COVID-19 Tracker

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Introduction

- Covid-19 is a rapidly changing pandemic that is disrupting life not just in the US, but throughout the world.
- Our group believes that with effective information, users can make safer decisions and understand the US's status.
- There are Covid-19 dashboards on the internet already, but their design flaws hurt the user experience.

Problems and Solutions

- **Scope too wide:** Often, trackers present global data, which is difficult to search for smaller areas. Our group aims to provide data in a manner friendly for users in the US.
- **Overwhelming:** Many trackers immediately fill the entire screen with stats, graphs, and maps that are confusing to understand. Our group takes a minimal approach, with clearly defined borders and labeled buttons.
- **Slow:** Typically, Covid-19 trackers are slow due to loading all data at the start. Our group's design quickly loads more specific data as the user asks for it.
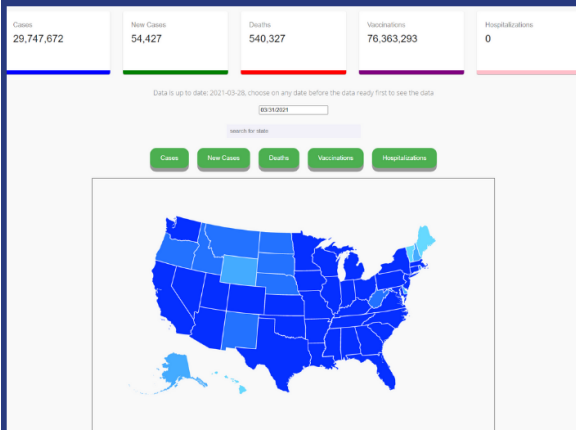
Main Features

- Interactive, user-friendly map of the US.
- View total cases, deaths, and vaccination data up to any date.
- Search by state or county, with graphs of recent trends.
- See relevant news related to your search.

Architecture & Tech Stack

- Backend: MongoDB database updates daily using public sources.
- Frontend: Multi-Component structure using ReactJS.

Acknowledgements

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References

- New York Times Data: https://github.com/nytimes/covid-19-data
- MongoDB: https://www.mongodb.com/
- ReactJS: https://reactjs.org/

covidtracker2021.herokuapp.com