Population Explorer Tool in WVHIN Portal

WEST VIRGINIA HEALTH INFORMATION NETWORK

V1.3.2026

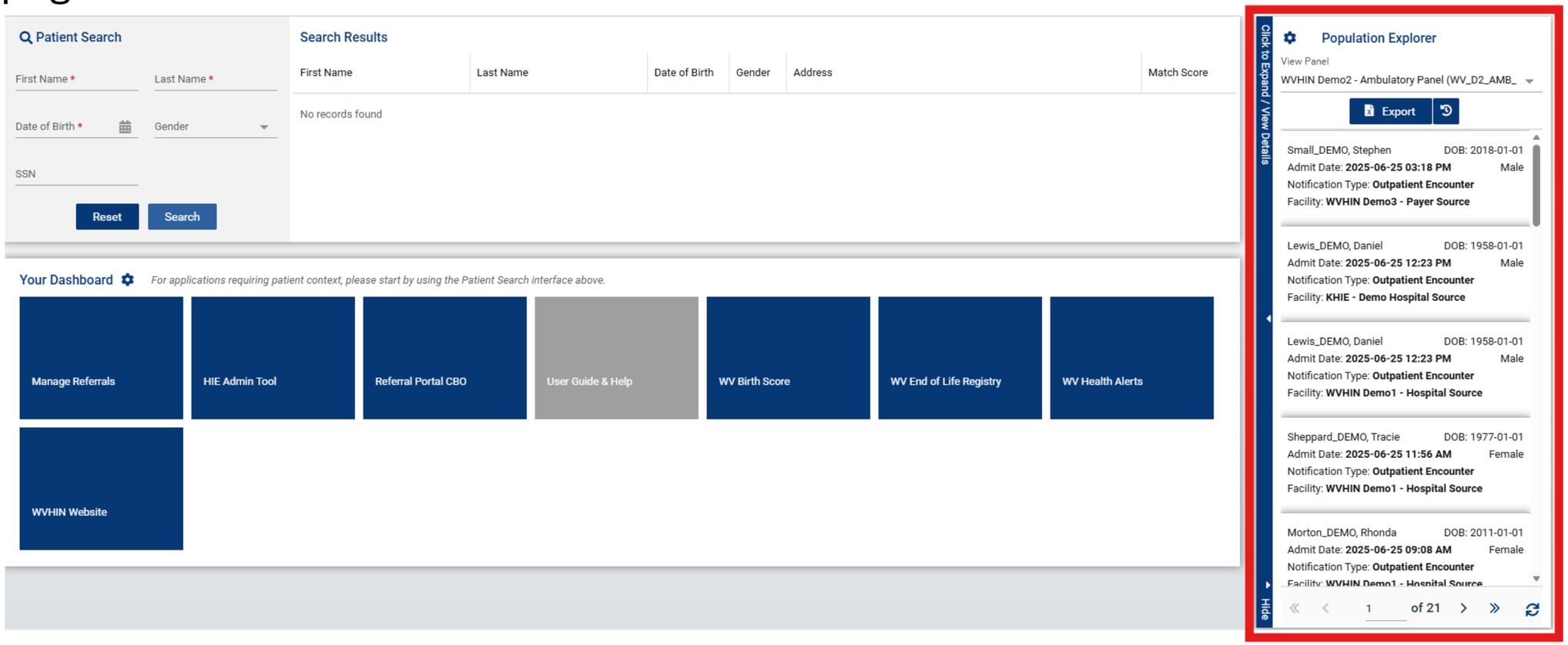
What is Population Explorer?

- Population Exp is a tool that enables **near-real time encounter**, logic-based, and preventive services **notifications** based on your organizations panel
  - Functionality to filter and save filters for future use
  - View notification details
  - Track notification status
  - Export notifications of interest into spreadsheet

- **Example Use Cases:**
  - Identify high Emergency Department utilizer (e.g., *filter for 3 or more ED visits in the last 90 days)*
  - Filter for specific visits or services *(e.g., wellness visits, cancer screenings)*
  - Filter for those with specific conditions based on ICD-10 codes *(e.g., Mental Health diagnosis, disease management)*

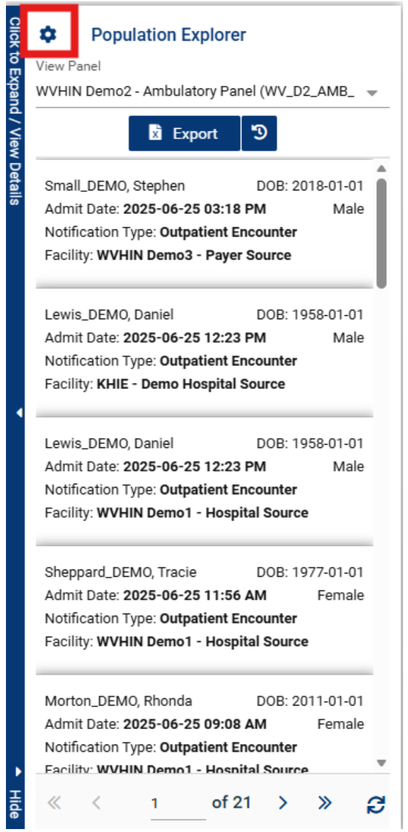
Accessing Population Explorer

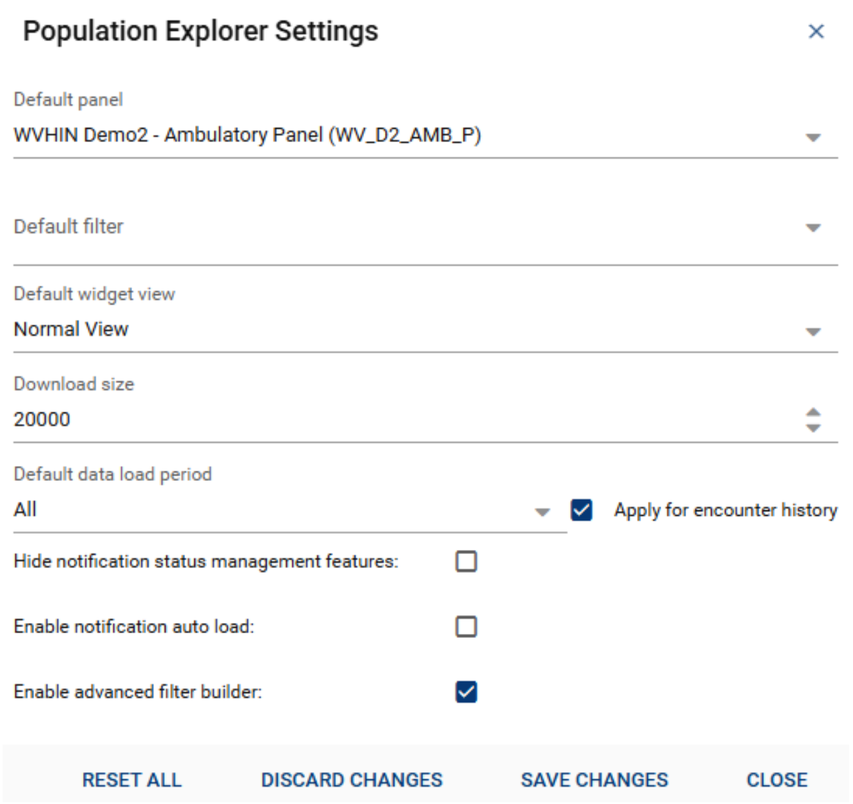
- Once your HIE Admin has provisioned this service for you via the HIE Admin tool, Population Explorer will appear on the right-hand side of your WVHIN Portal Landing page:



Population Explorer Settings

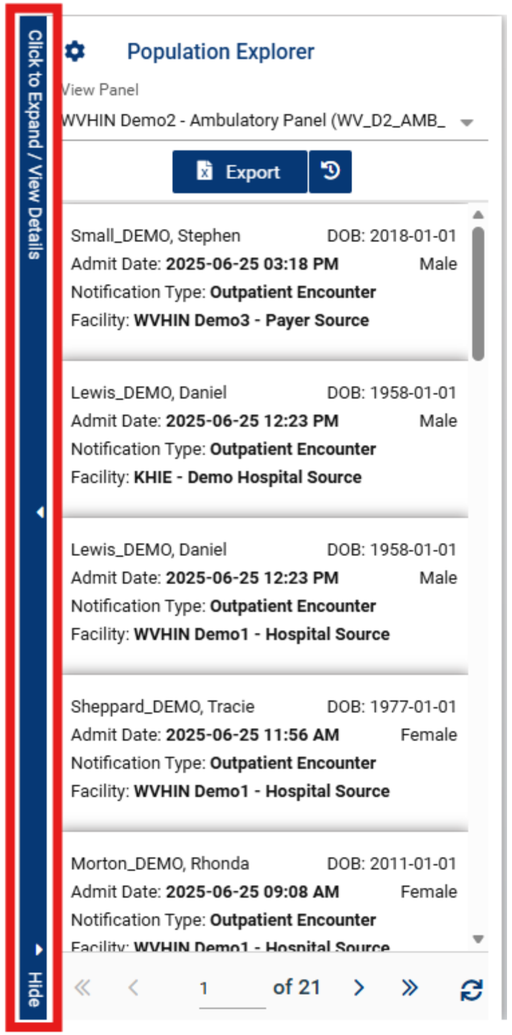
- Click the gear icon in the upper left corner of the Population Explorer tool to bring up user preference settings, such as:
  - Enabling Advanced Filter Builder
  - Changing download size
  - Setting your default panel (if you have access to one or more)

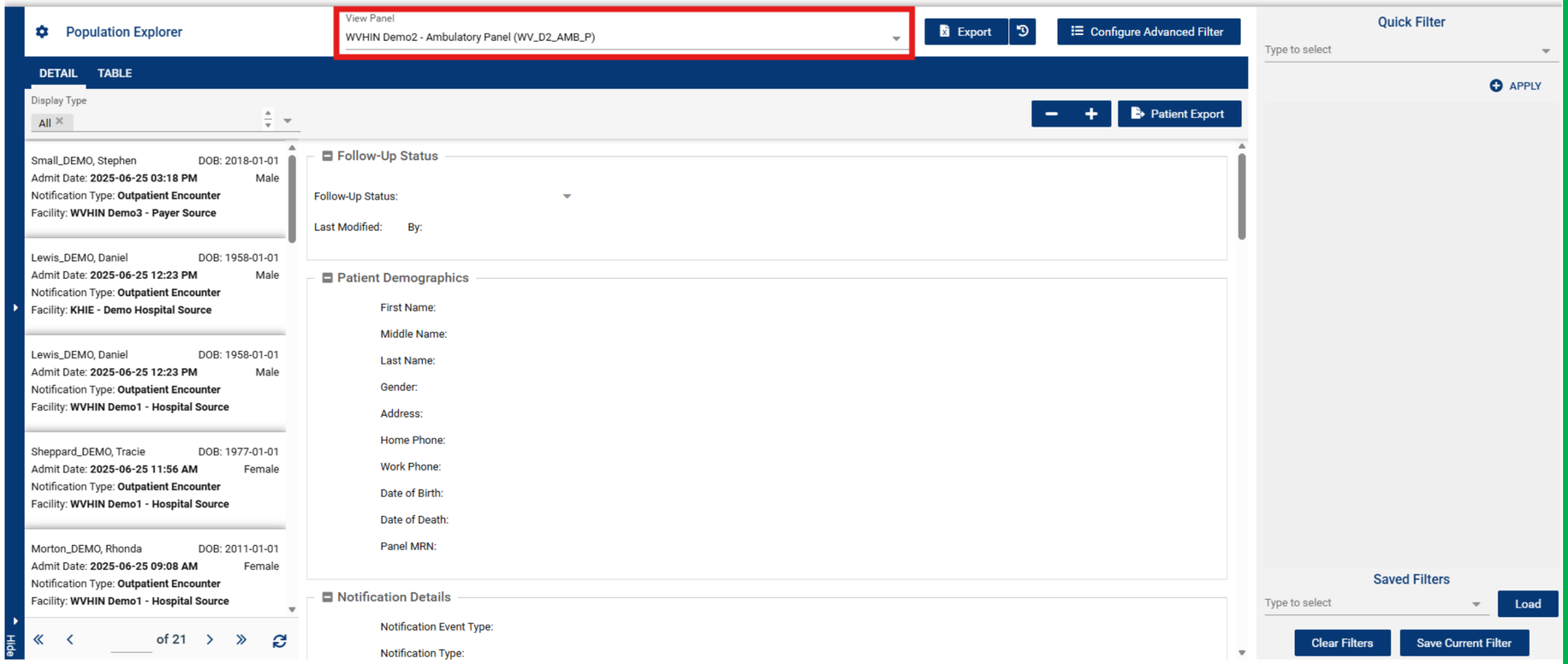




Expanded View of Population Explorer

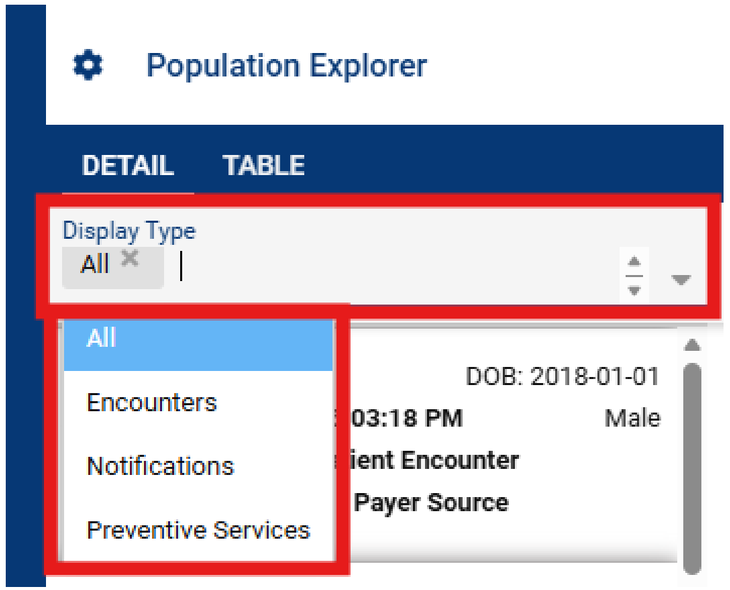
- Use the bar on the left to expand to full screen and use the “View Panel” dropdown at the top to select your panel if not already loaded:





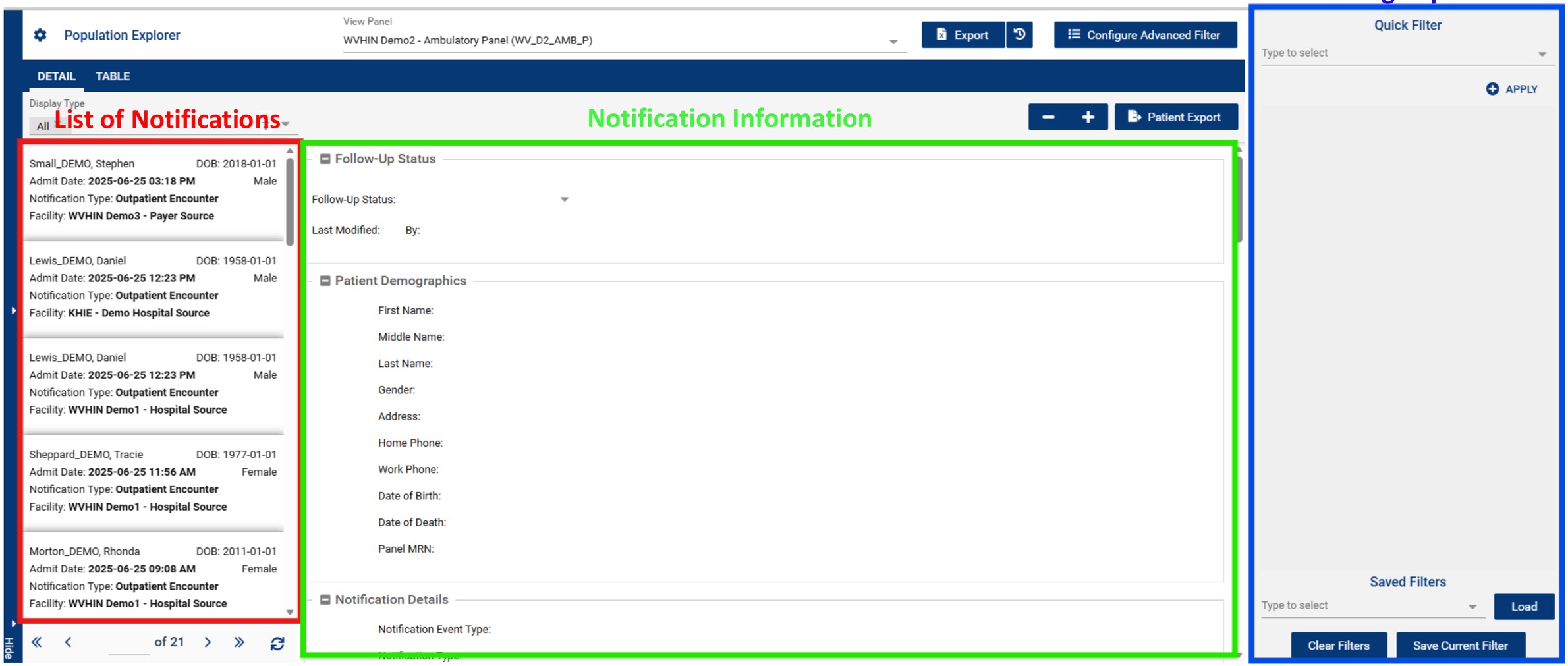
Displayed Notifications

- **Display Type Options:**
  - **<u>All</u>** – *includes all the options below:*
  - **Encounters**
    - Near-real time ADT encounter data – white notifications
    - Includes encounter details
  - **Notifications**
    - Logic-based alerts based on custom clinical logic – yellow notifications
    - Includes non-fatal overdose hospital alerts and death alerts
  - **Preventive Services**
    - Based on ADTs, CCDs, and diagnostic reports – green notifications
    - Includes Breast Cancer Screenings, Colorectal Cancer Screenings, and Cervical Cancer Screenings



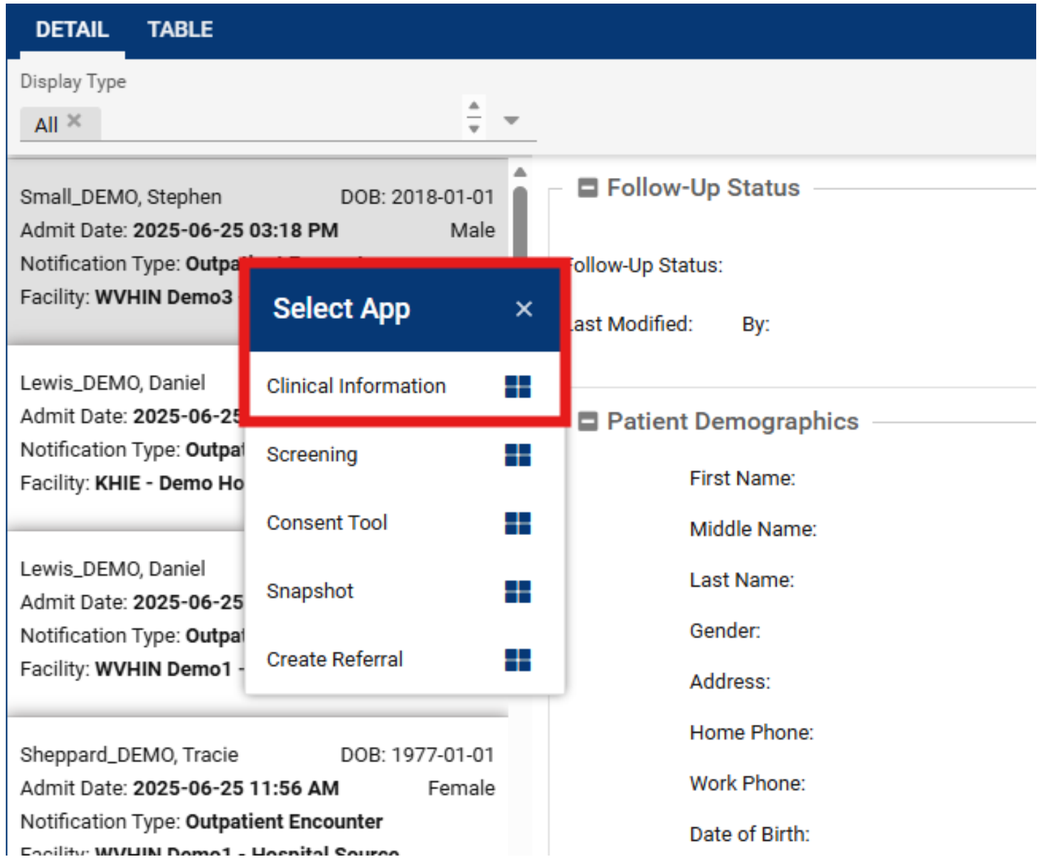
- Notifications will load every 20 minutes – a bell icon will appear in the top right corner when new notifications are available. The notifications do not "auto refresh."

Population Explorer Layout



Launch into Clinical Record

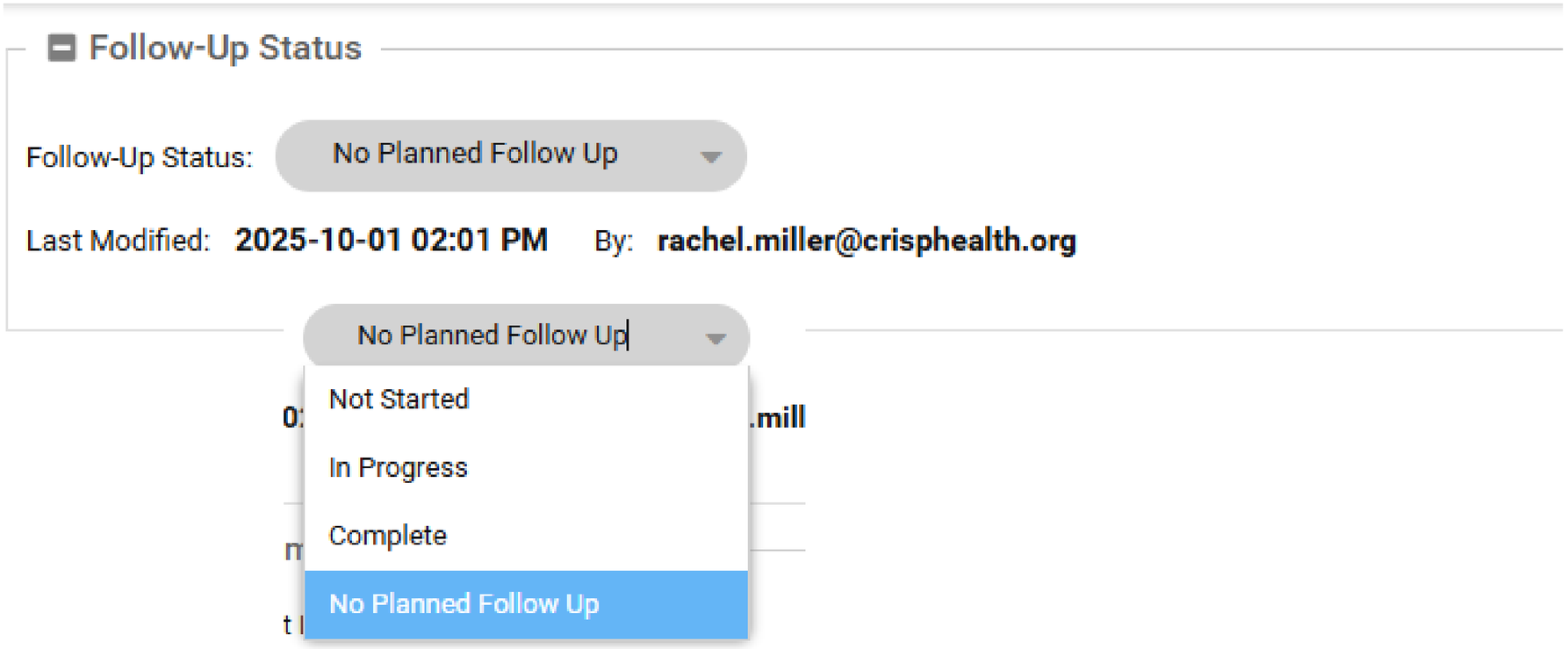
- Users can launch directly into a patient record from a Population Explorer notification by right clicking on the notification:



Notification Information – users can filter by:

- **Follow-Up Status** – *user defined picklist*
- **Patient Demographics**
- **Notification Details** – *logic-based alerts*
- **Panel Details**
- **Selected Encounter Details**
- **Preventive Services**
- **Risk Details** – *risk scores if provided on panel*
- **Aggregate Details**
- **Diagnosis Details**
- **Follow-Up Status History**
- **Encounter History**

Follow-Up Status



Patient Demographics

Patient Demographics

First Name:	**Daniel**
Middle Name:	
Last Name:	**Lewis_DEMO**
Gender:	**Male**
Address:	**405 Erin Burg, Lake Jennifer, WV, 24183**
Home Phone:	
Work Phone:	
Date of Birth:	**1958-01-01**
Date of Death:	
Panel MRN:	**110DEMO**

Notification Details

Notification Details

Notification Event Type:	**A08**
Notification Type:	**Non Fatal Overdose Alert Hospital Rule**
Past Emergency Visits:	
Past Inpatient Visits:	
Rule ID:	**NON_FATAL_OVERDOSE_HOSPITAL_GLOBAL**

Panel Details

Panel Details

ACO:	
Group:	**Green Valley**
Insurance Type:	
Location:	
National Provider Identifier (NPI):	
Practice:	**Practice South**
Primary Care Provider:	**Hard to Get Hold of PCP**

Selected Encounter Details

Selected Encounter Details

Admit Date / Time:	**2025-06-25 12:23 PM**
Event Date / Time:	**2025-06-25 01:55 PM**
Admit Source:	**Clinic or Physicians Office**
Care Manager:	**Care Team 3**
Care Manager Email:	
Care Program:	
Death Indicator:	
Discharge Date:	**2025-06-25 12:00 AM**
Discharge Disposition:	**Home or Self Care**
Discharge To Location:	
Encounter Type:	**Outpatient**
Facility:	**WVHIN Demo1 - Hospital Source**
Location from ADT:	
Facility Type:	**Hospital**
Insurance From ADT:	
Patient Class:	**O**
Patient Complaint:	**chemo unhook**
Primary Diagnosis Code:	
Primary Diagnosis Description:	
Provider:	

Preventive Services

Preventive Services

Category:	**Colorectal Cancer Screening**

Details:

Code:	
Description:	
Results:	
Test Name:	**COLONOSCOPY**
Data Source:	**Diagnostic Reports**
Document Evidence Date:	**N/A**
Event Date:	**2026-03-03**
Facility Name:	**Summersville Regional Medical Center**

Risk Details

Risk Details

Risk Methodology 1:	**Risk Methodology 1**
Risk Methodology 2:	
Risk Score 1:	**1.6**
Risk Score 2:	

Aggregate Details

Aggregate Details

Visit Type	Past Visits - Excludes Current Visit In Last:				
	30 Days	60 Days	90 Days	180 Days	365 Days
Inpatient	0	0	0	0	0
Outpatient	0	2	8	9	9
ER	0	0	1	1	1
OBS(Observation)	0	0	0	0	0

Diagnosis Details

Diagnosis Details

Diagnosis Code	Diagnosis Description
Z00.129	Encounter for routine child health examination without abnormal findings
Z71.3	Dietary counseling and surveillance
Z71.82	Exercise counseling
Z68.52	Body mass index BMI pediatric, 5th percentile to less than 85th percentile for age

Follow-Up Status History

Follow-Up Status History

Updated Date	Updated By	Status
12/17/2025	hmount@wvhin.org	In Progress

Encounter History – *6-month lookback*

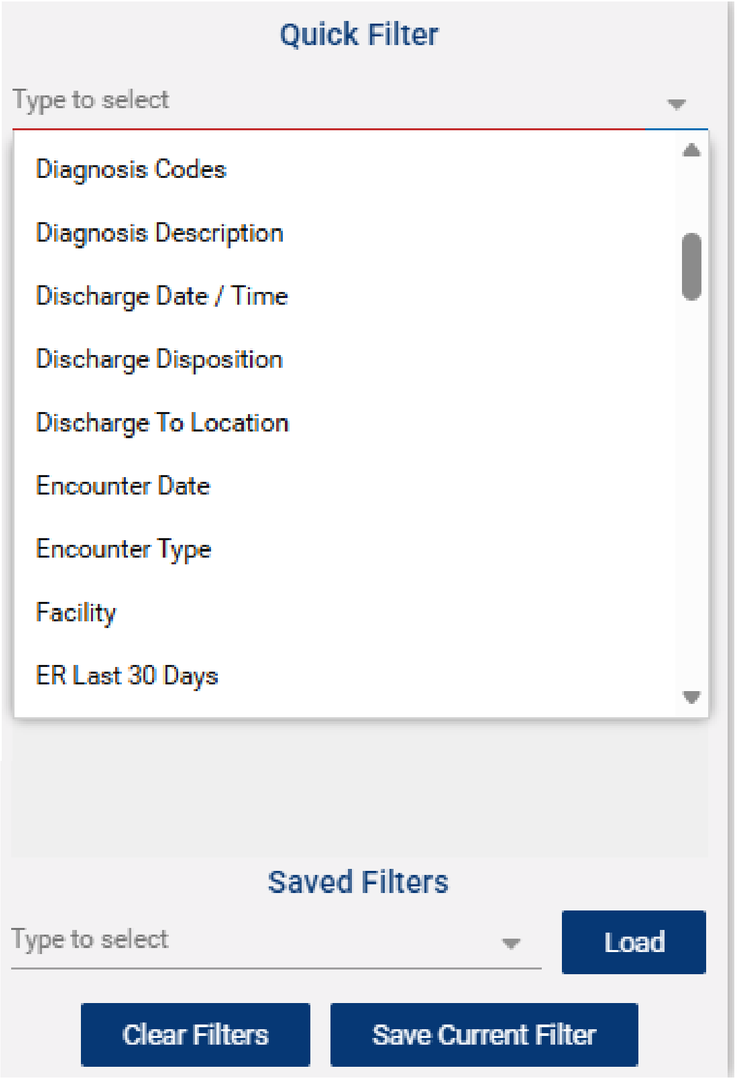
Users can click and launch these notifications to view additional details

Creating and Managing Filters

- Users can create, manage, save, and apply quick filters to the notification list using the ‘Quick Filter’ bar on the right-hand side of the screen

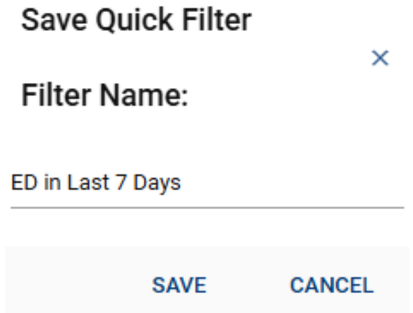
- Use the ‘Type to select’ dropdown to filter by one of the selected data elements:

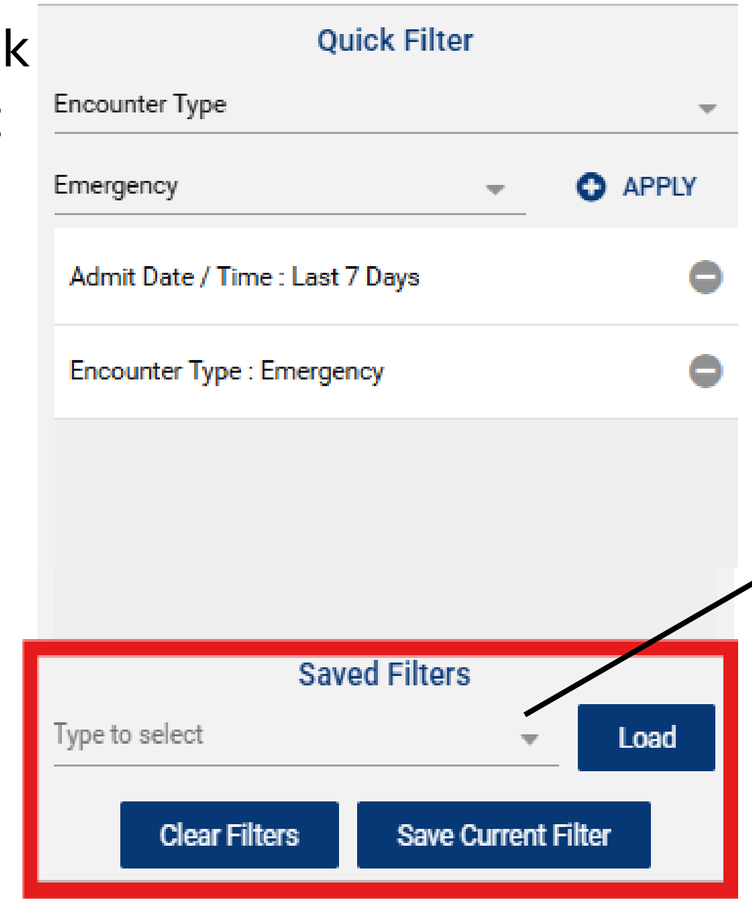
- Users can add as many filters as needed *– all filters are applied as ‘AND’ criteria*

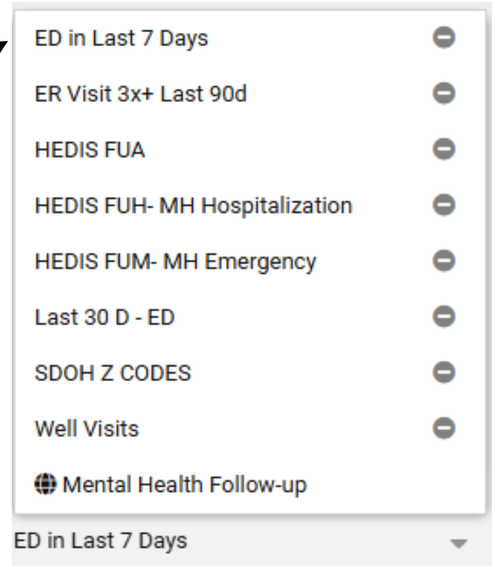


Saving Filters

- Once you have applied your filters, click ‘Save Current Filter’ in the bottom right corner
  - *You will be instructed to name your filter before saving*







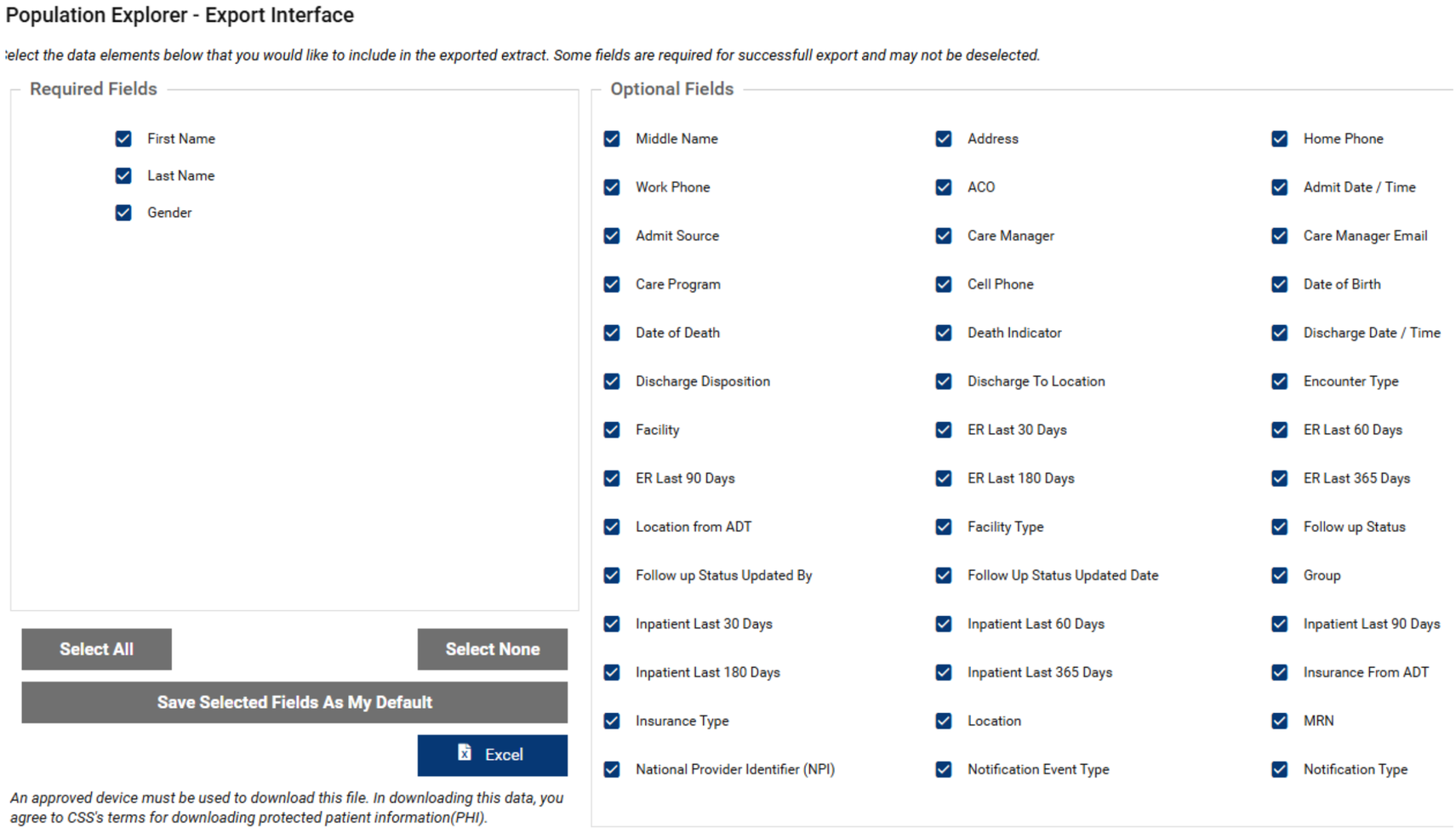
- This is where users can access previously saved filters:

Exporting Data

- Data can be exported from Population Explorer by clicking the

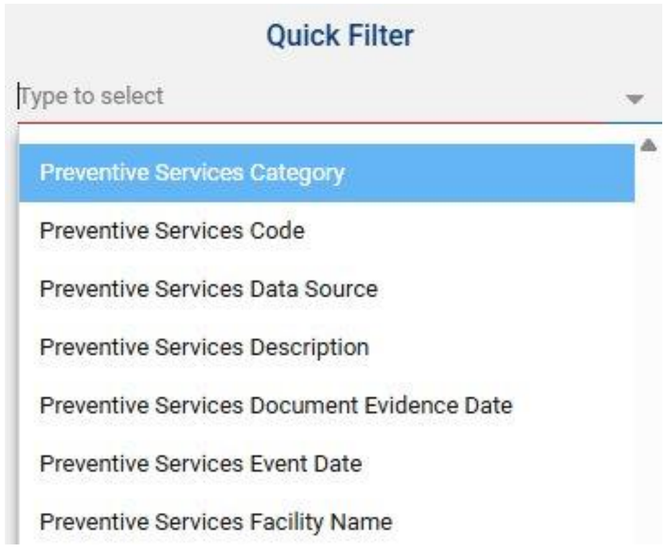
box
- This allows users to download a spreadsheet of the data
- All exports must be handled in accordance with HIPAA and appropriate security safeguards

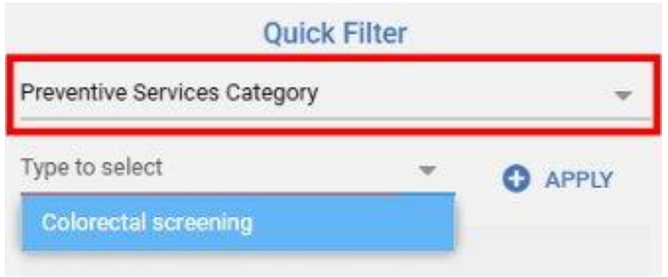
- Users can select fields to include in report:
  - *Users can also save selected fields for future runs*



Preventive Services Notifications

- Users can select Preventive Services from the Display Type drown-down menu or use Quick Filter to display notifications under the Preventive Services Category
  - Based on ADTs, CCDs, and diagnostic reports
  - Includes Breast Cancer Screening, Colorectal Cancer Screening, Cervical Cancer Screening





Preventive Services Notification Details

Preventive Services

Category:

Details:

Code:

Description:

Results:

Test Name:

Data Source:

Document Evidence Date:

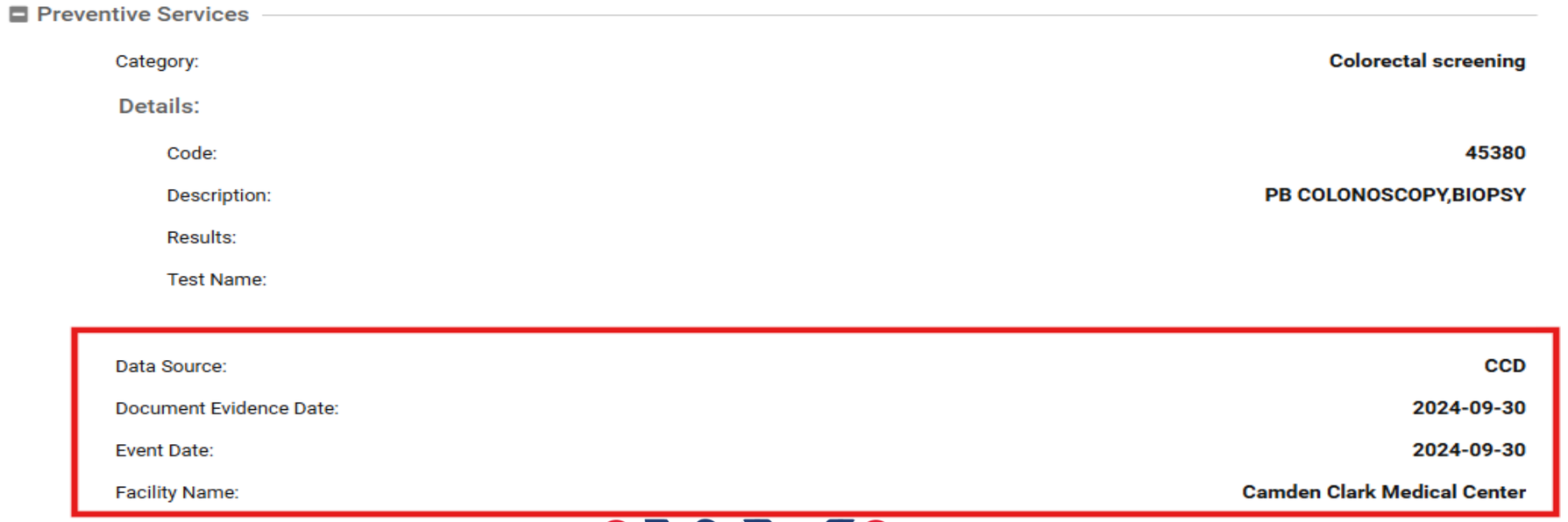
Event Date:

Facility Name:

Preventive Services Field	Description
Category	Type of preventive service
Code	Procedure/diagnosis code if available
Description	Description associated with code
Results	Indicates whether results are available – currently blank for all records
Test Name	Additional test name available or title associated with diagnostic report
Data Source	Type of data source – CCD, ADT, Diagnostic Reports. Hover over this field for more information about where to find the corresponding document
Document Evidence Date	Date of the corresponding CCD (if applicable)
Event Date	Date of the preventive service
Facility Name	Facility reporting the preventive service

How to Find Corresponding Source

- The Preventive Services Details Section tells users where to check and for when:
  - **CCD**: Clinical Info -> Structured Documents Tab -> Select CCD from date/source listed
  - **Diagnostic Report**: Clinical Info -> Health Records Tab -> Procedure note from date/source listed
  - **ADT**: Clinical Info -> Encounters Tab -> Find Encounter from date/source listed
    - *Note: Users can launch directly into record/clinical information by right clicking the notification displayed on the left*

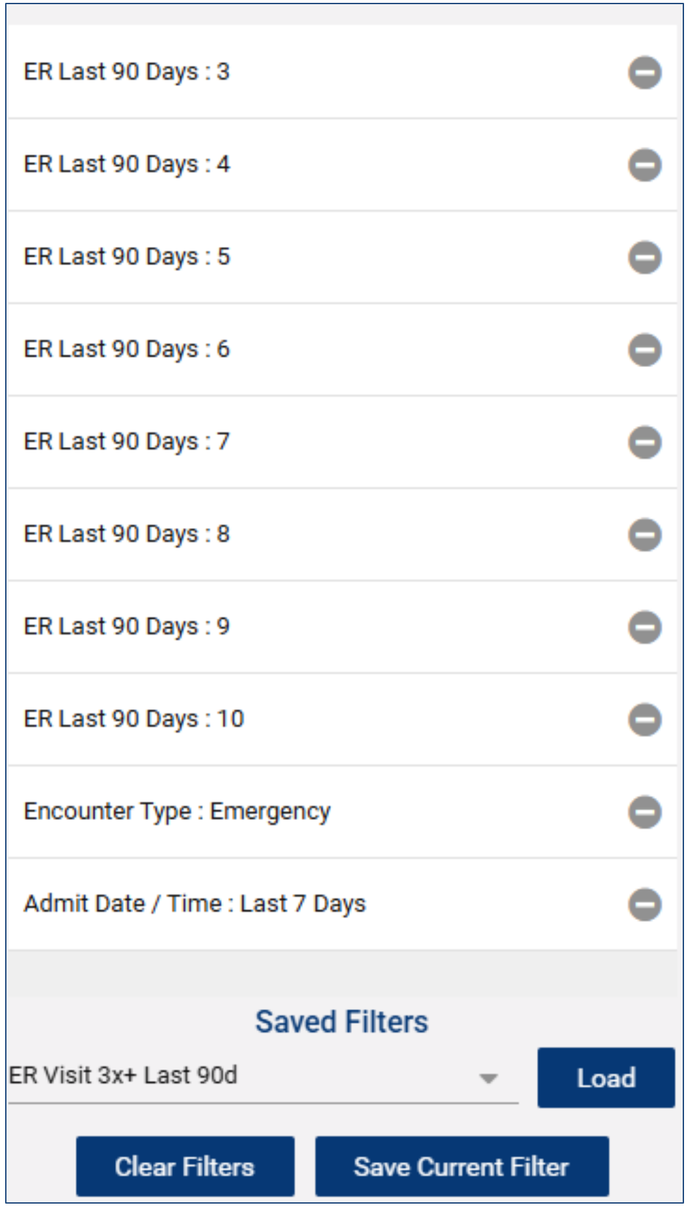


Example Use Cases

High ED Utilizer Filter

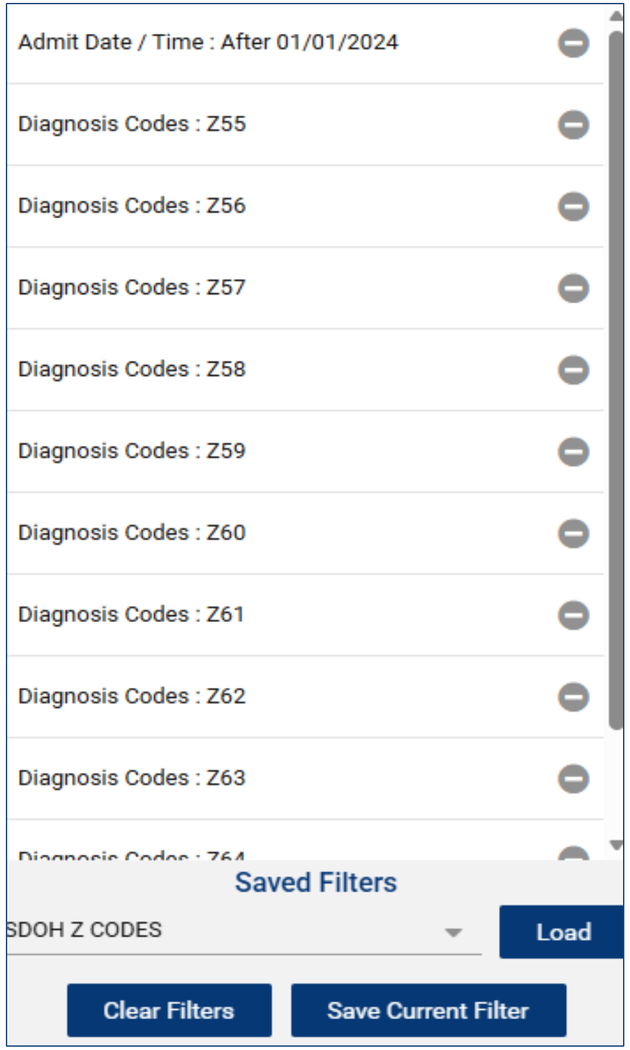
- Care Managers can quickly identify those who had an ED visit with a history of high ED utilization (i.e., more than 3 in the last 90 days)

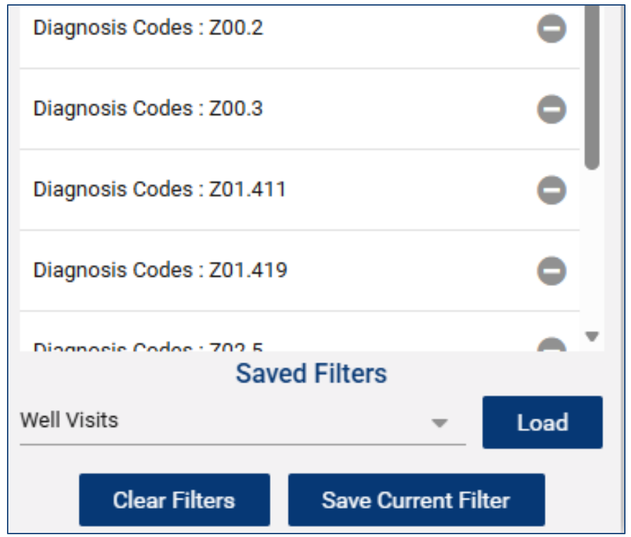
- In Population Explorer, users can filter by members who had an ED visit in the last 7 days who have a history of 3 or more ED visits in the previous 90 days from that emergency encounter:
  - FILTERS:
    - ER Last 90 Days: (# of ER visits)
    - Encounter Type: Emergency
    - Admit Date/Time: Last 7 Days

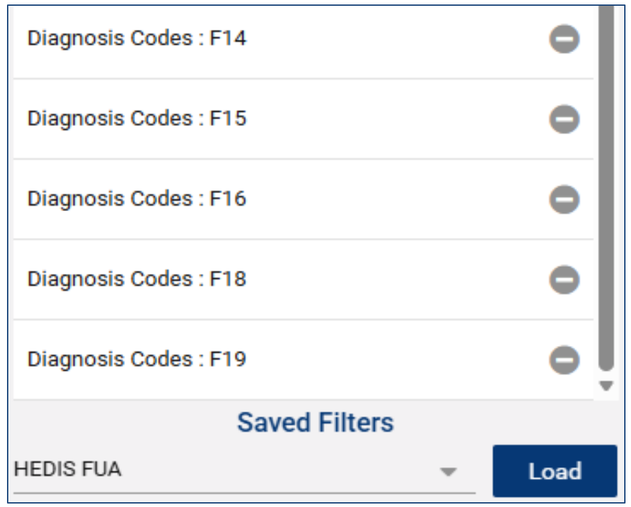


Filter by Primary Diagnosis Codes or by All Diagnosis Codes

- Users can filter by ICD-10 codes
  - Identify those who have had an SDOH Z-code submitted in the last month
  - Identify those who have had a wellness visit in the last year
  - Identify those diagnosed with a specific condition





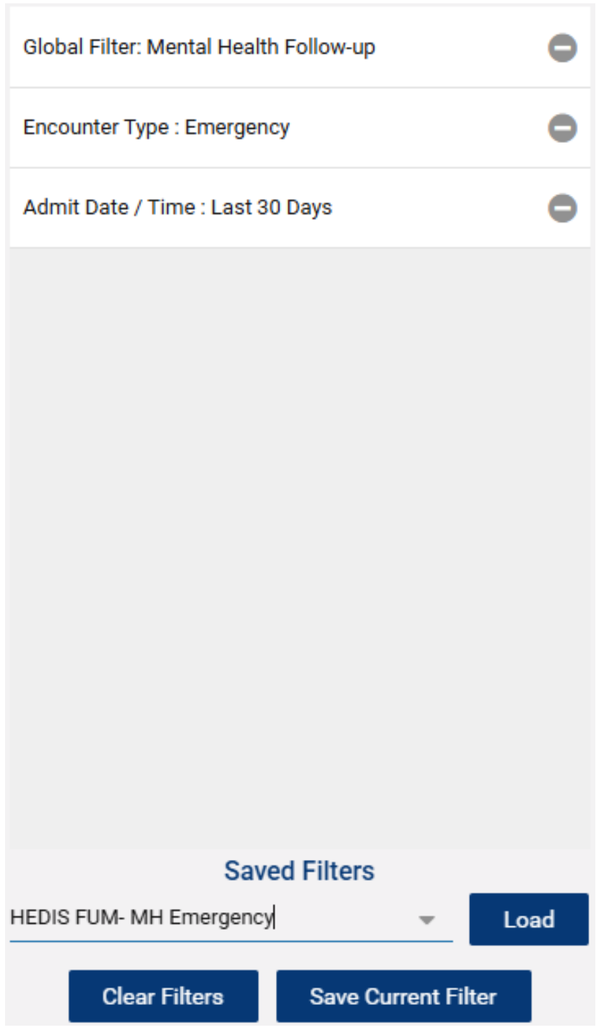


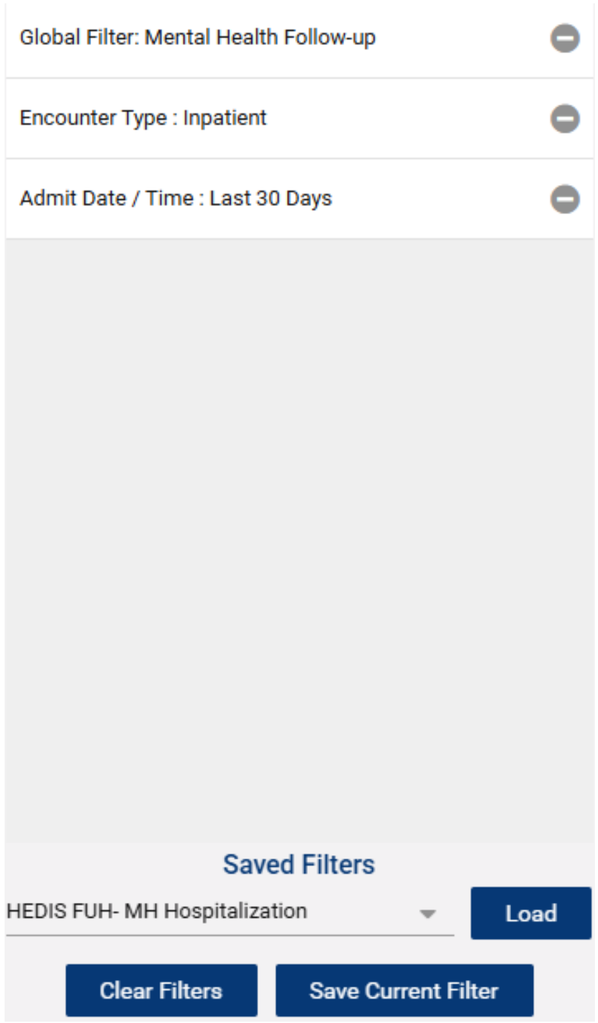
Available Filter – Mental Health Follow-up

- The Mental Health Follow-up filter in Population Explorer is based on ICD-10 codes associated with the **HEDIS** Follow-Up After Emergency Department Visit for Mental Illness **(FUM)** and Follow-Up After Hospitalization for Mental Illness **(FUH) measures**

- Choose **Mental Health Follow-up** from the **Saved Filters** menu at the bottom (denoted by a globe icon)

- Users can combine this filter with other Quick Filters to tailor to the specific measures





Thank You!

Additional learning materials for Population Explorer, such as filtering, Advanced Filter Builder, and more can be found on our website by clicking "Resources."