

Flu Vaccinating Analysis

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Are you looking for a comprehensive tool to help you stay on top of the flu vaccination situation in the US?



Are you looking for a **one-stop shop** for all your flu vaccination needs?

Do you want to plan ahead and schedule your flu shot at a convenient time?

Look no further than our new R Shiny app!

Dataset Introduction

The Vaccines.gov Dataset

powered by VaccineFinder

- Provider Information
- Vaccine Information



The Vaccines.gov Dataset

Provider Information

providers' names, addresses, phone numbers, zip codes, and locations, insurance_accepted, walkins_accepted, etc

Vaccine Information

vaccine information including vaccine names, in stock or not, supply levels, etc

Link:

https://data.cdc.gov/Flu-Vaccinations/Vaccines-gov-Flu-vaccinating-provider-locations/bugr-bbfr

Dataset Introduction

Field Name	Field Description	Data Type	Field Name	Field Description	Data Type
provider_location_guid	Vaccine Finder Provider ID	integer(36)	pre_screen	Web address (Pre-Screen link)	varchar(255)
loc_store_no	Chain store number for pharmacies only	integer	insurance_accepted	Accepts Insurance?	boolean
			walkins_accepted	Accepts Walk-ins?	boolean
loc_phone	Location phone number	varchar (128)	provider_notes	Notes to display on the provider details page	varchar (1000)
loc_name	Provider Location Display Name	varchar (255)	searchable_name	Name of searchable flu vaccine	varchar(255)
loc_admin_street1	Street address 1	varchar (255)	In_stock	Is this vaccine in stock for the public at this location?	boolean
loc_admin_street2	Street address 2	varchar (255)			
loc_admin_city	City	varchar (255)	_supply_level	The Supply level availability code (number)	integer
loc_admin_state	State	varchar (2)			
loc_admin_zip	Postal Code	varchar (10)			
sunday_hours	Open hours for Sunday	varchar(255)			
monday_hours	Open hours for Monday	varchar(255)	date_last_updated	Date the "on hand quantity (number)" was last	date
tuesday_hours	Open hours for Tuesday	varchar(255)		updated	
wednesday_hours	Open hours for Wednesday	varchar(255)	Latitude	latitude	varchar(255)
thursday_hours	Open hours for Thursday	varchar(255)	Longitude	longitude	varchar(255)
. –			Category	Is this vaccine a COVID or Seasonal Flu vaccine?	varchar(255)
friday_hours	Open hours for Friday	varchar(255)			

Data Pipeline

Vaccine.gov



Shiny App Introduction

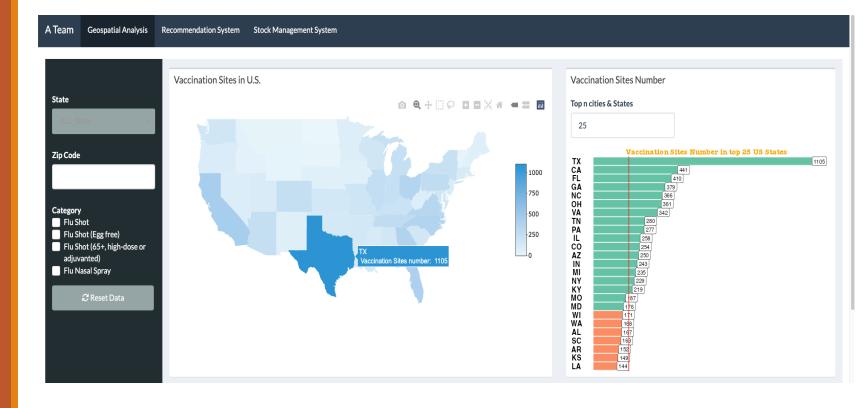
Geospatial Analysis

Recommendation System Stock Management System

Geospatial Analysis

- Input Widgets
- Interactive Map
- Interactive Table
- Interactive Bar Chart
- Interactive Pie Chart

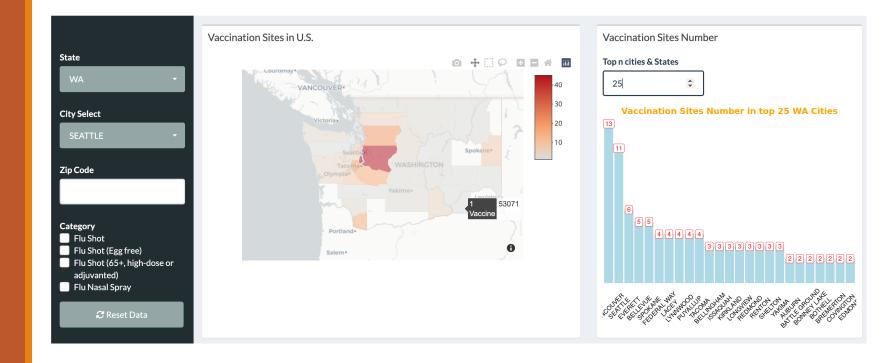
☐ Input: State, City, Zip Code, Flu Category, bars num
☐ Interactive Map: Vaccination Sites Distribution in US
☐ Interactive Bar Chart: Vaccination Site Number in top n States



Geospatial Analysis

- Input Widgets
- Interactive Map
- Interactive Table
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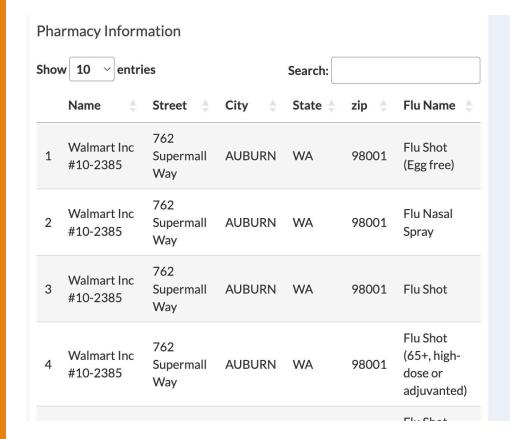
- ☐ Input: State, City, Zip Code, Flu Category
- ☐ Interactive Map: Vaccination Site County distribution in selected State
- ☐ Interactive Bar: Vaccination Site Number in top n cities of selected state

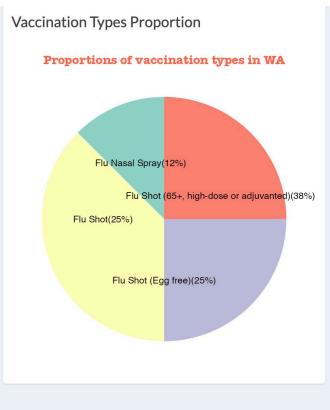


Geospatial Analysis

- Input Widgets
- Interactive Map
- Interactive Table
- Interactive Bar Chart
- Interactive Pie Chart

☐ Input: State, City, Zip Code, Flu Category
☐ Interactive Table: Pharmacy information in selected state /city/zip code/flu category
☐ Pie Chart: Proportions of Vaccination Types in selected state

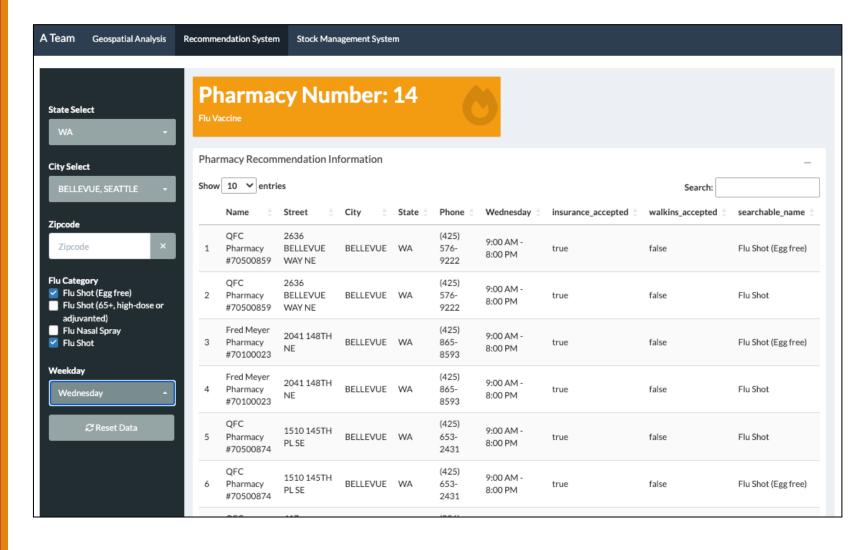




Recommendation System

- Input Widgets
- Interactive Table
- KPI Card

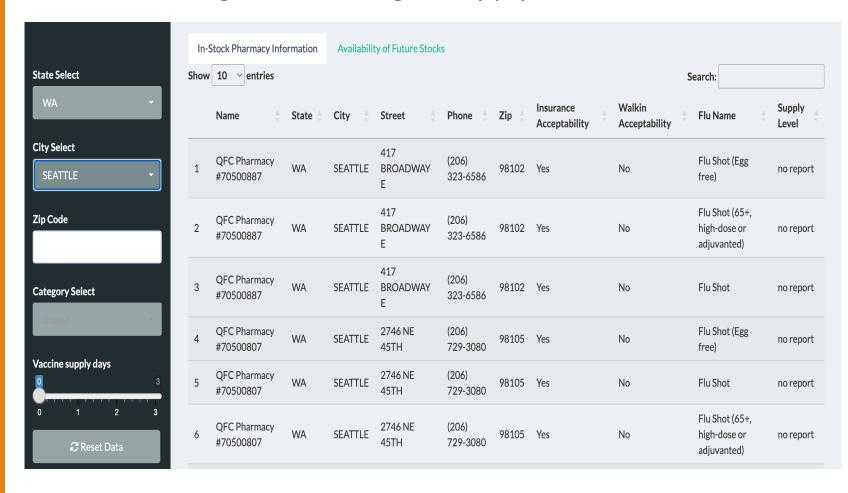
- ☐ Input: State, City, Zip code, Flu Category, Weekday
- ☐ Interactive Table: Pharmacy Recommendation Information
- ☐ KPI Card: the Number of Available Pharmacies



Stock Management System

- Input Widgets
- Interactive Table
- Interactive Bar Chart

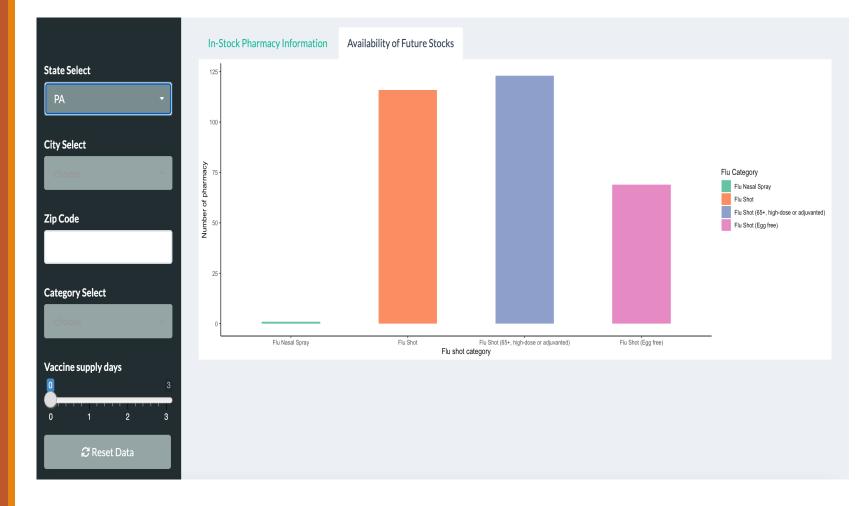
- ☐ Input: State, City, Zip Code, Flu Category, Supply days
- ☐ Interactive Table: Stock Management Information
- ☐ Interactive Bar Chart: Vaccination distribution in selected region according to supply level



Stock Management System

- Input Widgets
- Interactive Table
- Interactive Bar Chart

- ☐ Input: State, City, Zip Code, Flu Category, Supply days
- ☐ Interactive Table: Stock Management Information
- ☐ Interactive Bar Chart: Vaccination distribution in selected region according to supply level



Let's try our system!!!

Don't forget to get vaccinated in a timely manner for your own and others health.