Population Explorer Filter: High ER Utilizers

ER VISIT 3x OR MORE IN 30 DAYS

V2.2.2026

WVHIN
WEST VIRGINIA HEALTH INFORMATION NETWORK

USE CASE

Population Explorer filter for care managers to quickly identify patients/consumers who had an ED visit with a history of high ED utilization (i.e., more than 3 in the last 30 days)

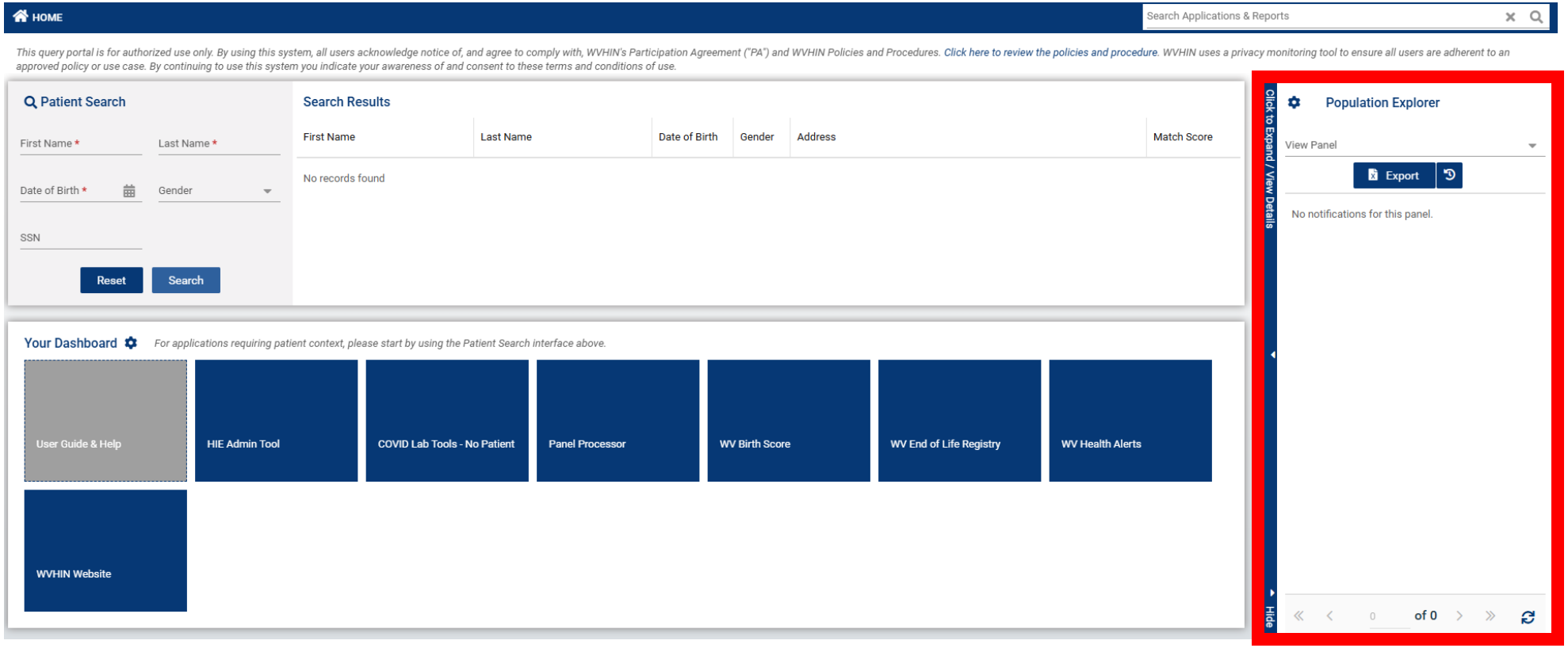
In Population Explorer, users can filter by patients/consumers who had an ED visit in the last 7 days who have a history of 3 or more ED visits in the previous 30 days from that emergency encounter.

What to filter:

- ER Last 30 days: (# of ER Visits)
- Patient Class: E (Emergency)
- Admit Date/Time: Last 7 Days

HOW TO ACCESS POPULATION EXPLORER

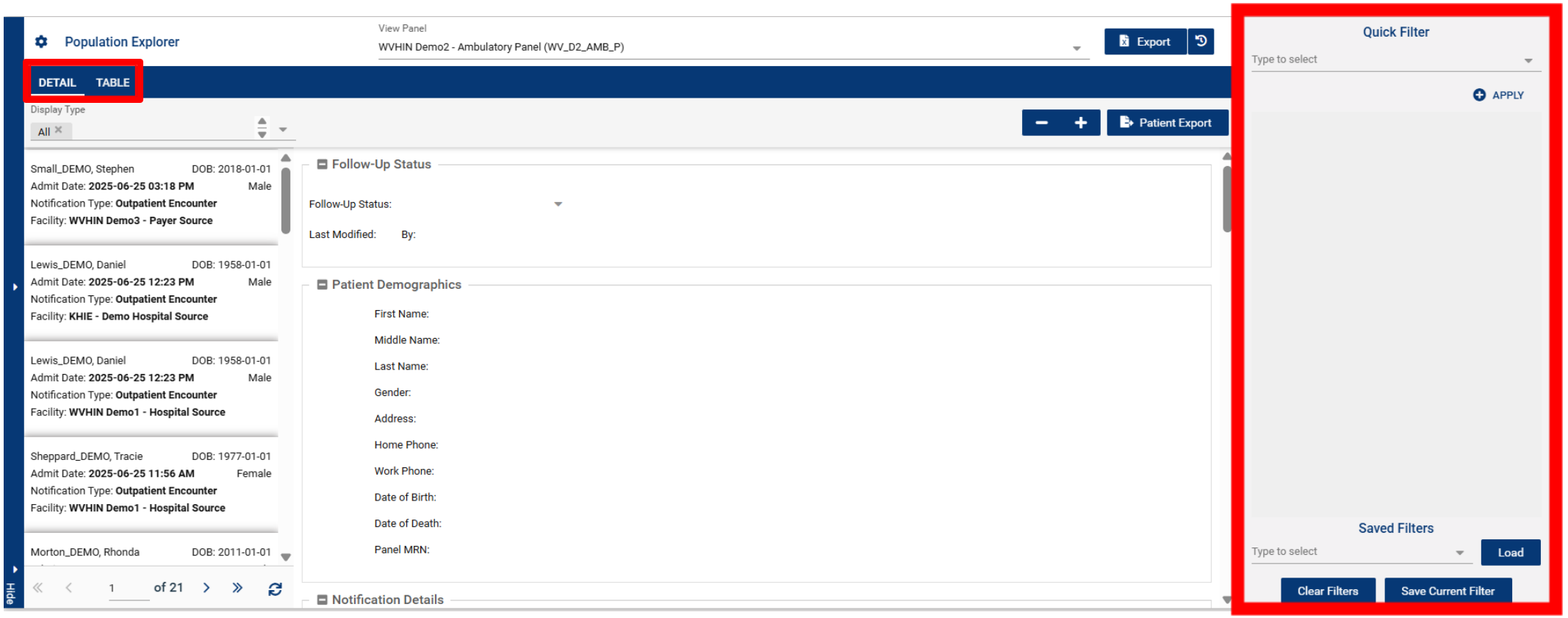
- Population Explorer can be found on the right side of the screen when a user logs in to the WVHIN Portal



- If you do not see Population Explorer on the right side of your screen, please contact your HIE Admin so they can ass the CSS Event Notification Delivery (CEND) tool

HOW TO BUILD FILTER IN POPULATION EXPLORER

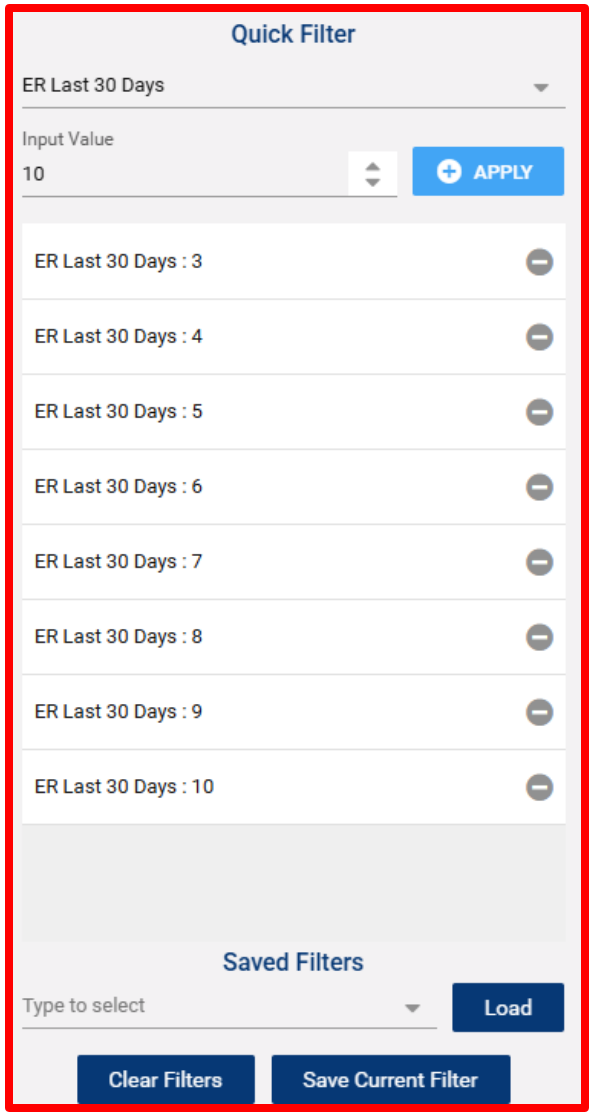
- Once you expand the Population Explorer tool to the full screen, you will see there are two tabs in the top left corner for a detailed view or table view and filtering capabilities on the right side.



HOW TO BUILD FILTER IN POPULATION EXPLORER

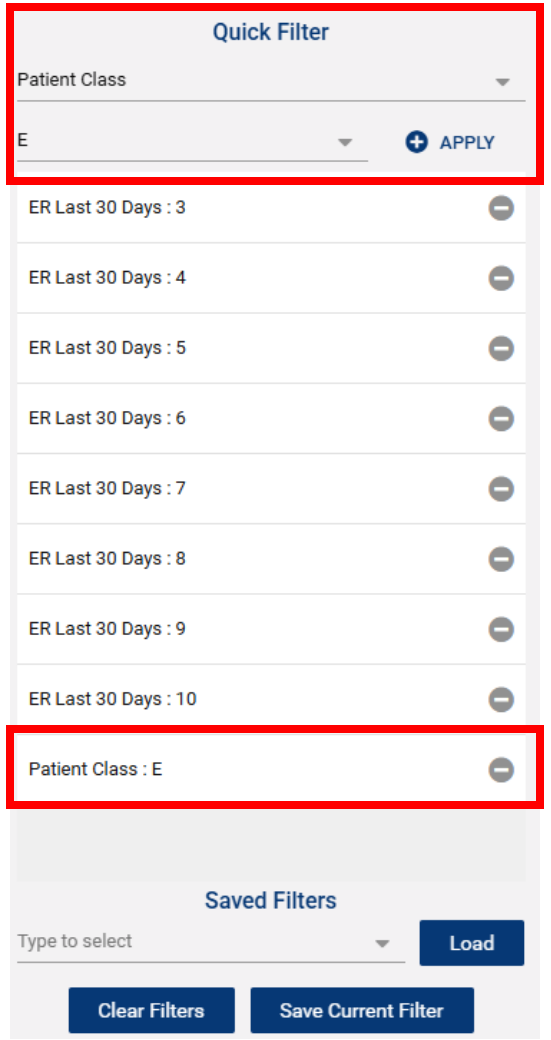
- ▶Select Filter □ ER Last 30 Days
- Enter 3 in the input value and click APPLY
- Enter 4 in the input value and click APPLY
- Enter 5 in the input value and click APPLY
- Enter 6 in the input value and click APPLY

- Continue these steps as needed until WVHIN has “3 or more” capability



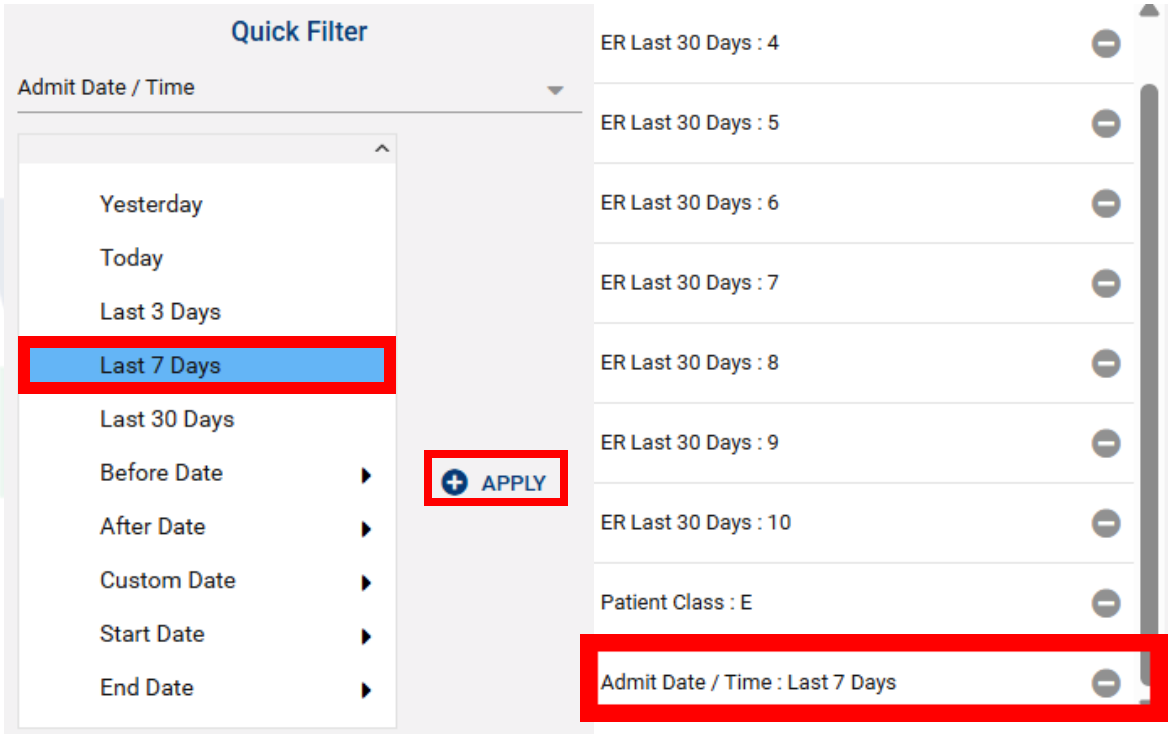
HOW TO BUILD FILTER IN POPULATION EXPLORER

- Select Filter → Patient Class
- Select E for Emergency visit types and click APPLY



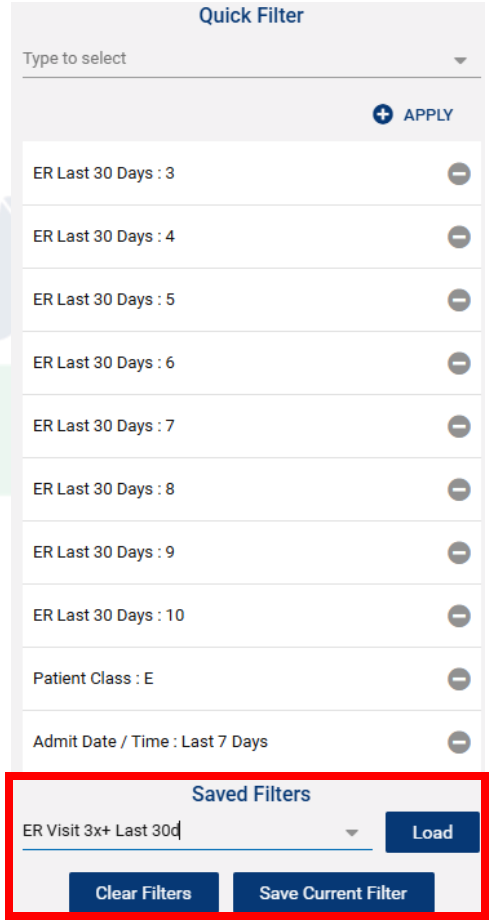
HOW TO BUILD FILTER IN POPULATION EXPLORER

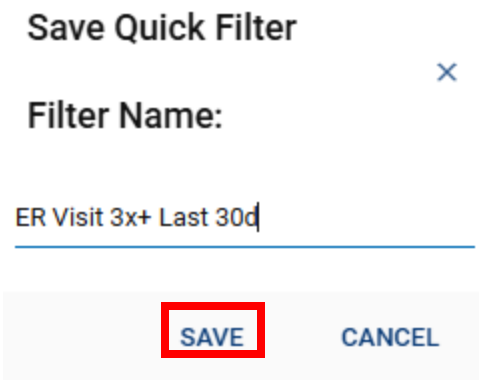
- Select Filter → Admit Date/Time
- Select Last 7 Days and click APPLY



HOW TO SAVE FILTER IN POPULATION EXPLORER

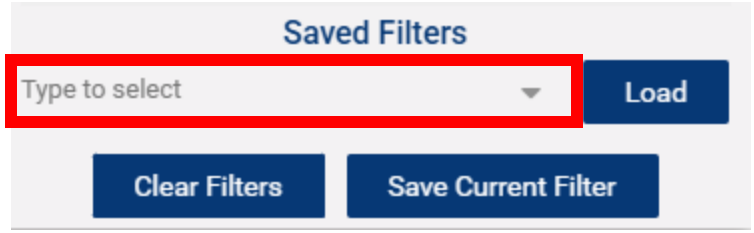
- Click “Save Current Filter" in the bottom right corner
- Name the Filter and click Save

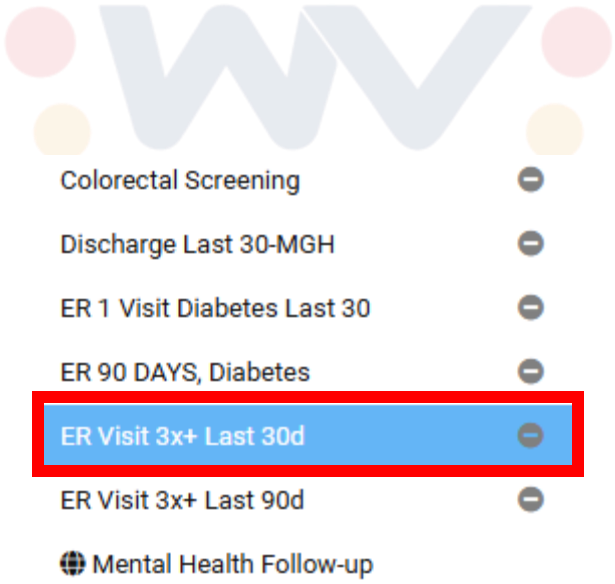


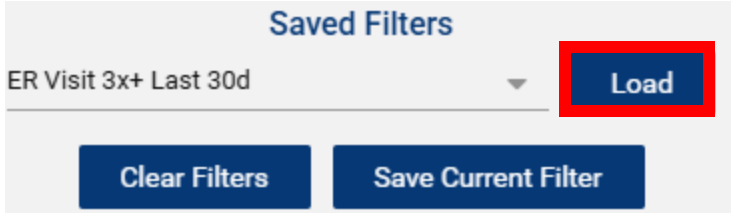


HOW TO ACCESS SAVED FILTERS IN POPULATION EXPLORER

- Saved Filters can be found in the bottom right corner of the Population Explorer tool
- Select your saved filter and click LOAD to apply the filter
- NOTE: Users can edit/update their saved filters by clicking “Save Current Filter” after making any changes

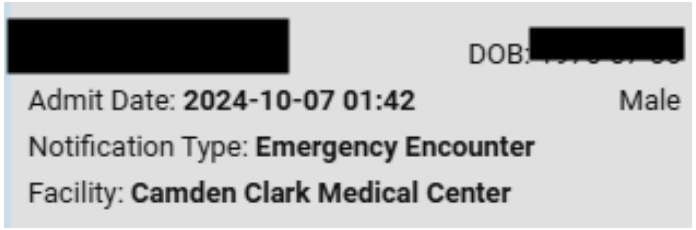






HOW TO INTERPRET FILTER: AGGREGATE DETAILS

- The “ER Last 30 Days” filter is based off the Aggregate Details found within each encounter in the detail view of Population Explorer. The 30 days in the Aggregate Details is based on the state of the patient/consumer most recent encounter.
- Example: Patient/consumer most recent encounter in Population Explorer is an ER visit on 10/7/24. The Aggregate Details table will look for any ER visits within 30 days of 10/7/2024 (not current date)



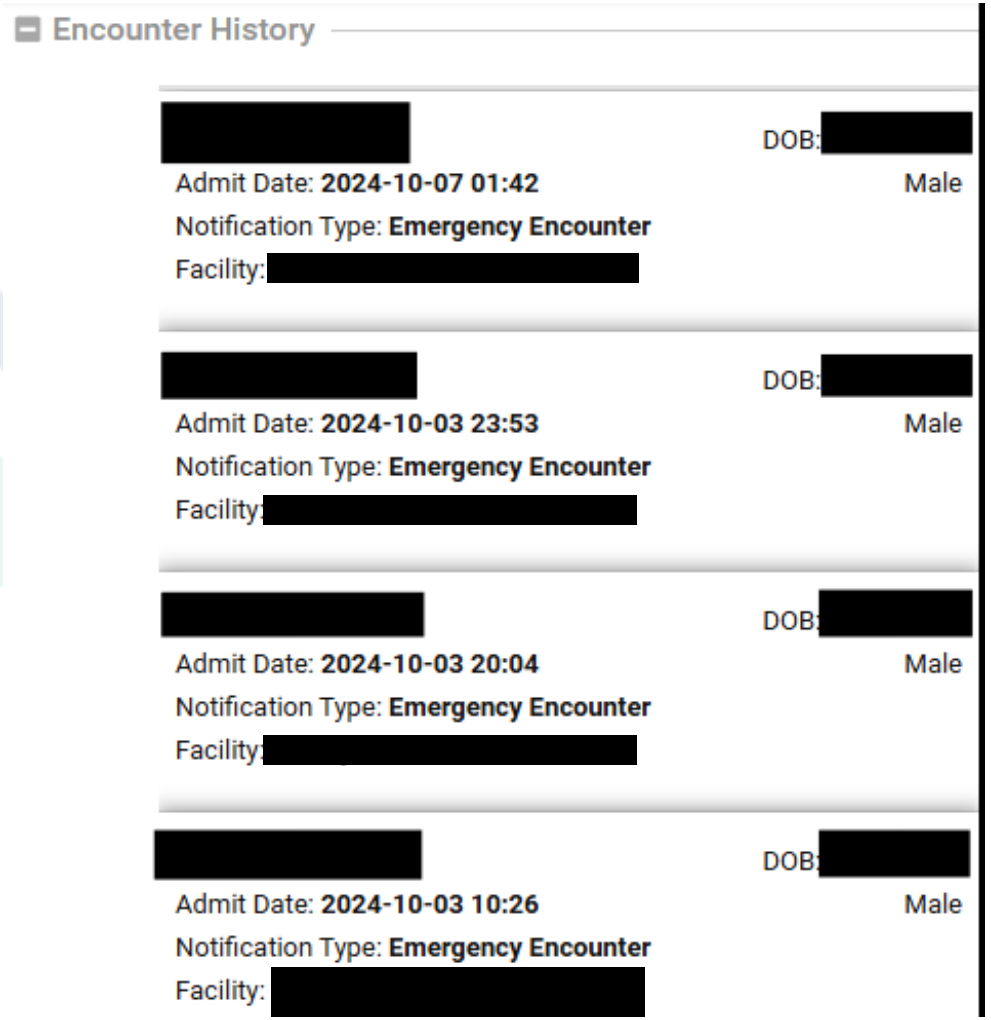
NOTE: 10/7 visit is not included in the visit count. →

Aggregate Details

Visit Type	Within Last:			
	30	60	90	180 Days
Inpatient	0	0	0	1
Outpatient	2	3	9	36
ER	4	5	8	34
OBS(Observation)	0	0	0	0

HOW TO INTERPRET FILTER: AGGREGATE DETAILS

- Details about the patient/consumer ER history can be found in the Encounter History section of the most recent ER encounter
- Encounter History for the last 6 months can be found at the bottom of the Population Explorer detail view of a patient's or consumer's encounter



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Need Technical Support? Call 1.844.468.5755

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