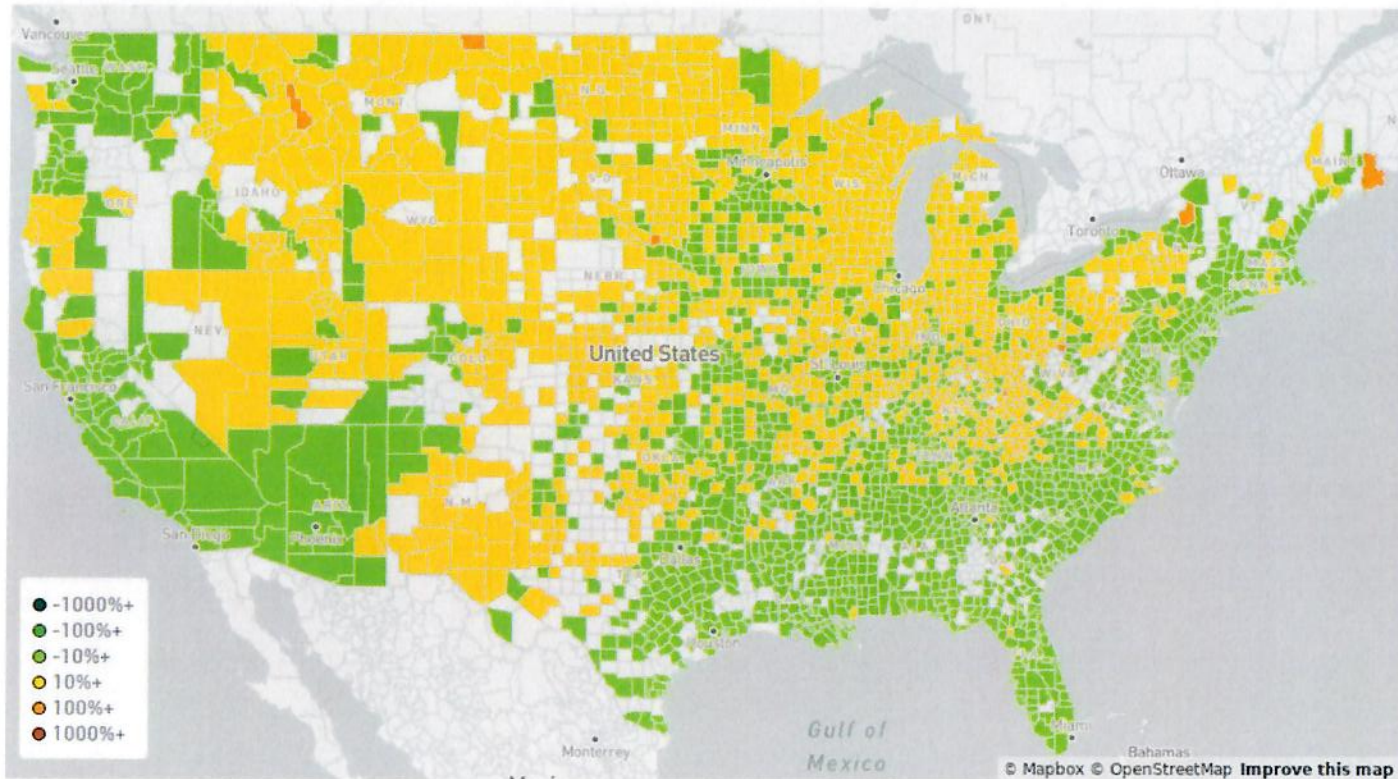# Daily Summary Report (Hospitalizations, Cases, Testing)

27 October 2020

National Overview
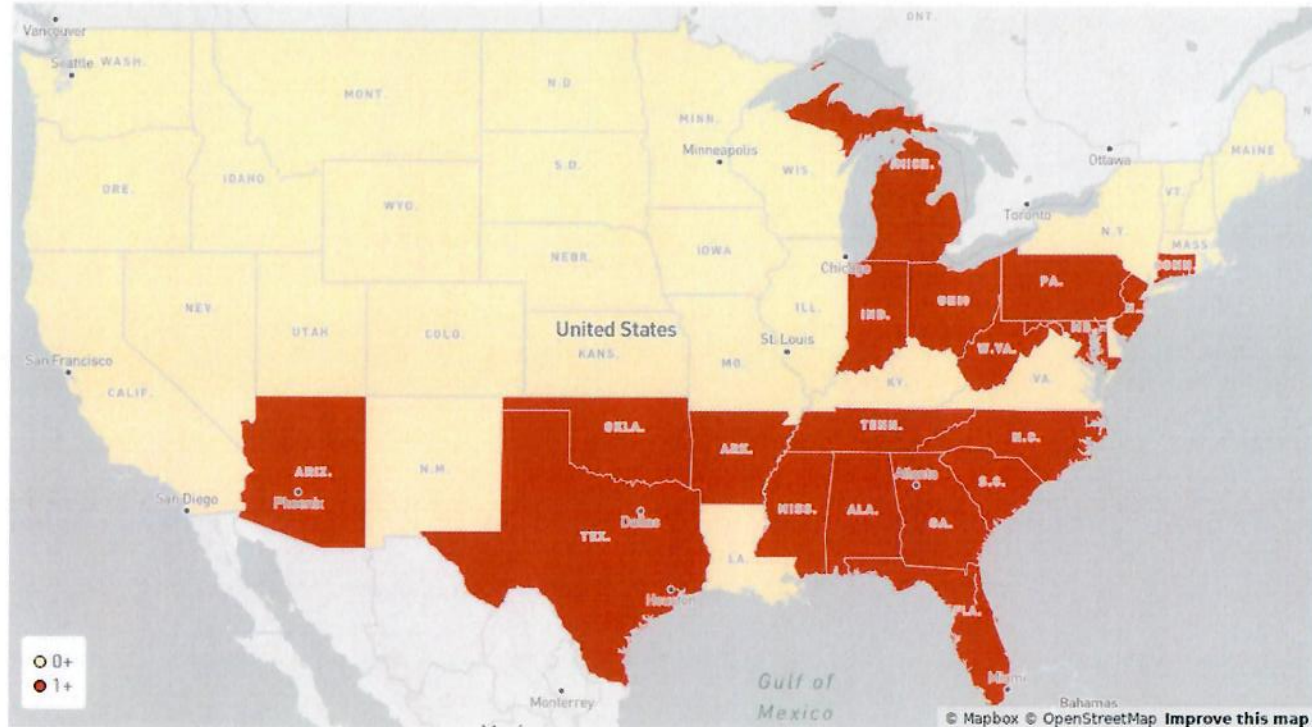
Weekly Percent Change in Cases

Cases Date: Oct 26, 2020

Legend:
- -1000%+
- -100%+
- -10%+
- 10%+
- 100%+
- 1000%+

© Mapbox © OpenStreetMap **Improve this map**

Kinsa Outbreak Detection, Red Indicates an Outbreak Prediction
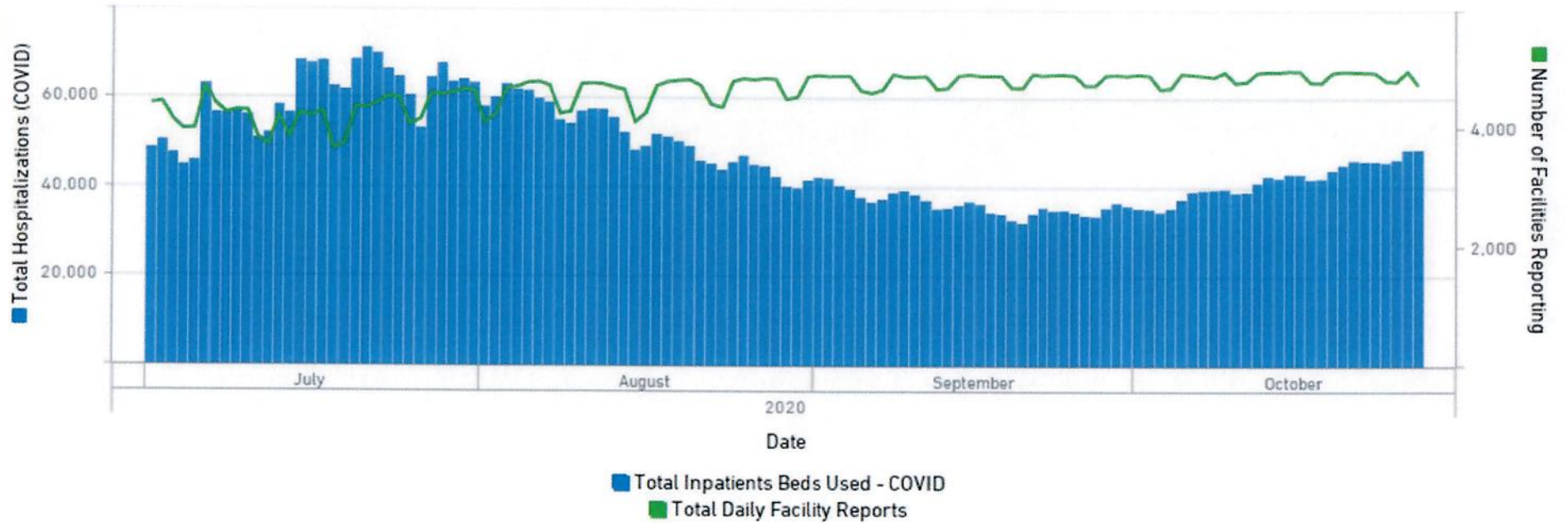
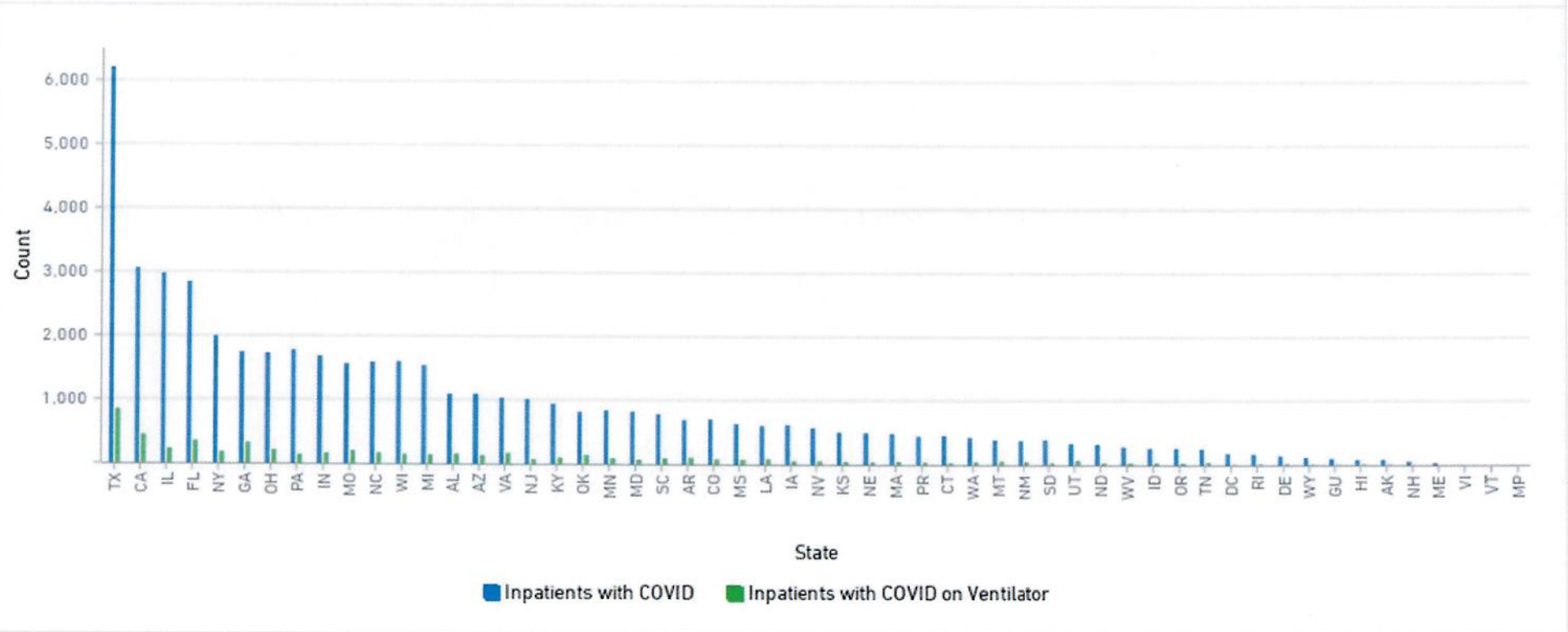Kinsa Outbreak Data: 10/27/20 3:00 AM

DATA PROVIDED BY KINSA INSIGHTS.

Note: "Kinsa predicts COVID-19 case growth based on several indicators, including data from Kinsa's network of more than 1.5 million smart thermometers and accompanying mobile applications, as well as publicly available COVID-19 case data from the COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University."
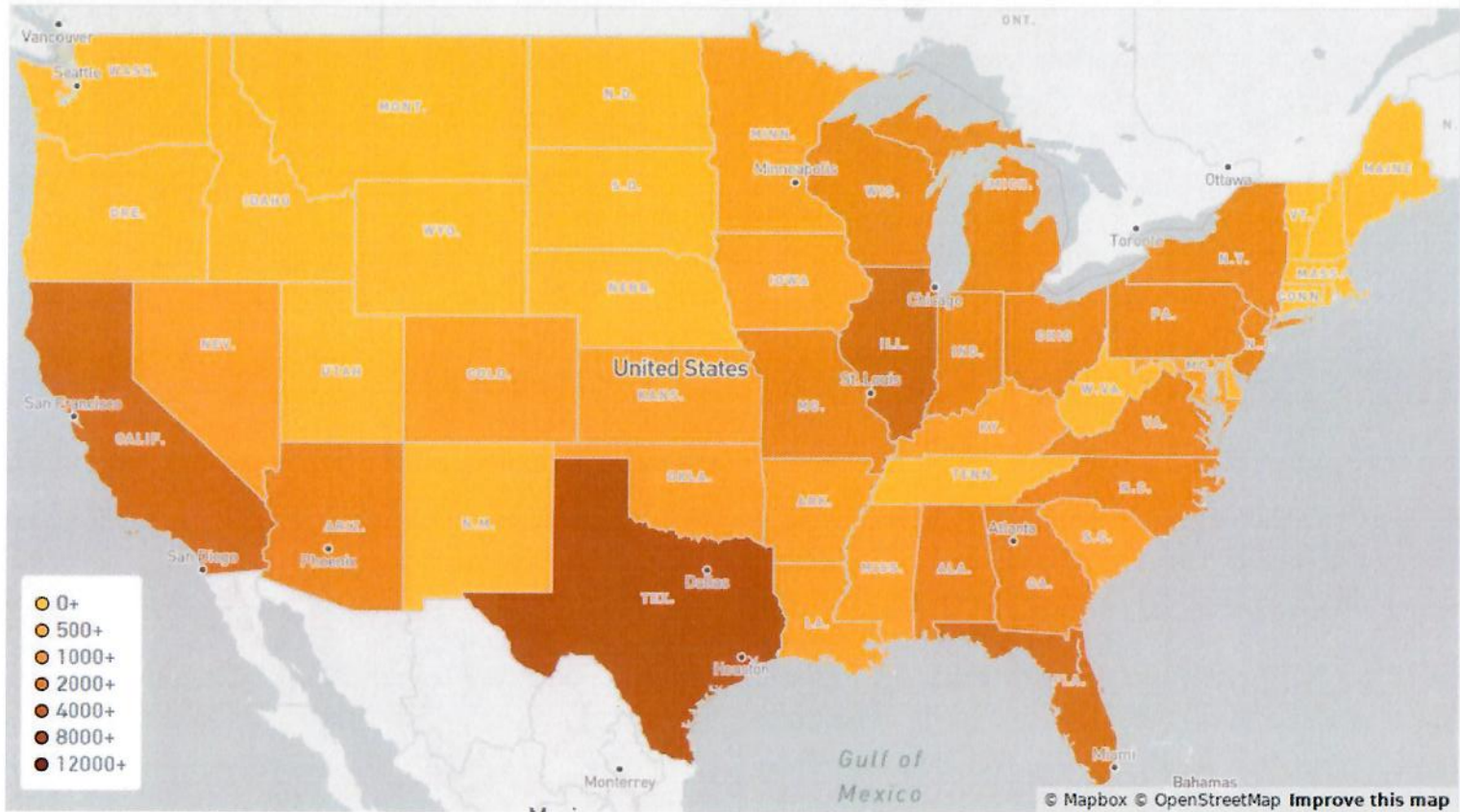
Hospitalizations by Day (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM, Max Date: Oct 27, 2020

Hospitalization Numbers by State (Priority Facilities Only)

Count

6,000
5,000
4,000
3,000
2,000
1,000

State: TX, CA, IL, FL, NY, GA, OH, PA, IN, MO, NC, WI, MI, AL, AZ, VA, NJ, KY, OK, MN, MD, SC, AR, CO, MS, LA, IA, NV, KS, NE, MA, PR, CT, WA, MT, NM, SD, UT, ND, WV, ID, OR, TN, DC, RI, DE, WY, GU, HI, AK, NH, ME, VI, VT, MP

State

■ Inpatients with COVID   ■ Inpatients with COVID on Ventilator

Latest COVID Inpatients Nationwide (Priority Facilities Only)

Legend:
- 0+
- 500+
- 1000+
- 2000+
- 4000+
- 8000+
- 12000+

© Mapbox © OpenStreetMap **Improve this map**

Composition of Unified Hospital Dataset (Deduplicated Across Sources, All Facilities)

Min Date: 7/1/20 1:00 AM, Max Date: Oct 27, 2020

Source: NHSN | State Reporting | Teletracking | va
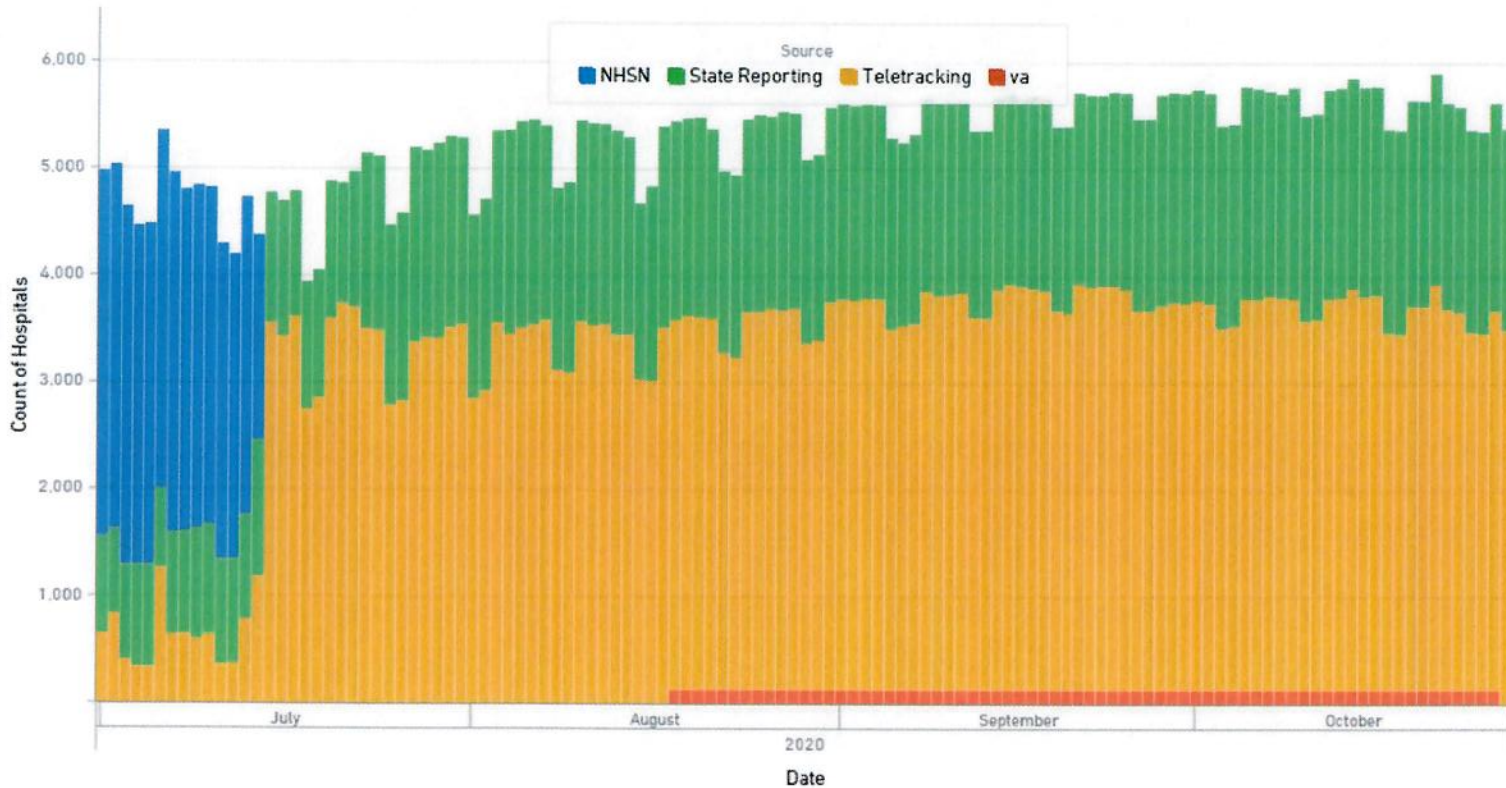
Composition of Unified Hospital Dataset (Deduplicated Across Sources) – All Facilities: The unified hospital dataset is composed of reports from across all hospital sources. Deduplication is applied to prioritized specific sources at a state-by-state basis. Numbers in the above graph do not reflect number of reports per source, but instead reflect the number of reports in the unified hospital dataset.

Composition of Unified Hospital Dataset (Deduplicated Across Sources, Priority Facilities Only)
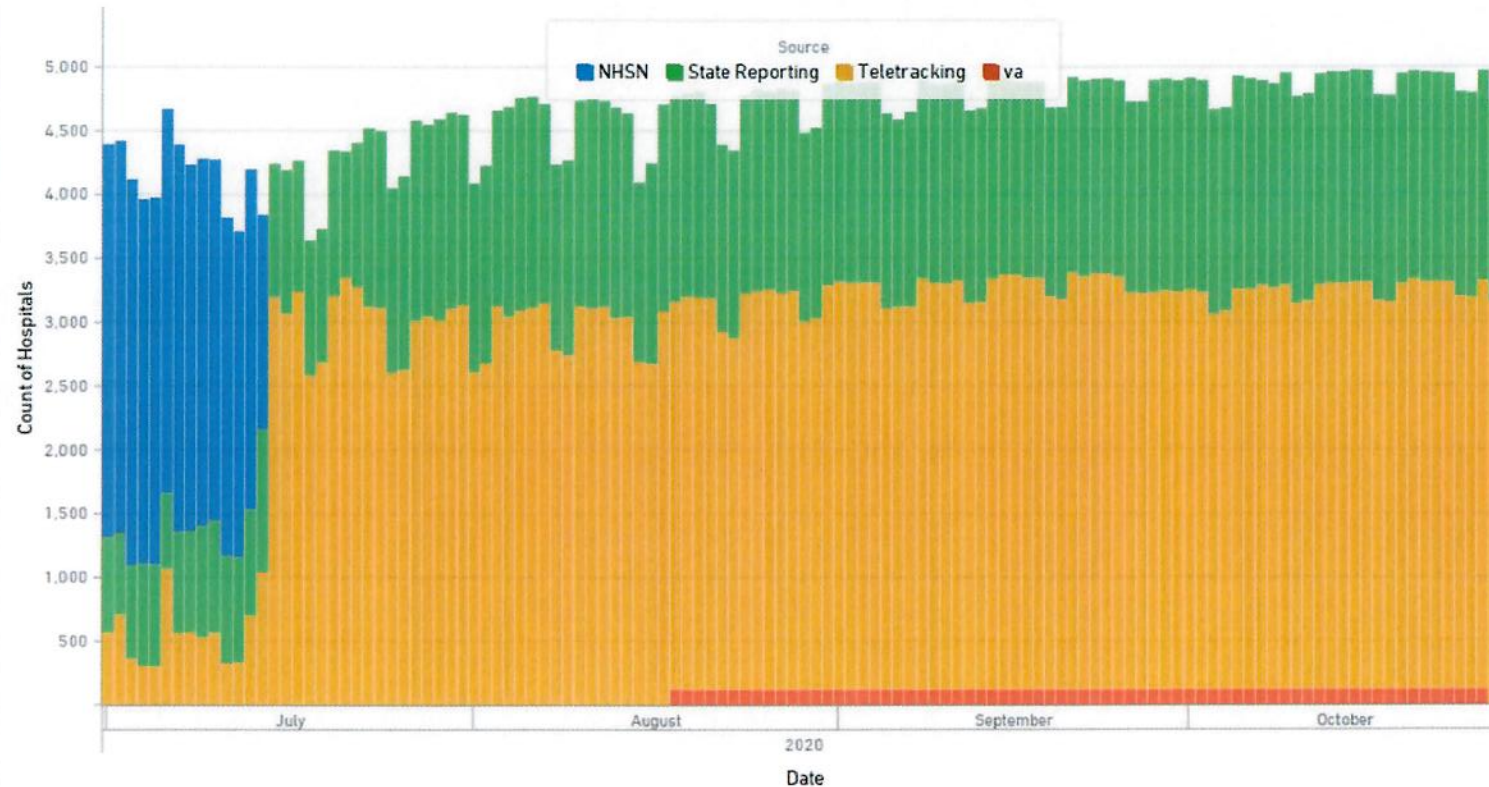
Min Date: 7/1/20 1:00 AM, Max Date: Oct 27, 2020

Composition of Unified Hospital Dataset (Deduplicated Across Sources) - Priority Facilities: The unified hospital dataset is composed of reports from across all hospital sources. Deduplication is applied to prioritized specific sources at a state-by-state basis. Numbers in the above graph do not reflect number of reports per source, but instead reflect the number of reports from priority facilities in the unified hospital dataset.

Key Patient Impact and Hospital Capacity Percentages (Priority Facilities Only)

Selected Date: Oct 27, 2020, Min Date: 7/1/20 1:00 AM
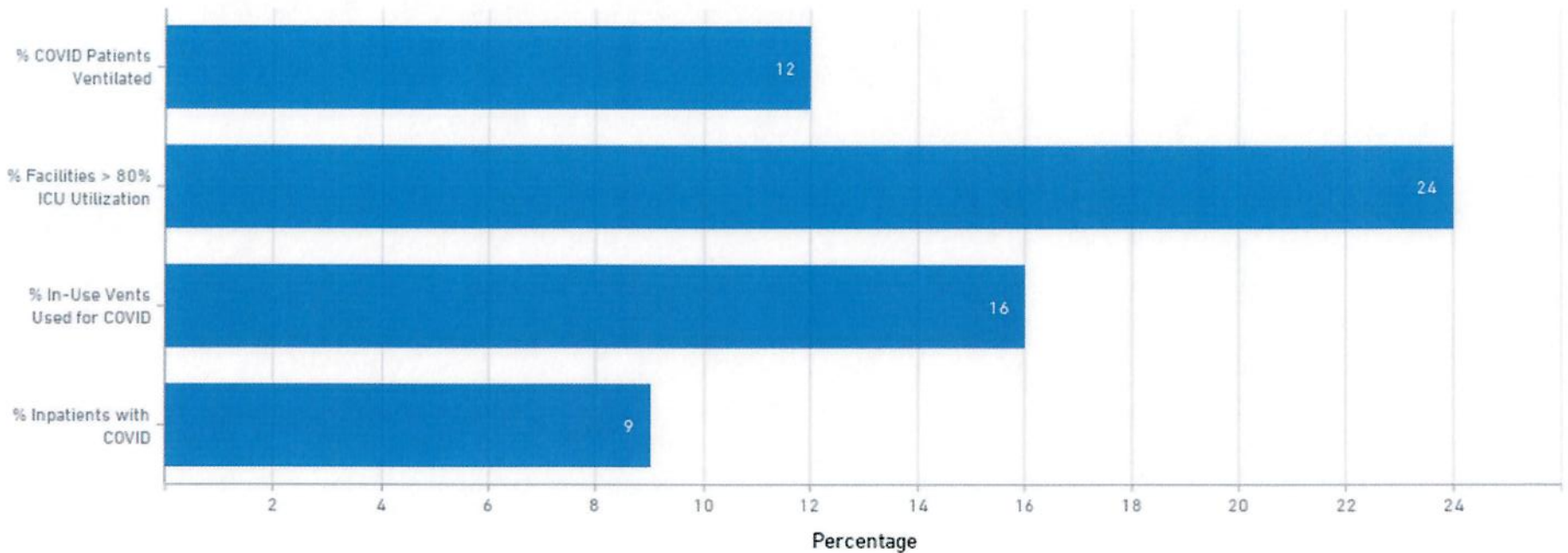
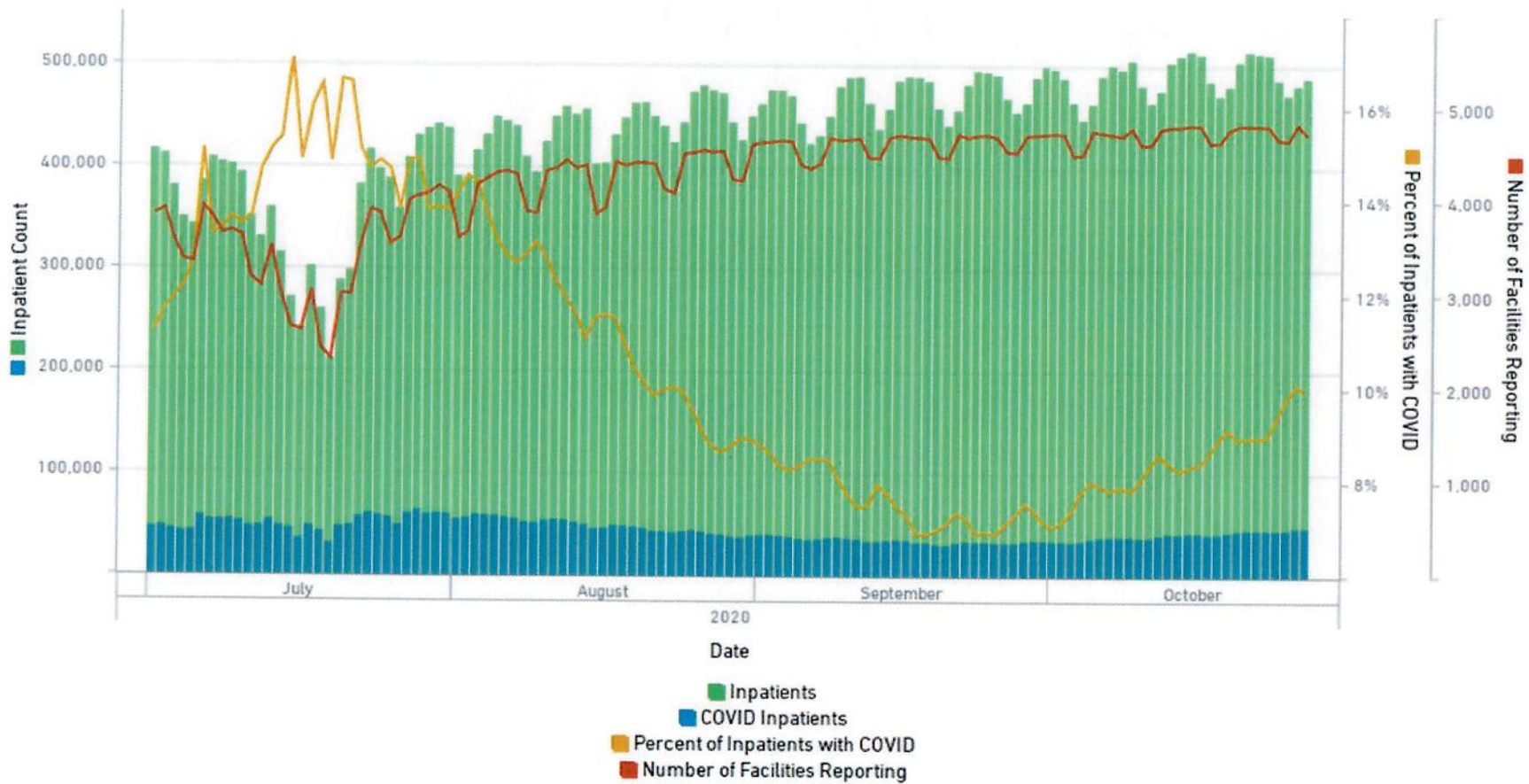% COVID Patients Ventilated = Percentage of COVID patients on a ventilator

% Facilities > 80% ICU Utilization = Percentage of facilities utilizing over 80% of ICU capacity

% In-Use Vents Used for COVID = Percentage of in-use ventilators used by COVID patients

% Inpatients with COVID = Percentage of inpatients with COVID
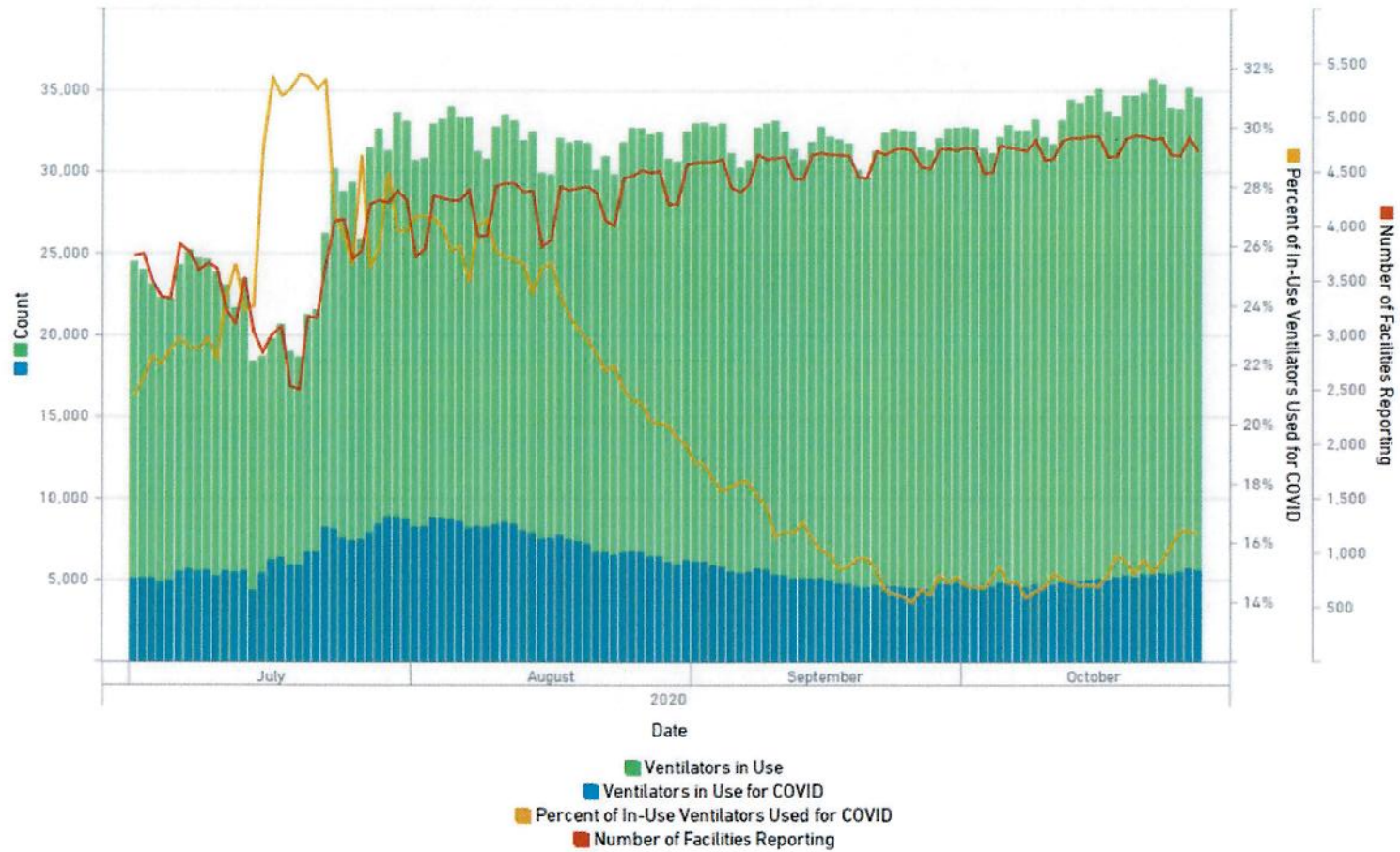
Percent of Inpatients with COVID (Priority Facilities Only)

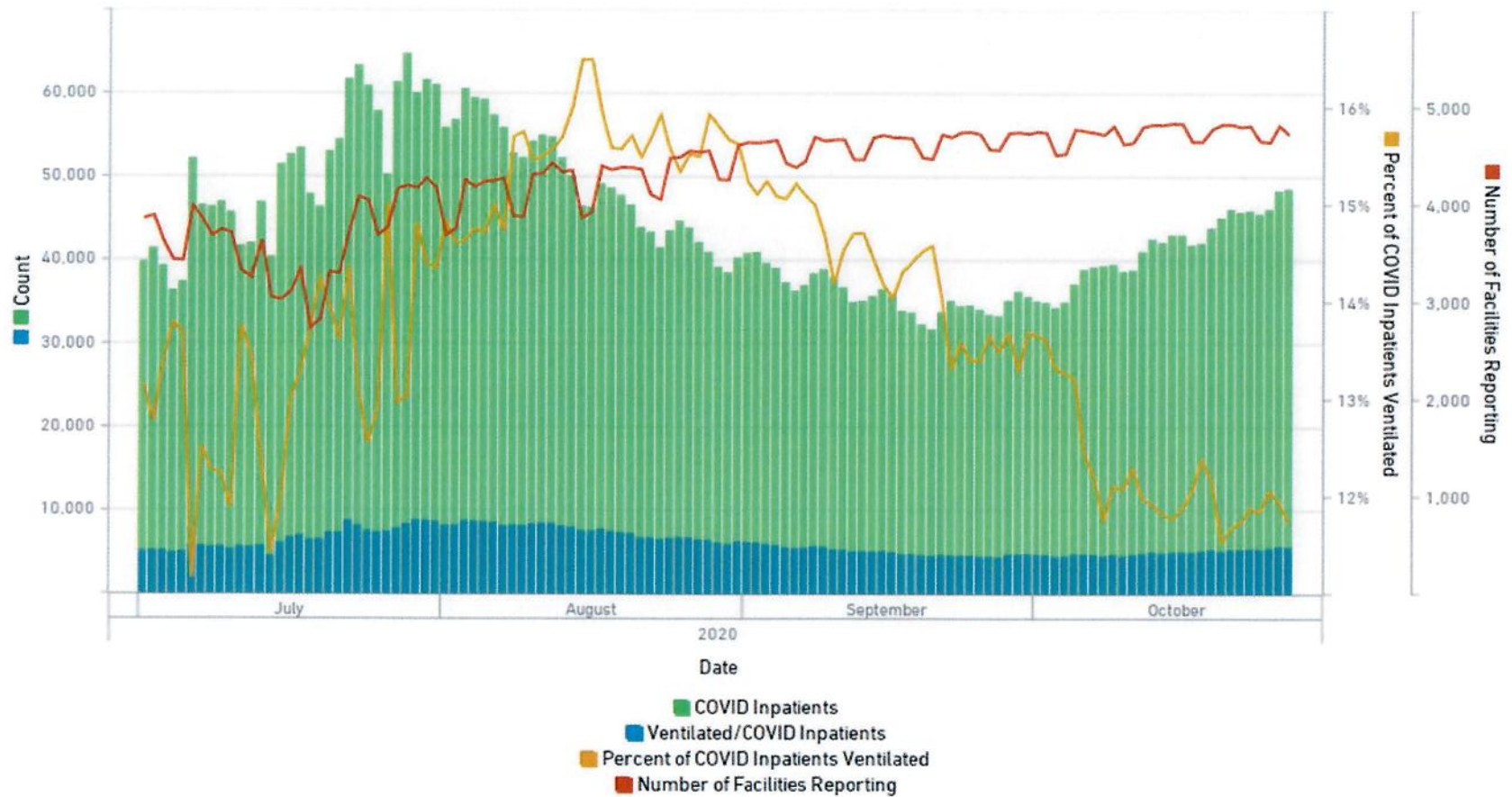Min Date: 7/1/20 1:00 AM, Max Date: Oct 27, 2020

Date

2020

- Inpatients
- COVID Inpatients
- Percent of Inpatients with COVID
- Number of Facilities Reporting

Percent of In-Use Ventilators Used for COVID (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM, Max Date: Oct 27, 2020

Legend:
- Ventilators in Use
- Ventilators in Use for COVID
- Percent of In-Use Ventilators Used for COVID
- Number of Facilities Reporting

X-axis: Date (July, August, September, October) 2020

Left Y-axis: Count (5,000 to 35,000)
Right Y-axis: Percent of In-Use Ventilators Used for COVID (14% to 32%)
Far right Y-axis: Number of Facilities Reporting (500 to 5,500)

Percent of COVID Inpatients Ventilated (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM, Max Date: Oct 27, 2020

COVID Inpatients
Ventilated/COVID Inpatients
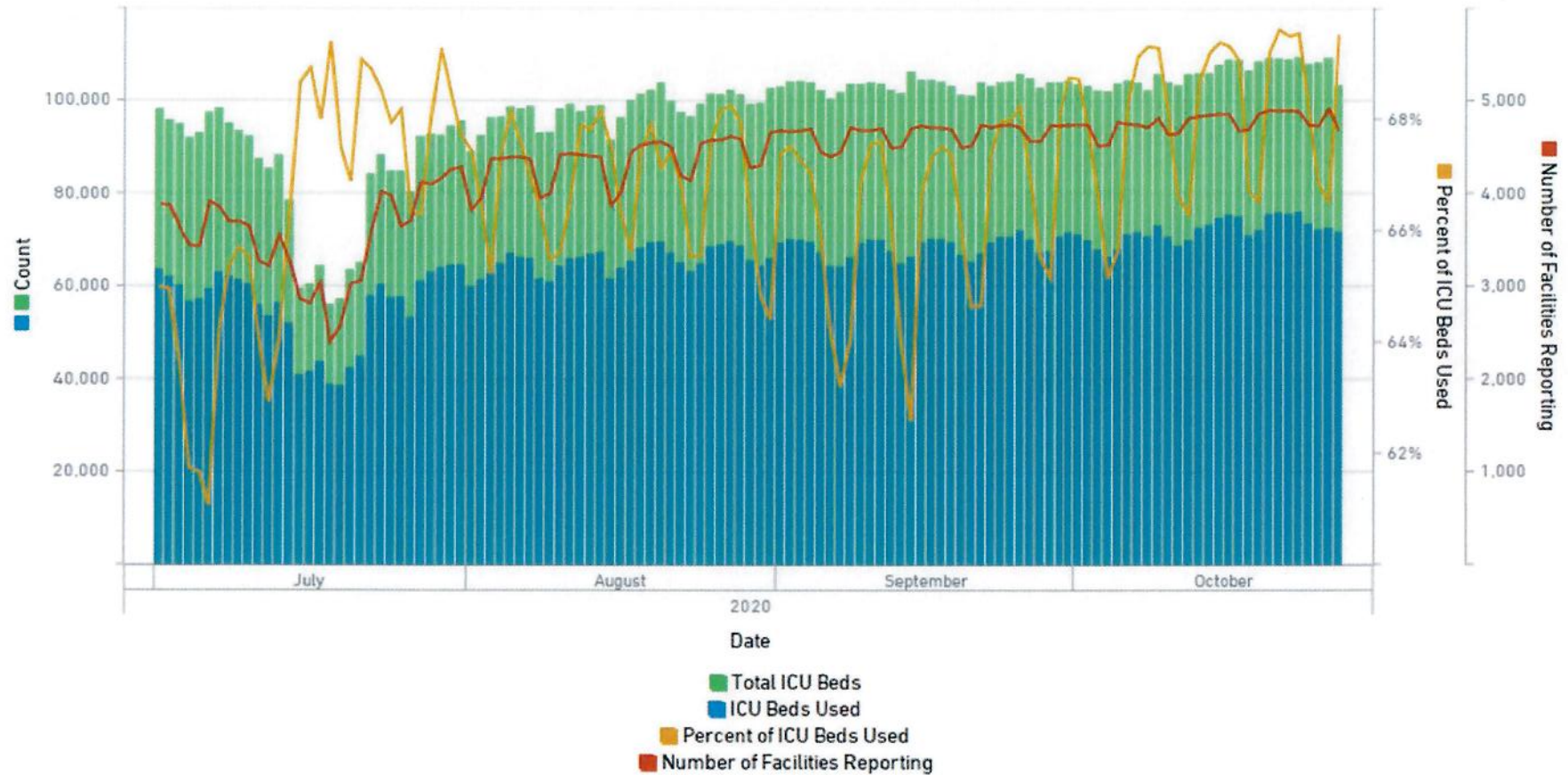**Percent of COVID Inpatients Ventilated**
Number of Facilities Reporting

Percent of Facilities with >80% ICU Utilization (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM, Max Date: Oct 27, 2020

Date

2020

Legend:
- Number of Facilities
- Number of Facilities with >80% ICU Utilization
- Percent of Facilities with >80% ICU Utilization
- Number of Facilities Reporting
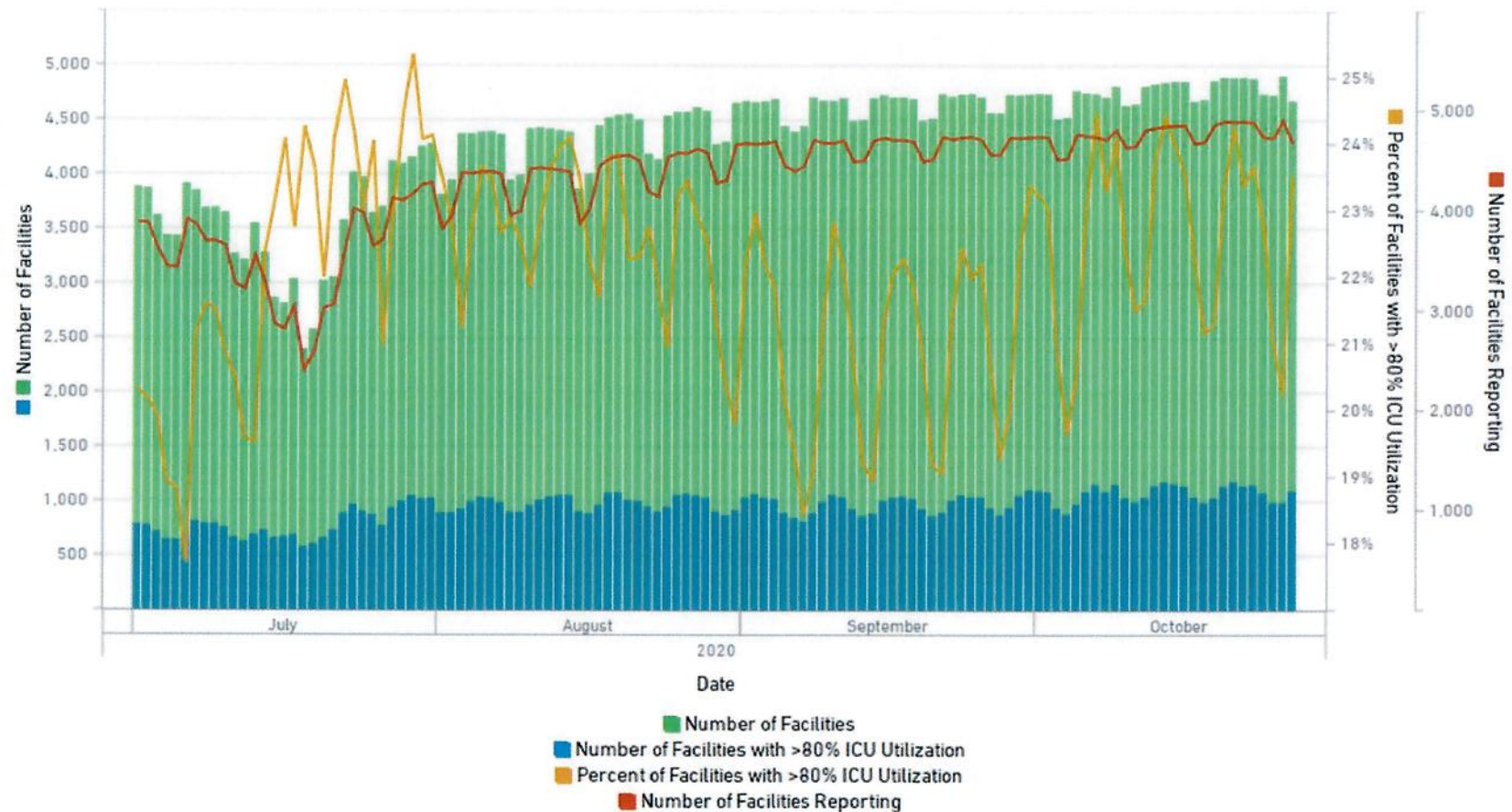
Percent of ICU Beds Used (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM, Max Date: Oct 27, 2020

Legend:
- Total ICU Beds
- ICU Beds Used
- Percent of ICU Beds Used
- Number of Facilities Reporting

Y-axis (left): Count (20,000 – 100,000)
Y-axis (right): Percent of ICU Beds Used (62% – 68%); Number of Facilities Reporting (1,000 – 5,000)
X-axis: Date — 2020 (July, August, September, October)

Estimates – Executive Summary

Understanding Hospital Utilization Relies on Hospital Reported Data

- Understanding how the nation's hospitals are being utilized is critical to being able to provide support at a national, state, and local level.

- This understanding depends on daily reporting for more than 5,000 hospitals across the nation.

- As with any manually reported data, the quality varies, and provides many challenges to understanding the status of the nation's hospital system.

- This analysis depends on the data reported by hospitals. To the extent that the data is missing or inaccurate, this analysis will also reflect those issues.

Executive Summary

Hospital Capacity

**What is US current hospital capacity?**

- The current nationwide Estimated Inpatient Bed Occupancy is 67.2%, which is a 0.9% decrease from the 28-day average.
- The current nationwide Est. Staffed Adult ICU Bed Occupancy is 70.3%, which is a 0.1% decrease from the 28-day average.
- The current nationwide Estimated Ventilator Usage is 24.4%, which is a 1.1% increase from the 28-day average.
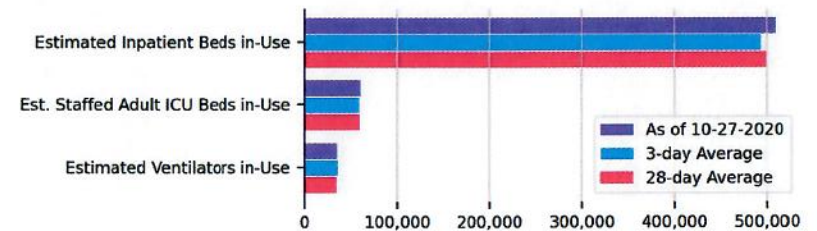
COVID Pandemic

How is the disease progressing over time, as viewed through the hospitalizations lens?

- The current nationwide Estimated Inpatient Beds COVID Occupancy is 6.6%, which is a 15.9% increase from the 28-day average.
- The current nationwide Est. Staffed Adult ICU Beds COVID Occupancy is 14.6%, which is a 14.1% increase from the 28-day average.
- The current nationwide Estimated Ventilator COVID Usage is 4.1%, which is a 15.2% increase from the 28-day average.
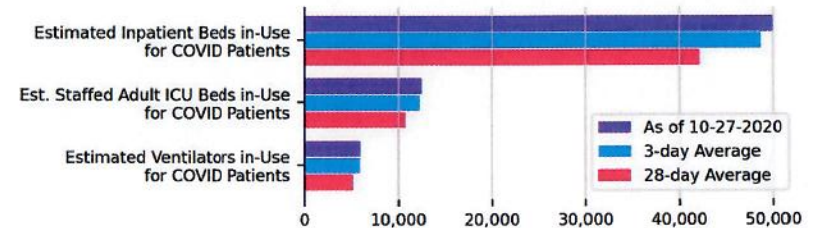
Hotspots and focus areas

Which States have the highest hospital utilization?

- Rhode Island has the highest Estimated 3-day average Estimated Inpatient Bed Utilization at 85.6%
- Mississippi has the highest Estimated 3-day average Est. Staffed Adult ICU Bed Utilization at 86.3%
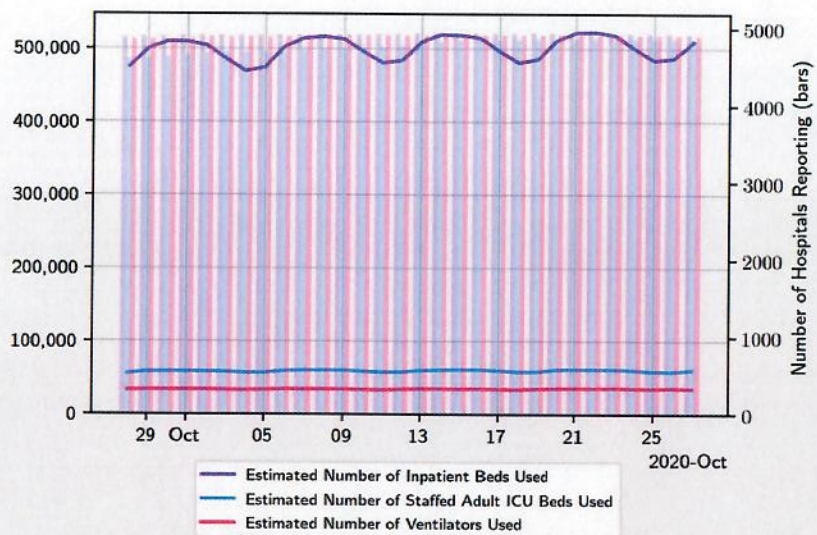- Alabama has the highest Estimated 3-day average Estimated Ventilator Utilization at 45.2%

Which Facilities have the highest utilization?

- SPECTRUM HEALTH - BUTTERWORTH CAMPUS, MI has the highest Estimated 3-day average Estimated Inpatient Bed Utilization at 93.7%
- TAMPA GENERAL HOSPITAL, FL has the highest Estimated 3-day average Est. Staffed Adult ICU Bed Utilization at 99.0%
- BARNES JEWISH HOSPITAL, MO has the highest Estimated 3-day average Estimated Ventilator Utilization at 65.6%
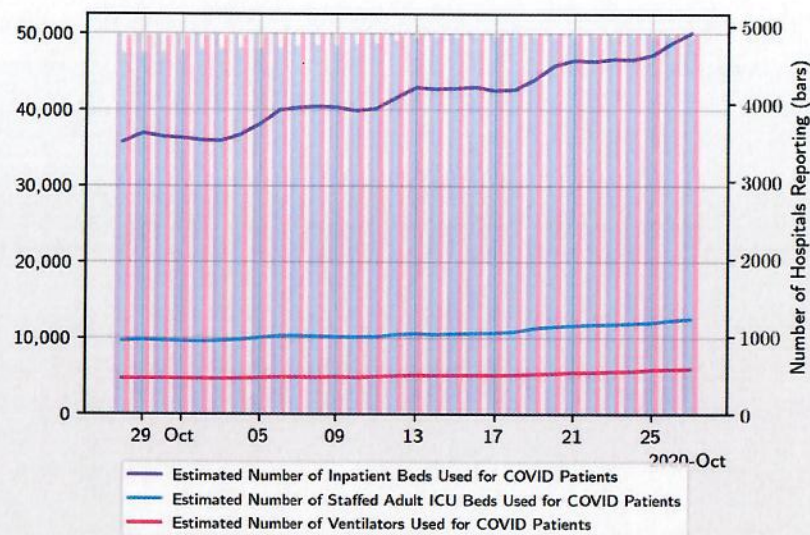
5

Estimated National Hospital Capacity (Absolute Numbers)

WHAT IS THE CURRENT ESTIMATED U.S. HOSPITAL CAPACITY?

Estimated Hospital Utilization (All Patients)

Legend:
- Estimated Number of Inpatient Beds Used
- Estimated Number of Staffed Adult ICU Beds Used
- Estimated Number of Ventilators Used

	Estimated Number of Inpatient Beds Used	Estimated Number of Staffed Adult ICU Beds Used	Estimated Number of Ventilators Used
3-day average	493,379	59,038	35,068
28-day average	501,104	59,179	34,266

Estimated Hospital Utilization (COVID Patients)

Legend:
- Estimated Number of Inpatient Beds Used for COVID Patients
- Estimated Number of Staffed Adult ICU Beds Used for COVID Patients
- Estimated Number of Ventilators Used for COVID Patients

	Estimated Number of Inpatient Beds Used for COVID Patients	Estimated Number of Staffed Adult ICU Beds Used for COVID Patients	Estimated Number of Ventilators Used for COVID Patients
3-day average	48,678	12,244	5,860
28-day average	42,160	10,709	5,103

7

Estimated Inpatient Bed Capacity

WHAT IS THE CURRENT ESTIMATED STATE-LEVEL INPATIENT BED CAPACITY?

Estimated Inpatient Bed Utilization
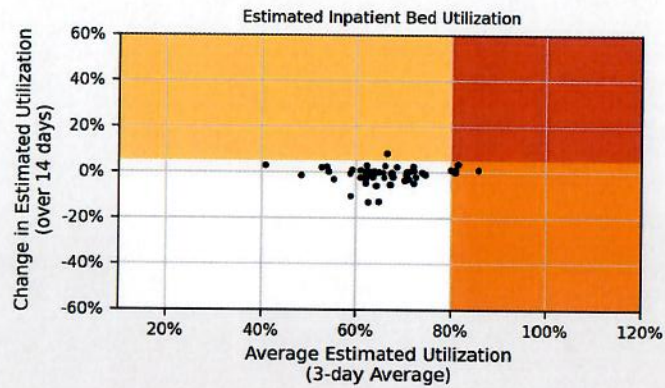
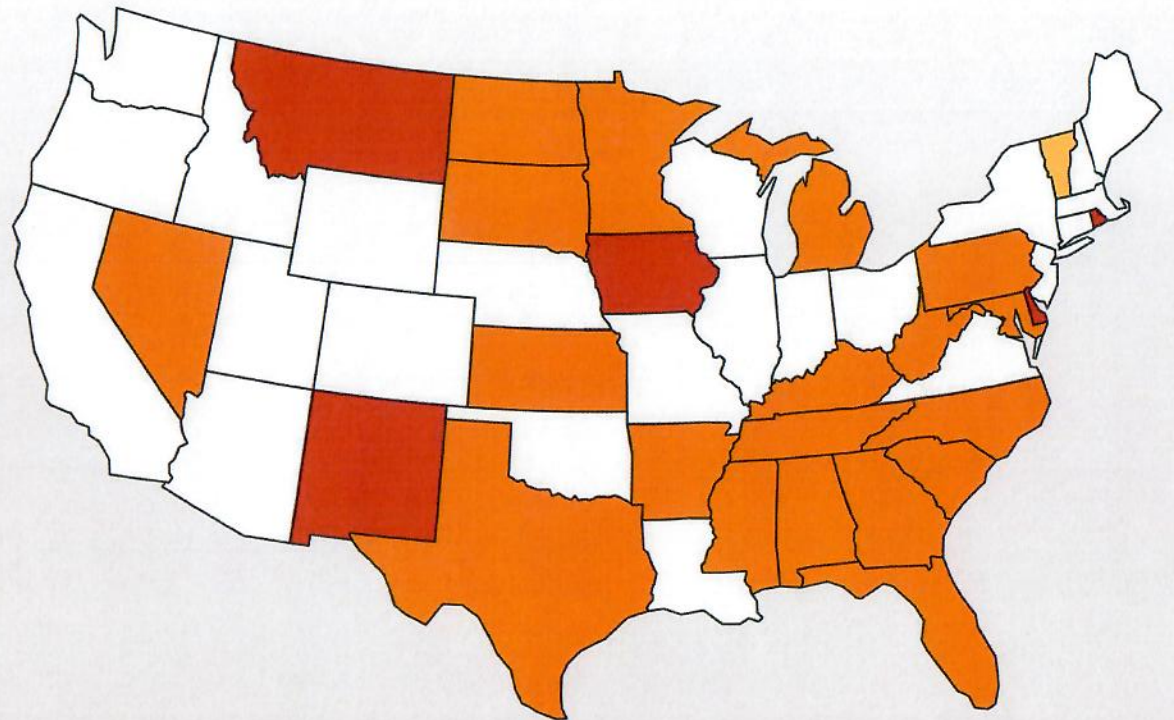|	3-Day Average	14-Day Change
RI	85.6%	1.0%
DC	81.3%	3.6%
GA	80.8%	1.0%
SC	80.8%	0.0%
SD	66.3%	8.2%
MD	79.8%	1.2%
NC	74.3%	-1.0%
MI	73.7%	-0.2%
ND	72.3%	-2.0%
PA	72.0%	0.7%
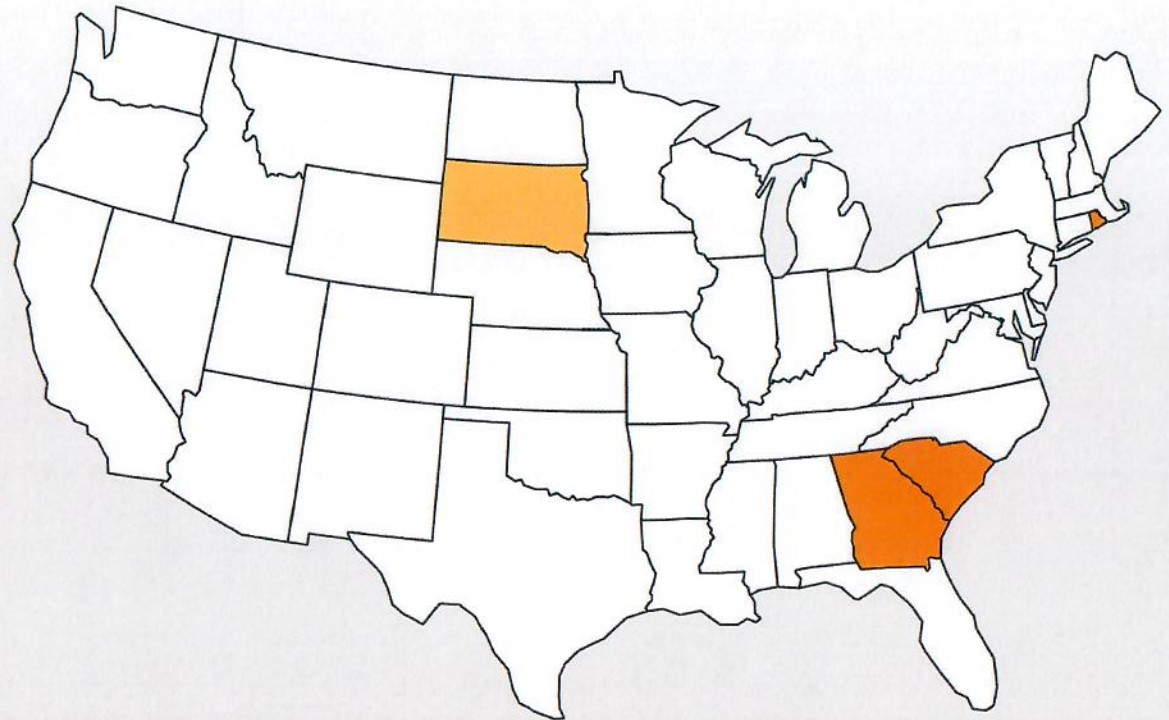
Rhode Island has the highest Estimated 3-day average Estimated Inpatient Bed Utilization at 85.6%

Est. Staffed Adult ICU Bed Capacity

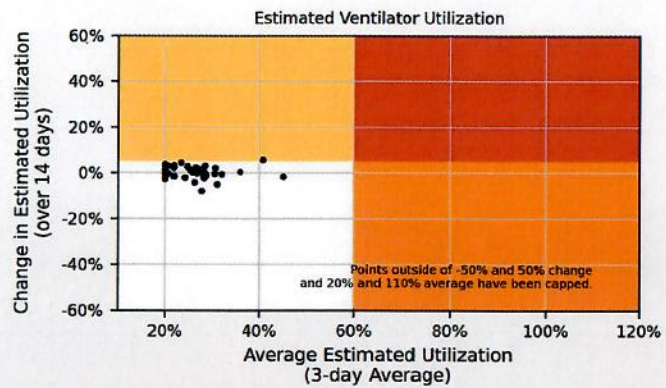WHAT IS THE CURRENT ESTIMATED STATE-LEVEL STAFFED ADULT ICU BED CAPACITY?
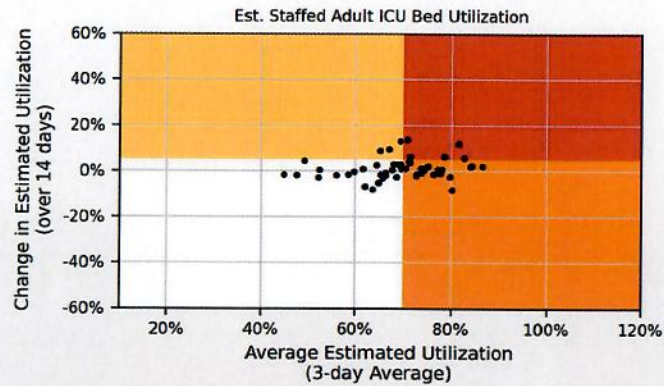
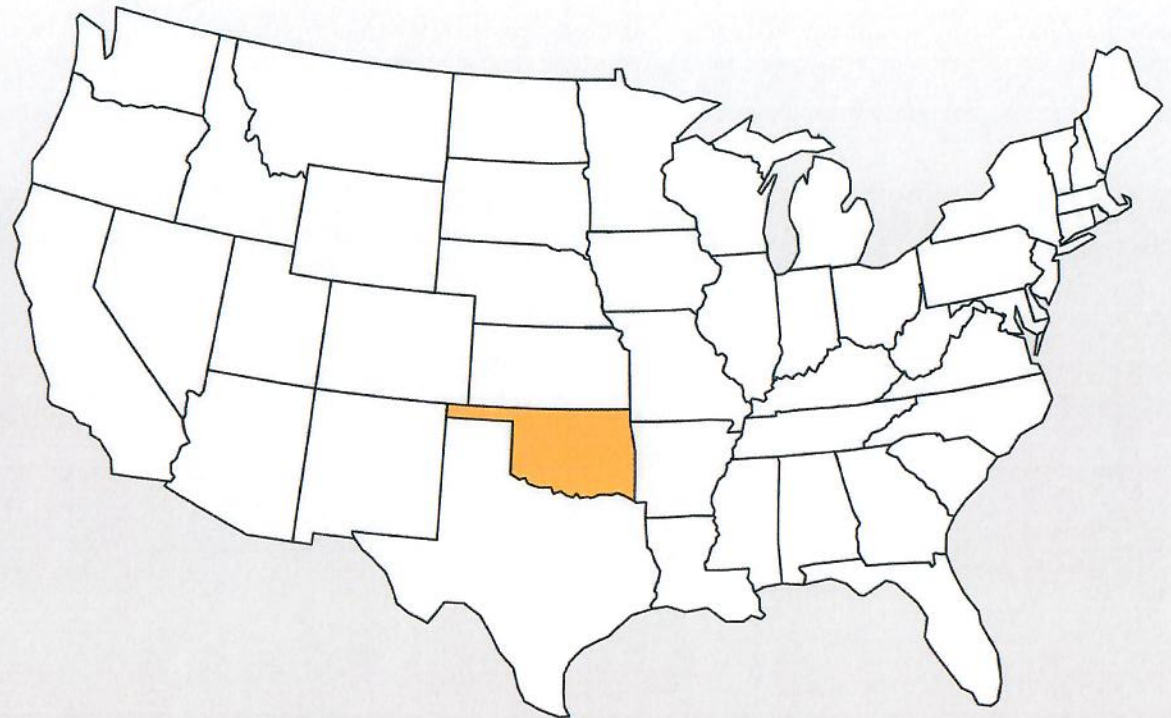|	3-Day Average	14-Day Change
MS	86.3%	2.1%
GA	84.1%	2.3%
AL	83.9%	1.9%
RI	82.5%	5.6%
NM	81.4%	12.0%
TX	80.1%	-8.3%
TN	79.6%	-2.4%
DE	78.6%	6.3%
SD	78.0%	0.6%
NC	77.8%	-1.1%

Mississippi has the highest Estimated 3-day average Est. Staffed Adult ICU Bed Utilization at 86.3%

12

Estimated Ventilator Capacity

Estimated Ventilator Utilization

Points outside of -50% and 50% change and 20% and 110% average have been capped.

	3-Day Average	14-Day Change
OK	40.8%	5.8%
AL	45.2%	-1.5%
DC	35.7%	0.6%
MO	32.0%	-0.6%
AR	31.0%	-5.0%
MS	30.6%	2.2%
GA	30.5%	-0.5%
PR	28.7%	-0.9%
SD	28.5%	3.3%
TX	28.3%	-2.3%

Alabama has the highest Estimated 3-day average Estimated Ventilator Utilization at 45.2%

14

Estimated Resource Utilization by MSA

WHAT IS THE CURRENT ESTIMATED HOSPITAL CAPACITY BY METROPOLITAN STATISTICAL AREA


Estimated Inpatient Bed Utilization

Est. Staffed Adult ICU Bed Utilization

Estimated Ventilator Utilization
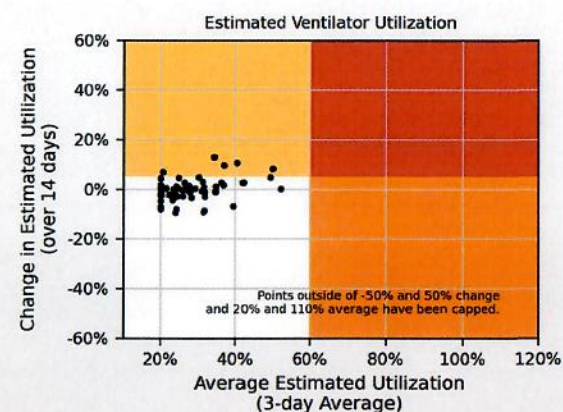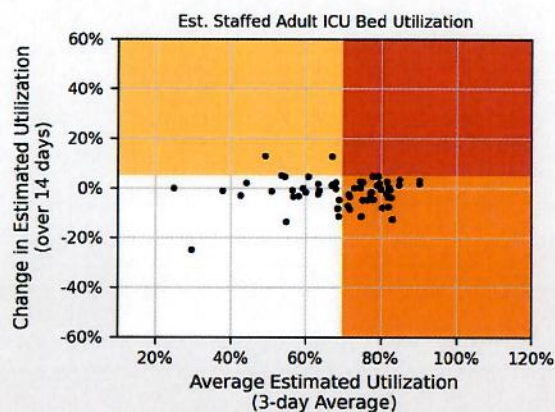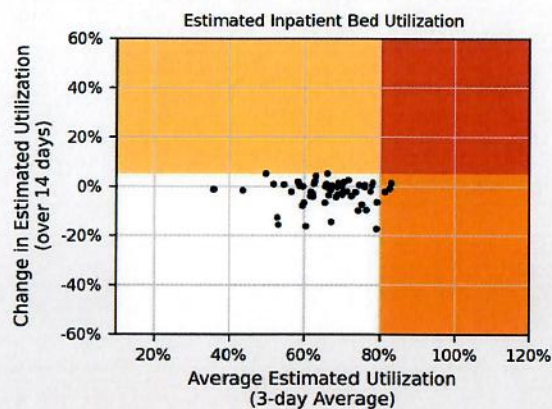
	3-Day Average	14-Day Change
Baltimore-Colum..., MD	82.9%	1.2%
Minneapolis-St....N-WI	82.6%	-0.9%
Atlanta-Sandy S..., GA	81.2%	-2.2%
North Port-Sara..., FL	66.2%	5.2%
Cape Coral-Fort..., FL	49.8%	5.1%
Dallas-Fort Wor..., TX	79.2%	-6.5%
Houston-The Woo..., TX	79.1%	-17.3%
Charlotte-Conco...C-SC	78.1%	1.5%
New Haven, CT	77.8%	0.3%
Columbus, OH	77.4%	-2.0%

	3-Day Average	14-Day Change
Birmingham-Hoov..., AL	90.2%	3.1%
Minneapolis-St....N-WI	90.2%	1.9%
Atlanta-Sandy S..., GA	84.8%	3.4%
Charlotte-Conco...C-SC	84.7%	1.2%
Houston-The Woo..., TX	82.9%	-12.6%
Richmond, VA	82.5%	-3.8%
Little Rock-Nor..., AR	82.2%	-0.6%
Columbus, OH	82.1%	0.4%
Tulsa, OK	81.9%	-3.6%
Dallas-Fort Wor..., TX	81.9%	-7.4%

	3-Day Average	14-Day Change
Tulsa, OK	49.9%	8.2%
Rochester, NY	40.5%	10.6%
Omaha-Council B...E-IA	37.0%	9.6%
Virginia Beach-...A-NC	34.4%	13.0%
New Orleans-Met..., LA	20.8%	7.0%
Birmingham-Hoov..., AL	52.0%	0.2%
Oklahoma City, OK	49.2%	4.9%
St. Louis, MO-IL	42.1%	2.6%
Little Rock-Nor..., AR	39.5%	-6.9%
Atlanta-Sandy S..., GA	36.9%	1.7%

16

Estimated Resource Utilization by Facility

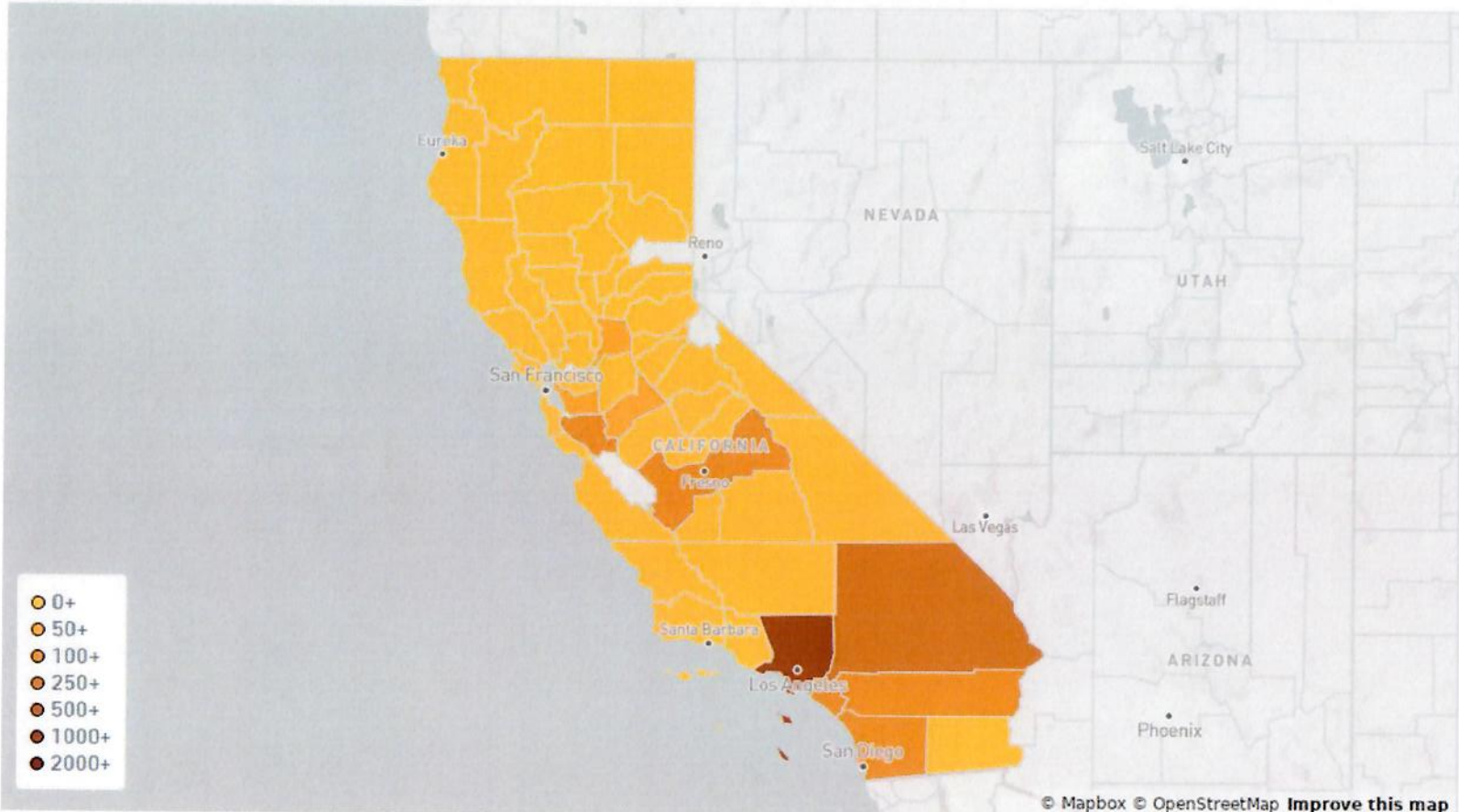WHAT IS THE CURRENT ESTIMATED HOSPITAL UTILIZATION BY FACILITY
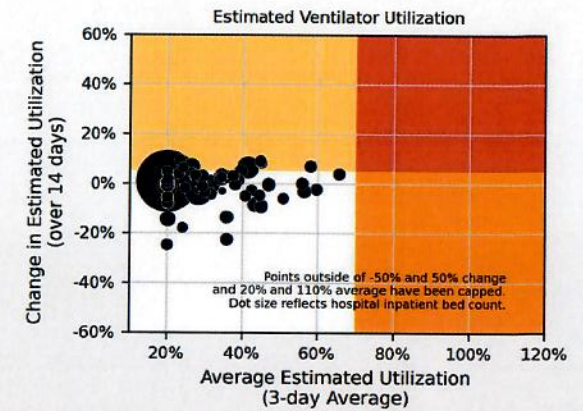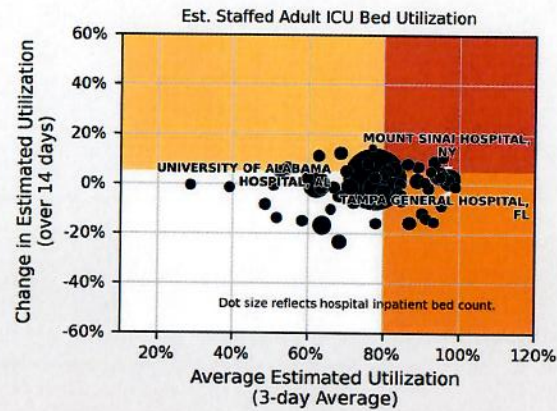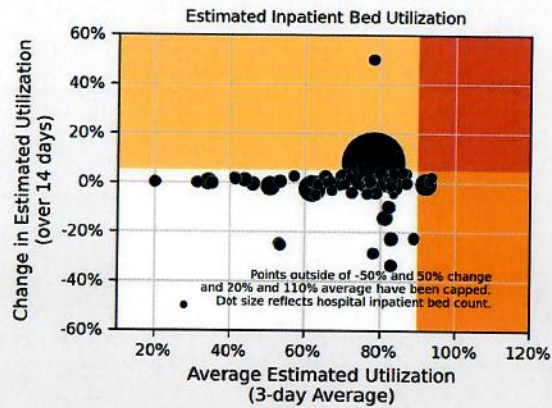
	3-Day Average	14-Day Change
SPECTRUM HEALTH..., MI	93.7%	2.3%
OHIO STATE UNIV..., OH	93.1%	0.8%
MOUNT SINAI HOS..., NY	92.2%	-0.6%
NYU LANGONE HOS..., NY	78.2%	8.1%
GEISINGER MEDIC..., PA	78.0%	53.5%
BRIGHAM AND WOM..., MA	75.3%	6.0%
UPMC PRESBYTERI..., PA	89.0%	-22.7%
METHODIST HEALT..., TN	86.9%	-0.2%
CAROLINAS MEDIC..., NC	86.7%	3.6%
HUNTSVILLE HOSP..., AL	85.8%	4.1%

	3-Day Average	14-Day Change
TAMPA GENERAL H..., FL	99.0%	-1.0%
MOUNT SINAI HOS..., NY	97.4%	2.0%
UNIVERSITY OF A..., AL	97.2%	1.9%
SPECTRUM HEALTH..., MI	95.7%	10.6%
METHODIST HEALT..., TN	95.7%	3.3%
MEDICAL COLLEGE..., VA	95.3%	-8.7%
BEAUMONT HOSPIT..., MI	95.0%	2.8%
JACKSON MEMORIA..., FL	94.6%	3.5%
NOVANT HEALTH F..., NC	94.3%	2.6%
MOUNT SINAI WEST, NY	93.4%	8.9%

	3-Day Average	14-Day Change
UNIVERSITY OF A..., AL	58.1%	7.0%
STRONG MEMORIAL..., NY	45.0%	8.3%
NORTH SHORE MED..., FL	44.7%	9.0%
MOUNT SINAI HOS..., NY	41.3%	6.4%
LAKELAND REGION..., FL	26.4%	6.7%
ADVOCATE CHRIST..., IL	24.2%	6.4%
BEAUMONT HOSPIT..., MI	23.3%	9.3%
BARNES JEWISH H..., MO	65.6%	3.9%
MEMORIAL REGION..., FL	59.7%	-2.3%
YALE-NEW HAVEN ..., CT	56.5%	-3.0%

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California Deep Dive

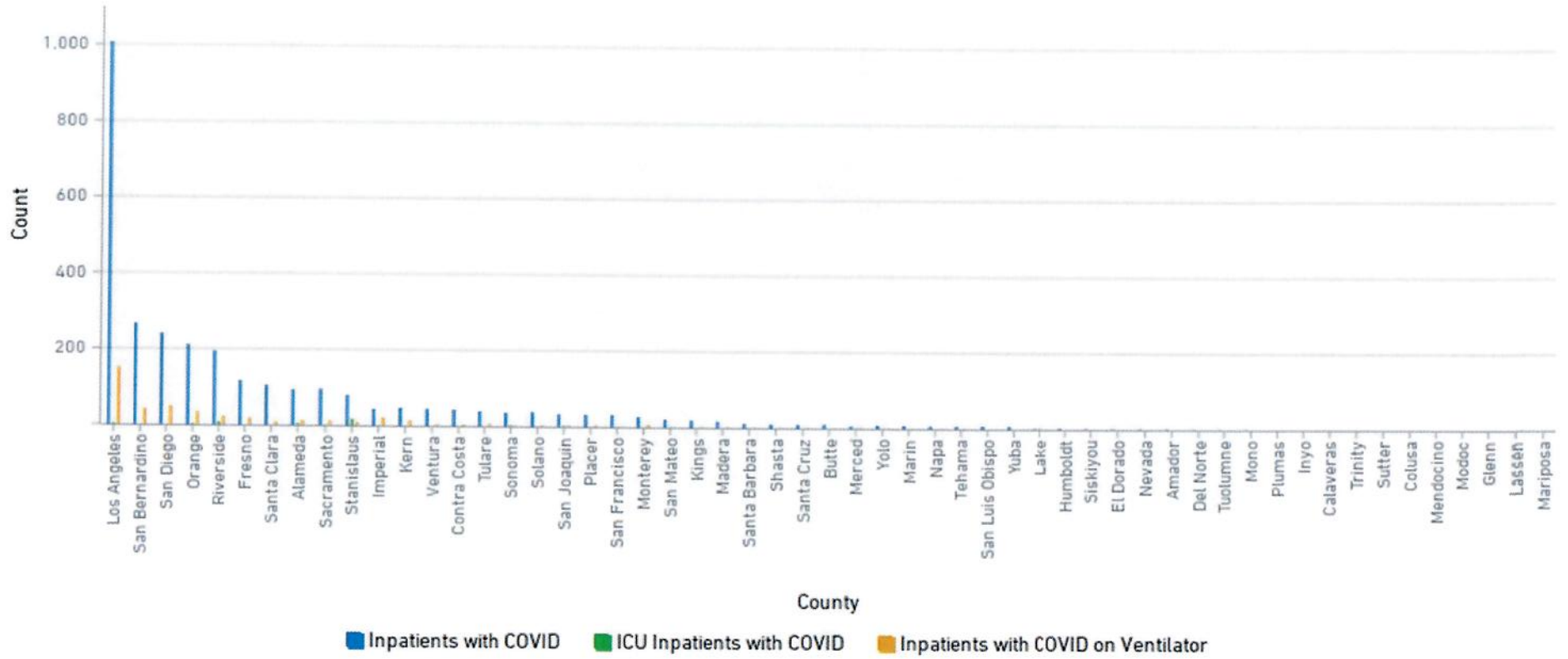## Latest COVID Hospitalizations (Priority Facilities Only)

Legend:
- 0+
- 50+
- 100+
- 250+
- 500+
- 1000+
- 2000+

© Mapbox © OpenStreetMap **Improve this map**

Latest COVID Ventilated Hospitalizations (Priority Facilities Only)

0+
2+
5+
10+
25+
50+
100+

© Mapbox © OpenStreetMap **Improve this map**

Latest Hospitalization Numbers by County (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM

Count (y-axis): 1,000 / 800 / 600 / 400 / 200

County (x-axis): Los Angeles, San Bernardino, San Diego, Orange, Riverside, Fresno, Santa Clara, Alameda, Sacramento, Stanislaus, Imperial, Kern, Ventura, Contra Costa, Tulare, Sonoma, Solano, San Joaquin, Placer, San Francisco, Monterey, San Mateo, Kings, Madera, Santa Barbara, Shasta, Santa Cruz, Butte, Merced, Yolo, Marin, Napa, Tehama, San Luis Obispo, Yuba, Lake, Humboldt, Siskiyou, El Dorado, Nevada, Amador, Del Norte, Tuolumne, Mono, Plumas, Inyo, Calaveras, Trinity, Sutter, Colusa, Mendocino, Modoc, Glenn, Lassen, Mariposa

Legend: ■ Inpatients with COVID ■ ICU Inpatients with COVID ■ Inpatients with COVID on Ventilator

Latest Percentage of Inpatients with COVID (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM

○ 0+
○ 1+
○ 2+
○ 5+
● 10+
● 20+
● 50+

© Mapbox © OpenStreetMap **Improve this map**

Florida Deep Dive

Latest COVID Hospitalizations (Priority Facilities Only)
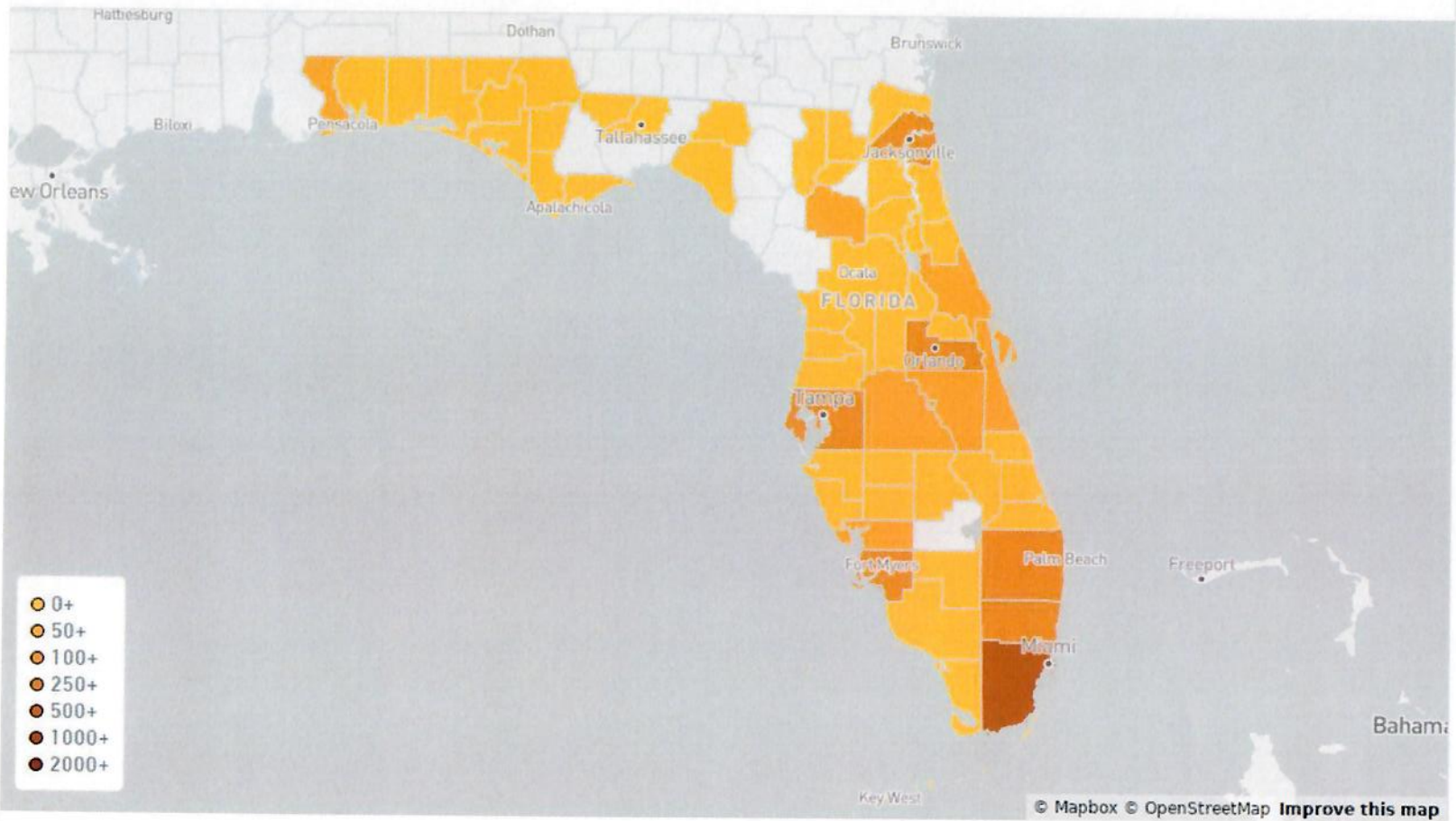
Legend:
- 0+
- 50+
- 100+
- 250+
- 500+
- 1000+
- 2000+

© Mapbox © OpenStreetMap **Improve this map**
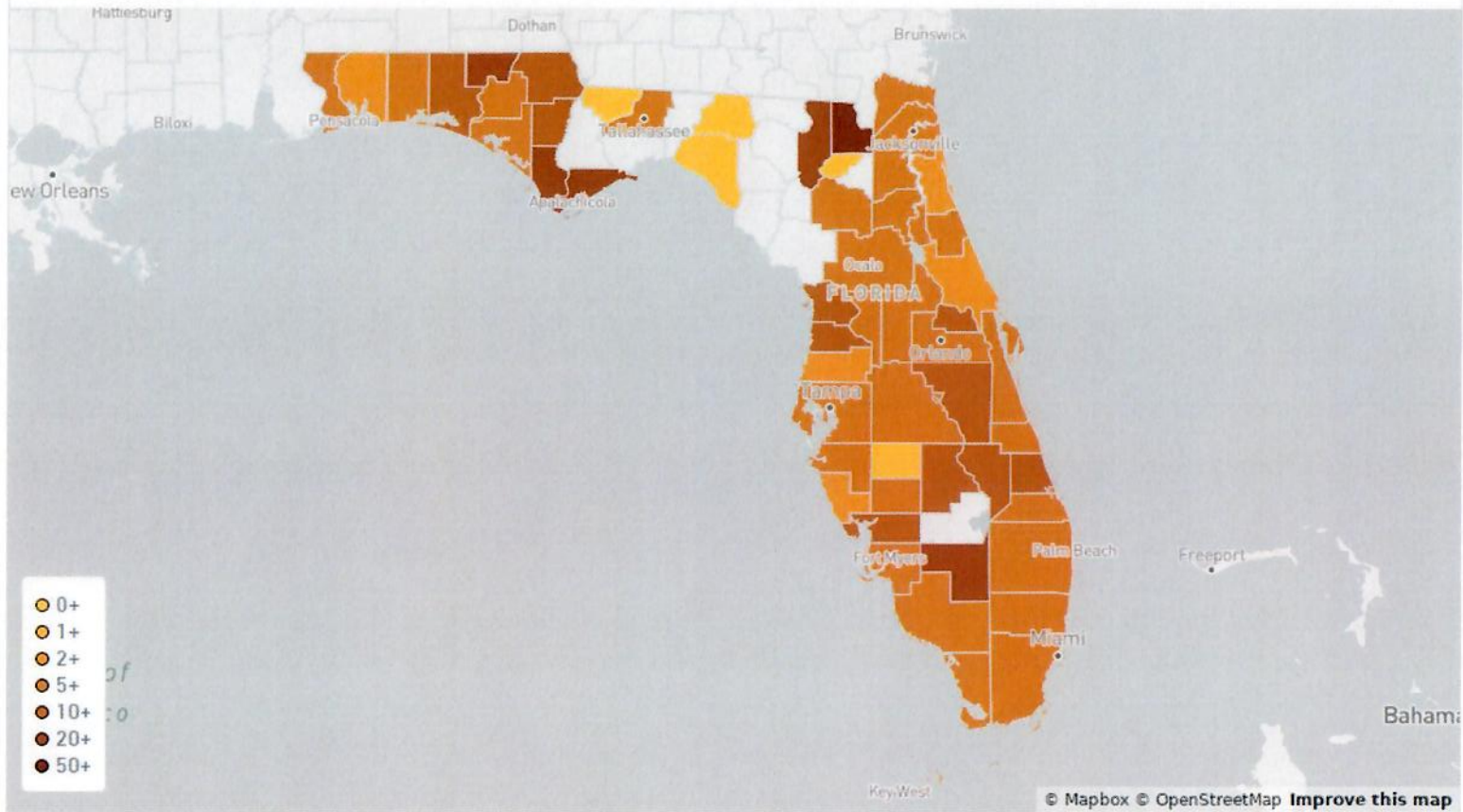
Latest COVID Ventilated Hospitalizations (Priority Facilities Only)

Latest Hospitalization Numbers by County (Priority Facilities Only)
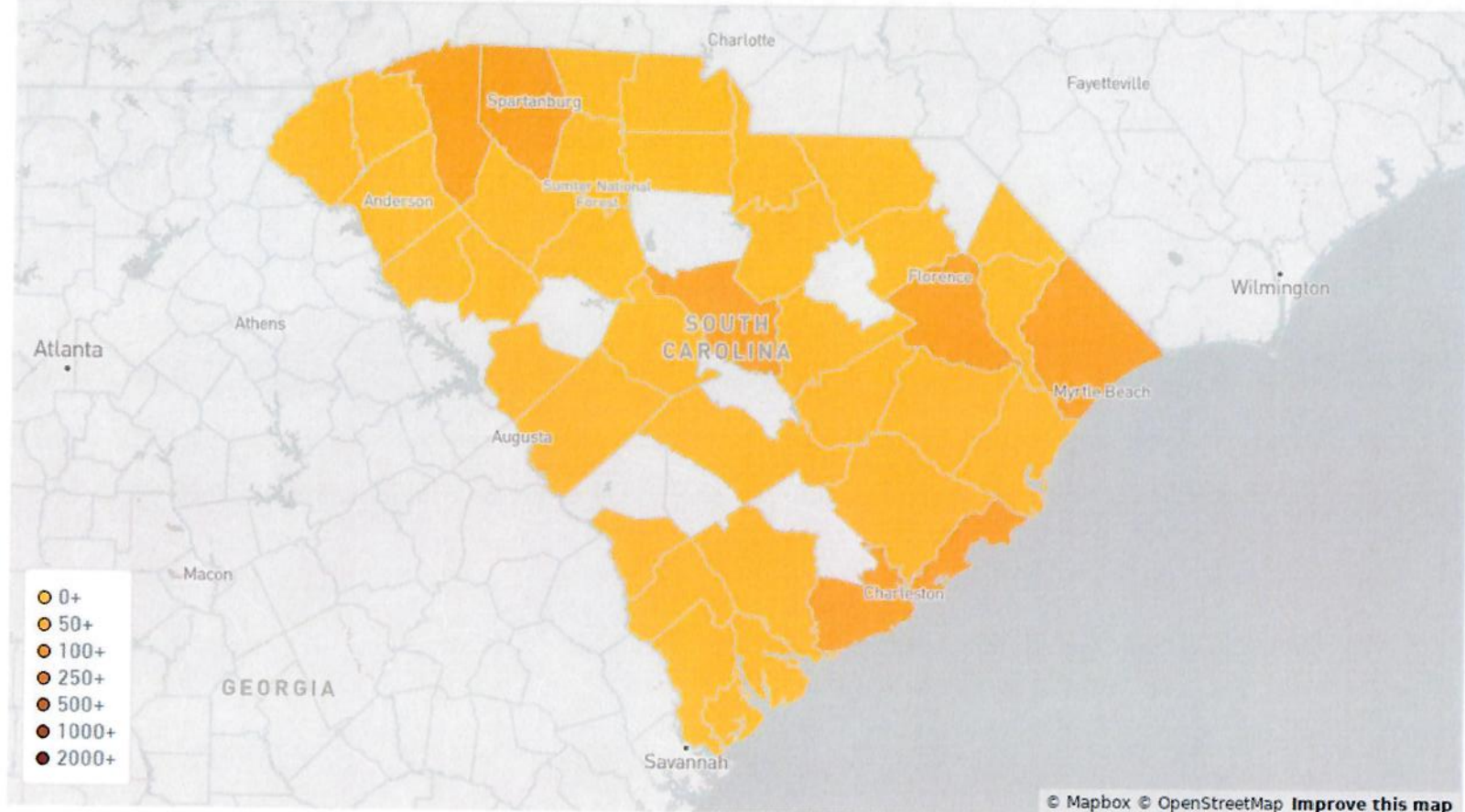
Min Date: 7/1/20 1:00 AM

Legend: ■ Inpatients with COVID ■ ICU Inpatients with COVID ■ Inpatients with COVID on Ventilator

X-axis label: County
Y-axis label: Count

Latest Percentage of Inpatients with COVID (Priority Facilities Only)
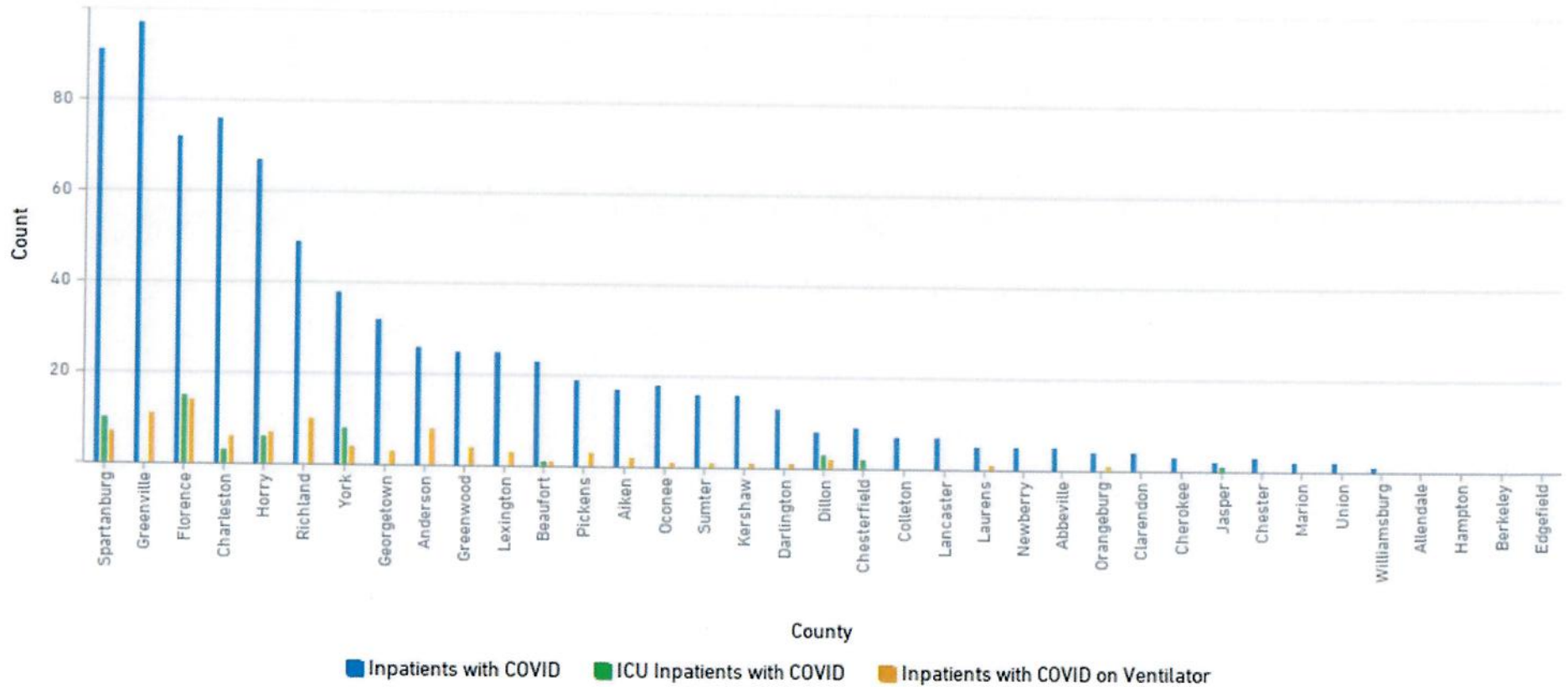
Min Date: 7/1/20 1:00 AM

Legend:
- 0+
- 1+
- 2+
- 5+
- 10+
- 20+
- 50+

© Mapbox © OpenStreetMap **Improve this map**
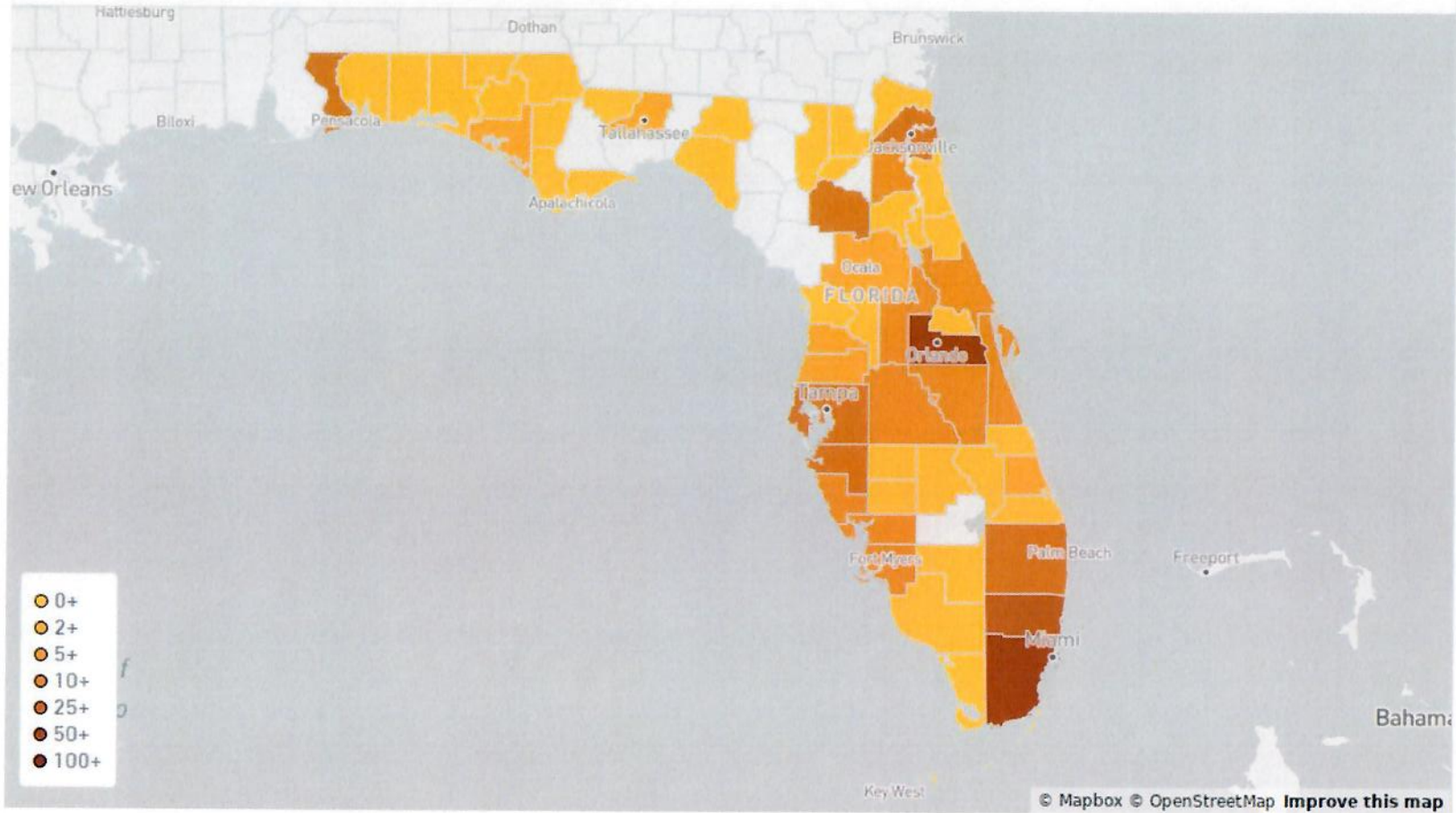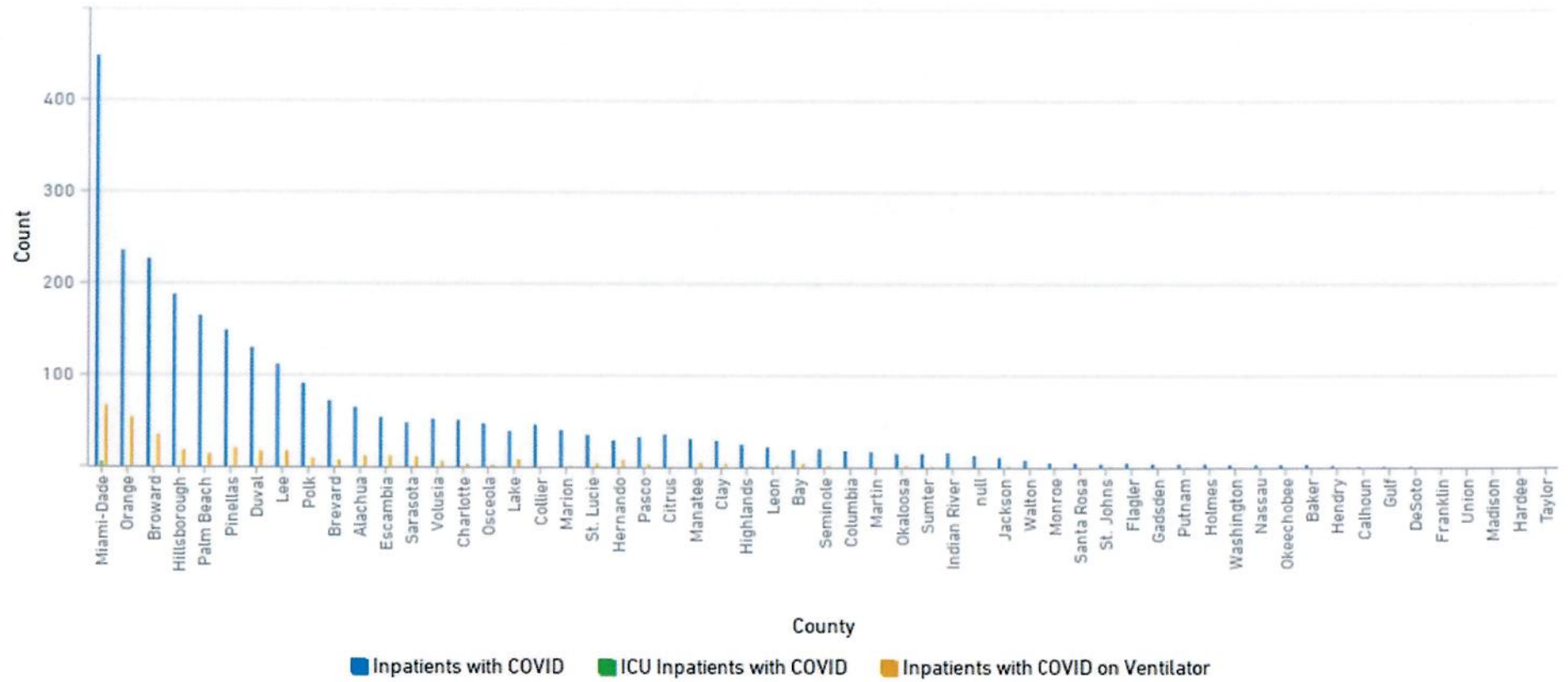
South Carolina Deep Dive

Latest COVID Hospitalizations (Priority Facilities Only)

Legend:
- 0+
- 50+
- 100+
- 250+
- 500+
- 1000+
- 2000+

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Latest COVID Ventilated Hospitalizations (Priority Facilities Only)

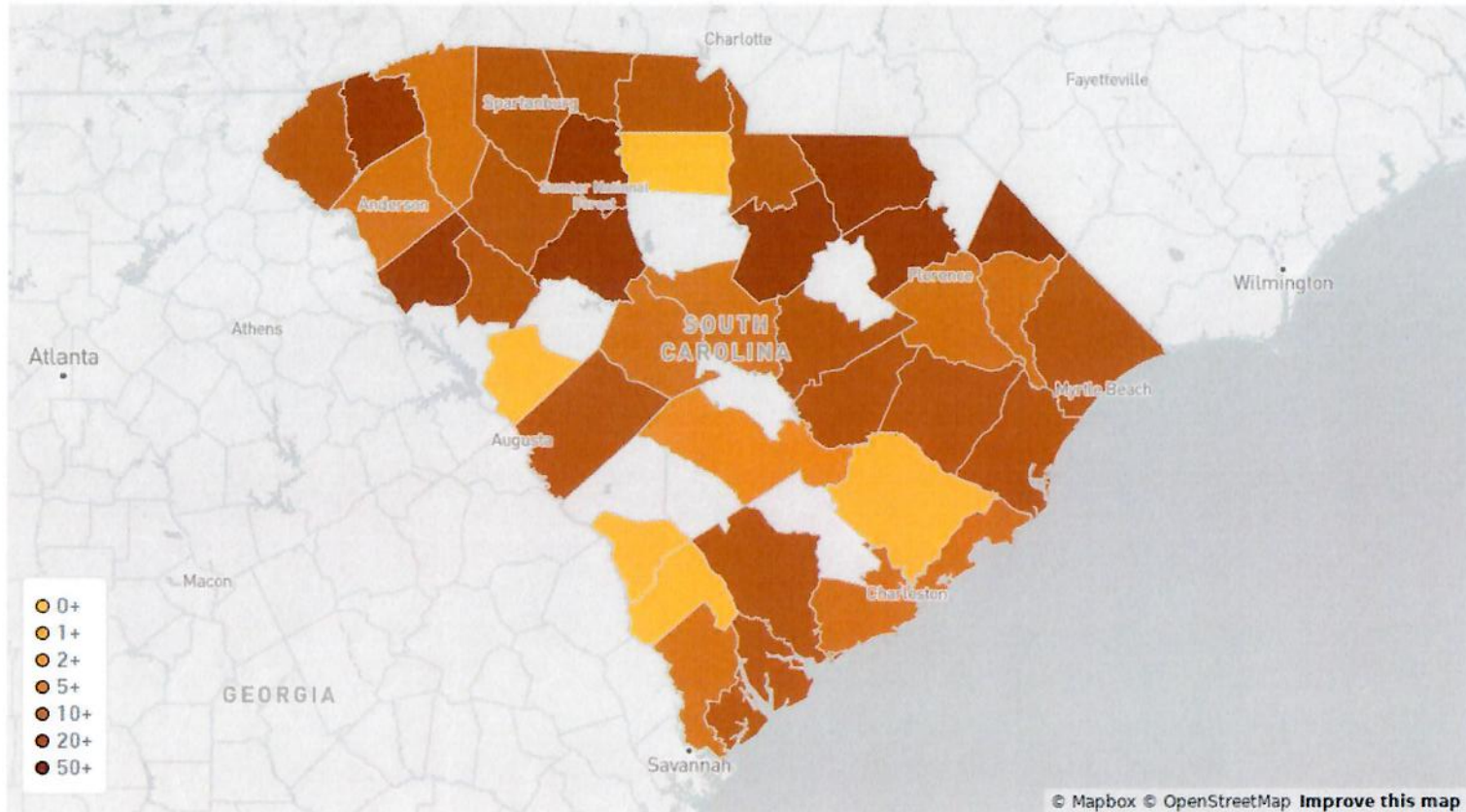

Legend:
- ○ 0+
- ○ 2+
- ○ 5+
- ○ 10+
- ● 25+
- ● 50+
- ● 100+

Latest Hospitalization Numbers by County (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM
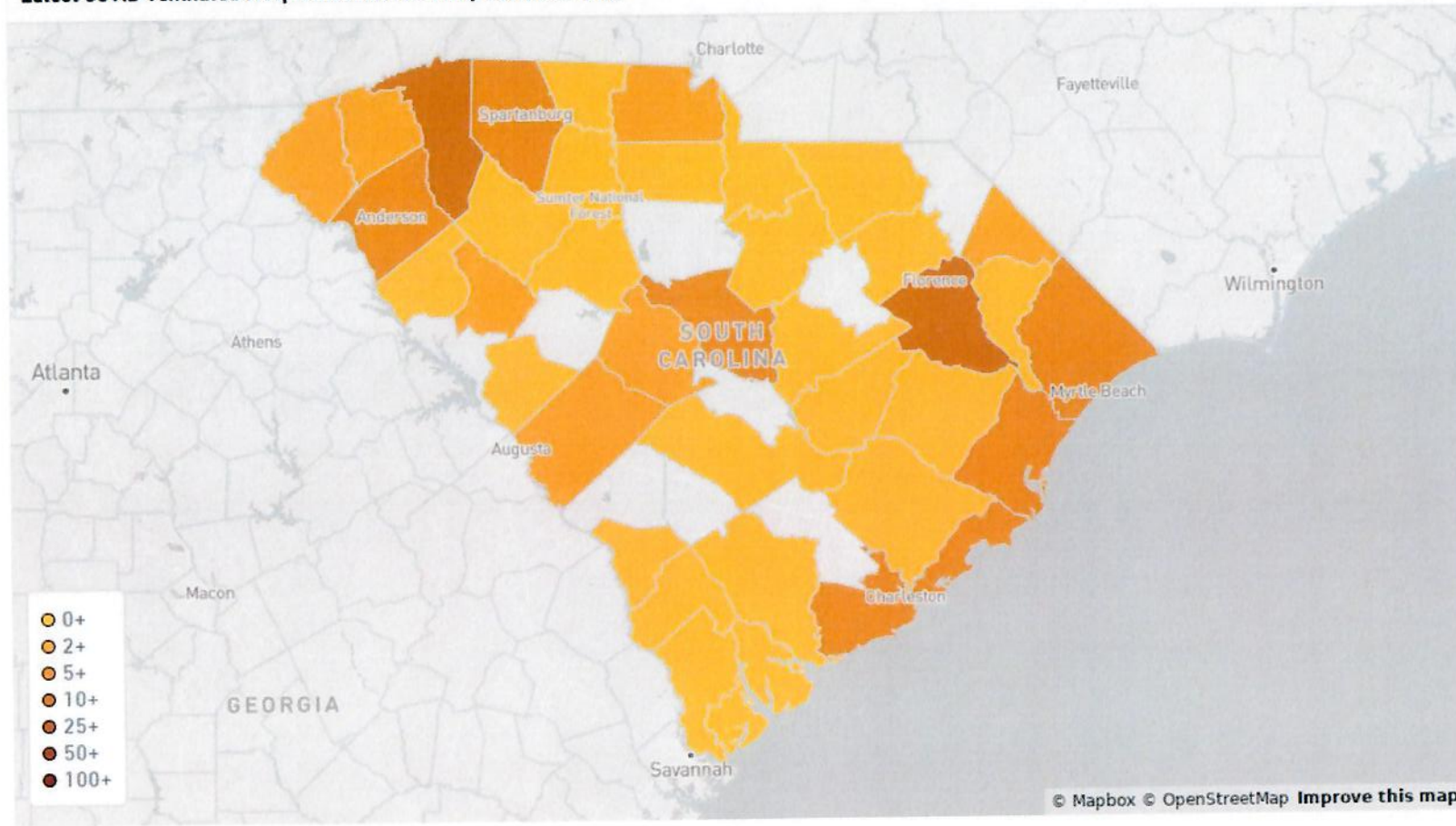
Count

County

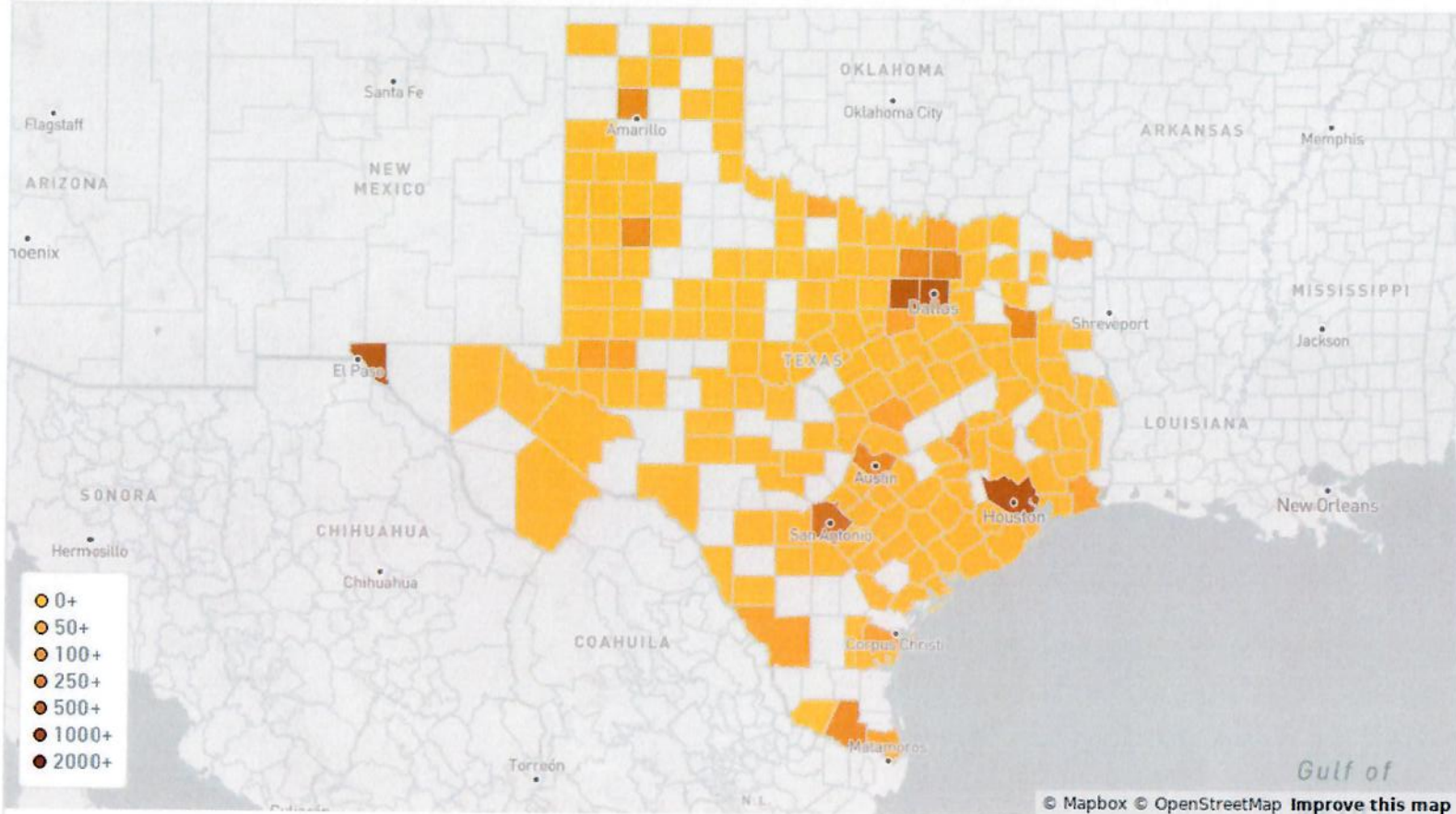■ Inpatients with COVID   ■ ICU Inpatients with COVID   ■ Inpatients with COVID on Ventilator

Latest Percentage of Inpatients with COVID (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM

Texas Deep Dive

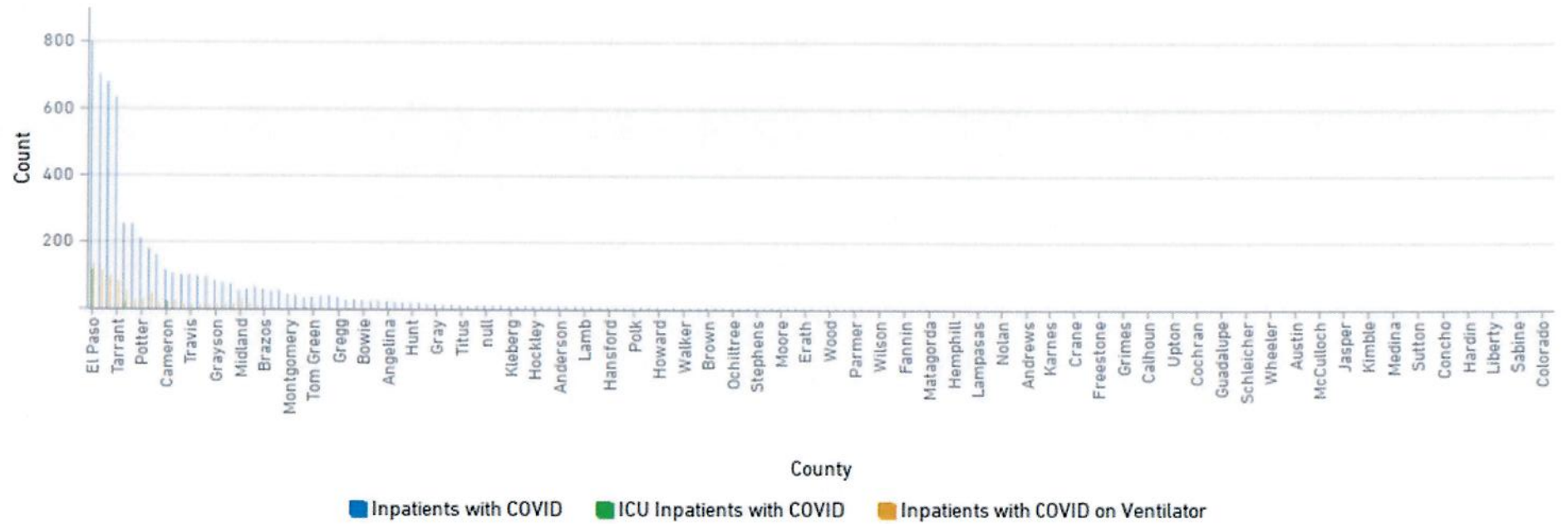**Latest COVID Hospitalizations (Priority Facilities Only)**

Legend:
- 0+
- 50+
- 100+
- 250+
- 500+
- 1000+
- 2000+

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Latest COVID Ventilated Hospitalizations (Priority Facilities Only)

Latest Hospitalization Numbers by County (Priority Facilities Only)

Inpatients with COVID   ICU Inpatients with COVID   Inpatients with COVID on Ventilator

Latest Percentage of Inpatients with COVID (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM

Legend:
- 0+
- 1+
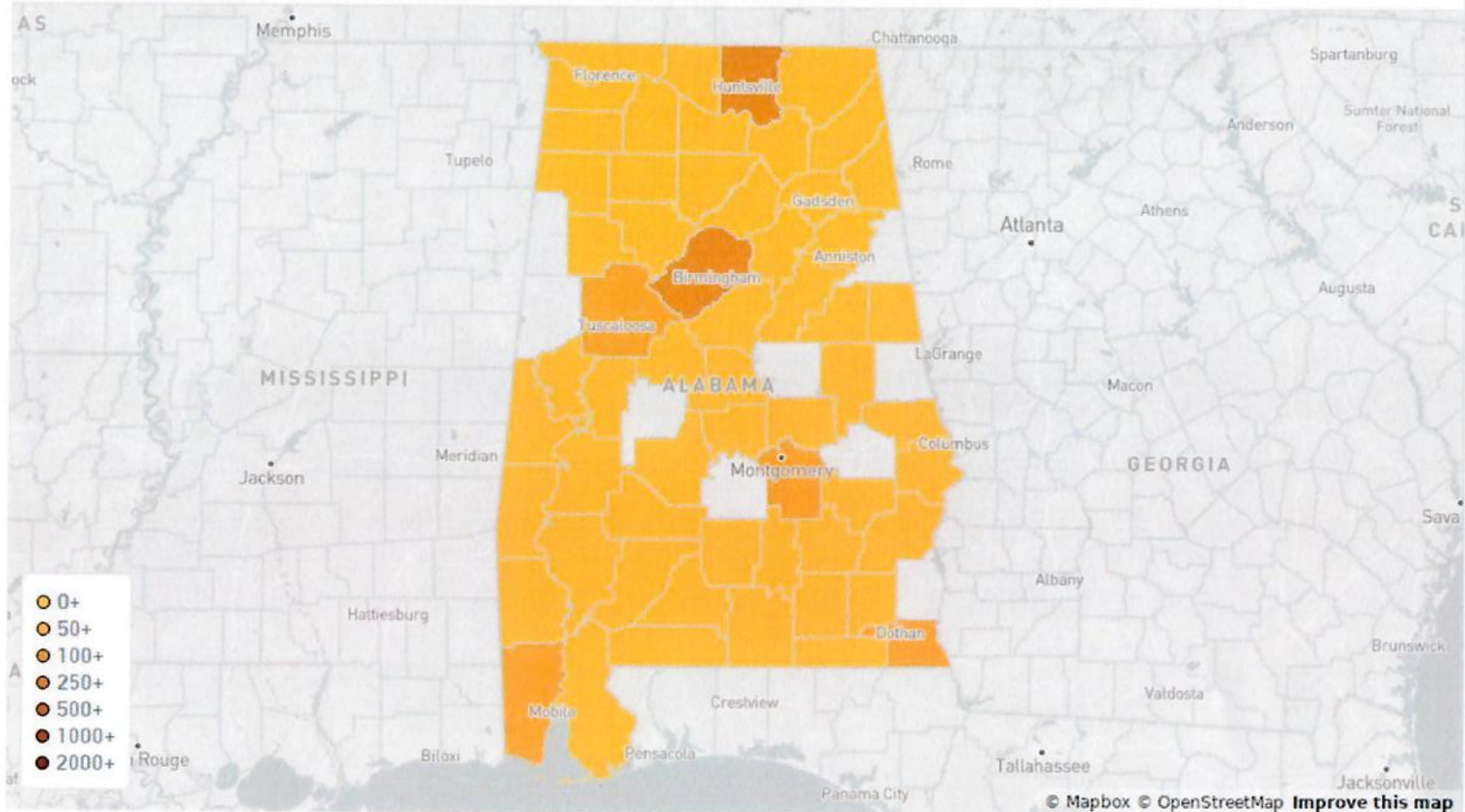- 2+
- 5+
- 10+
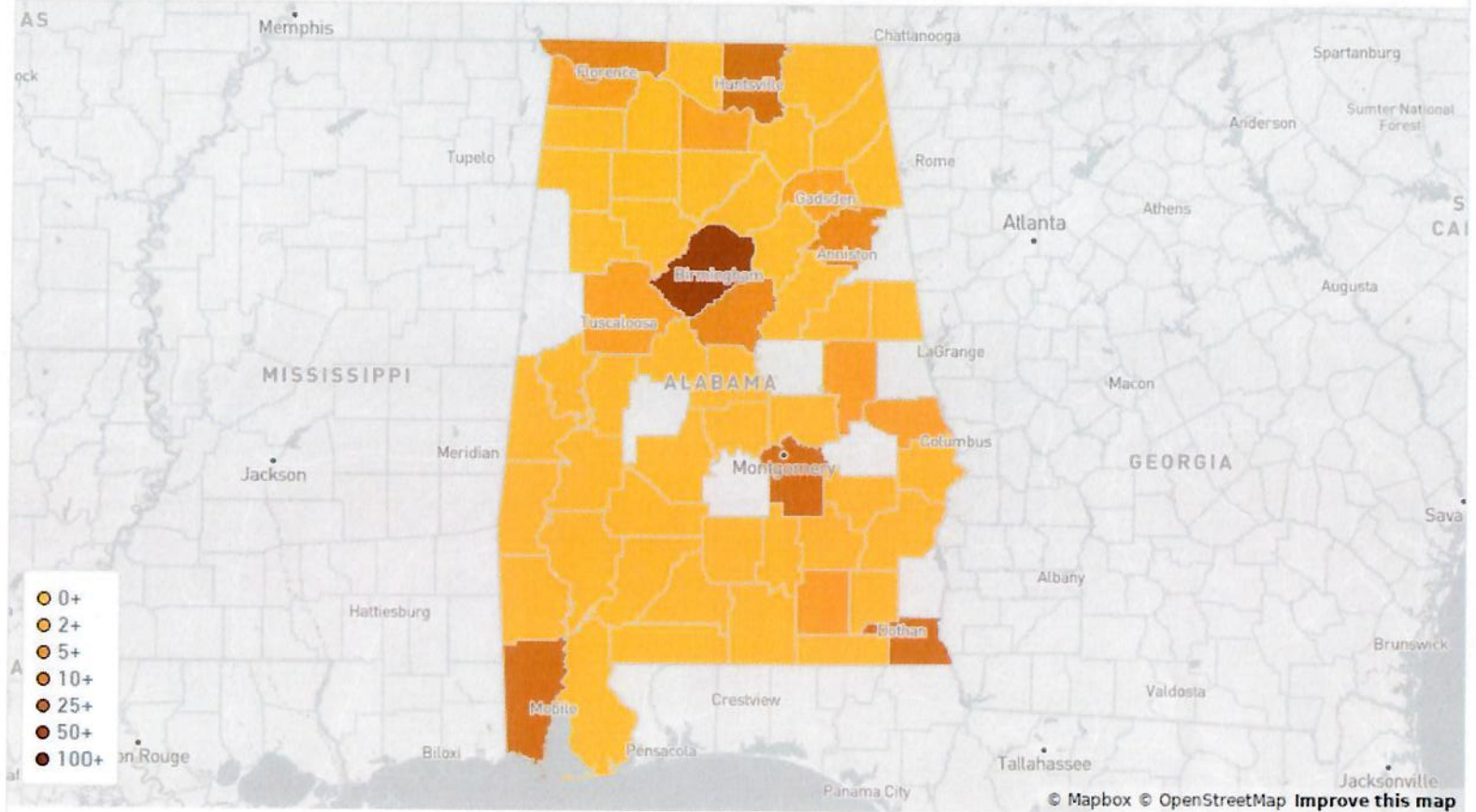- 20+
- 50+

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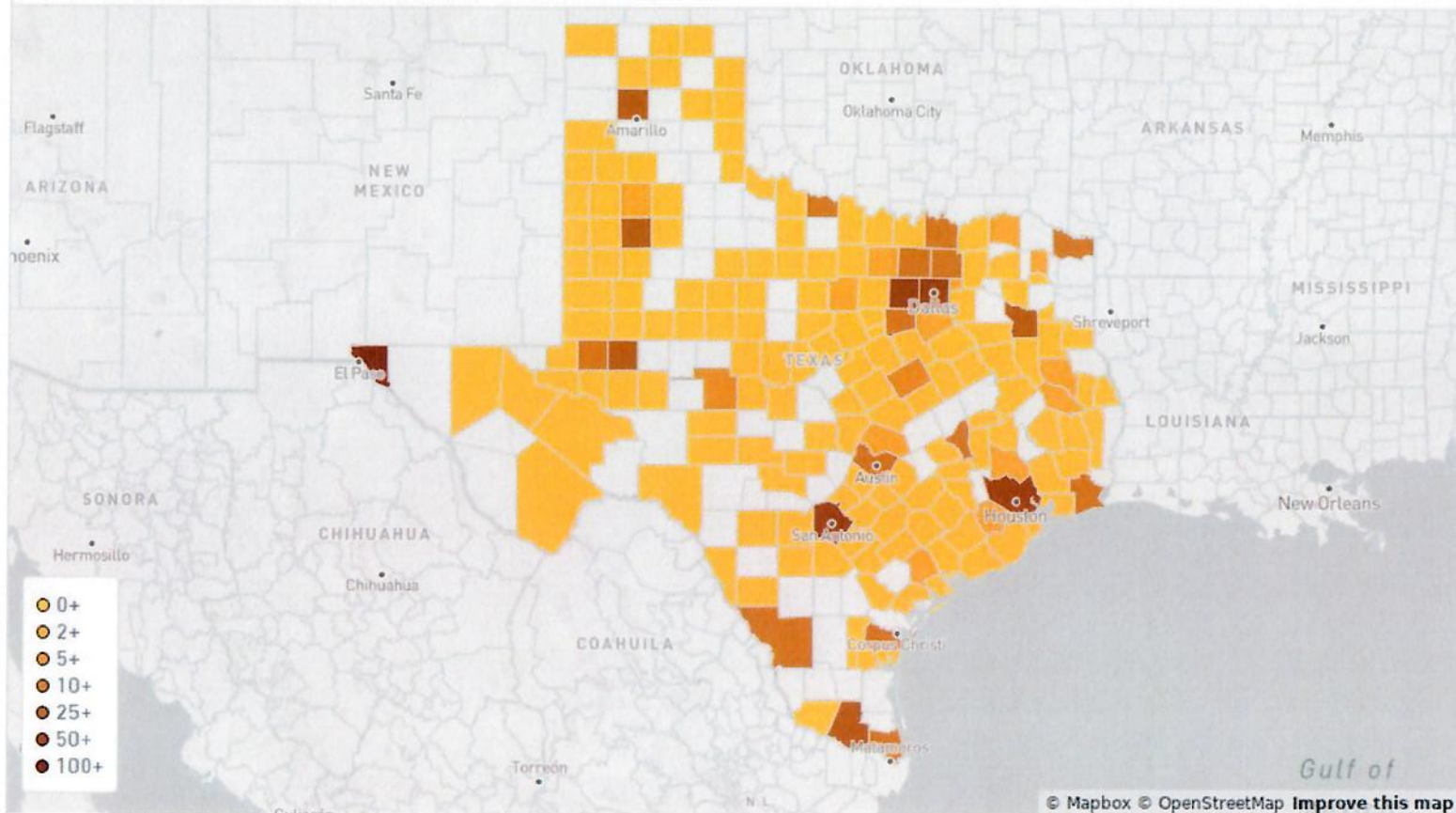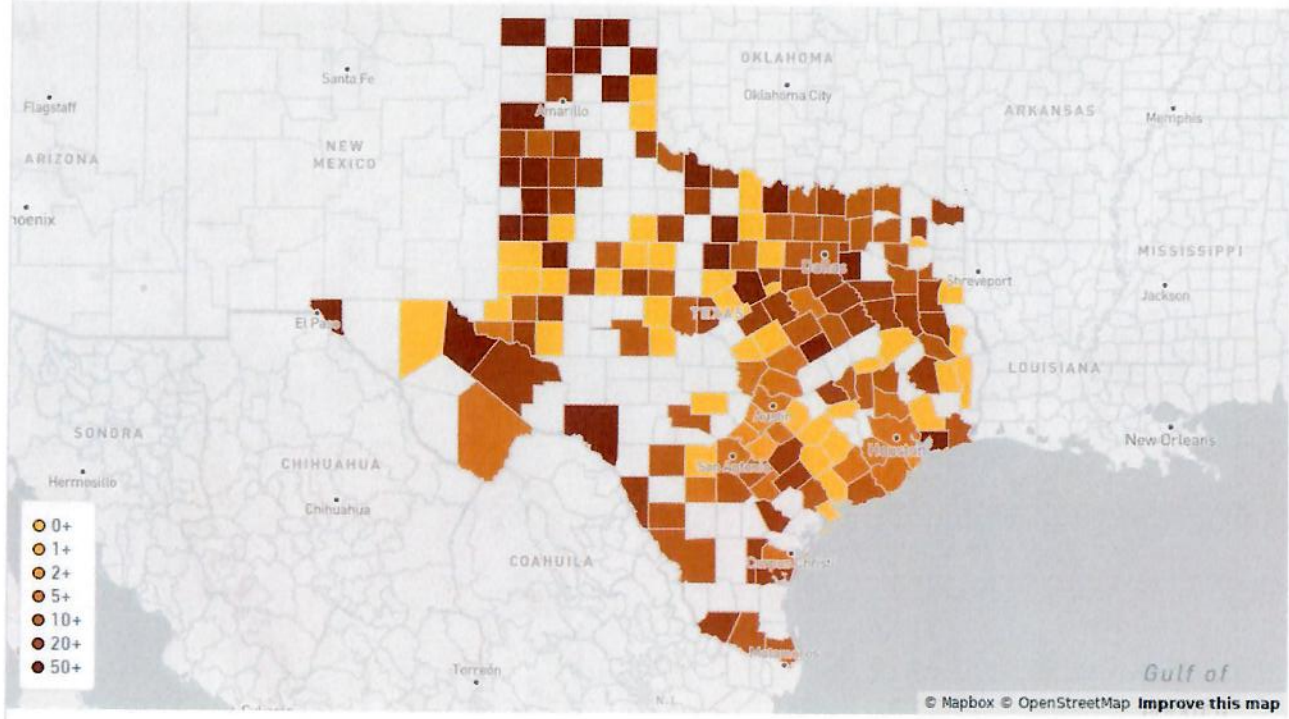
Latest Percentage of Inpatients with COVID (Priority Facilities Only)

Alabama Deep Dive

Latest COVID Hospitalizations (Priority Facilities Only)

Legend:
- 0+
- 50+
- 100+
- 250+
- 500+
- 1000+
- 2000+

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Latest COVID Ventilated Hospitalizations (Priority Facilities Only)

Legend:
- 0+
- 2+
- 5+
- 10+
- 25+
- 50+
- 100+

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Latest Hospitalization Numbers by County (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM

Legend: ■ Inpatients with COVID ■ ICU Inpatients with COVID ■ Inpatients with COVID on Ventilator

Latest Percentage of Inpatients with COVID (Priority Facilities Only)

Min Date: 7/1/20 1:00 AM

Legend:
- 0+
- 1+
- 2+
- 5+
- 10+
- 20+
- 50+

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