COVID-19 Cases
v
Hospital Beds in the U.S

Telling a Narrative with Maps
Process Book
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1.

Ideas And Research

Airplane travels during COVID

    Choropleth and Locator Maps

    Line Charts

Streaming Services Subscribers 2019 v 2020

    Choropleth

    Charts

COVID Cases v Hospitals in the U.S

    Choropleth, Locator

    Bar Graph, Double Bar Graph

Top 10 Songs in 2000, 2010, and 2020

    Donut Chart

    Chart

Sources:

https://www.google.com/search?q=covid+cases+by+state&ie=UTF-8&oe=UTF-8&hl=en-us&client=safari

https://www.beckershospitalreview.com/rankings-and-ratings/the-no-1-hospital-in-each-state-for-2020-21.html

https://www.ahd.com/state_statistics.html

https://www.beckershospitalreview.com/public-health/number-of-covid-19-hospitalizations-state-by-state-july-15.html

https://www.ahd.com/state_statistics.html

Who: **is your audience? Who are you sharing this information with?**

    ◊ US Citizens

What: **exactly are you trying to tell them?**

    ◊ *I am trying to tell them how many COVID cases there are versus how many hospitals/hospital beds there are in each state.*

Where: **is the geographic focus? is it hyperlocal? national? global? Does there need to be comparison between multiple for context?**

    ◊*The United States of America*

When: **is the timespan you are looking at? Is your story something that spans over time, or a specific date?**

    ◊ 2020

Why: **do you feel people need to know this? what is the specific purpose?**

    ◊ *I feel people need to know this because we are currently still in the COVID-19 Pandemic. People need to know these numbers in order to really understand how bad it is getting.*
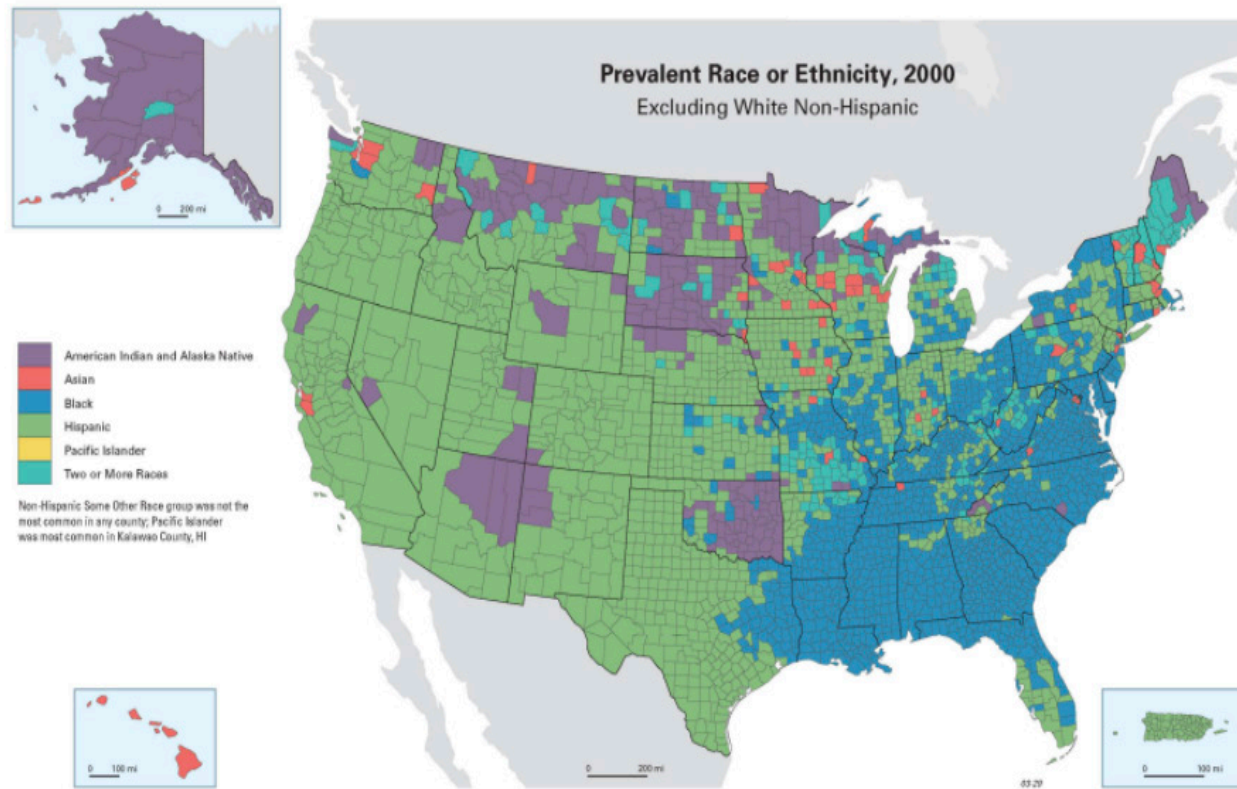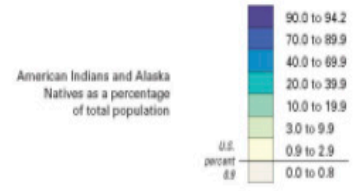
How: **will you walk through a narrative? Think of the important features of a story: introduction, building action/details, climax (in this case it should be the exciting takeaway), and conclusion.**

    ◊ *First, I will have a blurb about COVID-19, safety precautions, how hospitals are running out of beds and mention deaths from COVID.*

    ◊ *I will then have show COVID Cases in the U.S per State & Deaths from COVID in the U,S per State*

    ◊ *Then, I will show #1 Hospital per State & Amount of Hospitals per State.*

    ◊ *Lastly,, I will show Amount of Hospitals vs Staffed Hospital Beds per State*

American Indian and
Alaska Native Population, 2000

Asian Population, 2000

American Indians and Alaska
Natives as a percentage
of total population

| 90.0 to 94.2 |
| 70.0 to 89.9 |
| 40.0 to 69.9 |
| 20.0 to 39.9 |
| 10.0 to 19.9 |
| 3.0 to 9.9 |
| 0.9 to 2.9 |
| 0.0 to 0.8 |

Asians as a percentage
of total population

| 40.0 to 46.0 |
| 20.0 to 39.9 |
| 10.0 to 19.9 |
| 3.6 to 9.9 |
| 0.0 to 3.5 |

Prevalent Race or Ethnicity, 2000
Excluding White Non-Hispanic

American Indian and Alaska Native
Asian
Black
Hispanic
Pacific Islander
Two or More Races

Non-Hispanic Some Other Race group was not the
most common in any county; Pacific Islander
was most common in Kalawao County, HI

2. COLLECTED DATA

| State	Amout of COVID cases (total)	Hopitalizations Per State (currently)	Population Per State	Total Bed Capacity Per State
Alabama	256376	1927	4908620	15278
Alaska	331415	164	734002	1636
Arizona	349088	2977	7378490	13846
Arkansas	160950	1076	3039000	9517
California	1266675	10624	39937500	72511
Colorado	243277	1750	5845530	10574
Connecticut	120459	1150	3563080	7194
Delaware	37032	315	982895	2101
Florida	1018847	4400	21993000	54744
Georgia	463657	2829	10736100	25114
Hawaii	18092	57	1412690	2749
Idaho	105484	477	1826160	3396
Illinois	753685	5160	12659700	32066
Indiana	352403	3189	6745350	18156
Iowa	235428	918	3179850	9423
Kansas	161290	1143	2910360	9659
Kentucky	191030	1731	4499690	14329
Louisiana	243326	1392	4645180	15272
Maine	12195	164	1345790	3400
Maryland	203769	1576	6083120	11577
Massachusetts	232073	1416	6976600	15649
Michigan	401474	4141	10045000	24949
Minnesota	325549	1679	5700670	13895
Mississippi	155141	1157	2989260	12071
Missouri	320922	2708	6169270	18749
Montana	64392	475	1086760	3542
Nebraska	131787	755	1952570	6842
Nevada	157586	1789	3139660	6493
New Hampshire	22538	849	1371250	2783
New Jersey	348606	3241	8936570	20901
New Mexico	101743	919	2096640	3811
New York	667293	4442	19440500	51927
North Carolina	372647	2191	10611900	21549
North Dakota	80064	305	761723	3235
Ohio	52030	5072	11747700	33157
Oklahoma	200737	1721	3954820	11144
Oregon	77856	596	4301090	6889
Pennsylvania	378717	5300	12820900	36730
Rhode Island	59089	408	1056160	2187
South Carolina	220425	1025	5210100	12120
South Dakota	81360	497	903027	4183
Tennessee	377568	2760	6897580	19387
Texas	1293354	8681	29472300	65671
Utah	200516	605	3282120	5767
Vermont	2506	25	628061	1305
Virginia	242228	1969	8626210	18065
Washington	177794	1099	7797100	12774
West Virginia	49794	616	1778070	6868
Wisconsin	420635	1660	5851750	12103
Wyoming	34305	852	567025	2015

3.

STORYBOARD

Title

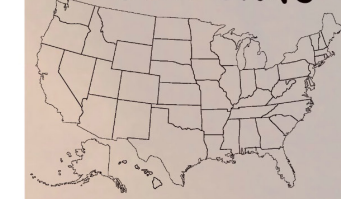Text

COVID cases by state

Text

Deaths for COVID by state
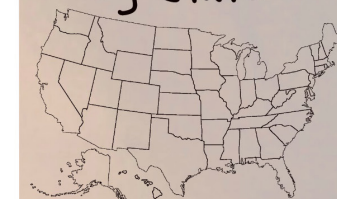
#1 hospital in each state

Text

Amount of Hospitals V. Hospital beds per state
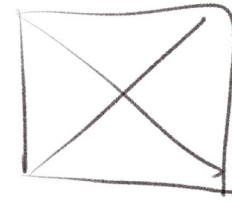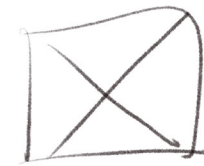state → Double Bar Graph
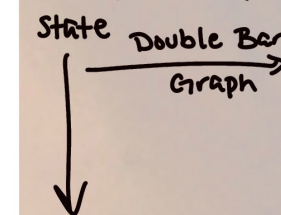
Text

4.

SKETCHES
REFINED SKETCHES

Coronavirus Cases v. Hospitals in the U.S.

_____
_____

 Covid Cases by State

_____

_____

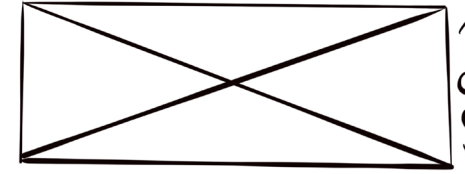 Deaths from Covid by State
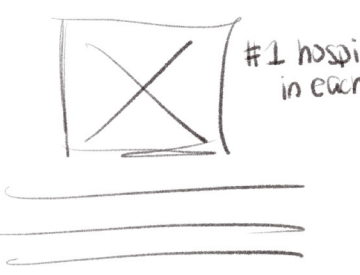
 #1 hospital in each state
_____

 Amount of hospitals per state
v.
Staffed hospital beds per state
_____
_____

Coronavirus Cases v. Hospitals in the U.S

_____
_____
. . .

 ↓ Covid Cases by state

_____
_____
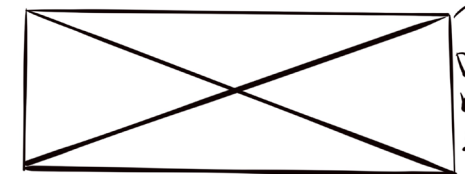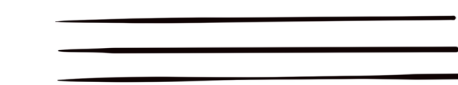
 ↓ Deaths by state from Covid
. . .
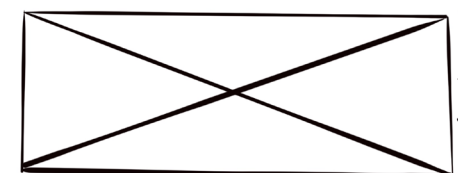
 ↓ #1 hospital per state
_____
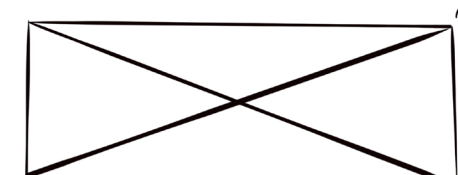
 ↓ Amount of hospitals per state v. Staffed hospital beds per state
. . .
_____

5.

COLOR AND
TYPE STUDIES
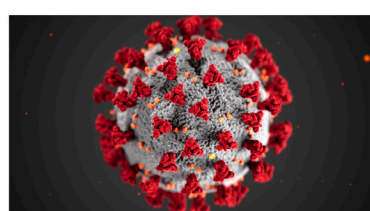
Original Color Palette

#cbbcb1
C: 0%
M: 7%
Y: 13%
K: 20%
R: 203
G: 188
B: 177

#5c809d
C: 41%
M: 18%
Y: 0%
K: 38%
R: 92
G: 128
B: 157

#b43030
C: 0%
M: 73%
Y: 73%
K: 29%
R: 180
G: 48
B: 48

Final Color Palette
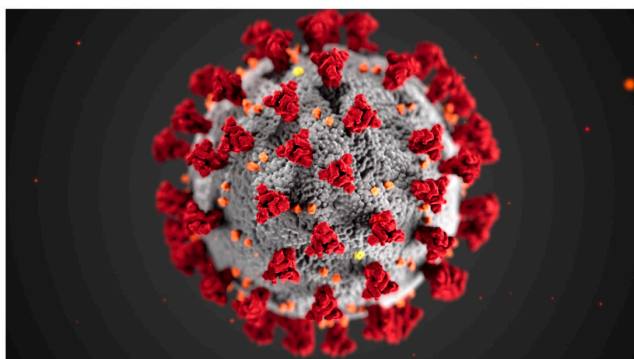
#cbbcb1
C: 0%
M: 7%
Y: 13%
K: 20%
R: 203
G: 188
B: 177

#1e2b41
C: 54%
M: 34%
Y: 0%
K: 75%
R: 30
G: 43
B: 65

#df7e68
C: 0%
M: 43%
Y: 53%
K: 13%
R: 223
G: 126
B: 104

Coronavirus Cases v Hospitals in the U.S
(Hevetica, Light)

Coronavirus Cases v Hospitals in the U.S
(Hevetica, Light Oblique)

Coronavirus Cases v Hospitals in the U.S
(Hevetica, Regular)

Coronavirus Cases v Hospitals in the U.S
(Hevetica, Oblique)

Coronavirus Cases v Hospitals in the U.S
(Hevetica, Bold)

Coronavirus Cases v Hospitals in the U.S (Hevetica,
Bold Oblique)

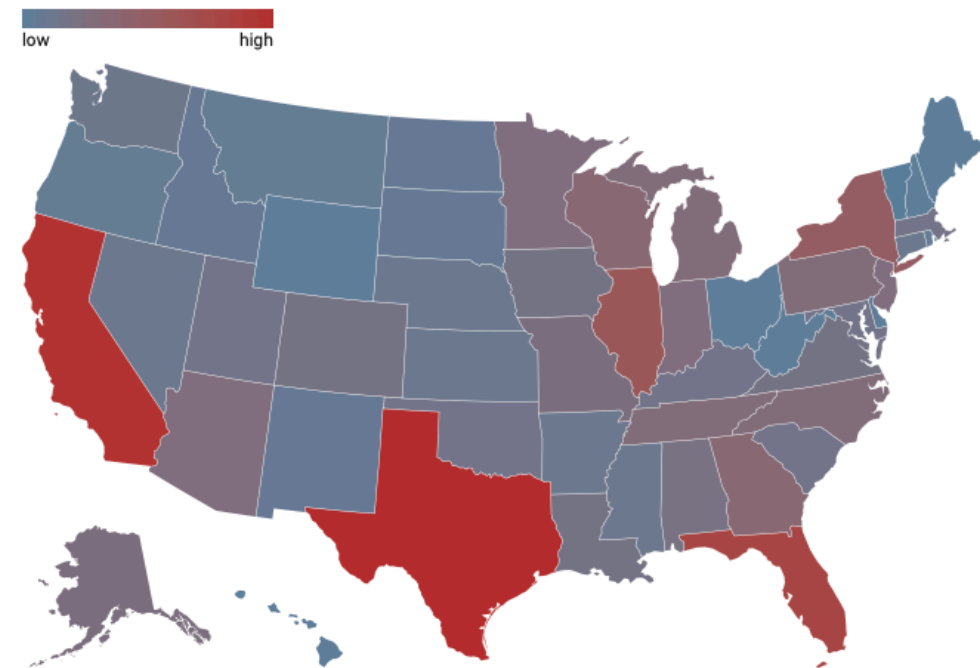# COMPOSITION

6.

Coronavirus Cases v Hospitals in the U.S

Brittany Rose Just now · 2 min read

The Coronavirus Pandemic (COVID-19) has been going on since March 2020 in the United States. The way we can stay safe and contain this virus is by wearing masks, staying 6-feet apart from others and stay home as much as possible. Unfortunately, many people have died due to COVID-19 and we need to prevent that from happening. Even though there are many hospitals in each state, they are running out of beds because they are in high demand for people infected with COVID-19.

. . .

COVID Cases in the U.S per State

low   high

Map: Brittany Rose • Source: Google • Get the data •
Created with Datawrapper

On average there have been 275,505 people tested positive for the virus in each state since March 2020. Additionally, there have been 2,040 hospitalizations on average per state from people who have been infected by COVID daily. Cases have been on the rise every day and the hospitals are running out of beds to care for these COVID patients along with other patients.

Current Hospitalizations from COVID in the U.S per State

low   high
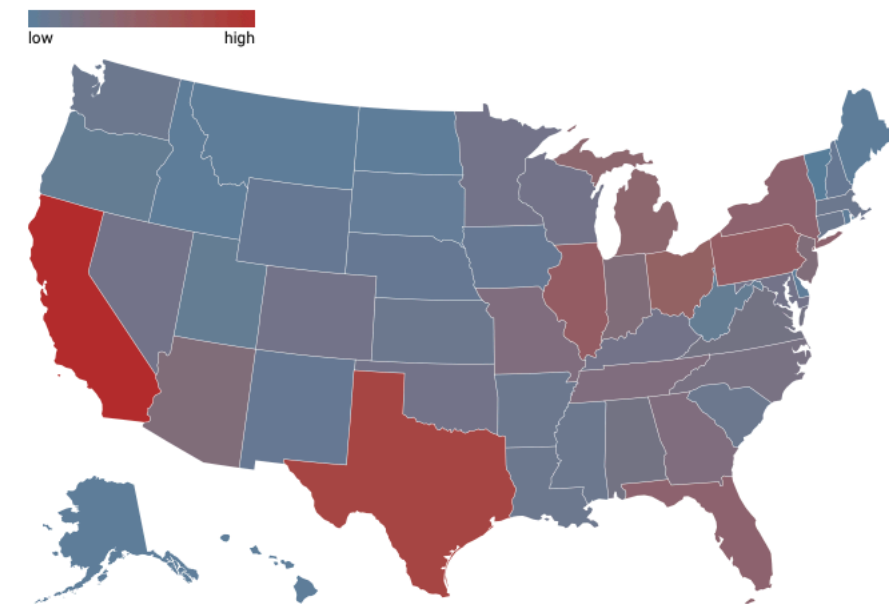
Map: Brittany Rose • Source: Becker's Hospital Review •
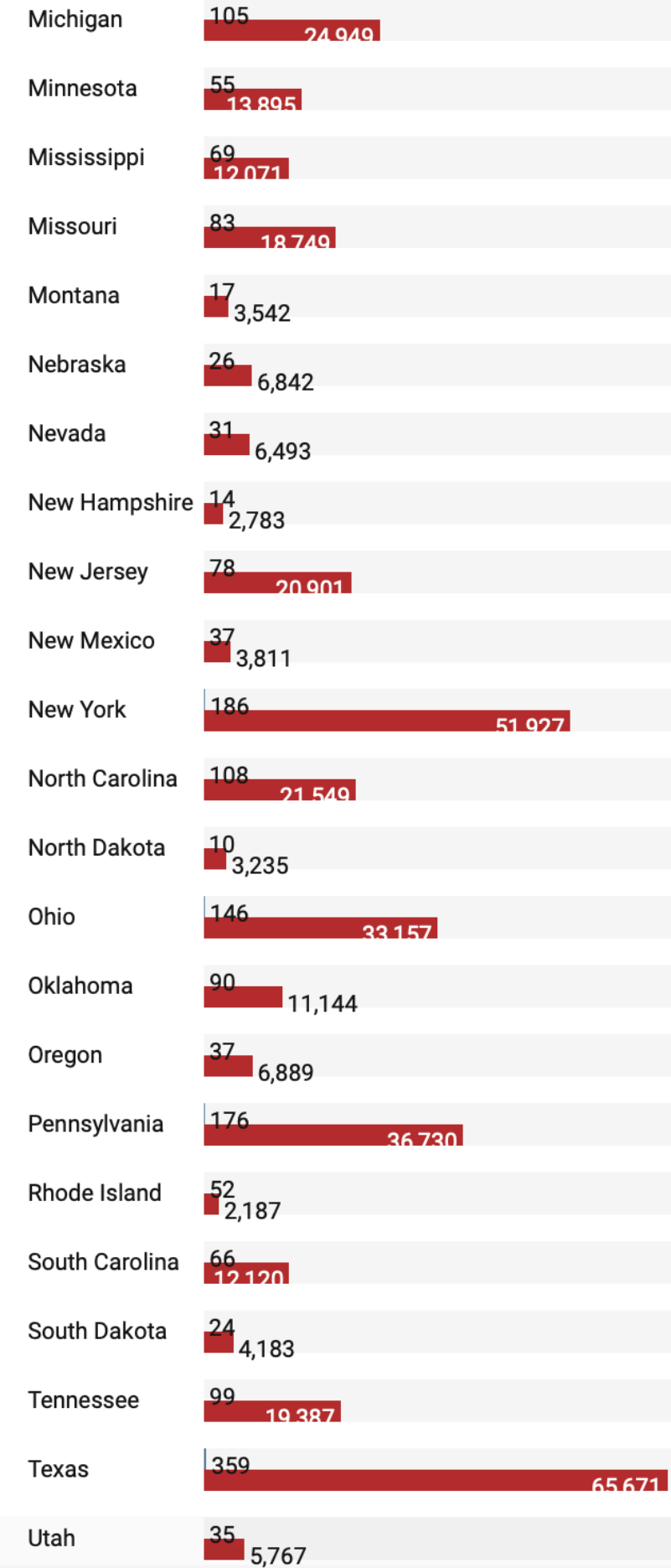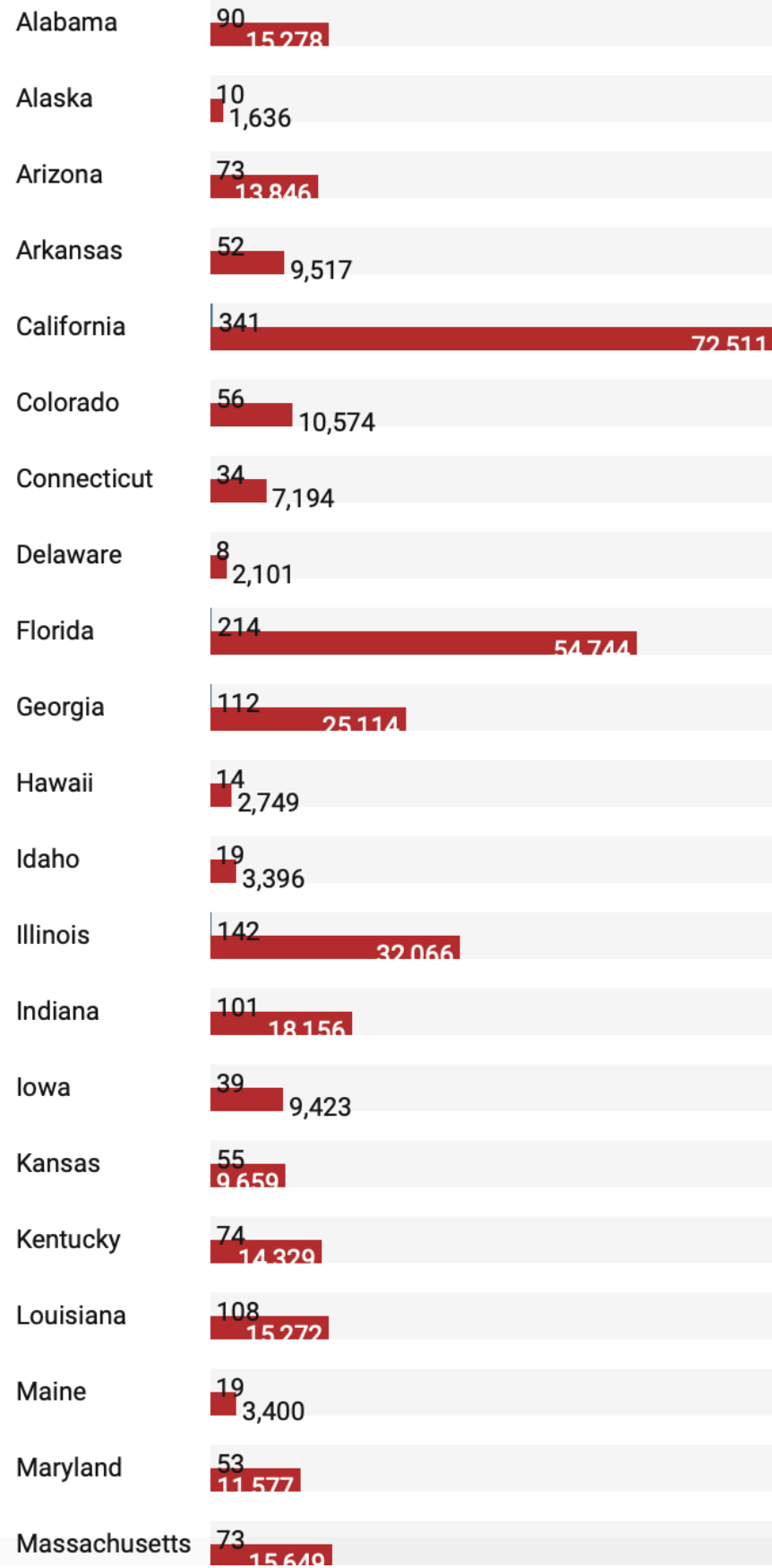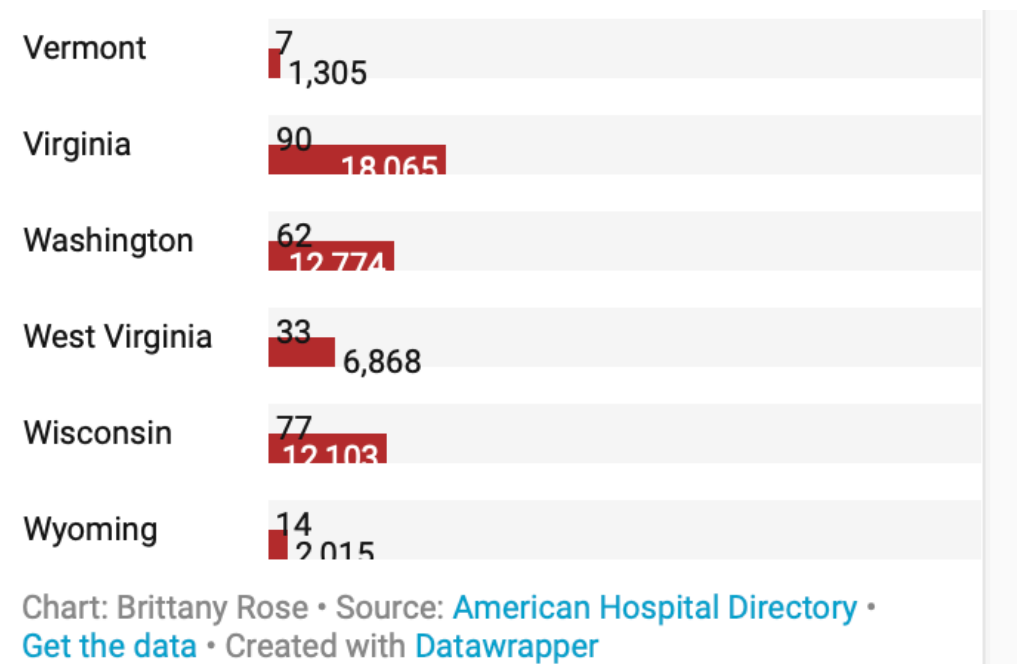Get the data • Created with Datawrapper

. . .

Insert map of hospitals here

Each state has a certain number of hospitals and that limits the number of hospital beds in each state. The larger states tend to have more hospitals so they can treat more patients. In the states that have fewer hospitals means they can run out of beds quicker.

Amount of Hospitals vs Hospital Beds per State

■ Amount of Hospitals Per State ■ Total Bed Capacity Per State

State	Amount of Hospitals Per State	Total Bed Capacity Per State
Alabama	90	15,278
Alaska	10	1,636
Arizona	73	13,846
Arkansas	52	9,517
California	341	72,511
Colorado	56	10,574
Connecticut	34	7,194
Delaware	8	2,101
Florida	214	54,744
Georgia	112	25,114
Hawaii	14	2,749
Idaho	19	3,396
Illinois	142	32,066
Indiana	101	18,156
Iowa	39	9,423
Kansas	55	9,659
Kentucky	74	14,329
Louisiana	108	15,272
Maine	19	3,400
Maryland	53	11,577
Massachusetts	73	15,649
Michigan	105	24,949
Minnesota	55	13,895
Mississippi	69	12,071
Missouri	83	18,749
Montana	17	3,542
Nebraska	26	6,842
Nevada	31	6,493
New Hampshire	14	2,783
New Jersey	78	20,901
New Mexico	37	3,811
New York	186	51,927
North Carolina	108	21,549
North Dakota	10	3,235
Ohio	146	33,157
Oklahoma	90	11,144
Oregon	37	6,889
Pennsylvania	176	36,730
Rhode Island	52	2,187
South Carolina	66	12,120
South Dakota	24	4,183
Tennessee	99	19,387
Texas	359	65,671
Utah	35	5,767

State		
Vermont	7	
	1,305	
Virginia	90	
	18,065	
Washington	62	
	12,774	
West Virginia	33	
	6,868	
Wisconsin	77	
	12,103	
Wyoming	14	
	2,015	

· · ·

In conclusion, this pandemic is continuing rapidly throughout the U.S
and unfortunately, deaths are rising as well. There are many hospitals in
each state, however, the limited amount of beds make them either turn
people away, have them go see their primary doctor or have them wait
to be seen and a bed is available. Remember to wear a mask when in
public, stay 6-feet apart from others and stay home as much as possible.

FINAL DESIGN

CLICK HERE FOR LIVE WEBSITE

7.