

## Syndromic Surveillance Dashboards

The EPIC **Syndromic Surveillance Dashboard** is a powerful tool designed to monitor various pathogens, diagnoses, infections, and chief complaints that are captured in the EPIC Electronic Medical Record (EMR) system. With its user-friendly interface, this dashboard provides real-time syndromic surveillance data, enabling healthcare professionals such as Enterprise Physicians, Nursing Leadership, and ancillary positions to effectively monitor public health.

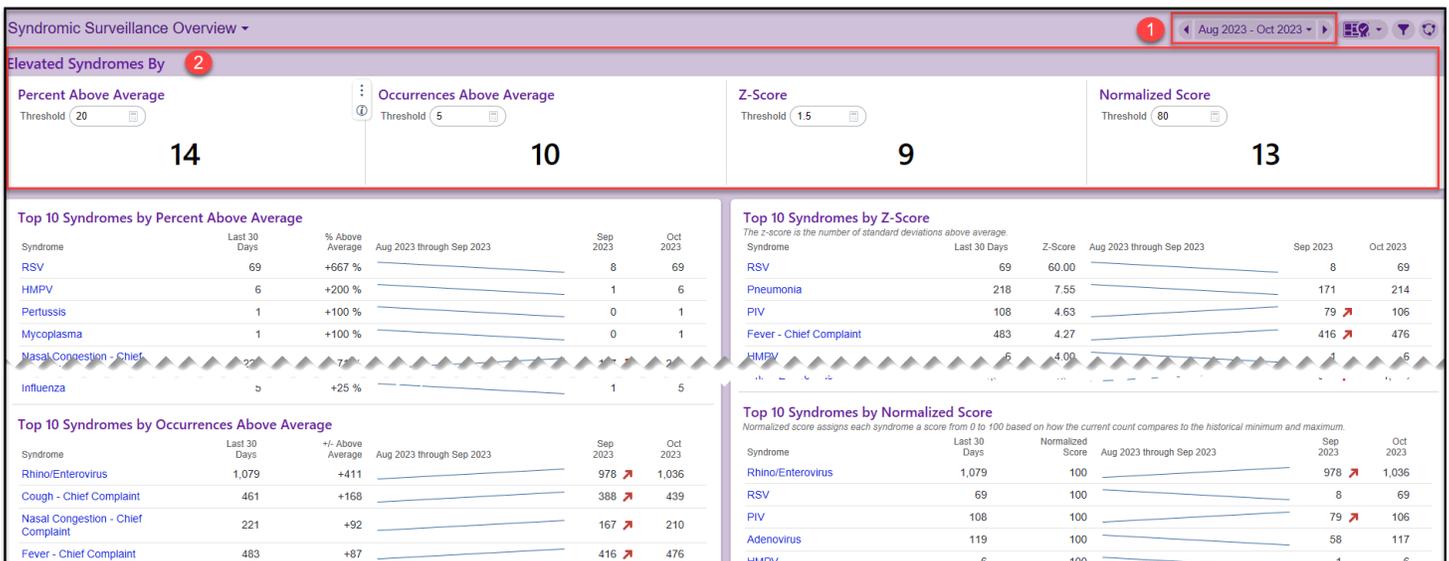
There are **two** dashboards and **one** drilldown view that can be accessed from the **Analytics Catalog**. Favorite these so they are easily accessible in the future:

- Syndromic Surveillance Overview Dashboard
- Syndromic Surveillance Exploration Dashboard
- Syndromic Surveillance Drilldown

## Syndromic Surveillance Overview Dashboard

The **Syndromic Surveillance Overview** dashboard is for high level review of the top **ten syndromes** by **four** different calculations in a selected date range.

1. From the **Syndromic Surveillance Overview** dashboard, select the **date range** to be reviewed. Once selected, Epic will save this information for the next time the dashboard is accessed.
2. The **Elevated Syndromes By** banner contains the number of syndromes that have met the individual thresholds per category.

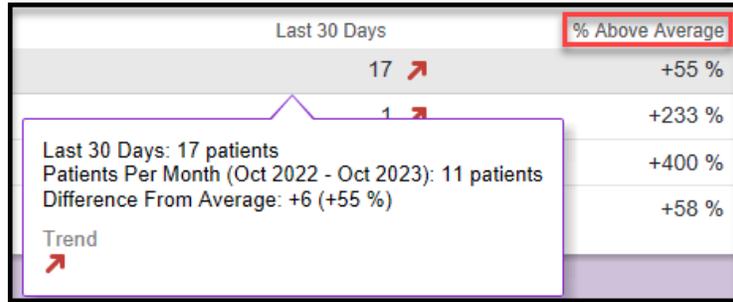


Bugsy: Syndromic Surveillance Dashboards

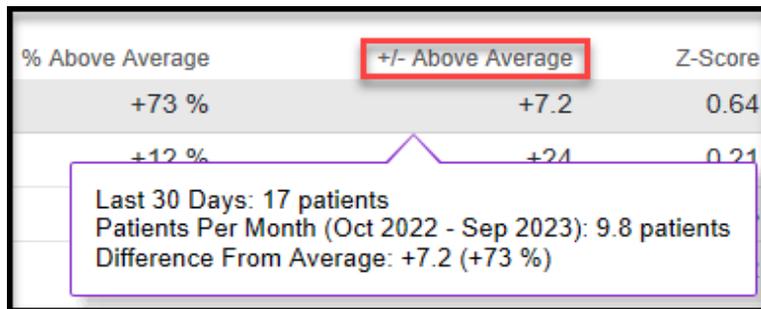
TCOE Created: 10.30.2023 CBD\*INI      AC Approved: 11.06.2023 WJ

TCOE Revised: 11.06.2023 CBD\*SEH

- a. **Percent Above Average** – count of syndromes, over the selected date range, in which the percent change between the most recent interval and the average exceeds the entered threshold value.



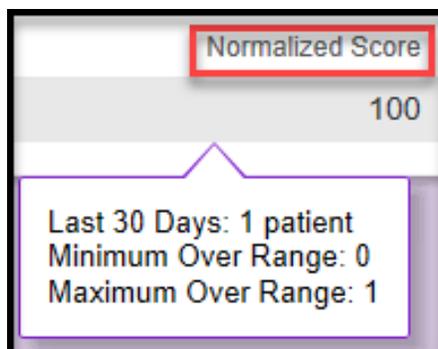
- b. **Occurrences Above Average** – count of syndromes, over a selected date range, in which the difference between the most recent interval and the average exceeds the entered threshold value.



- c. **Z-Score** – the count of syndromes, over a selected date range, for which the Z-Score exceeds the entered threshold value. The Z-Score is the number of standard deviations above average.



- d. **Normalized Score** – a value from 0 to 100 based on how the current count for the syndrome compares to its historical minimum and maximum within the dashboard date range.



# Syndromic Surveillance Exploration Dashboard

The **Syndromic Surveillance Exploration** dashboard is used to analyze/explore all, grouped, or specific syndromes in selected date ranges.

1. **Click** on the **number** to view additional information about each of the syndromes on the Syndromic Surveillance Exploration Dashboard.
  - a. **Groupers** – select a group of syndromes to analyze.
  - b. **Syndromes** – select specific syndromes to analyze.
  - c. **Only Hospital Onset** – select to view patients who met logic for syndrome on third day of admission.
  - d. **Filter By, Filter Type, Threshold** – used to analyze column data on dashboard.
  - e. **Compare to Prior Year** – used to analyze current syndromic data with previous year.
2. Utilize the filters for additional exploration:
3. Click on the **individual syndrome** to drill down on a specific syndrome and view data on the **Syndromic Surveillance Drilldown** dashboard.

Syndrome	Last 30 Days	% Above Average	+/- Above Average	Z-Score	Normalized Score	Aug 2023	Sep 2023	Oct 2023
Adenovirus	119	+65 %	+47	3.52	100	58	117	
Cough - Chief Complaint	461	+57 %	+168	1.76	100	388	439	
Fever - Chief Complaint	483	+22 %	+87	4.27	100	416	476	
HMPV	6	+200 %	+4	4.00	100	1	6	
Influenza	5	+25 %	+1	0.33	67	1	5	
Mycoplasma	1	+100 %	+0.5	1.00	100	0	1	
Nasal Congestion - Chief Complaint	221	+71 %	+92	2.42	100	167	210	
Pertussis	1	+100 %	+0.5	1.00	100	0	1	
PIV	108	+52 %	+37	4.63	100	79	106	
Pneumonia	218	+23 %	+41	7.55	100	171	214	
Rhino/Enterovirus	1,079	+62 %	+411	1.33	100	978	1,036	
RSV	69	+667 %	+60	60.00	100	8	69	
SOB - Chief Complaint	370	+22 %	+66	3.47	100	323	359	
Sore Throat - Chief Complaint	189	+22 %	+34	1.25	100	182	184	

# Syndromic Surveillance Drilldown

The **Syndromic Surveillance Drilldown** is used to analyze data for a specific syndrome over a selected date range. This drilldown contains the same filters as seen on the Exploration Dashboard.

This Surveillance Drilldown contains the following components:

1. **Overview** – last 30 days and the four calculation scores for the selected date range.
2. **Trends** – rolling average or control chart display mode.
3. **Postal Codes** – shows top 15 postal codes with most patients. Click the hyperlinks to patients in the postal codes.
4. **Departments**– shows top 15 departments / clinics with the most patients. Click the hyperlinks to patients in the departments or clinics.
5. **Patients** – shows most recent 25 patients and link to reporting workbench for additional drilldown. Click the **Reporting Workbench Report** link and utilize the filters to analyze specific patient data. These include:
  - a. From Reporting Workbench, click the **Explore** tab to view in Slicer Dicer.