

# **Medication Visualizer**

User Manual

Team: Apollo

1.0	0	Medication Visualizer	3
2.0	0	Home Page	3
3.6	0	Search Medicine	3
3	3.1	Search by medication name	3
3	3.2	Search by medication ID	4
3	3.3	Search by medication coding system	4
3	3.4	Search by medication code	5
3	3.5	Search by medication ingredient	5
3	3.6	Search by medication form	6
3	3.7	Search by medication expiration year	7
3	8.8	Search by medication batch lot number	7
4.(	0	Dashboard	8
5 (	0	Contact Information	10

#### 1.0 Medication Visualizer

The application can be accessed using below link:

https://apps.hdap.gatech.edu/medviz2-frontend

The application has three sections-

- The Home page
- The Dashboard page
- The Search Page

## 2.0 Home Page

The home page or the landing page list the basic details about the application. It features the functionalities of Search and Dashboard pages

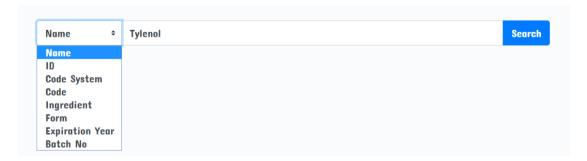
#### 3.0 Search Medicine

Search functionalities allow users to search for medications with dropdown options and display results in a table. Various search options are available. Review them in details below

## 3.1 Search by medication name

Search by medication name allows the user to search an Rx with its generic brand name.

On the Search screen, select "Name" from the dropdown and enter the Rx name.



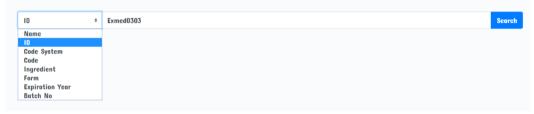
In the above example, the search was performed on "Tylenol." The results are displayed below.



## 3.2 Search by medication ID

Search by medication ID allows users to search an Rx with its ID.

On the Search screen, select "ID" from the dropdown and enter the Rx ID



In the above example, the search was performed on "Exmed0303". Results are displayed below



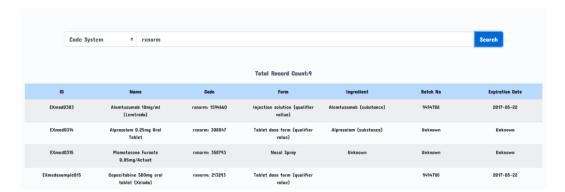
## 3.3 Search by medication coding system

Search by the medication coding system allows users to search an Rx with its coding system.

On the Search screen, select "Code System" from the dropdown and enter the Rx Code System



In the above example, the search was performed on "rxnorm". Results are displayed below



#### 3.4 Search by medication code

Search by medication code allows users to search an Rx with its code in the coding system.

On the Search screen, select "code" from the dropdown and enter the Rx Code



In the above example, the search was performed on "0169-7501-11". Results are displayed below



### 3.5 Search by medication ingredient

Search by medication ingredient allows users to search an Rx with its medication ingredient.

On the Search screen, select "Ingredient" from the dropdown and enter the Rx Ingredient



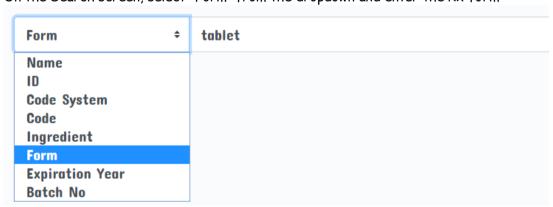
In the above example, the search was performed on "Acetaminophen." The results are displayed below.



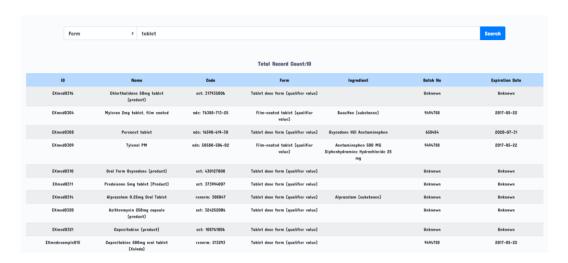
## 3.6 Search by medication form

Search by medication form allows users to search an Rx with its medication form.

On the Search screen, select "Form" from the dropdown and enter the Rx form



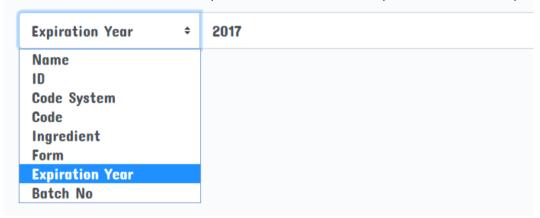
In the above example, the search was performed on a "tablet." Results are displayed below



## 3.7 Search by medication expiration year

Search by medication expiration year allows users to search Rx with an expiry date.

On the Search screen, select "Expiration Year" from the dropdown and enter the year



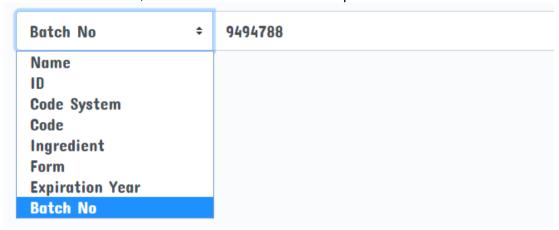
In the above example, the search was performed on the expiry year "2017". Results are displayed below



## 3.8 Search by medication batch number

Search by medication batch number allows users to search an Rx with the batch number.

On the Search screen, select "Batch No" from the dropdown and enter the batch number



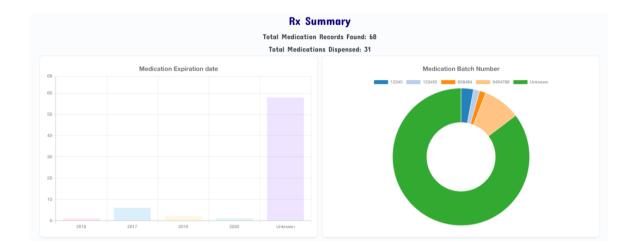
In the above example, the search was performed on the batch number "9494788". The results are displayed below.



#### 4.0 Dashboard

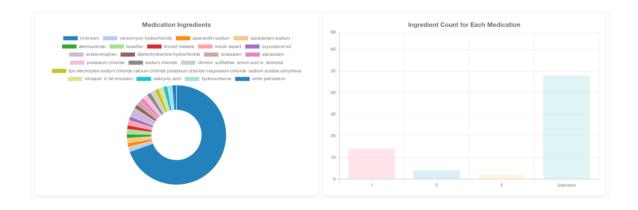
The dashboard is a single page display of all the important aspect of medications visualization as charts

Bar graph displaying the number of medications expiring for a certain year Doughnut graph displaying the quantity of medications that belong to a particular batch



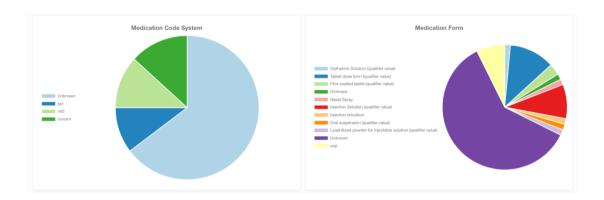
Doughnut graph of the ingredients of all medications

Bar graph of the number of ingredients that make up a medication



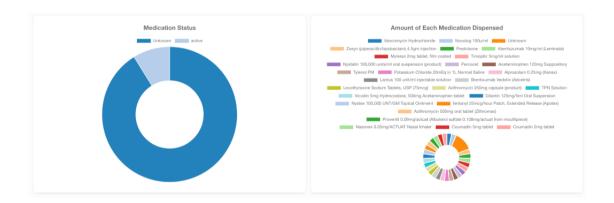
Pie chart of the number of medications to belong to each medication code system

Pie chart of the quantity of medications for each medication form



Doughnut chart of the status for active medications

Doughnut chart of the medications that were dispensed and the quantities in which dispensed



## 5.0 Contact Information

For any additional feedback and suggestion, please reach out to the Medication Visualization team.