

# Covid Tracker



---

## User Manual

Version 1.1

## Revision History

Date	Version	Description	Author
05/04/2020	1.0	Add tips for using Covid Tracker	Nick Bel
05/04/2020	1.1	Update format document	Cuong Nguyen
05/04/2020	1.1	Add side pages, picture + update info for each function	Cuong Nguyen

### 1. Introduction

#### 1.1 Purpose

**The purpose of this user manual is to provide the information necessary for user to make effective use of the covid tracker API designed by the Covid Tracker team at Texas Christian University.**

## 1.2 Project Overview

**The goal of this project is to provide a platform for users to keep track of the newest information about Covid-19. Our team has created a real-time COVID tracking web dashboard that provides current and historic data about the coronavirus pandemic. This data scopes the entire US, states, and counties. The range of data includes case data, deaths, vaccinations, and hospitalizations. Unlike other dashboards, our software prioritizes speed and user friendliness. We want users to be able to make informed decisions and draw meaningful conclusions related to the data they see.**

## 2. System Structure

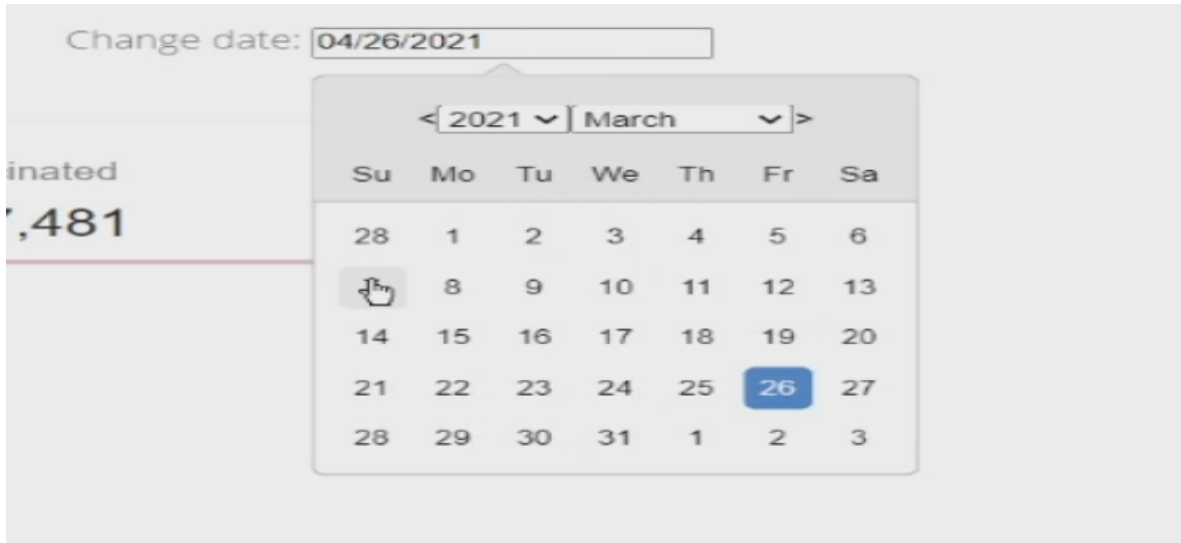
For the normal user, they can access to <http://covidtracker.games:8080/> to try all the features that our API provides.

For the future volunteer and developers, please sign up a permission on <https://github.com/covidtrackersenior/TCUCovidTracker> to get the newest code of our Front-End and Back-End project.

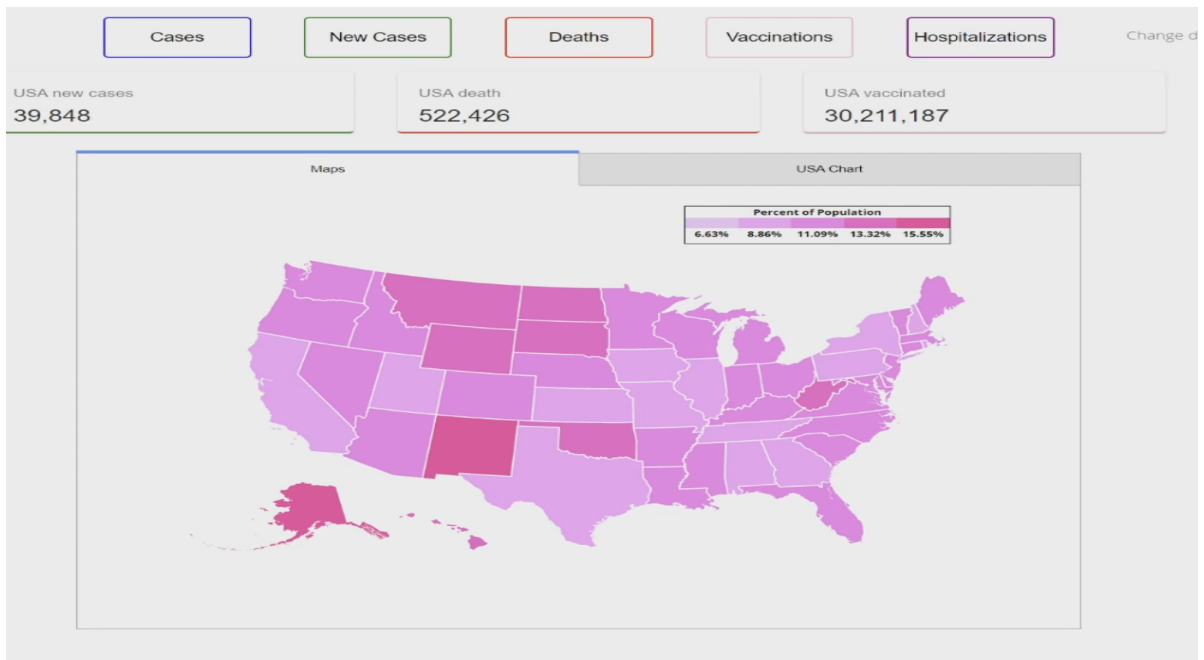
## 3. Instruction:

**Here are some helpful tips for using this Covid Tracker:**

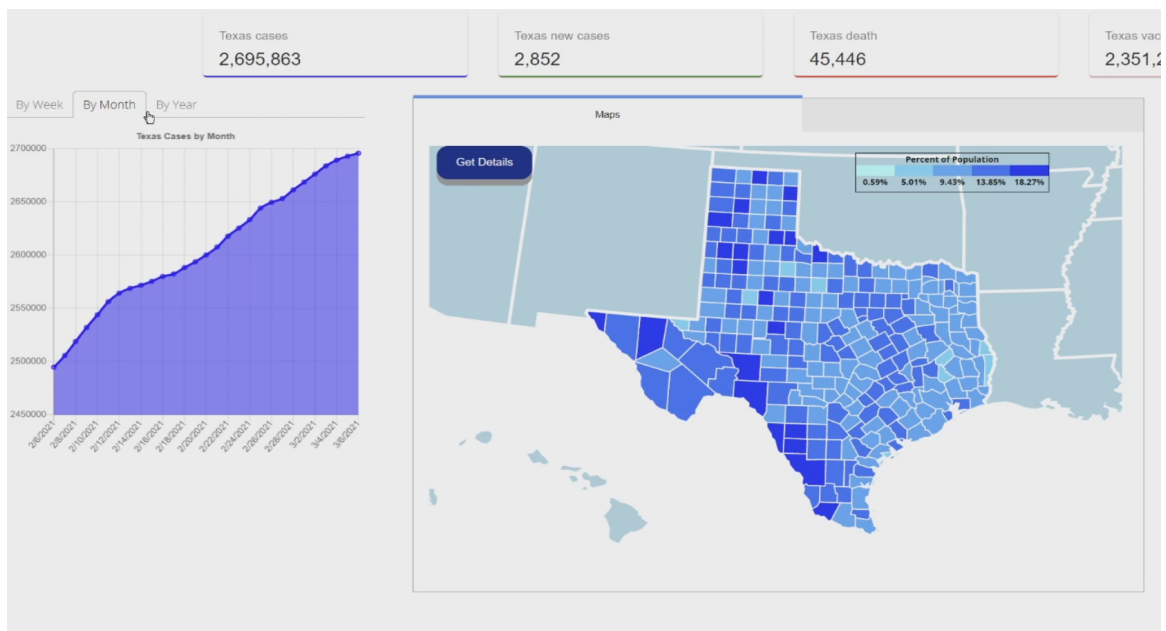
- Begin by clicking on the date displayed on the home page. This will display a calendar for you to select what day you would like to see data for. The most recently available day will always be yesterday because it takes some time for public data sources to update. By default, the home page will load data for the most recent day. NOTE: The oldest data begins at January 21st, 2020.



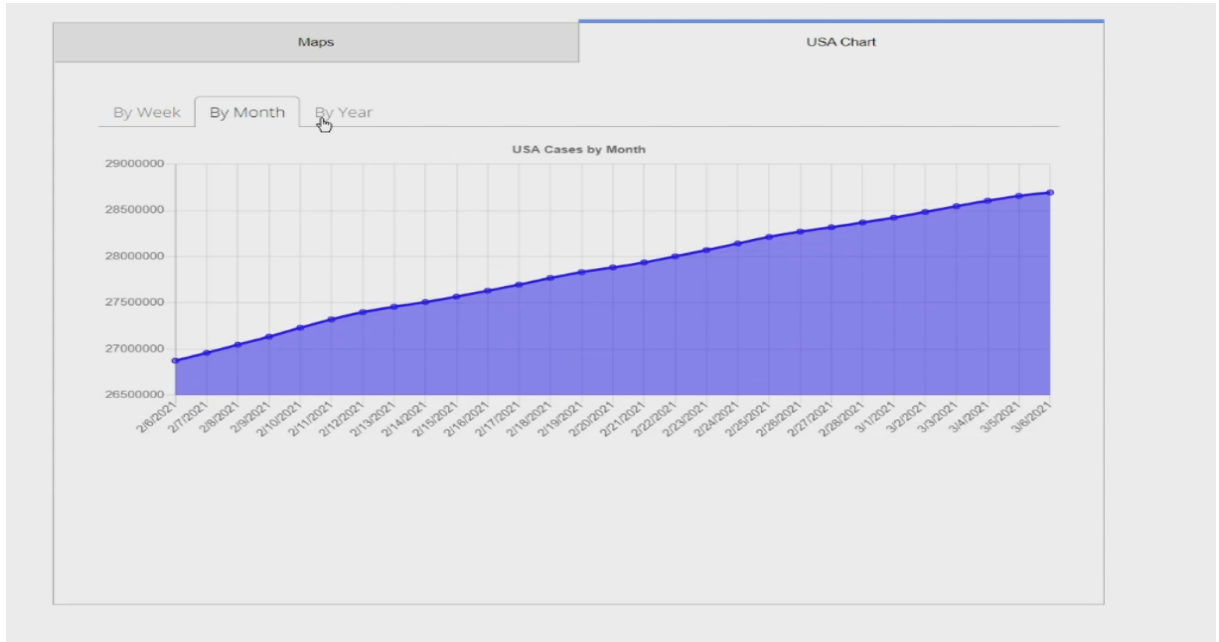
- There are color coded buttons at the top of the page that correspond to different types of data. Click any of the buttons to modify the map and graphs according to the data you would like to display. For visual clarity, each data type uses a unique color theme. NOTE: The data source for hospitalization data has been discontinued, and that button is not available after March 7th 2021. Similarly, publicly available vaccine data began on January 12th, and therefore is not available before then.



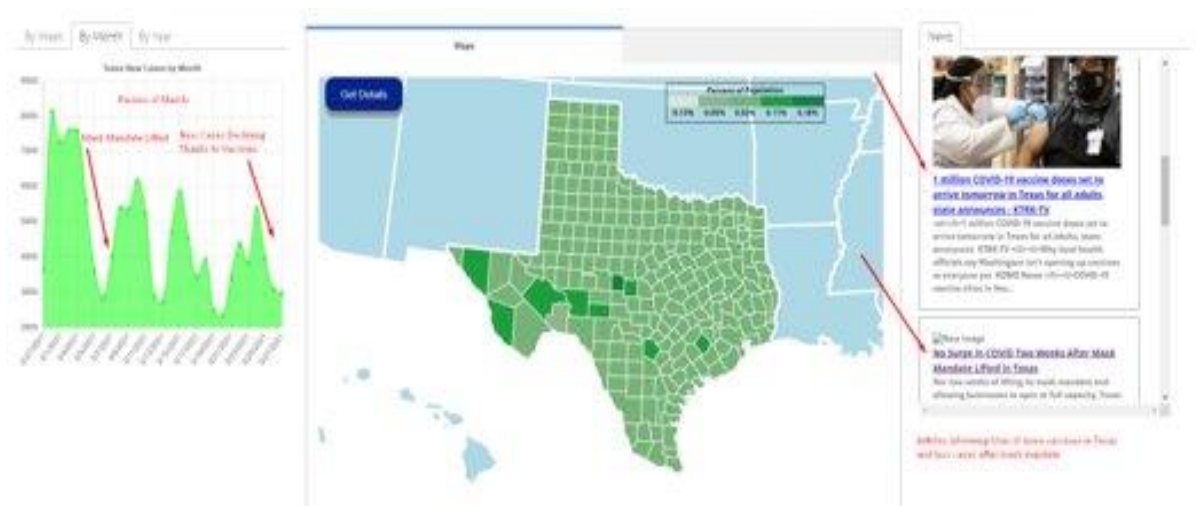
- Once you select the date and data you would like to see, please scroll across our interactive map of the U.S.! The map begins in the U.S. view. Hover the mouse over any state to see a tooltip representing the number of the data for that day, as well as what percentage of the population in that state is represented by the data. Left-click on any state to zoom into the state view and see a similar display for all the individual counties. Right-click within the map to zoom back out to the U.S. view. As you zoom into a state, a button will pop up nearby. Clicking this button will open additional tabs that display graphs and news for that state. If you click on a county, the graphs and news will update relative to the county that was selected. The map displays a legend with a choropleth effect that shades states and counties based on the percentage of people affected in those areas relative to its population.



- There is also a graph on the home page that displays data for the entire U.S.! All graphs provide the option to view trends for the last week, month, or year based on the date selected.



- The News tab queries articles related to Covid in the state/county that is selected. The date selected determines what date the most recent article must be published by to be shown. NOTE: News articles older than a month before the present date will not be returned.



- Finally, we have a search bar that allows users to quickly find the information they are interested in. Begin typing a state or county name to narrow down the search bar to a

list of options that when chosen will handle selecting the data options for you. This feature is especially useful if you know the name of a state or county but not the location of it on the map.

