**Covid 19 Tracker**

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**MISSION STATEMENT**

We will attempt to make a useful Covid-19 API that allows residents of Marion County, Indiana and its surrounding counties to track up-to-date Covid data. We’re choosing this project because as we enter in the winter months, Covid cases are rising and it will be helpful to stay mindful of infections.

**DATABASE**

**County table**

Properties:

County ID

County Name

County Population

**County Data table**

Properties:

Date of Data

New Daily Tests

New Daily Confirmed Cases

New Daily Deaths

Total Confirmed Cases (new daily confirmed cases + base number)

Total Deaths (new daily deaths + base number)

Tested Individuals Total (new daily tests + base number)

**State table**

Properties:

State ID

State Name

State Population

**State Data table**

Properties:

Date of Data

New Daily Tests

New Daily Confirmed Cases

New Daily Deaths

Total Confirmed Cases (new daily confirmed cases + base number)

Total Deaths (new daily deaths + base number)

Tested Individuals Total (new daily tests + base number)

**USER STORIES**

Cassandra, a mother of two elementary school aged children, would like to read recent Covid data for her county.

Zach, a nurse at a local hospital, would like to compare Covid data in his county with the rest of the state of Indiana.

Maximilian, a data entry worker, would like to add daily Covid figures to a database.

Samantha, a biology teacher, would like to read current Covid data for his and surrounding counties to add to his class lecture.

Jimbo, a restaurant owner, would like to assess local Covid data to determine whether Jimbo’s Fries Shack should remain open or close as a precautionary measure against covid.

Beavis, an agent at ISDH (Indiana State Department of Health), would like to update Covid data that was later found to be erroneous.

Juluis, another agent at ISDH, would like to delete Covid data to be completely replaced with updated data when an entire table entry is found to be erroneous.

Jackie, a doctor, would like to anticipate how many ICU beds they will need for the coming week by checking local Covid data.

Jamison, a journalist, would like to calculate Covid fatality rates as part of an article he is writing for the local news.

**FEATURES**

**Version 1.0 / MVP**

* User can enter current Covid daily figures by county.
* User can enter current Covid daily figures by state.
* User can retrieve current Covid daily figures and total figures by county.
* User can retrieve current Covid daily figures and total figures by state.
* User can retrieve current Covid daily figures and total figures by all counties.
* User can retrieve current Covid daily figures and total figures by all states.
* User can delete entries in the Covid County tables
* User can delete entries in the Covid State tables
* User can update entries in the Covid County tables
* User can update entries in the Covid State tables

**Version 2.0 / Stretch goals**

* User can compare individual county data to state data
* User can compare all county data to state data
* User can retrieve county data by date.
* User can retrieve state data by date.
* User can calculate fatality rate by county
* User can calculate fatality rate state
* User can calculate the total percentage of a county’s population that is infected
* User can calculate the total percentage of a state’s population that is infected
* User can calculate Covid cases per 100,000 county residents
* User can calculate Covid cases per 100,000 state residents
* Contact an external API

**TRELLO LINK**

<https://trello.com/b/LmPCKHEh/covid-data-api>

**TRELLO CALENDAR LINK**

<https://trello.com/b/LmPCKHEh/covid-data-api/calendar/>

**RESOURCES**

Johns Hopkins Coronavirus Resource Center

<https://coronavirus.jhu.edu/us-map>

https://www.coronavirus.in.gov/2393.htm