

Component Spotlight

Pod Trends component

About the component:

This component allows end users to interpret 12 months of historical data for the performance and impacts on flow for a specific area of the ED. This component enables analyses at a Pod level, including trends of presenting demand, time to be seen, length of stay, bed utilisation and capacity. It enables users to drill into any one day, filter by pod or shift, and view the key metrics related to demand, activity, and patient flow to identify targeted areas for improvement.

This component provides a 12-month analysis of historical data for a selected area within the Emergency Department.

Who it's for: Administration Officer, Nurse Unit Manager – ED, Business Manager, Service Improvement/Project Officer, Clinical and Non-Clinical Department Director and Executive Leaders

Where you'll find it:

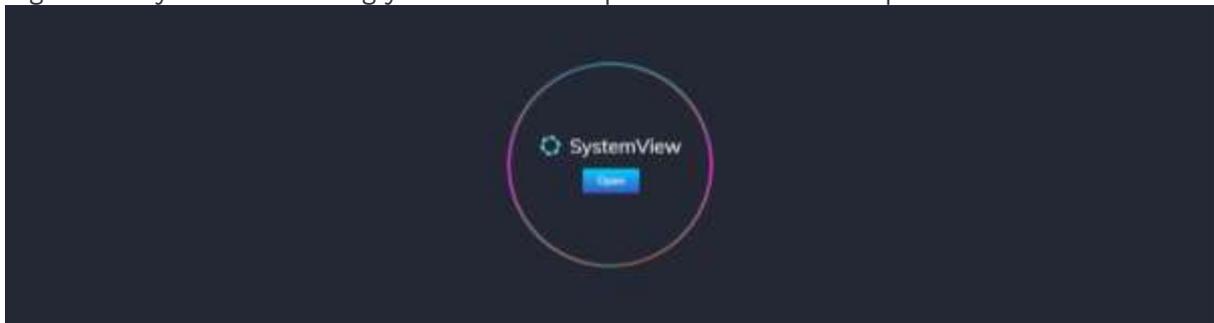
SystemView > Explore > Emergency Department > Trends > Admissions

Data refresh rates:

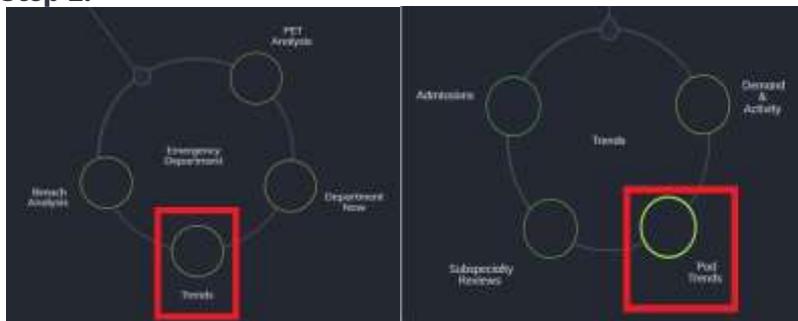
The data within this component updates every 5 minutes, 7 days a week.

Step 1.

Sign in to SystemView using your current hospital credentials and password

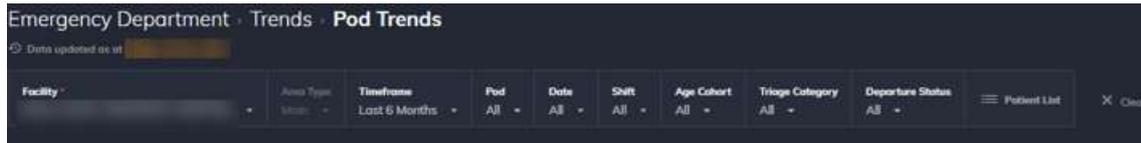


Step 2.



Navigate to Explore > Emergency Department > Trends > Pod Trends

Step 3.



Apply filters at the top of the page to target your analysis.

Step 4.

Key Metrics for Previous 6 Months	
	Daily Averages for the Previous 6 Months
Presentations	95.3
Episodes of Care	125.8
Admitted Patients	32.1
Non-Admitted Patients	63.3
Average LoS (hr)	7.6
Average Time to be Seen (hr)	7.5
PET %	64.5
Admitted PET %	39.2
Non-Admitted PET %	76.7

Key Metrics for previous 6 months summarises the daily average key metrics based on last 6 months data.

Each filter is represented with a distinct number or value and a weekly average.



Presentations and PET % by arrival date displays and compares the daily Emergency presentation trends against the PET performance trend.

Selecting the boxes at bottom of the chart will change the display.

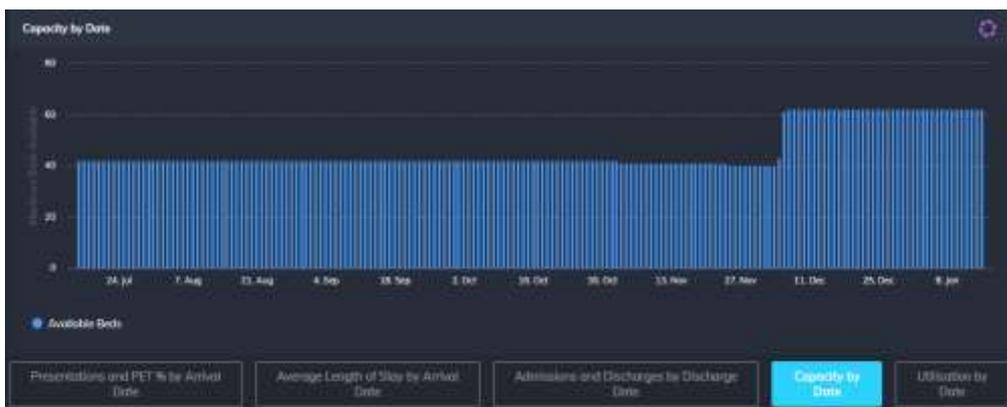


Average Length of Stay by Arrival Date displays and compares the daily average length of stay and the average time to be seen with the overall PET performance.

Select a bar to see data related to the specific date.

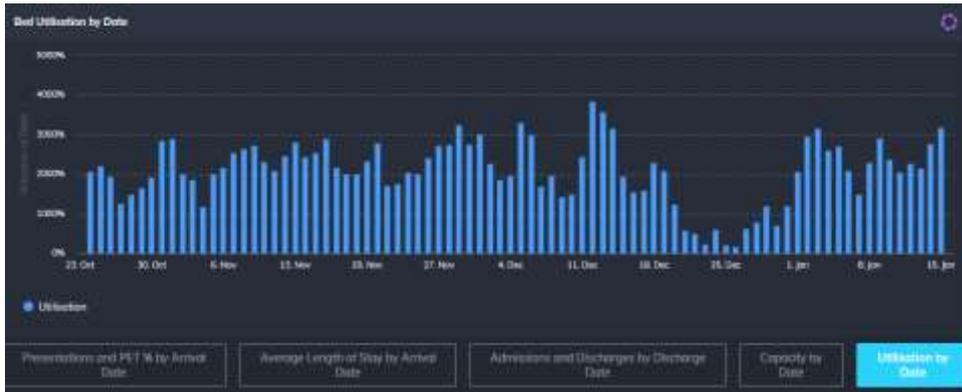


Admissions and Discharges by Discharge Date chart provides an overview of the admitted vs non-admitted activity for the dynamic based on selected filters in the filter bar.



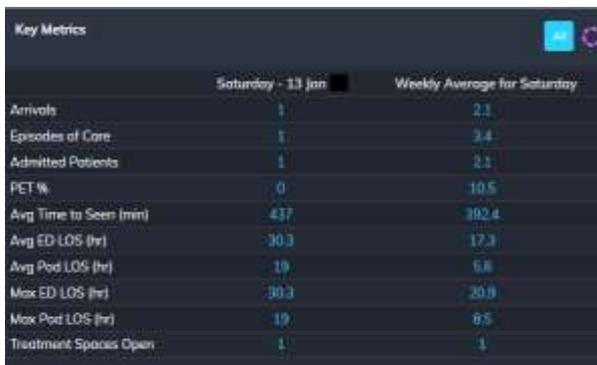
Capacity by Date trends an overview of the available bed stock.

Select POD in the filter bar to see available bed stock for the filtered selection.



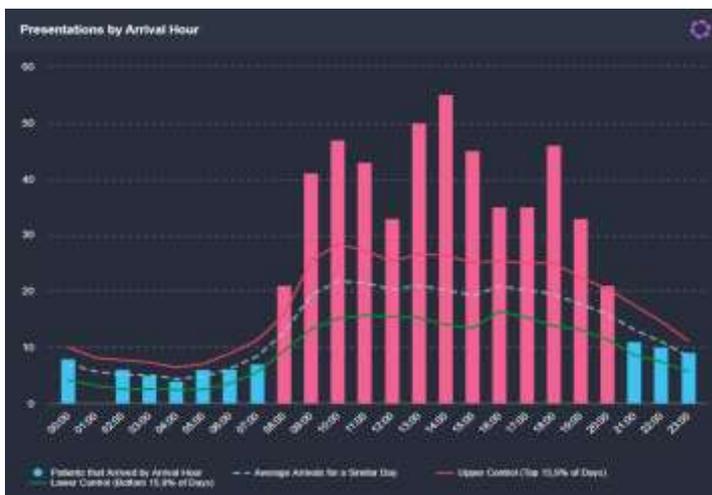
Utilisation by Date provides an overview of the total percentage or occupancy utilisation of the available bed stock.

Select **POD** in the filter bar to see available bed stock for the filtered selection.



	Saturday - 13 Jan	Weekly Average for Saturday
Arrivals	1	2.3
Episodes of Care	1	3.4
Admitted Patients	1	2.1
PET %	0	10.5
Avg Time to Seen (min)	437	392.4
Avg ED LOS (hr)	30.3	17.3
Avg Pod LOS (hr)	19	5.6
Max ED LOS (hr)	30.3	20.9
Max Pod LOS (hr)	19	6.5
Treatment Spaces Open	1	1

Key Metrics tiles summarise the key metrics of the date selected in the filter bar.



Pod Demand by Emergency Department Arrival Hour displays the number of presentations by hour of day to the Emergency Department across the day from midnight to midnight.

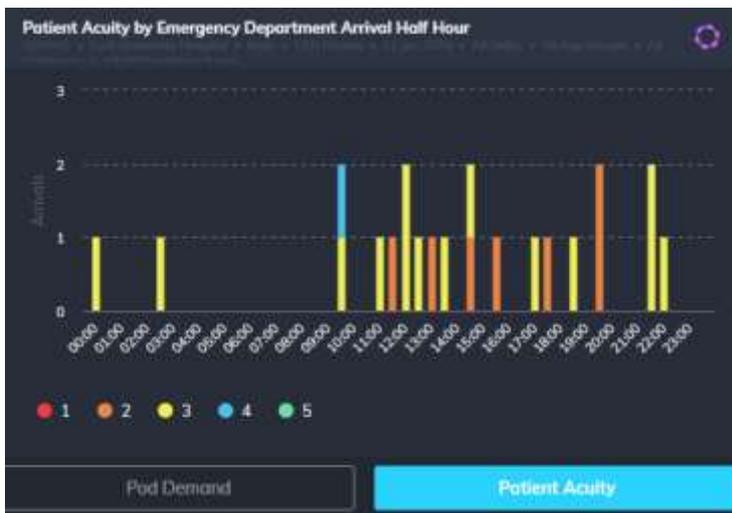
- **Dotted Trend Line** - Mean (average) presentations for that hour by (Hour of day, Day of week and, is or is not winter)
- To accommodate the natural variance in presentations by hour to emergency the logic applies one (1) standard deviation either side of the mean. Therefore, presentations that line up within the red and green control limits is considered a normal hour.
- **Red Trend** – Upper Control: One standard deviation above the mean average
- **Green Trend** – Lower Control: One standard deviation below the mean average



Pod Demand by Emergency Department Arrival Half Hour displays the number of patients streamed to an area by half hour segment of the day to the Emergency Department across the day from midnight to midnight.

A patient is considered streamed when they are placed into a pod’s waiting room or when a pod is a patient’s first new location after being triaged.

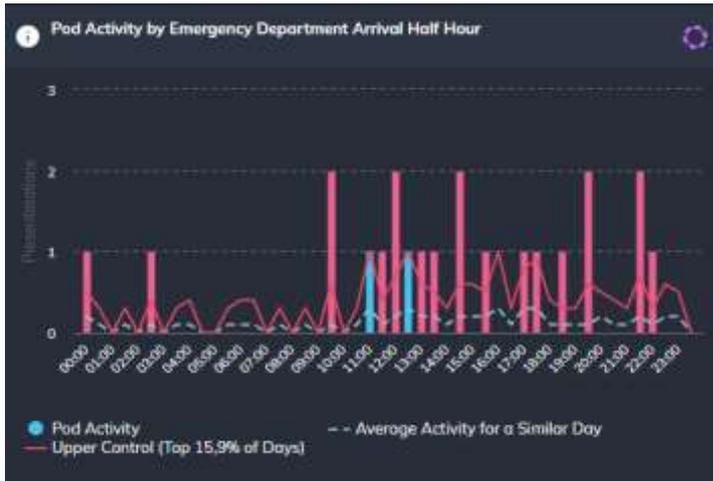
- **Dotted Trend Line** - Mean (average) presentations for that hour by (Hour of day, Day of week and, is or is not winter)
- To accommodate the natural variance in presentations by hour to emergency the logic applies one (1) standard deviation either side of the mean. Therefore, presentations that line up within the red and green control limits is considered a normal hour.
- **Red Trend** – Upper Control: One standard deviation above the mean average
- **Green Trend** – Lower Control: One standard deviation below the mean average



Patient Activity by Emergency Department Arrival Half Hour displays the number of total patient seen per half hour to the selected POD for the selected filtered dynamic of patient.

The bars are colour coded to represent the acuity of the patient by Manchester Triage Code/Irish Children’s Triage System.

Display shows the patients for the selected POD in the filter bar.

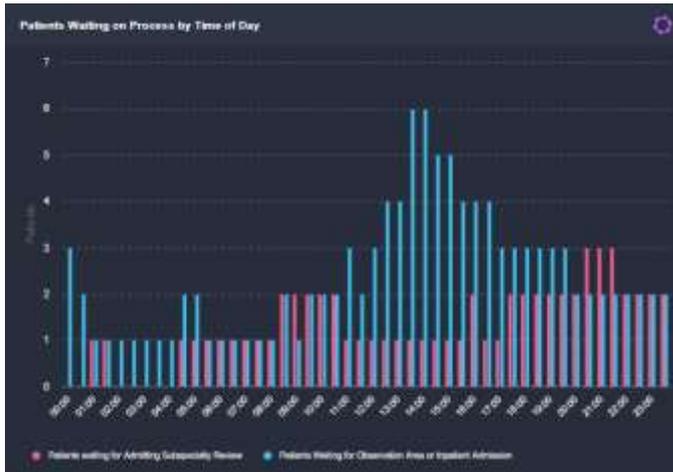


Pod Activity by Emergency Department Arrival Half Hour displays the number of presentations by half hour segment of the day to the Emergency Department across the day from midnight to midnight.

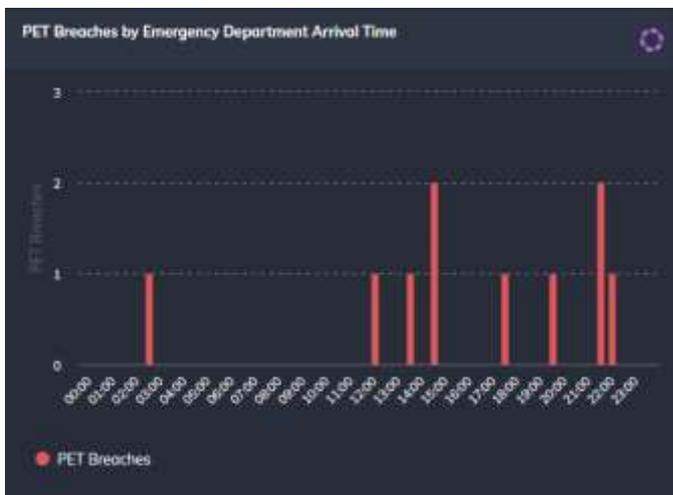
- **Dotted Trend Line:** Mean (average) presentations for that hour by hour of the day, day of the week and, is or is not winter.
- To accommodate the natural variance in presentations by hour to ED the logic applies one (1) standard deviation either side of the mean. Therefore, presentations that line up within the red and green control limits are considered a normal hour.
- **Red Trend** – Upper Control: One standard deviation above the mean average.
- **Green Trend** – Lower Control: One standard deviation below the mean average.



Waiting ED Patients by Time of Day provides an overview of the selected Emergency Department POD patient activity and displays the where the patient is up to on their treatment pathway through the POD.



Patients Waiting on Process by Time of Day provides an overview by hour of day of the number of patients who are waiting on a process activity for the selected POD environment.



PET Breaches by Emergency Department Arrival Time Displays the number of PET breaches by arrival our for the selected POD environment of the emergency department.



Bed Utilisation displays the times the bed in a specific pod was utilised or available.