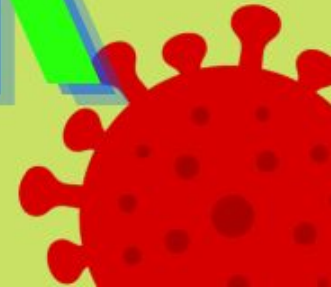


# VIRUS



# TRACKER



Created by:  
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Kim

# Inspiration

Recently, the Monkeypox cases has started to spread rapidly, causing alarm and concern. Therefore, we created the Virus Tracker. We wanted to inform users on the increasing cases of the Monkeypox and the ongoing cases of Covid-19.

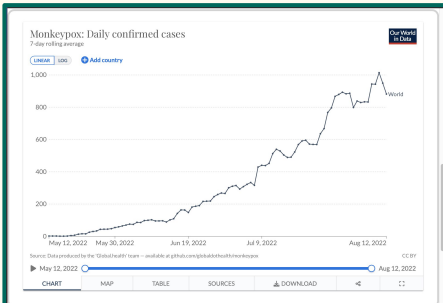
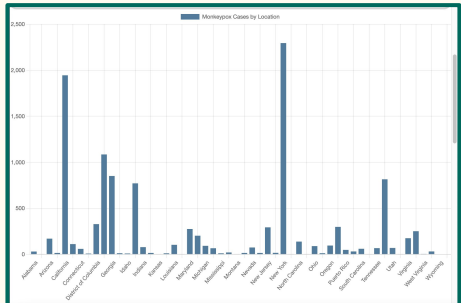
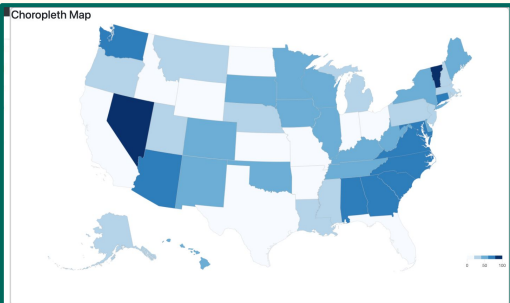
# Description

Our Virus Tracker allows users to track and notice the recent monkeypox virus and the ongoing coronavirus.

When the user visits the website, the users will be able to view the choropleth map, data table, and charts, indicating the amount of Monkeypox and Covid-19 cases. In the website, users are able to read and view the recent news on Monkeypox and Covid-19.

# Monkeypox

When user first clicks on the Monkeypox button on the website, they are sent to the Monkeypox News section, where they are able to view:



Country	May 12, 2022	Aug 12, 2022	Absolute Change	Relative Change
Andorra	0.43	0.14	-0.29	-67%
Argentina	1.71	1.42	-0.29	-17%
Australia	0.29	1.86	+1.57	+541%
Austria	0.14	5.43	+5.29	+3779%
Belgium	0.86	9.14	+8.28	+963%
Bolivia	0.71	1.14	+0.43	+61%
Brazil	0.71	105.29	+104.58	+14730%
Bulgaria	0.43	0.14	-0.29	-67%
Cameroon	0.43	0.14	-0.29	-67%
Canada	2.14	14.71	+12.57	+587%
Chile	0.86	8.29	+7.43	+864%

## What is the Monkeypox?

Watch on YouTube

## How to Avoid the Monkeypox

- Avoid close, skin-to-skin contact with people who have a rash that looks like monkeypox.**
  - Do not touch the rash or scabs of a person with monkeypox.
  - Do not kiss, hug, cuddle or have sex with someone with monkeypox.
- Avoid contact with objects and materials that a person with monkeypox has used.**
  - Do not share eating utensils or cups with a person with monkeypox.
  - Do not handle or touch the bedding, towels, or clothing of a person with monkeypox.
- Wash your hands often.**
  - Wash your hands often with soap and water or use an alcohol-based hand sanitizer, especially before eating or touching your face and after you use the bathroom.

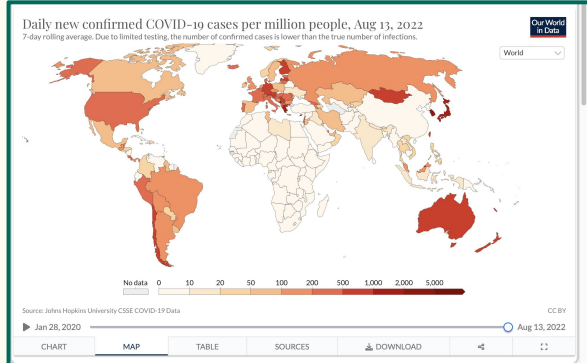
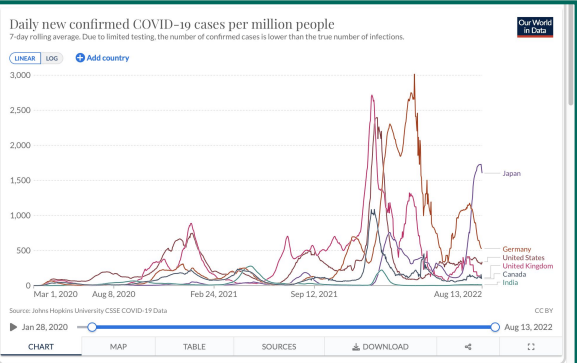
## Monkey Pox News

Letter obtained by CNN shows FDA defended new... Nye County reports first case of monkeypox, still...

What You Need to Know About Kids and Monkeypox

# Covid-19

When user first clicks on the Covid-19 button on the website, they are sent to the Covid-19 News section, where they are able to view:



New cases (per 1M)

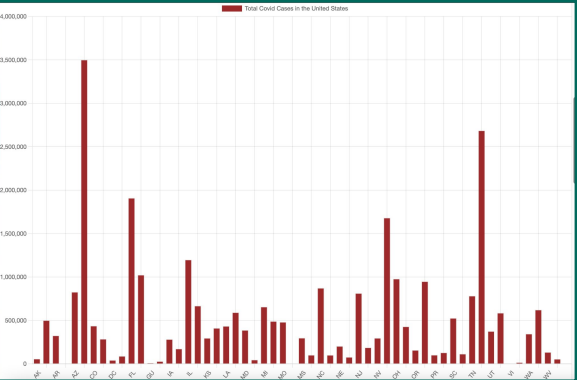
Country	Mar 1, 2020	Aug 13, 2022	Absolute Change	Relative Change
Afghanistan	0.02	6.10	+6.08	+33,767%
Africa	0.00	1.42	+1.42	
Albania	Mar 14, 2020 @ 1.90	218.64	+216.73	+11,395%
Algeria	0.00	2.80	+2.80	+93,367%
Andorra	Mar 7, 2020 @ 1.81	Aug 10, 2022 @ 191.60	+189.79	+10,497%
Angola	Mar 25, 2020 @ 0.01	0.00	-0.01	-100%
Anguilla	Apr 2, 2020 @ 27.21	0.00	-27.21	-100%
Antigua and Barbuda	Mar 18, 2020 @ 1.53	72.03	+70.49	+4,601%
Argentina	Mar 8, 2020 @ 0.04	Aug 7, 2022 @ 133.23	+133.20	+350,516%
Armenia	Mar 6, 2020 @ 0.05	Aug 8, 2022 @ 168.04	+167.99	+329,394%
Aruba	Mar 18, 2020 @ 5.36	257.46	+252.09	+4,700%
Asia	0.22	87.49	+87.27	+39,209%
Australia	0.07	864.57	+864.50	+1,309,853%
Austria	Mar 2, 2020 @ 0.14	Aug 12, 2022 @ 643.49	+643.35	+446,769%
Azerbaijan	Mar 6, 2020 @ 0.08	43.15	+43.07	+51,887%
Bahamas	Mar 21, 2020 @ 1.40	32.57	+31.17	+2,225%
Bahrain	4.59	387.29	+382.70	+8,340%
Bangladesh	Mar 13, 2020 @ 0.00	1.29	+1.28	+42,767%

Source: Johns Hopkins University CSSE COVID-19 Data

CC BY

Jan 27, 2020 Aug 13, 2022

CHART MAP TABLE SOURCES DOWNLOAD



## What is the Coronavirus?

What is a coronavirus? Elizabeth Cox

WHAT IS A CORONAVIRUS?

Watch on YouTube

Share

### 3D animation of covid-19

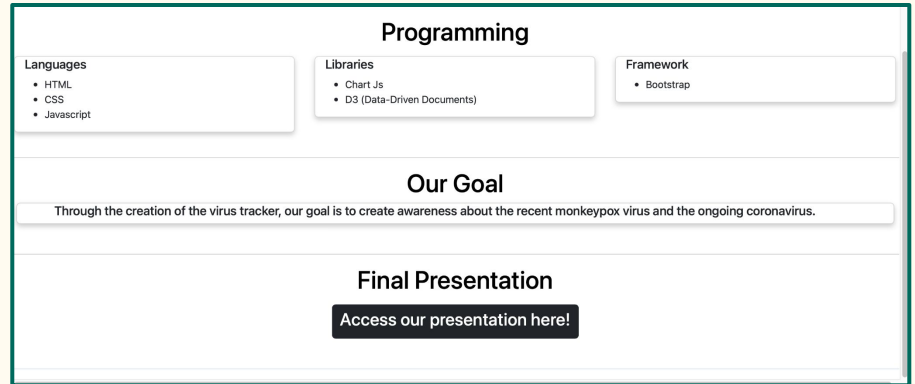
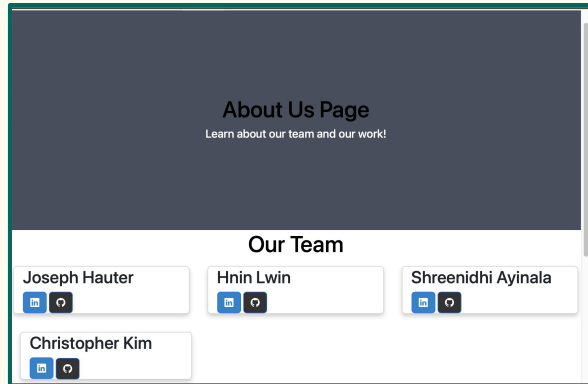
1463 Cvd-2 (Covid-19) by Forest Medical Animation

#### Covid-19 News

- Official: COVID-19 hospitalization rate stable at UHC in Bridgeport, West Virginia
- CLARKSBURG, W.Va. (WV News) - Hospitalizations for COVID-19 here seemed to have hit a bridgeport, but a concerning higher rate addresses how that compares in the past.
- An COVID deaths in Minnesota surpass 12,000, the risk profile has a twist! **11/10/22**
- COVID-19 - 40 new cases in 93561, Kern in a redium transmission range
- Davis residents can now view local COVID-19 rates tracked via wastewater testing
- Boston doctor answers back-to-school questions about COVID-19

# About Page

When the user clicks on the About button, they are sent to the About Us page, where they will be able to view our team and our work. They will be able to access each team member's linkedin and github accounts. It also showcases what programming we used, like the languages, libraries, and framework.



# Programming

- For our computer programming languages, we used HTML, CSS, and Javascript
- For the framework, we used Bootstrap.
- For the libraries, we used Chart JS and D3 (Data-Driven Document)
  
- Monkeypox Data: <https://github.com/globaldothealth/monkeypox>
- COVID-19 Data: <https://covidtracking.com/data/api>

# Challenges

- Dealing with data.
- Had an issue formatting a ton of json data to get fetched for our graphs so we had some problems connecting outside data with the code that we have
- Making our website interactive and up-to-date



# Accomplishments

- Utilize Chart.js to make a bar graph that included the recent monkeypox and covid-19 cases
- Included many interesting Bootstrap Framework
- Grew accustomed to how each team members work and quickly familiarize ourselves with what our strengths and weaknesses are
- Converted CSV and JSON data
- Using embed code to display on site
- Joined our first hackathon
- Completed our project to our satisfaction

# Our Goal

Our project's main purpose is to provide users with accurate information and recent updates regarding Monkeypox and Covid-19. Through our website, we hope that users are able to understand the current situation on Monkeypox and Covid-19.

Demo

Thank you!