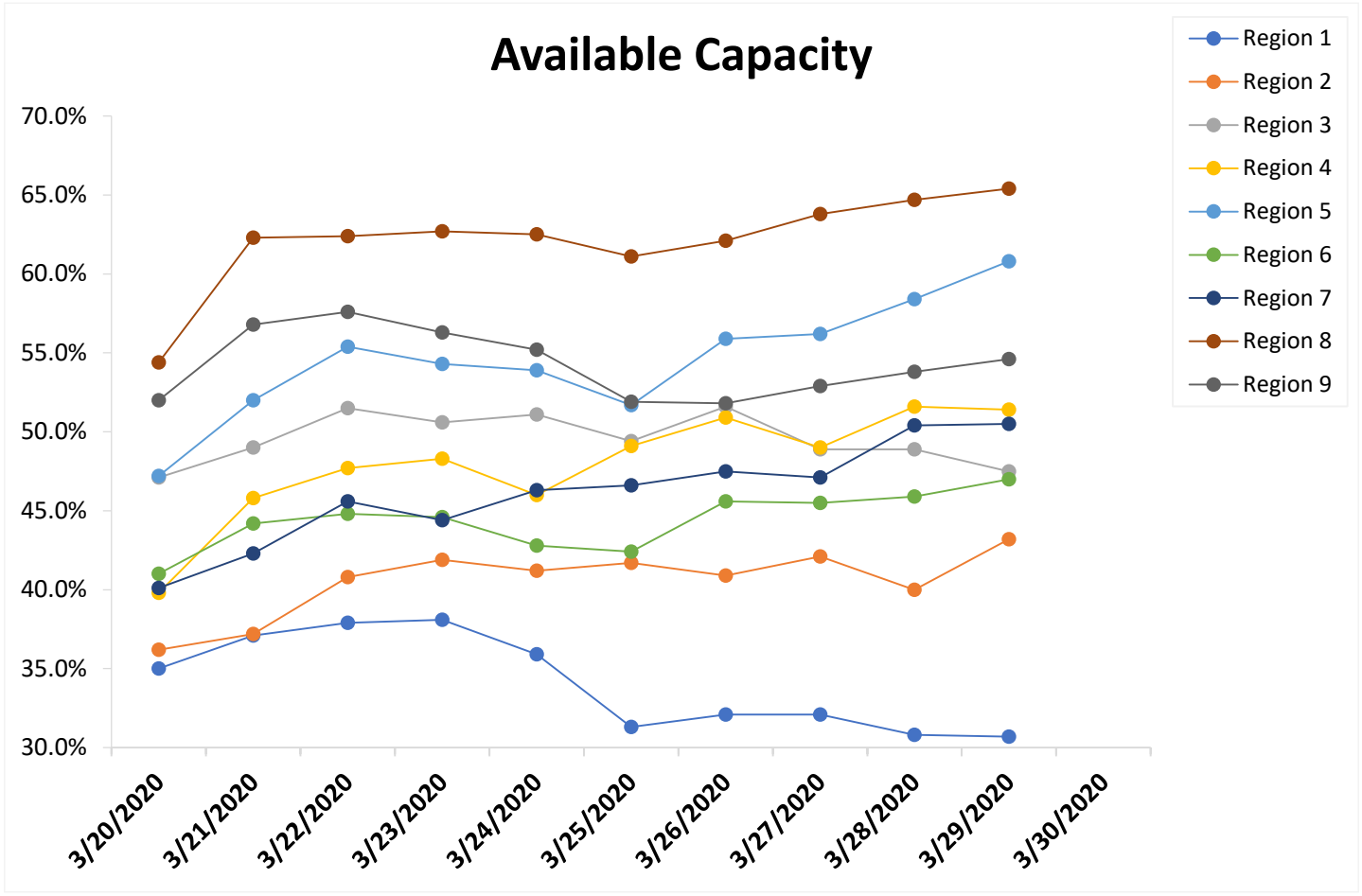
Tulane University
SCHOOL OF MEDICINE

THE BLOOD CENTER
Serving you for life!

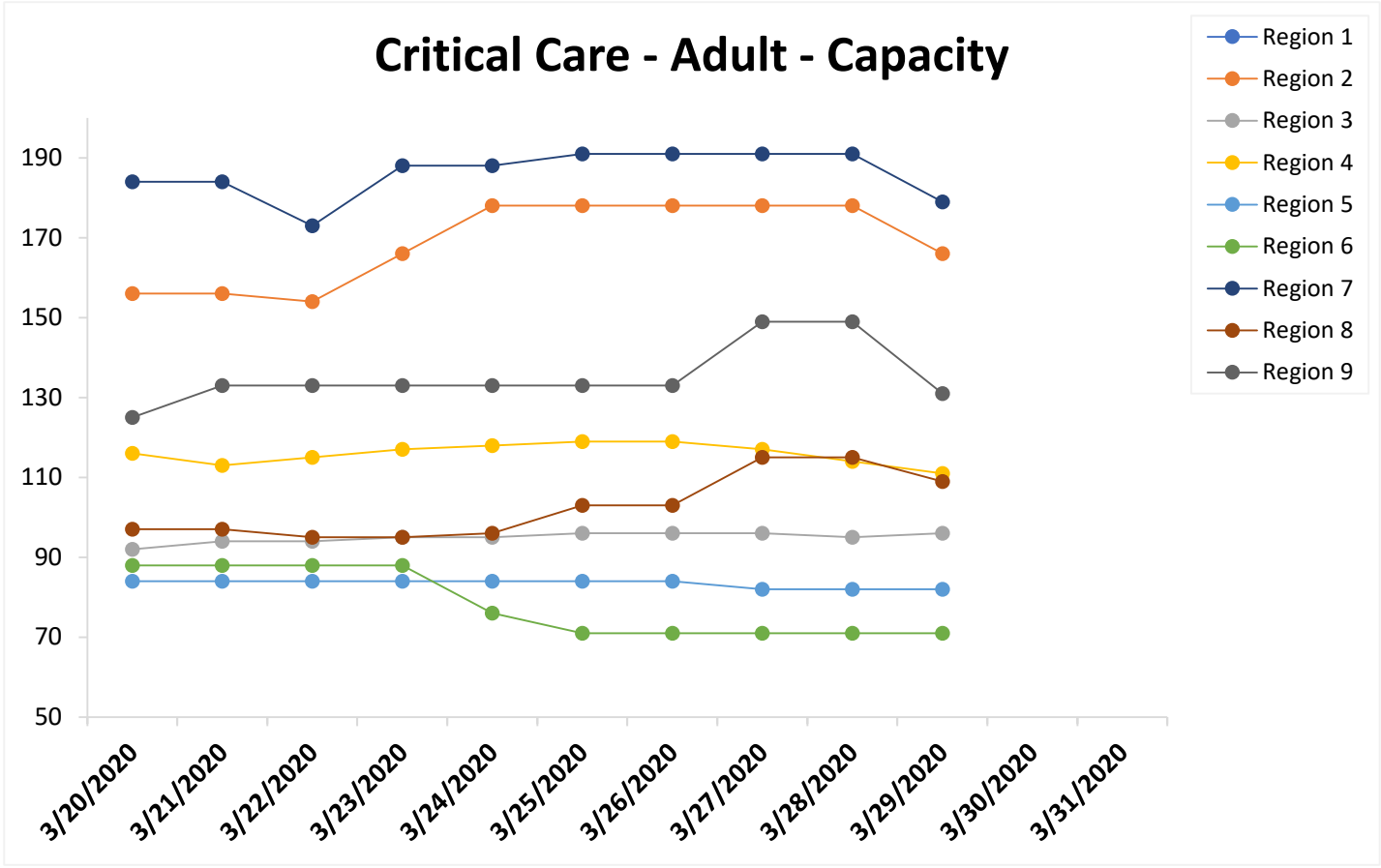
LOUISIANA
EMERGENCY RESPONSE NETWORK

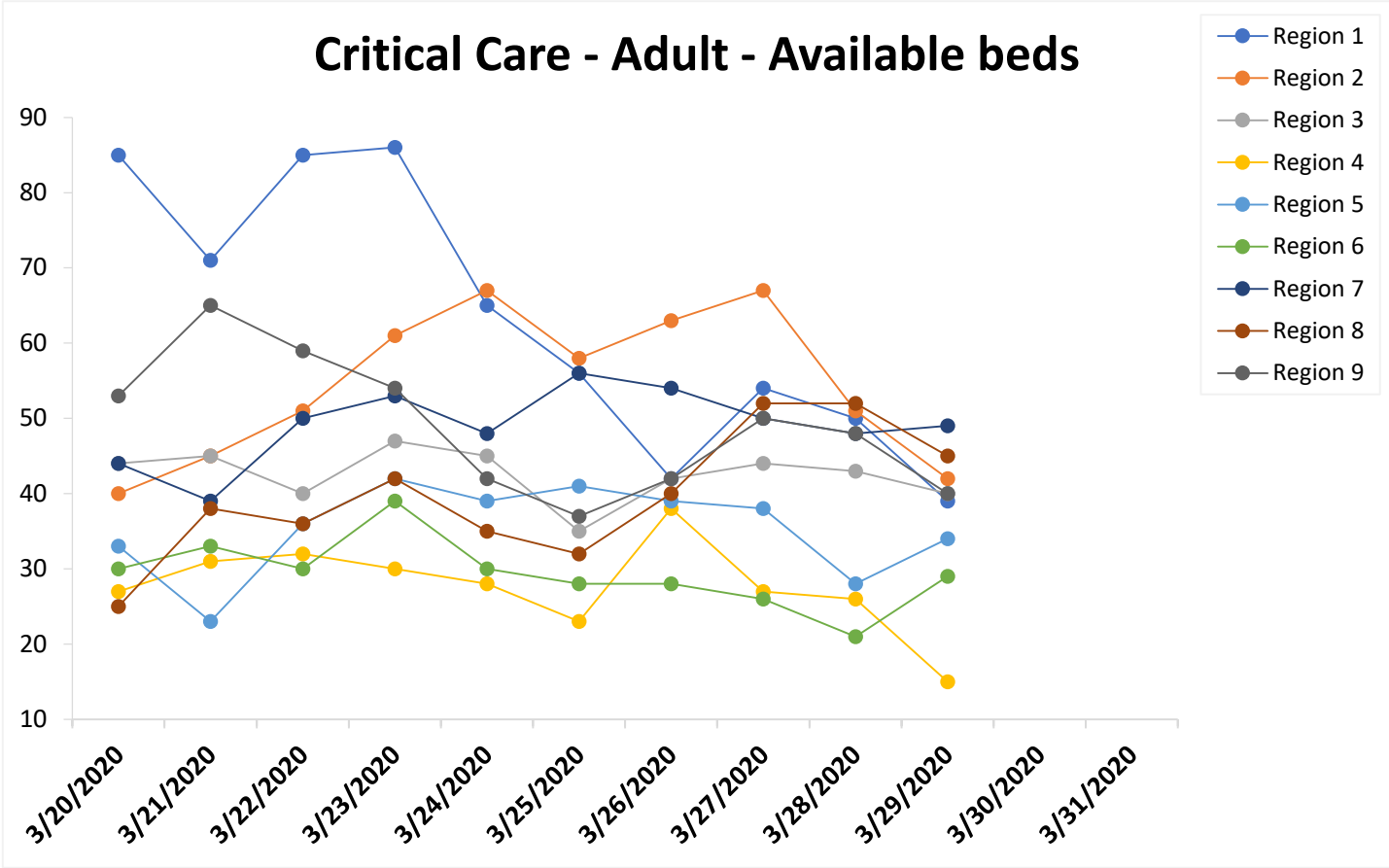
Utilization of Total Beds in Louisiana Hospitals

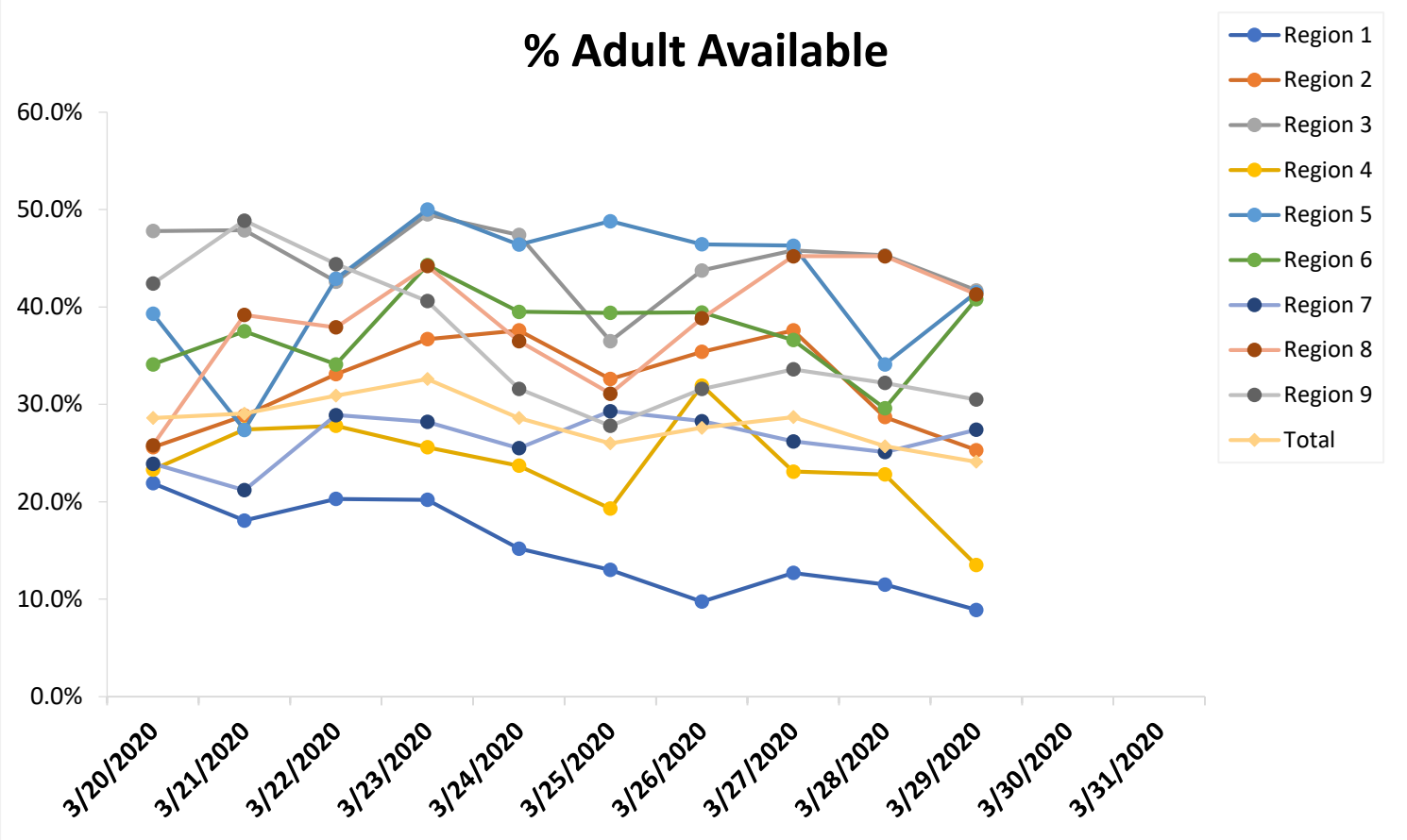

Current Census
3700
3200
2700
2200
1700
1200
700
200
3/20/2020
3/21/2020
3/22/2020
3/23/2020
3/24/2020
3/25/2020
3/26/2020
3/27/2020
3/28/2020
3/29/2020
3/30/2020
Region 1
Region 2
Region 3
Region 4
Region 5
Region 6
Region 7
Region 8
Region 9


Available Capacity
70.0%
65.0%
60.0%
55.0%
50.0%
45.0%
40.0%
35.0%
30.0%
3/20/2020
3/21/2020
3/22/2020
3/23/2020
3/24/2020
3/25/2020
3/26/2020
3/27/2020
3/28/2020
3/29/2020
3/30/2020
Region 1
Region 2
Region 3
Region 4
Region 5
Region 6
Region 7
Region 8
Region 9

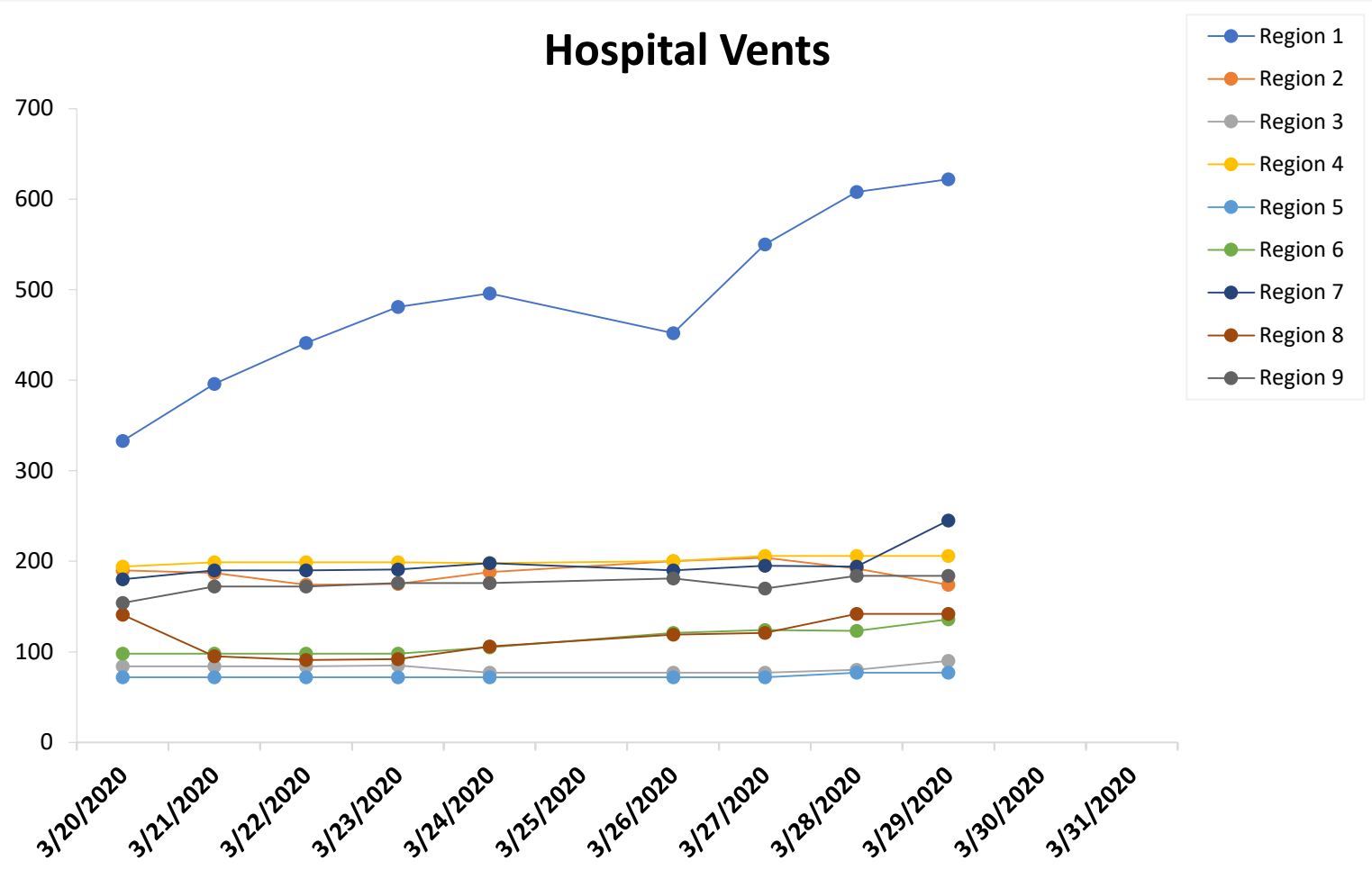
ICU Bed Utilization by Region

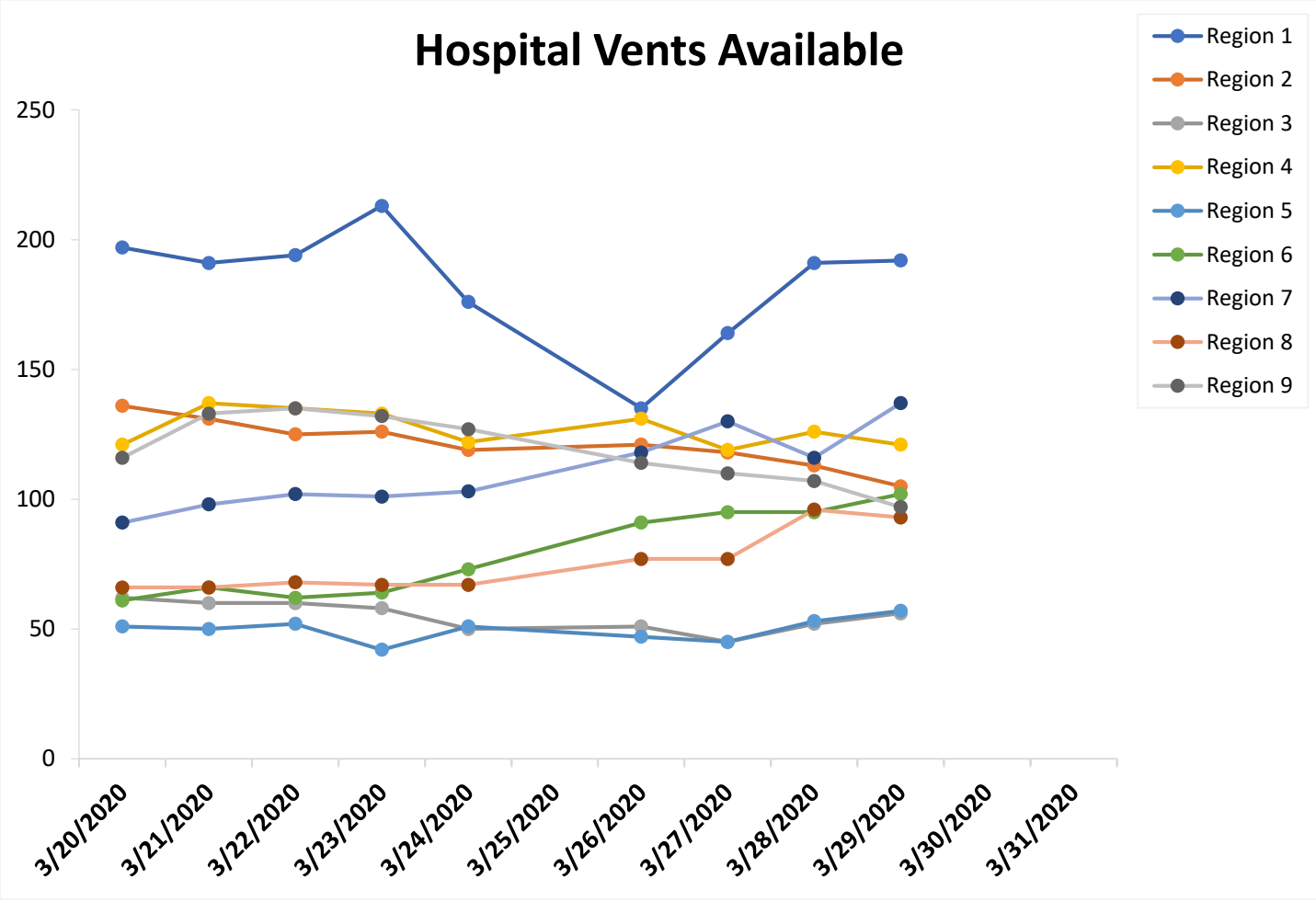

Critical Care - Adult - Capacity
190
170
150
130
110
90
70
50
3/20/2020
3/21/2020
3/22/2020
3/23/2020
3/24/2020
3/25/2020
3/26/2020
3/27/2020
3/28/2020
3/29/2020
3/30/2020
3/31/2020
Region 1
Region 2
Region 3
Region 4
Region 5
Region 6
Region 7
Region 8
Region 9

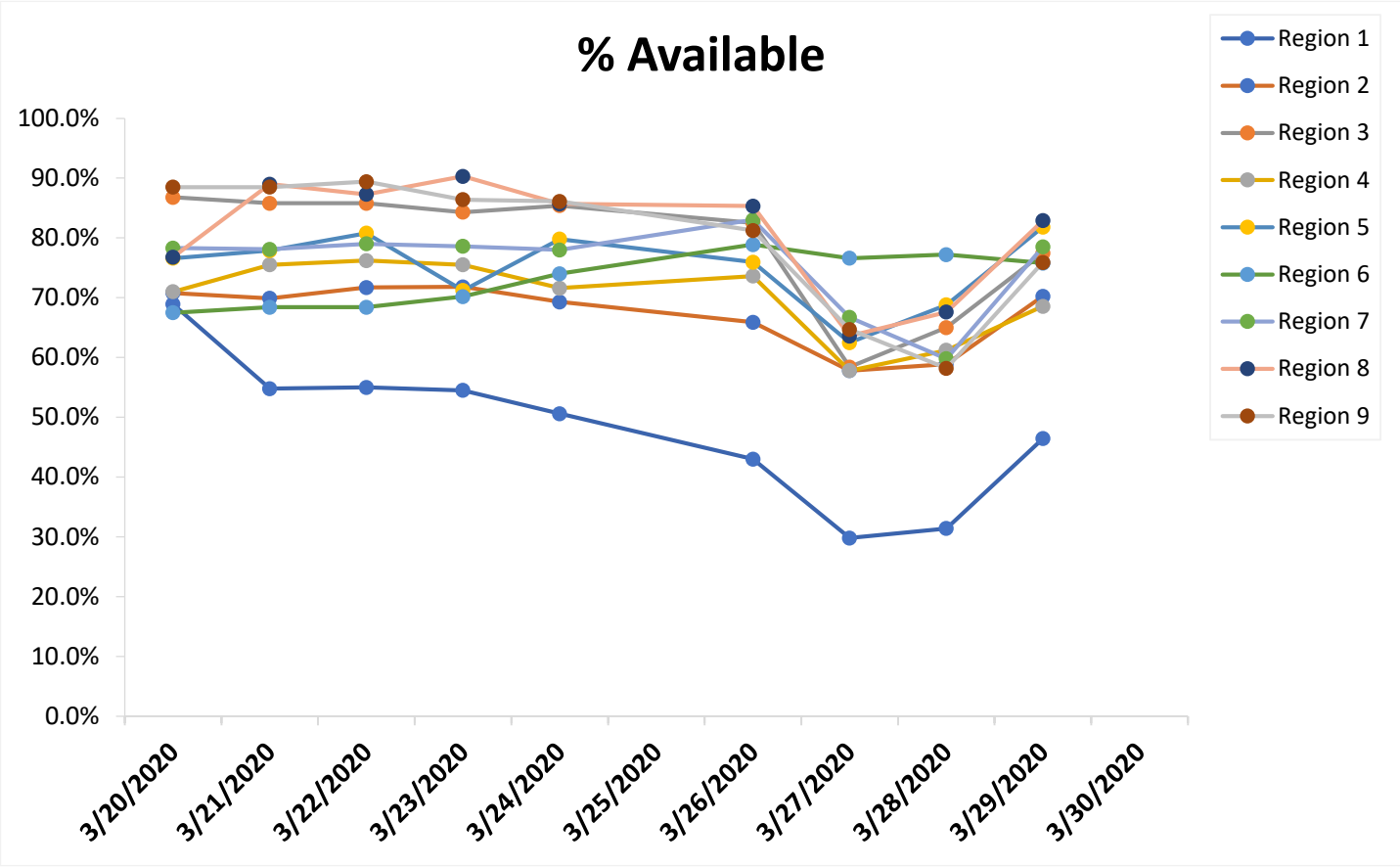

Critical Care - Adult - Available beds
90
80
70
60
50
40
30
20
10
3/20/2020
3/21/2020
3/22/2020
3/23/2020
3/24/2020
3/25/2020
3/26/2020
3/27/2020
3/28/2020
3/29/2020
3/30/2020
3/31/2020
Region 1
Region 2
Region 3
Region 4
Region 5
Region 6
Region 7
Region 8
Region 9


% Adult Available
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
3/20/2020
3/21/2020
3/22/2020
3/23/2020
3/24/2020
3/25/2020
3/26/2020
3/27/2020
3/28/2020
3/29/2020
3/30/2020
3/31/2020
Region 1
Region 2
Region 3
Region 4
Region 5
Region 6
Region 7
Region 8
Region 9
Total

Ventilation report

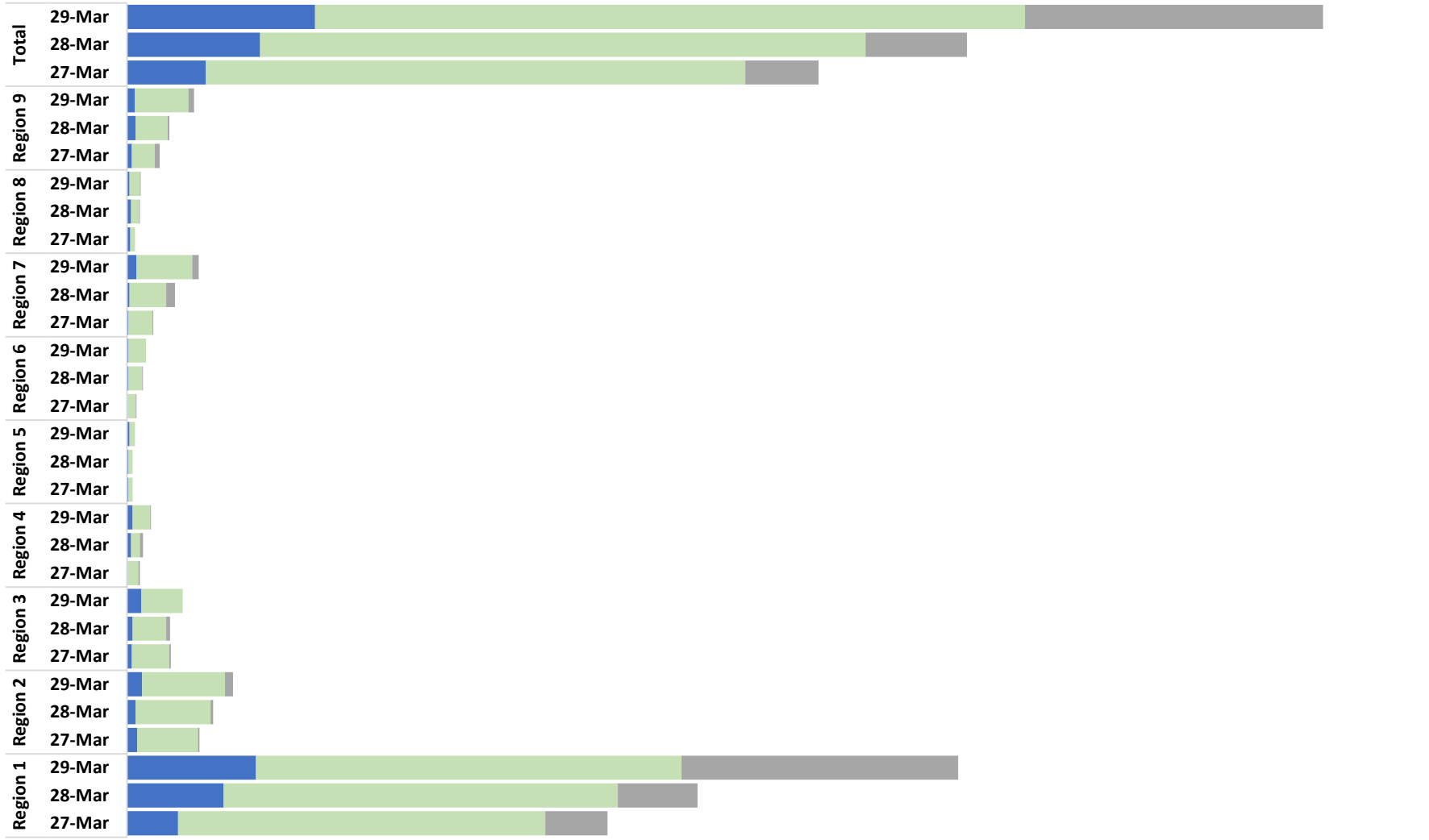

Hospital Vents
700
600
500
400
300
200
100
0
3/20/2020
3/21/2020
3/22/2020
3/23/2020
3/24/2020
3/25/2020
3/26/2020
3/27/2020
3/28/2020
3/29/2020
3/30/2020
3/31/2020
Region 1
Region 2
Region 3
Region 4
Region 5
Region 6
Region 7
Region 8
Region 9


Hospital Vents Available
250
200
150
100
50
0
3/20/2020
3/21/2020
3/22/2020
3/23/2020
3/24/2020
3/25/2020
3/26/2020
3/27/2020
3/28/2020
3/29/2020
3/30/2020
3/31/2020
Region 1
Region 2
Region 3
Region 4
Region 5
Region 6
Region 7
Region 8
Region 9


% Available
100.0%
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
3/20/2020
3/21/2020
3/22/2020
3/23/2020
3/24/2020
3/25/2020
3/26/2020
3/27/2020
3/28/2020
3/29/2020
3/30/2020
Region 1
Region 2
Region 3
Region 4
Region 5
Region 6
Region 7
Region 8
Region 9

Preliminary Hospitalized COVID-19 Patient Data

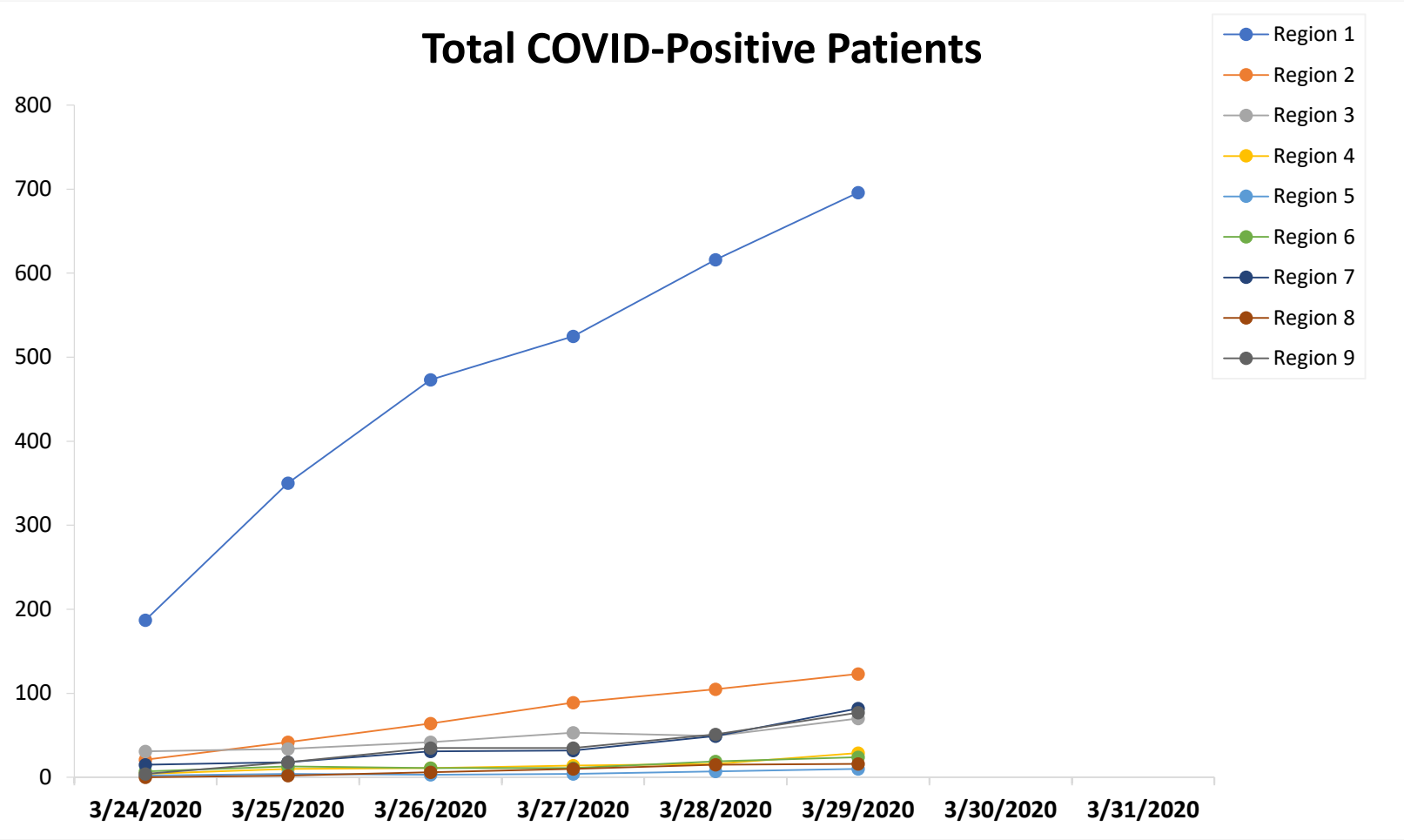
Of COVID-Positive patients



	Region 1			Region 2			Region 3			Region 4			Region 5			Region 6			Region 7			Region 8			Region 9			Total		
	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar	27-Mar	28-Mar	29-Mar
# of New Pts	64	121	162	13	11	19	6	7	18	1	5	7	2	2	3	1	2	2	2	3	12	4	5	3	6	11	10	99	167	236
# of Admitted Pts	461	495	534	76	94	104	47	42	52	13	11	22	5	5	7	10	17	22	30	46	70	6	10	13	29	40	67	677	760	891
# of Discharges	78	100	347	2	3	10	2	5	0	2	4	1	0	0	0	1	1	0	1	11	8	0	1	1	6	2	7	92	127	374

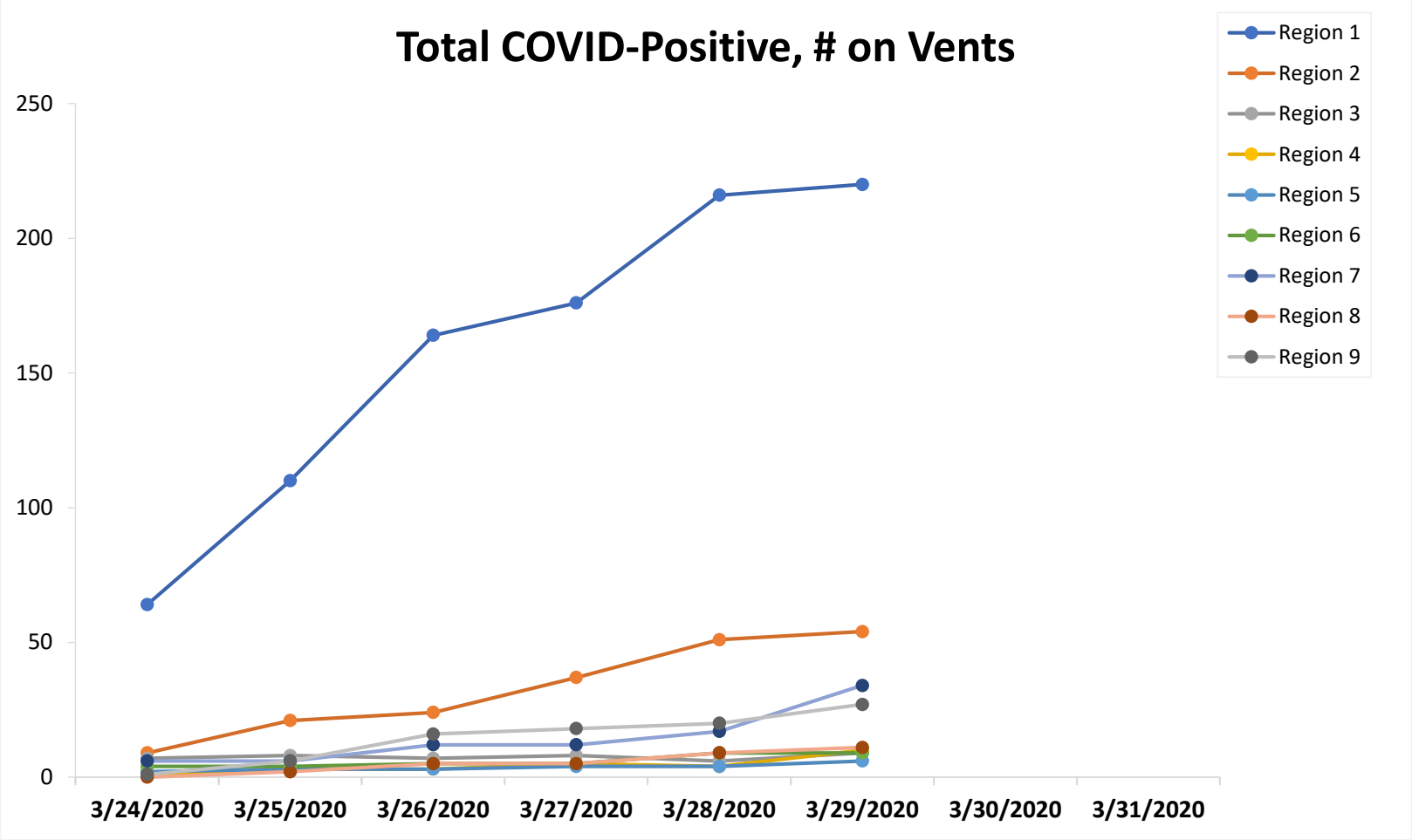
R0 Covid Positive
UMC: 3/10/2020

Shelter in place
3/20/2020



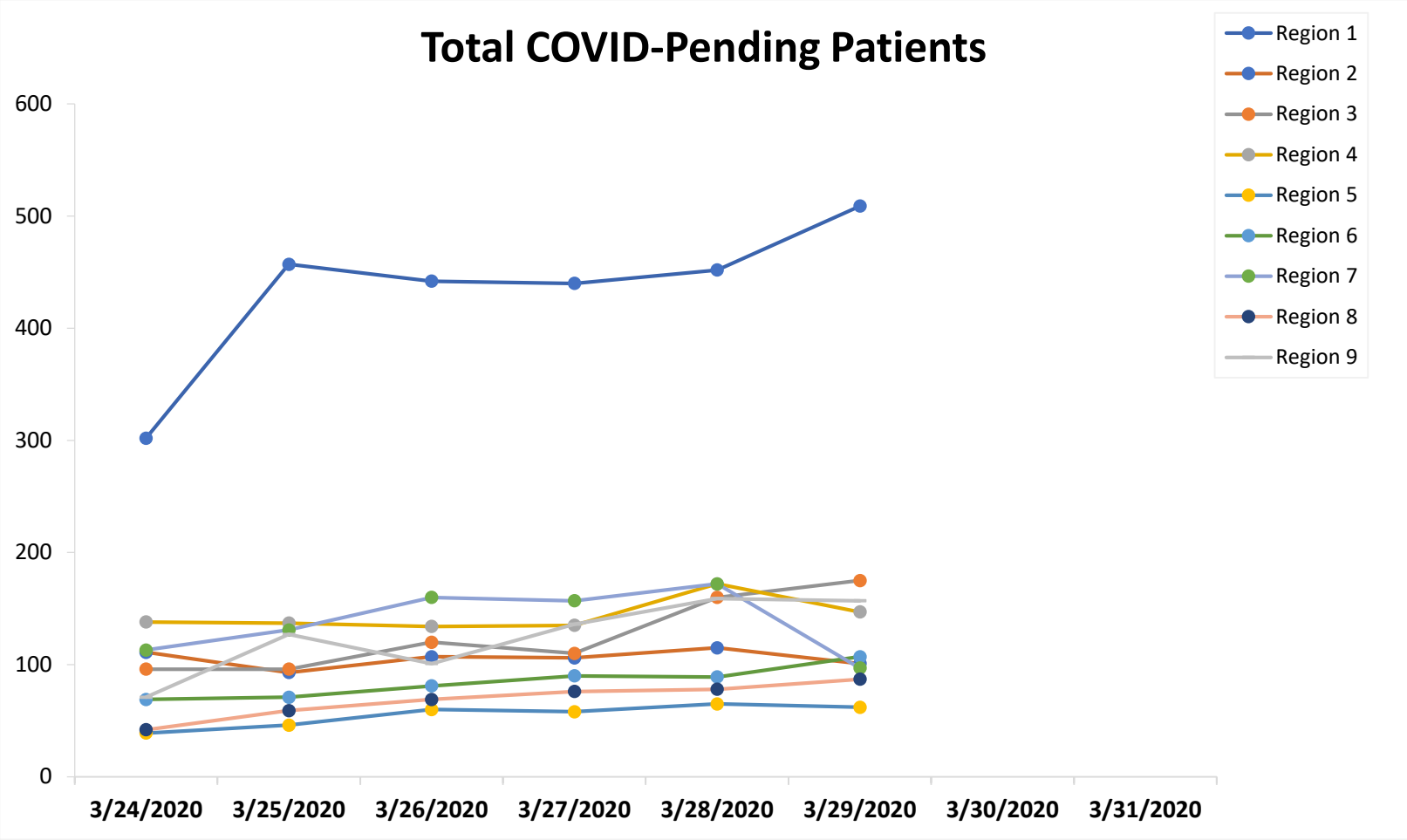
R0 Covid Positive
UMC: 3/10/2020

Shelter in place
3/20/2020



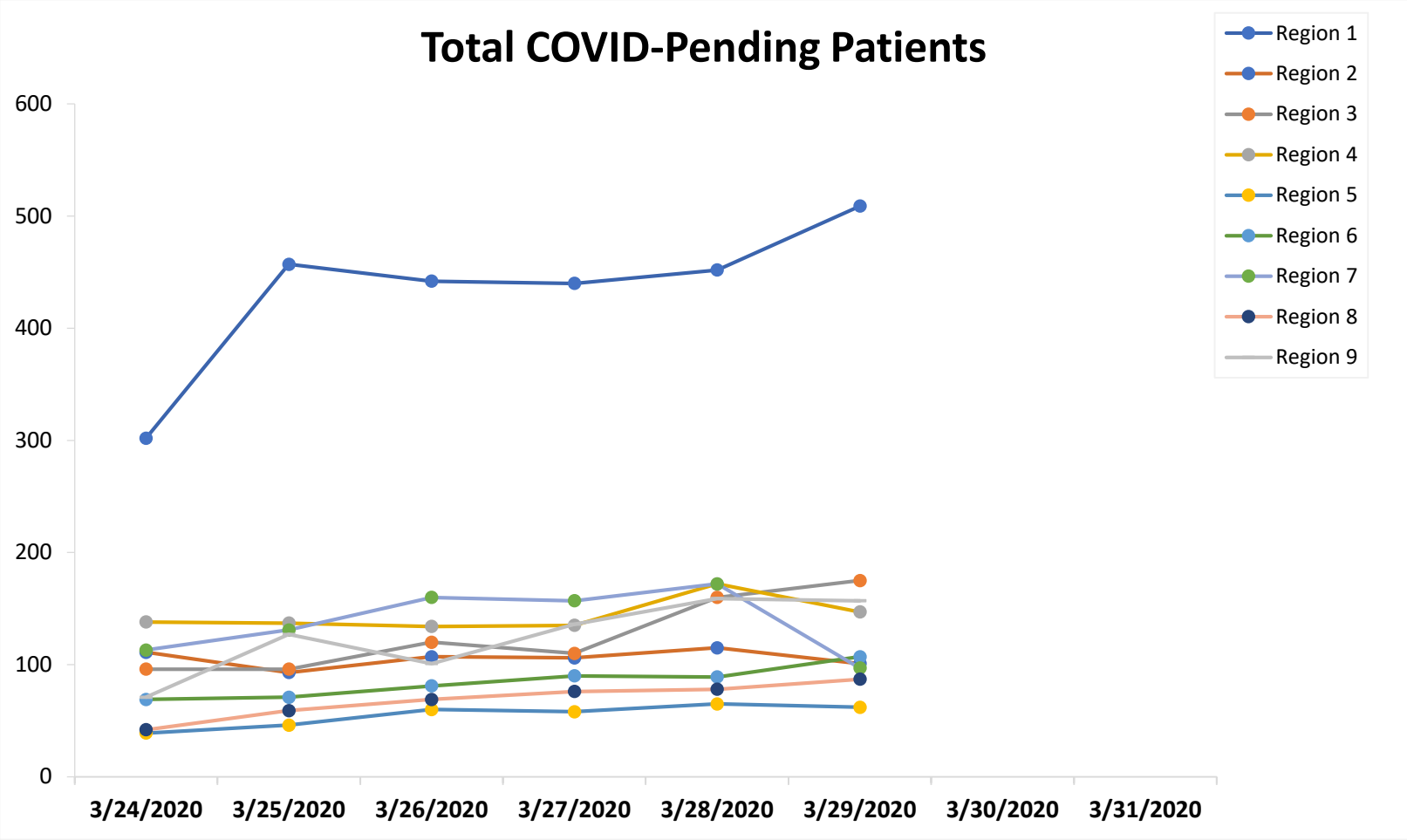
R0 Covid Positive
UMC: 3/10/2020

Shelter in place
3/20/2020

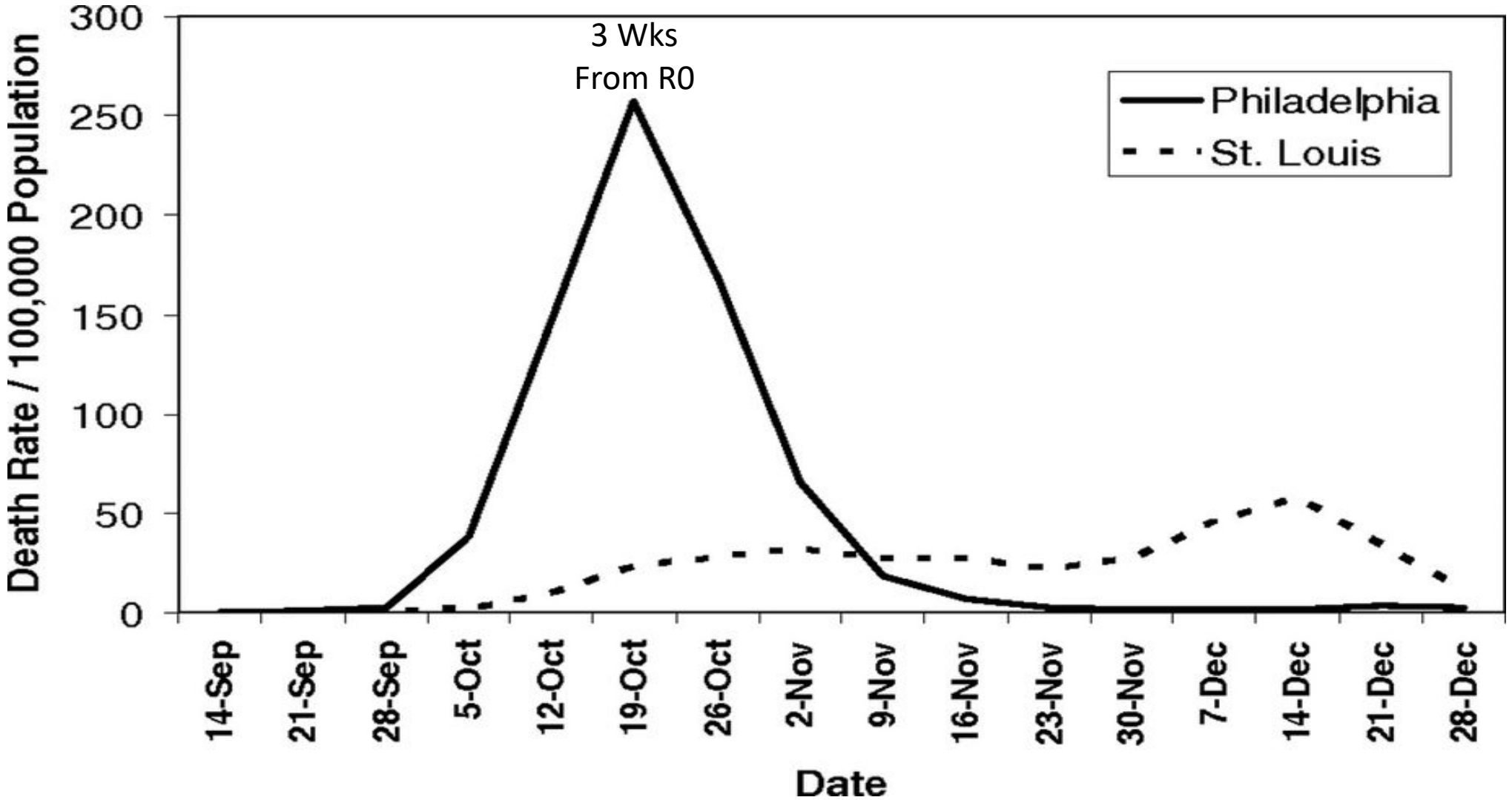


R0 Covid Positive
UMC: 3/10/2020

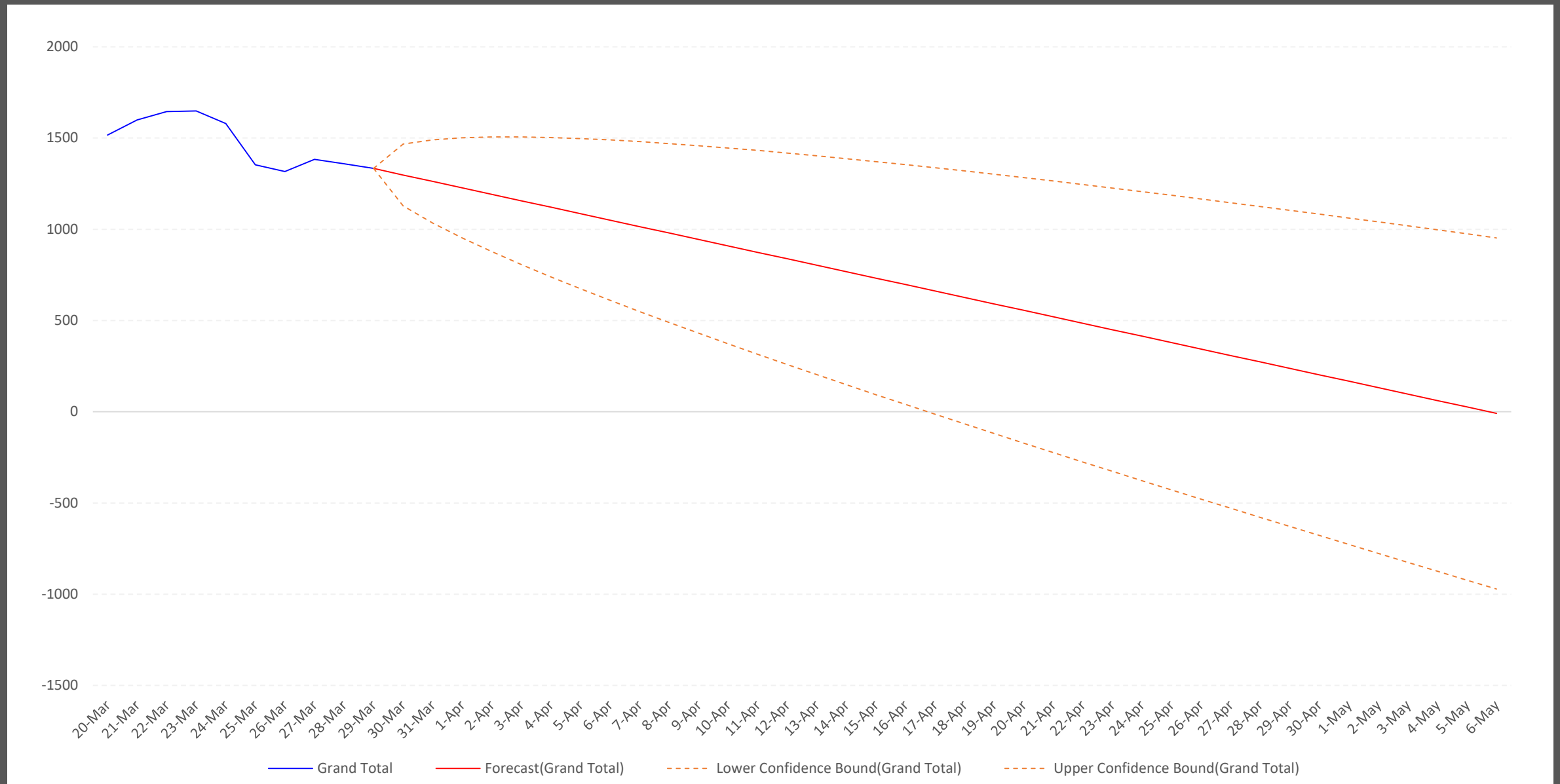
Shelter in place
3/20/2020



Philadelphia got less of a warning about the 1918 flu — the chart shows its first cases were ahead of St. Louis's — and that limited its ability to respond somewhat. But even given that, Markel said, Philadelphia just did a much worse job than St. Louis at putting in place social distancing measures. Philadelphia, as just one example, didn't cancel a World War I parade as the 1918 flu picked up, which [likely led to thousands of infections](#).



Predicted hospital bed full saturation


2000
1500
1000
500
0
-500
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20-Mar
21-Mar
22-Mar
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24-Mar
25-Mar
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28-Mar
29-Mar
30-Mar
31-Mar
1-Apr
2-Apr
3-Apr
4-Apr
5-Apr
6-Apr
7-Apr
8-Apr
9-Apr
10-Apr
11-Apr
12-Apr
13-Apr
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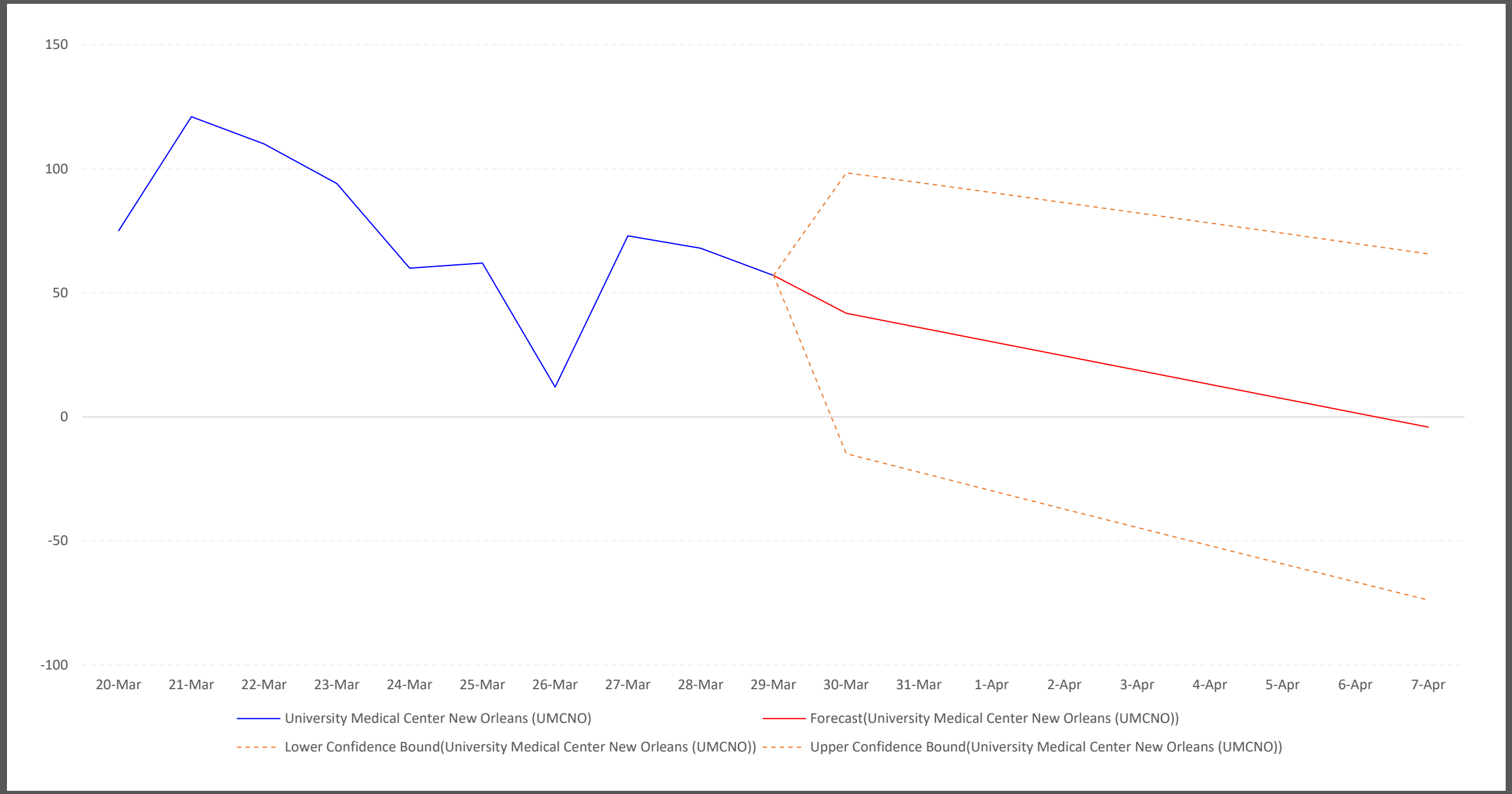
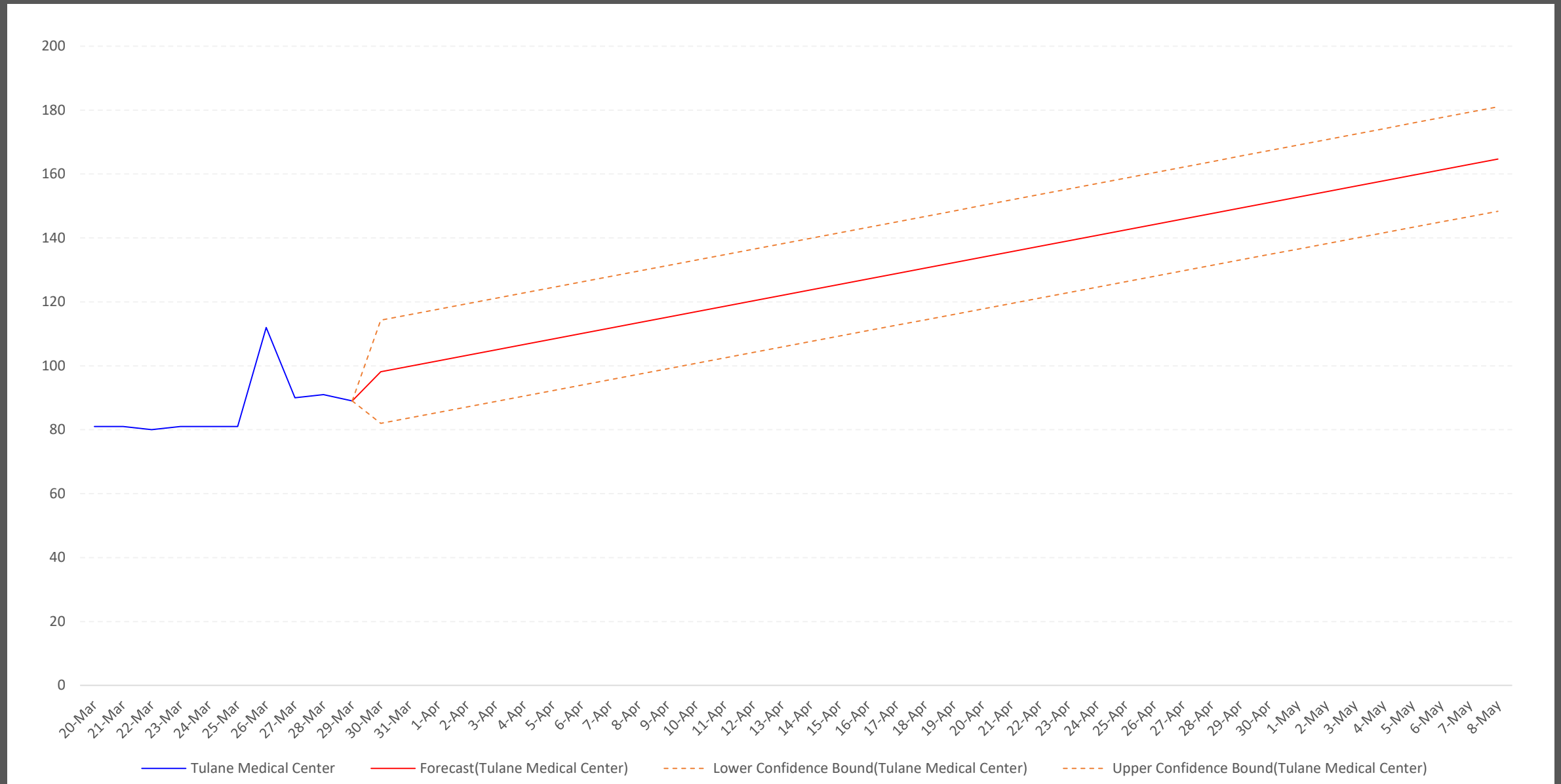
22-Apr
23-Apr
24-Apr
25-Apr
26-Apr
27-Apr
28-Apr
29-Apr
30-Apr
1-May
2-May
3-May
4-May
5-May
6-May
Grand Total
Forecast(Grand Total)
Lower Confidence Bound(Grand Total)
Upper Confidence Bound(Grand Total)


150
100
50
0
-50
-100
20-Mar
21-Mar
22-Mar
23-Mar
24-Mar
25-Mar
26-Mar
27-Mar
28-Mar
29-Mar
30-Mar
31-Mar
1-Apr
2-Apr
3-Apr
4-Apr
5-Apr
6-Apr
7-Apr
University Medical Center New Orleans (UMCNO)
Forecast(University Medical Center New Orleans (UMCNO))
Lower Confidence Bound(University Medical Center New Orleans (UMCNO))
Upper Confidence Bound(University Medical Center New Orleans (UMCNO))


200
180
160
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120
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20-Mar
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26-Mar
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28-Mar
29-Mar
30-Mar
31-Mar
1-Apr
2-Apr
3-Apr
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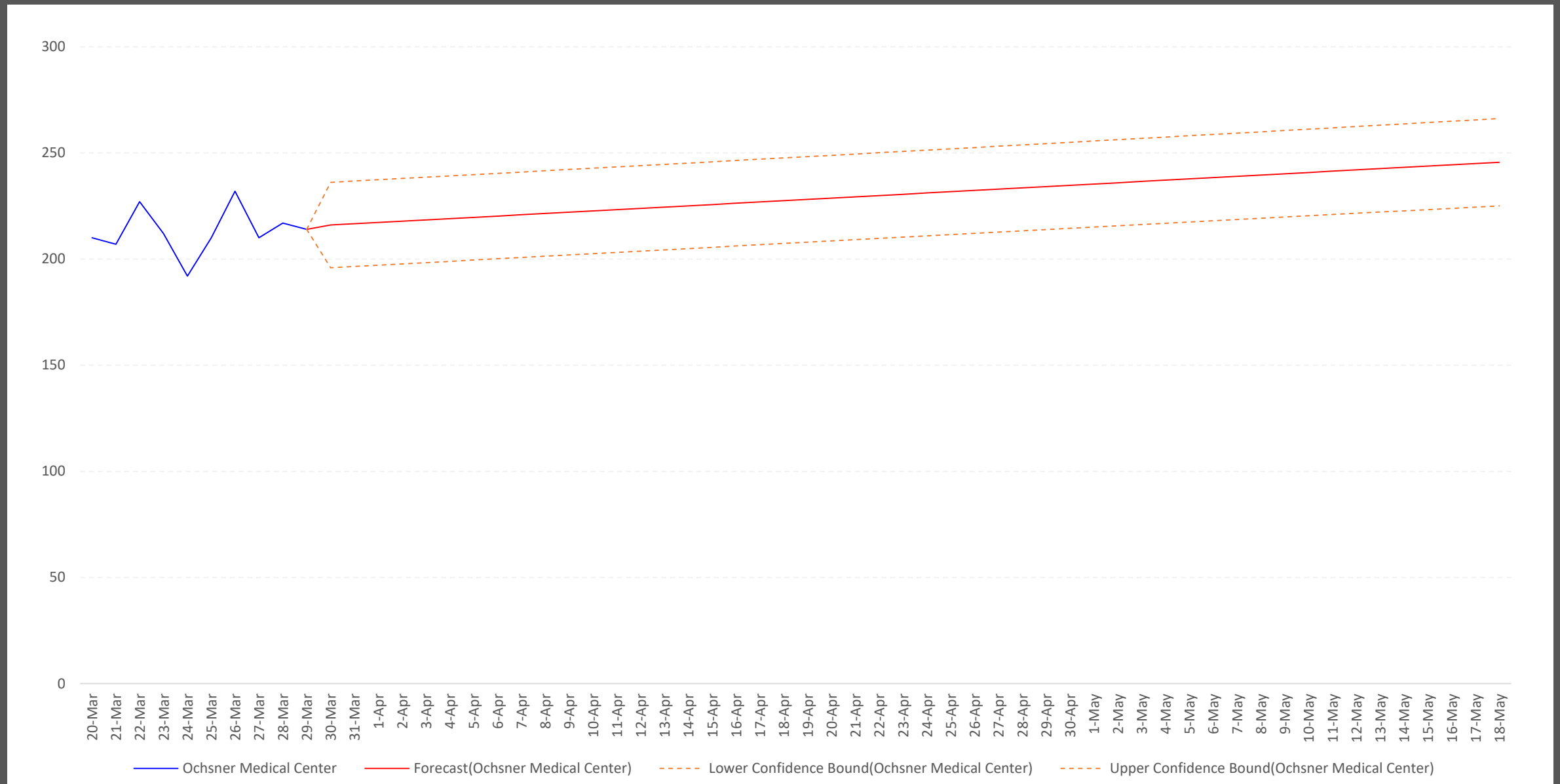
5-May
6-May
7-May
8-May
Tulane Medical Center
Forecast(Tulane Medical Center)
Lower Confidence Bound(Tulane Medical Center)
Upper Confidence Bound(Tulane Medical Center)


300
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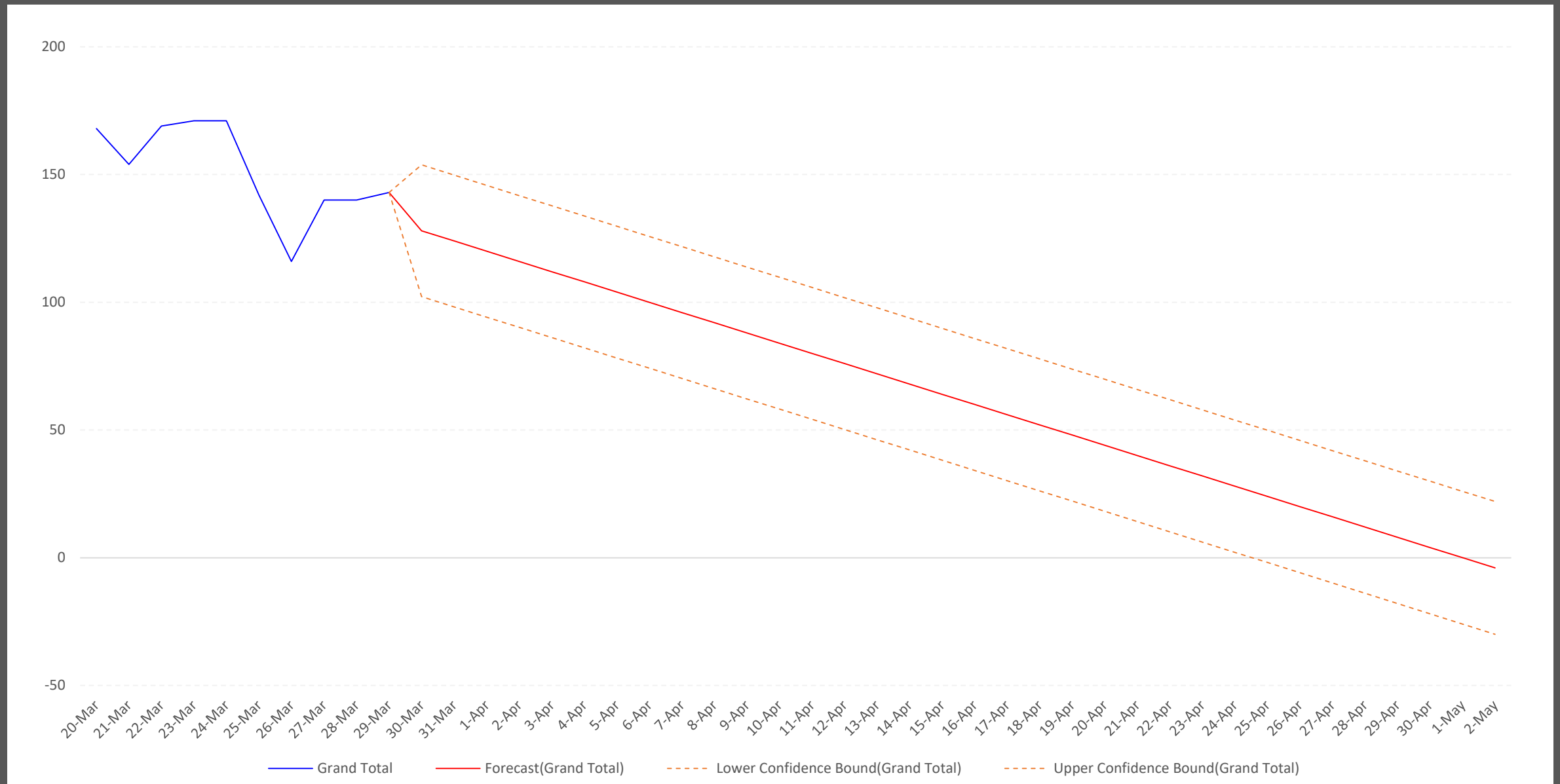
16-May
17-May
18-May
Ochsner Medical Center
Forecast(Ochsner Medical Center)
Lower Confidence Bound(Ochsner Medical Center)
Upper Confidence Bound(Ochsner Medical Center)

Predicted ICU bed full saturation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29-Mar
30-Mar
31-Mar
1-Apr
2-Apr
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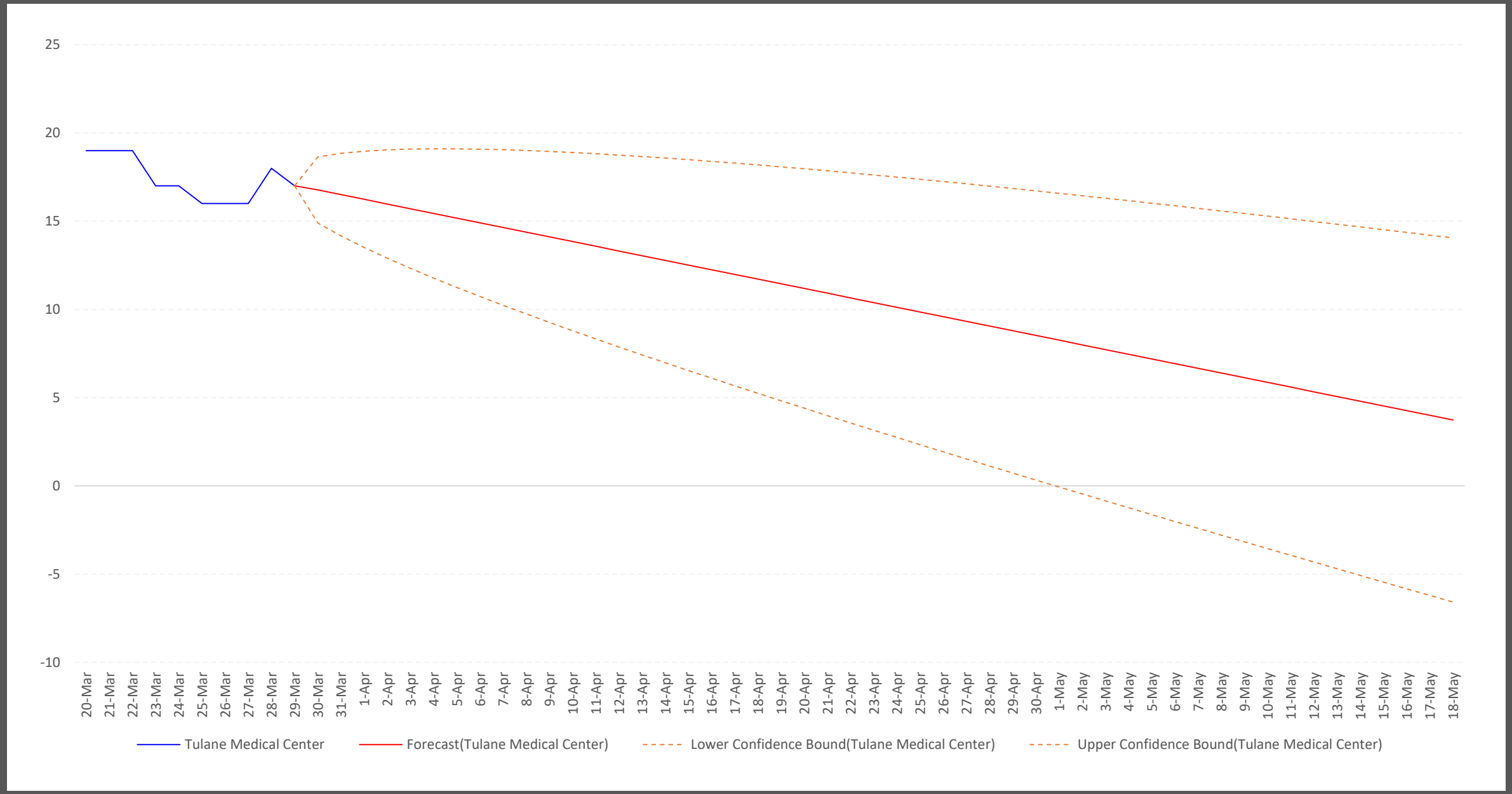
30-Apr
1-May
2-May
Grand Total
Forecast(Grand Total)
Lower Confidence Bound(Grand Total)
Upper Confidence Bound(Grand Total)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15-May
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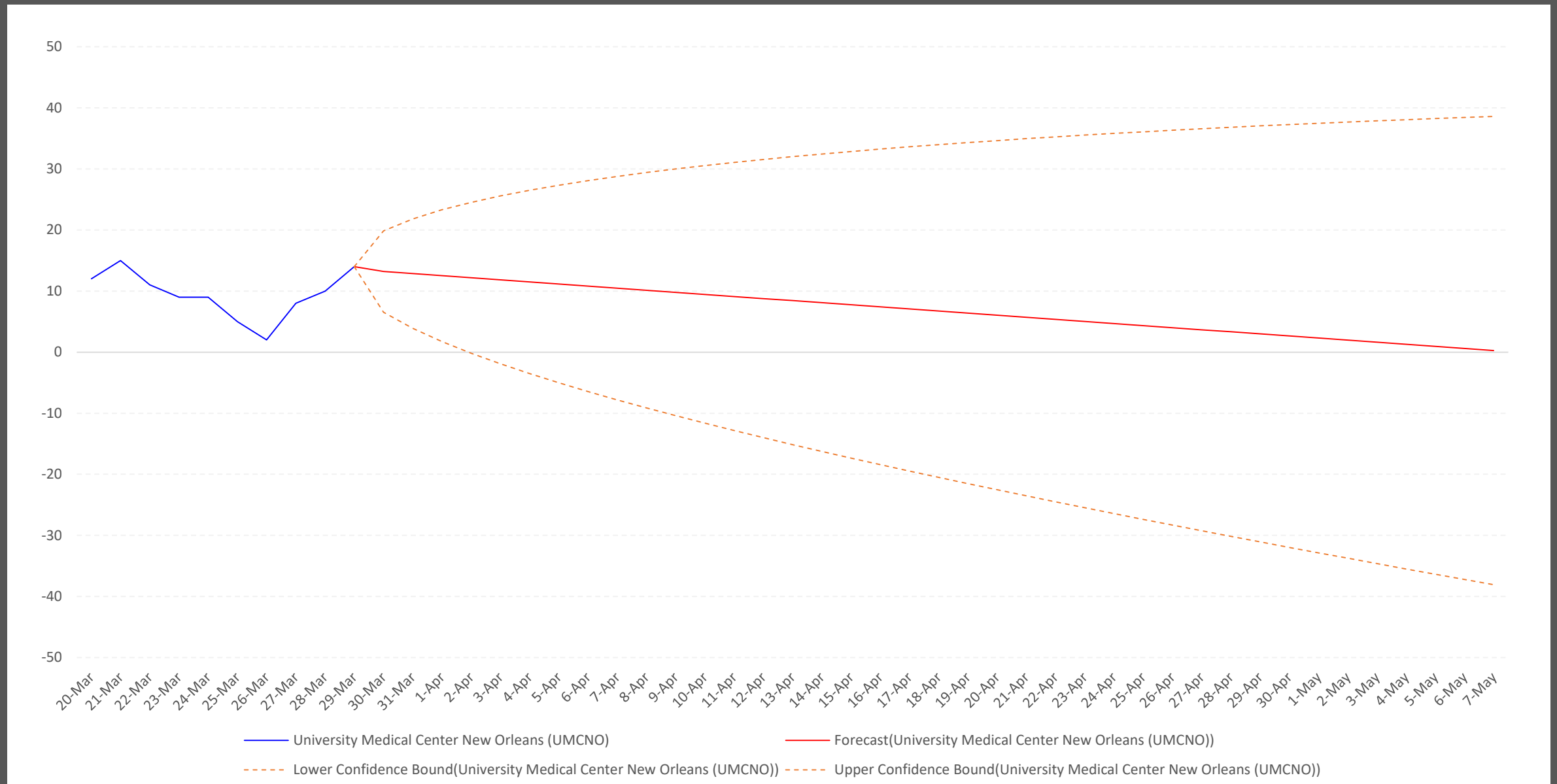
17-May
18-May
Tulane Medical Center
Forecast(Tulane Medical Center)
Lower Confidence Bound(Tulane Medical Center)
Upper Confidence Bound(Tulane Medical Center)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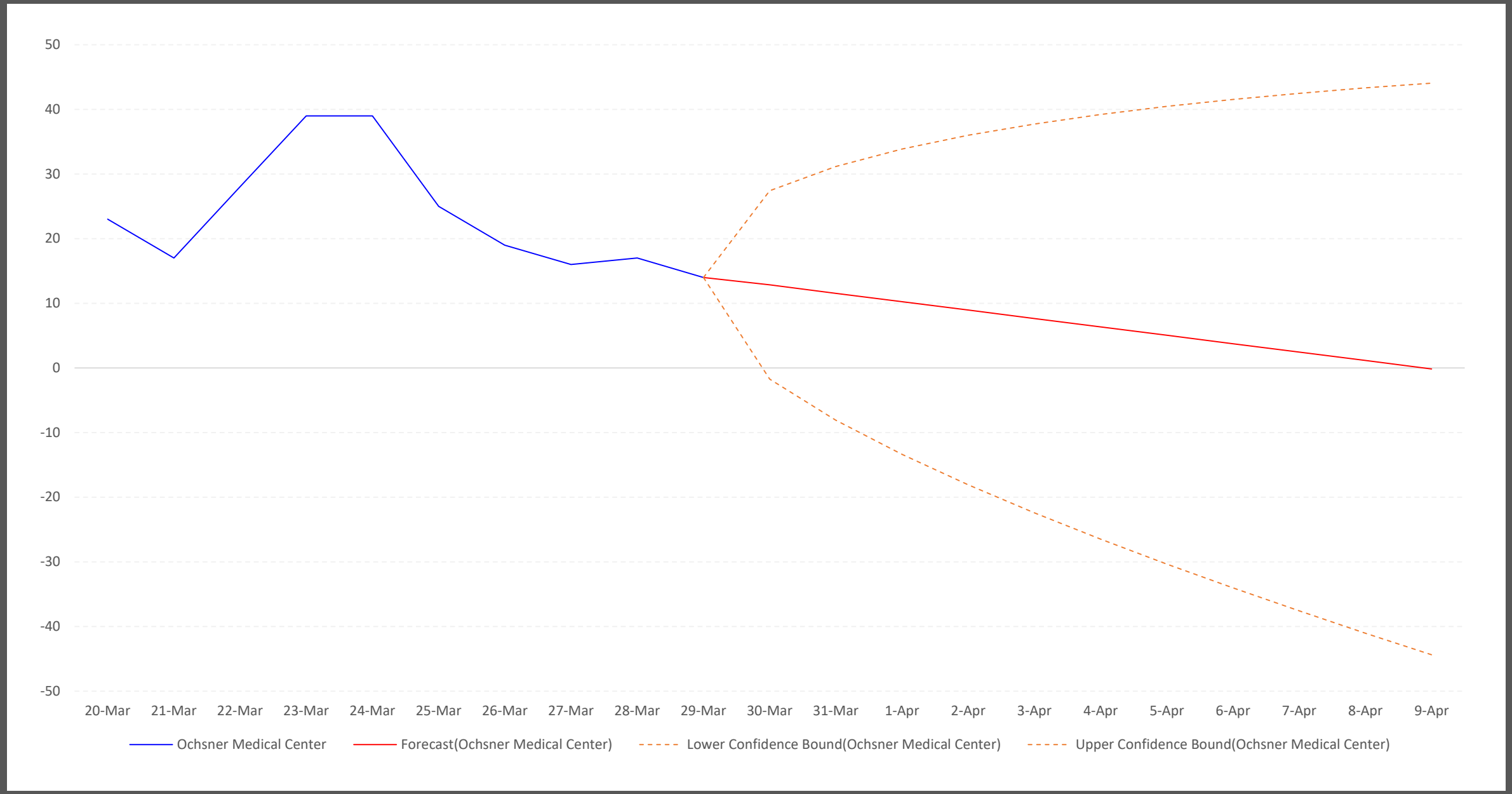
7-May
University Medical Center New Orleans (UMCNO)
Forecast(University Medical Center New Orleans (UMCNO))
Lower Confidence Bound(University Medical Center New Orleans (UMCNO))
Upper Confidence Bound(University Medical Center New Orleans (UMCNO))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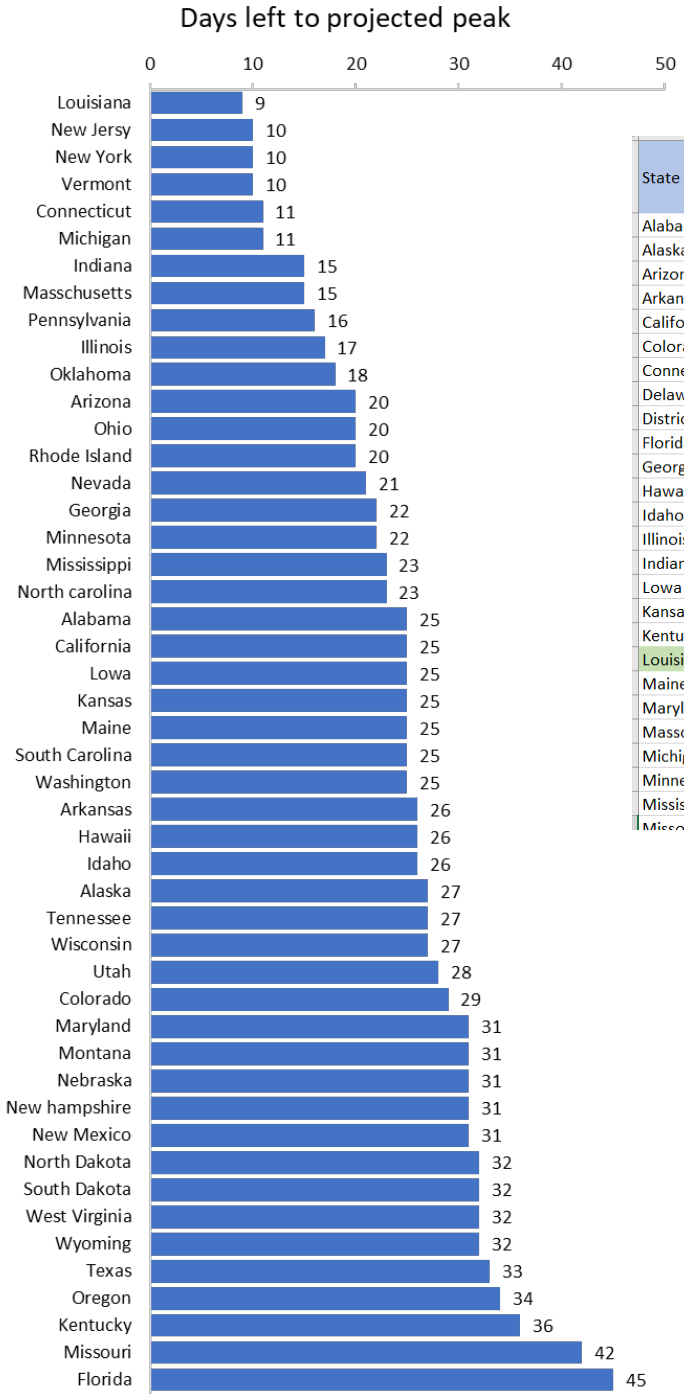
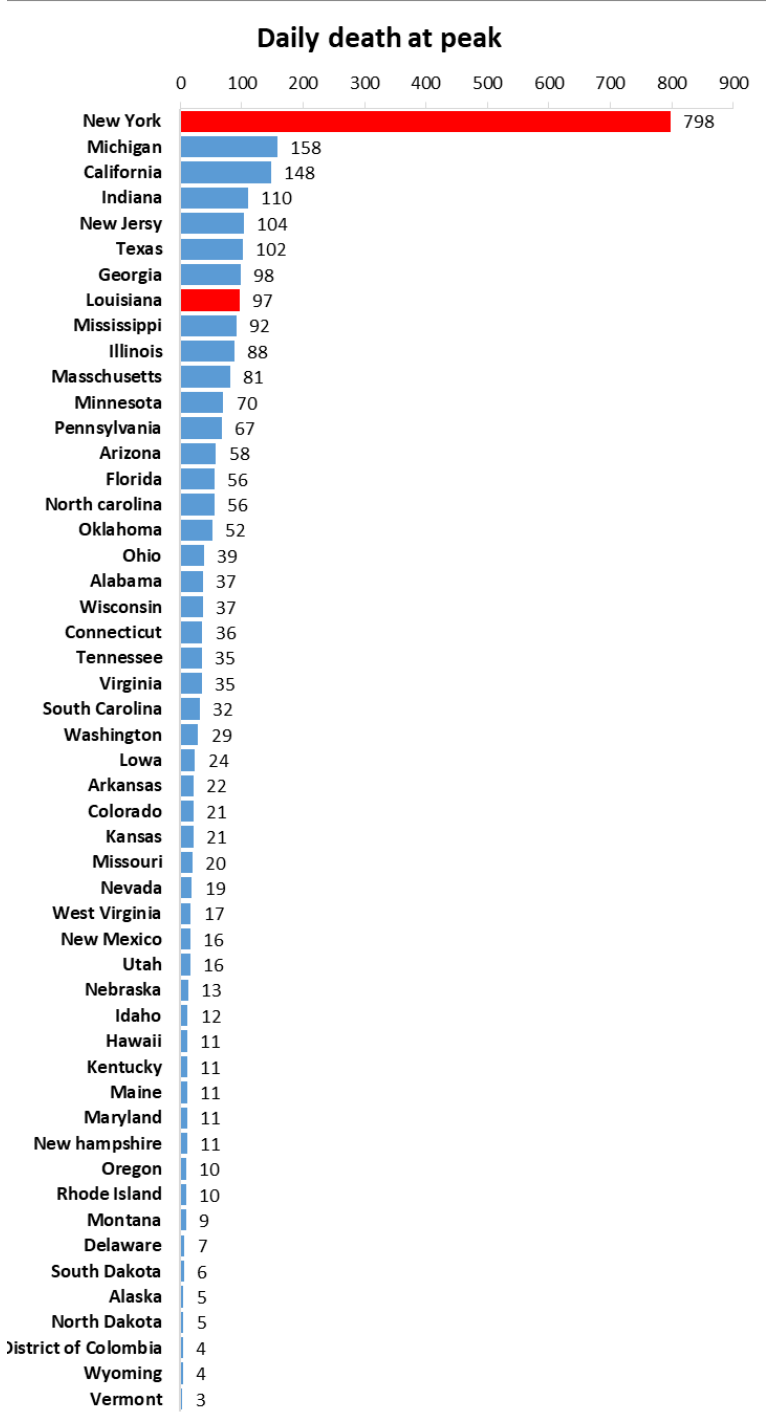
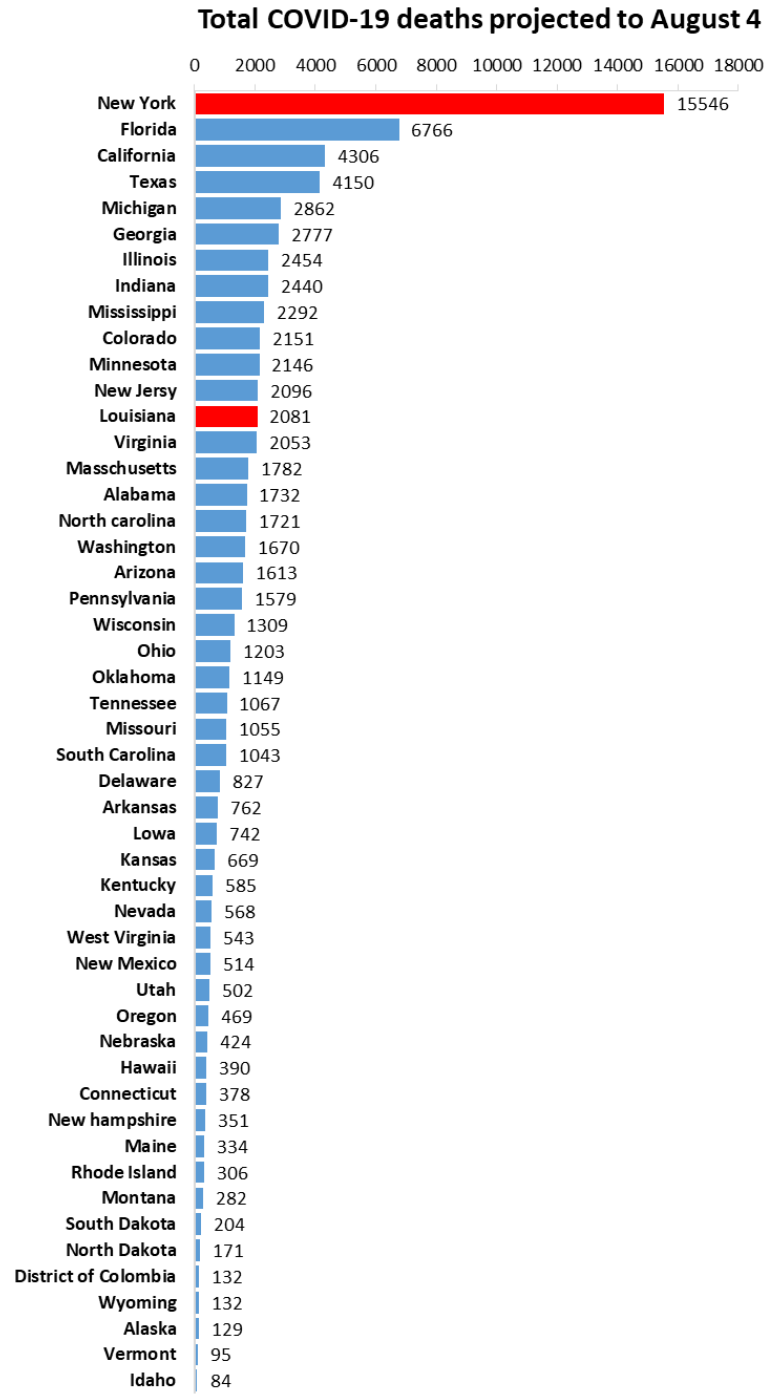
7-Apr
8-Apr
9-Apr
Ochsner Medical Center
Forecast(Ochsner Medical Center)
Lower Confidence Bound(Ochsner Medical Center)
Upper Confidence Bound(Ochsner Medical Center)

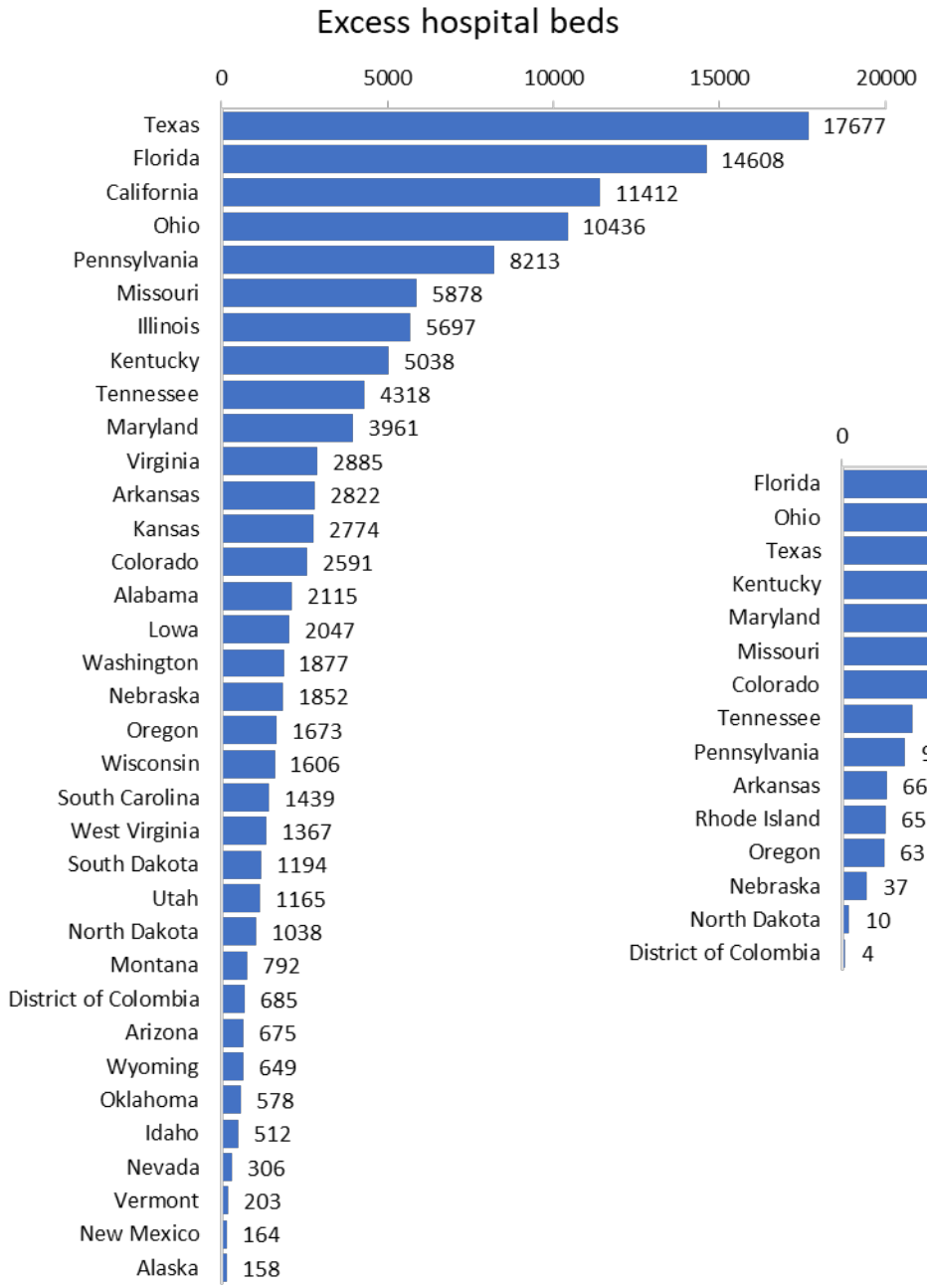
National Projected Peak per State

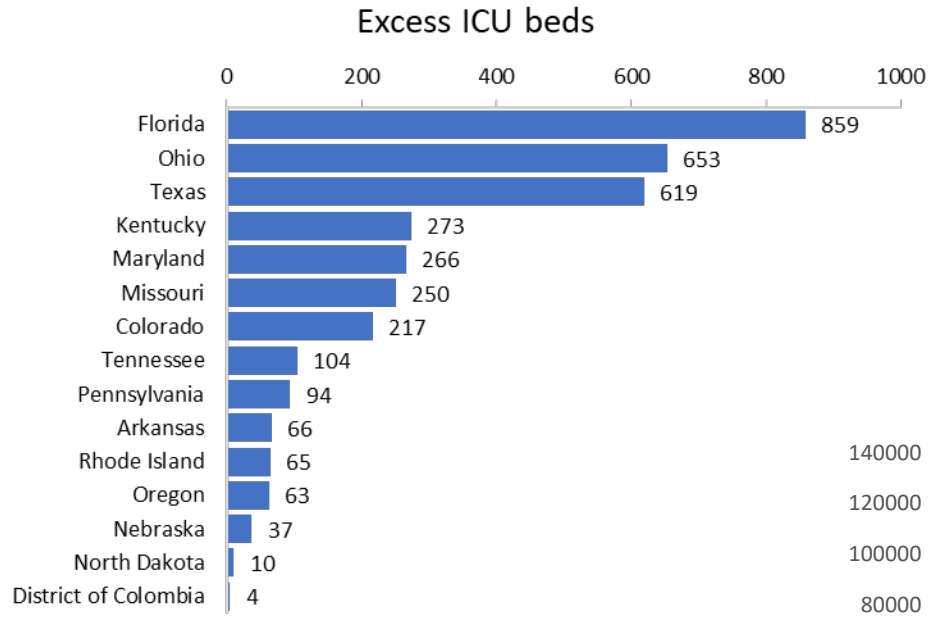


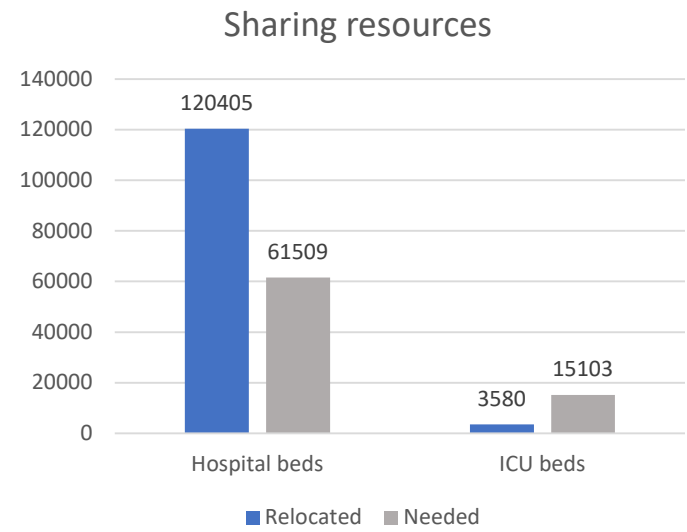
State	Stay at home order	Educational facilities closed	Non-essential services	Travel severely limited	Projected peak	Days left	All beds needed	All beds available	bed shortage	ICU beds needed	ICU beds available	ICU bed shortage	Invasive ventilators needed	Daily death at peak	Time Max daily death	Total death till 4-Aug
Alabama	Not impleme	18-Mar	18-Mar	Not impleme	24-Apr	25	3628	5743	0	553	474	79	299	37	24-Apr	1732
Alaska	25-Mar	26-Mar	18-Mar	Not impleme	26-Apr	27	524	682	0	78	54	24	42	5	24-Apr	129
Arizona	Not impleme	16-Mar	20-Mar	Not impleme	19-Apr	20	5342	6017	0	808	508	300	436	58	18-Apr	1613
Arkansas	Not impleme	17-Mar	19-Mar	Not impleme	25-Apr	26	2183	5005	0	328	394	0	177	22	23-Apr	762
California	19-Mar	19-Mar	19-Mar	Not impleme	24-Apr	25	15242	26654	0	2292	1993	299	1238	148	25-Apr	4306
Colorado	Not impleme	23-Mar	17-Mar	Not impleme	28-Apr	29	2260	4851	0	337	554	0	182	21	25-Apr	2151
Connecticut	23-Mar	17-Mar	16-Mar	Not impleme	10-Apr	11	3341	1738	1603	521	99	422	281	36	10-Apr	378
Delaware	24-Mar	16-Mar	16-Mar	Not impleme	24-Mar	-6	725	696	29	110	41	69	59	7	20-Apr	827
District of Co	Not impleme	16-Mar	16-Mar	Not impleme	24-Mar	-6	408	1093	0	62	66	0	33	4	19-Apr	132
Florida	Not impleme	17-Mar	20-Mar	Not impleme	14-May	45	5576	20184	0	836	1695	0	451	56	12-May	6766
Georgia	Not impleme	18-Apr	Not impleme	Not impleme	21-Apr	22	10436	8322	2114	1566	589	977	846	98	21-Apr	2777
Hawaii	25-Mar	19-Mar	17-Mar	Not impleme	25-Apr	26	1070	956	114	160	45	115	86	11	22-Apr	390
Idaho	Not impleme	Not impleme	Not impleme	Not impleme	25-Apr	26	1206	1718	0	181	151	30	98	12	22-Apr	84
Illinois	21-Mar	17-Mar	21-Mar	Not impleme	16-Apr	17	8855	14552	0	1335	1131	204	721	88	16-Apr	2454
Indiana	25-Mar	19-Mar	16-Mar	Not impleme	14-Apr	15	10458	8485	1973	1582	706	876	854	110	14-Apr	2440
Lowa	Not impleme	Not impleme	17-Mar	Not impleme	24-Apr	25	2250	4297	0	341	246	95	184	24	23-Apr	742
Kansas	Not impleme	17-Mar	Not impleme	Not impleme	24-Apr	25	2036	4810	0	310	278	32	167	21	23-Apr	669
Kentucky	Not impleme	12-Mar	16-Mar	Not impleme	5-May	36	1172	6210	0	175	448	0	95	11	29-Apr	585
Louisiana	23-Mar	16-Mar	17-Mar	Not impleme	8-Apr	9	9217	7204	2013	1436	477	959	775	97	9-Apr	2081
Maine	Not impleme	15-Mar	18-Mar	Not impleme	24-Apr	25	1086	1061	25	164	64	100	88	11	21-Apr	334
Maryland	Not impleme	16-Mar	23-Mar	Not impleme	30-Apr	31	0	3961	0	0	266	0	0	11	21-Apr	
Masschusett	Not impleme	17-Mar	24-Mar	Not impleme	14-Apr	15	7503	4848	2655	1171	277	894	937	81	16-Apr	1782
Michigan	24-Mar	16-Mar	23-Mar	Not impleme	10-Apr	11	13944	10154	3790	2162	742	1420	1730	158	11-Apr	2862
Minnesota	27-Mar	18-Mar	Not impleme	Not impleme	21-Apr	22	6863	4983	1880	1049	355	694	839	70	21-Apr	2146
Mississippi	Not impleme	19-Mar	Not impleme	Not impleme	22-Apr	23	8984	5733	3251	1356	340	1016	1085	92	23-Apr	2292
Missouri	Not impleme	23-Mar	Not impleme	Not impleme	11-May	42	2055	7933	0	308	558	0	247	20	8-May	1055


Daily death at peak
0 100 200 300 400 500 600 700 800 900
New York 798
Michigan 158
California 148
Indiana 110
New Jersy 104
Texas 102
Georgia 98
Louisiana 97
Mississippi 92
Illinois 88
Masschusetts 81
Minnesota 70
Pennsylvania 67
Arizona 58
Florida 56
North carolina 56
Oklahoma 52
Ohio 39
Alabama 37
Wisconsin 37
Connecticut 36
Tennessee 35
Virginia 35
South Carolina 32
Washington 29
Lowa 24
Arkansas 22
Colorado 21
Kansas 21
Missouri 20
Nevada 19
West Virginia 17
New Mexico 16
Utah 16
Nebraska 13
Idaho 12
Hawaii 11
Kentucky 11
Maine 11
Maryland 11
New hampshire 11
Oregon 10
Rhode Island 10
Montana 9
Delaware 7
South Dakota 6
Alaska 5
North Dakota 5
District of Colombia 4
Wyoming 4
Vermont 3


Total COVID-19 deaths projected to August 4
0 2000 4000 6000 8000 10000 12000 14000 16000 18000
New York 15546
Florida 6766
California 4306
Texas 4150
Michigan 2862
Georgia 2777
Illinois 2454
Indiana 2440
Mississippi 2292
Colorado 2151
Minnesota 2146
New Jersy 2096
Louisiana 2081
Virginia 2053
Masschusetts 1782
Alabama 1732
North carolina 1721
Washington 1670
Arizona 1613
Pennsylvania 1579
Wisconsin 1309
Ohio 1203
Oklahoma 1149
Tennessee 1067
Missouri 1055
South Carolina 1043
Delaware 827
Arkansas 762
Lowa 742
Kansas 669
Kentucky 585
Nevada 568
West Virginia 543
New Mexico 514
Utah 502
Oregon 469
Nebraska 424
Hawaii 390
Connecticut 378
New hampshire 351
Maine 334
Rhode Island 306
Montana 282
South Dakota 204
North Dakota 171
District of Colombia 132
Wyoming 132
Alaska 129
Vermont 95
Idaho 84

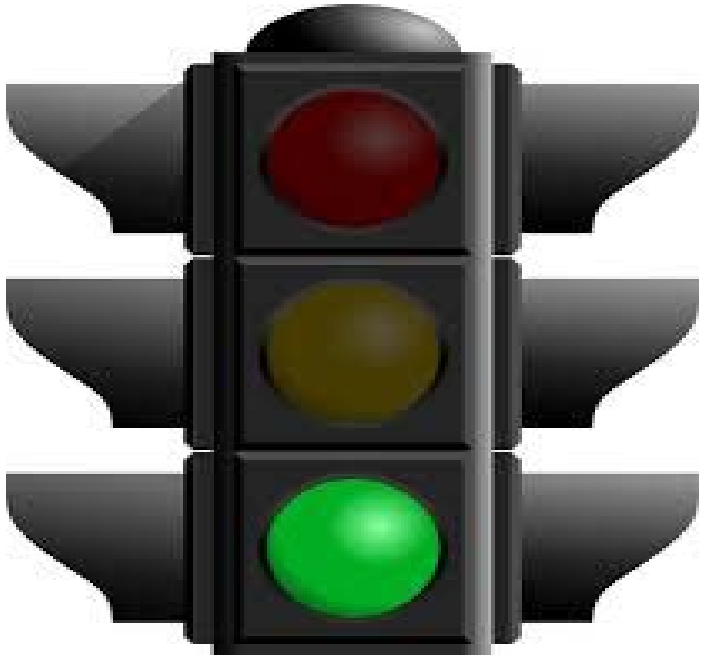

Excess hospital beds
0
5000
10000
15000
20000
Texas 17677
Florida 14608
California 11412
Ohio 10436
Pennsylvania 8213
Missouri 5878
Illinois 5697
Kentucky 5038
Tennessee 4318
Maryland 3961
Virginia 2885
Arkansas 2822
Kansas 2774
Colorado 2591
Alabama 2115
Lowa 2047
Washington 1877
Nebraska 1852
Oregon 1673
Wisconsin 1606
South Carolina 1439
West Virginia 1367
South Dakota 1194
Utah 1165
North Dakota 1038
Montana 792
District of Colombia 685
Arizona 675
Wyoming 649
Oklahoma 578
Idaho 512
Nevada 306
Vermont 203
New Mexico 164
Alaska 158


Excess ICU beds
0
200
400
600
800
1000
Florida 859
Ohio 653
Texas 619
Kentucky 273
Maryland 266
Missouri 250
Colorado 217
Tennessee 104
Pennsylvania 94
Arkansas 66
Rhode Island 65
Oregon 63
Nebraska 37
North Dakota 10
District of Colombia 4


Sharing resources
140000
120000
100000
80000
60000
40000
20000
0
120405
61509
3580
15103
Hospital beds
ICU beds
Relocated
Needed

THE BLOOD CENTER
Serving you for life!

The State of the Blood Supply



Did You Know?

About 40% of the population can donate, only about 5% actually do.

- **The Blood Center** supplies Southeastern Louisiana and the Mississippi Gulf Coast www.thebloodcenter.org
- Current inventory levels are at a three day supply and adequate to meet ***current*** patient demands and any potential short term surge in usage.
- Current blood collections are keeping pace with demand – based on ***current*** trends – *but this must be replenished daily as it is the blood on the shelf that saves a life*

Ask yourself if you're feeling healthy... Good! continue on.

- **Schedule a blood donation**. Blood already on the shelves saves lives, and maintaining a sufficient blood supply is essential to ensure patients in need receive optimal treatment.
- **Begin the health screening** via FastLane *on the day of your donation* BEFORE you enter a donor center or mobile blood drive
- **Eat a good meal and don't forget your ID**
- **Arrive as close to your appointment time as possible** to reduce your wait and follow the social distancing measures suggested by the CDC
- After your donation, **consider sharing with friends and family** what you did on social media. It's good, positive, and you may encourage someone else into donating

The Blood Center would like to emphasize that sanitation, cleanliness, and safety for our donors, patients, and staff has always been #1. Every day, as a part of our regular operations, our donor centers follow appropriate infection control standards put forth by the U.S. Food and Drug Administration (FDA)