Trends

Demand & Activity

Demand & Activity provides a comprehensive set of retrospective Emergency Department metrics and analytics, including total presentations, POST % performance, NEAT % performance and the number of patients breaching 4 hours length of stay for each day over the past 13 months.



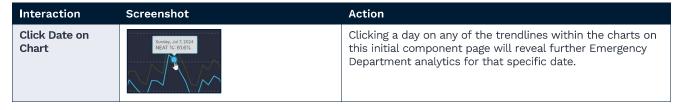
Filtering

The following noteworthy options are available in this component's Filter Bar:

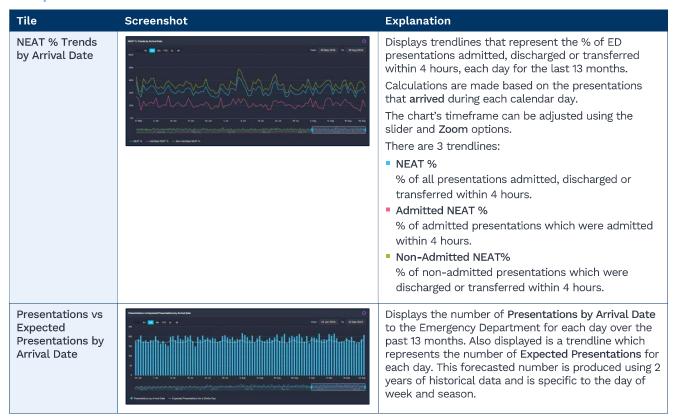
Filter	Description	
Area Type	Select between All, Main or Other mapped areas in the ED.	

Interaction

The following interaction is available from the initial page of this component.



Component Tiles



Demand & Activity for Individual Date

Further date-specific analytics are revealed upon clicking a day on the **NEAT % Trends by Arrival Date** or the **Presentations vs Expected Presentations by Arrival Date** charts.



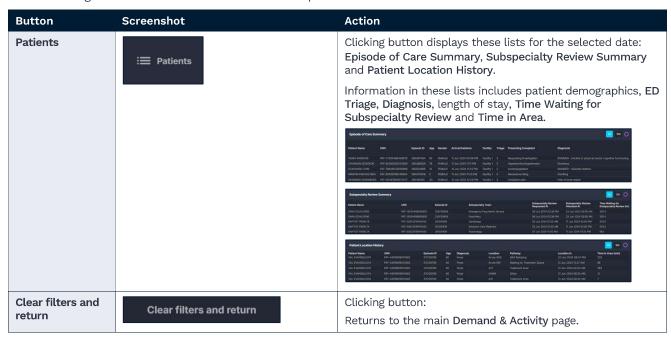
Filtering

The following noteworthy options are available in this component's Filter Bar:

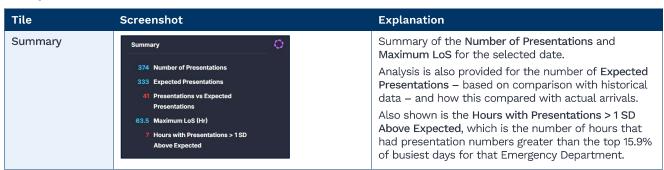
Filter	Description	Filter	Description
Area Type	Select between All, Main or Other mapped areas in the ED.	Admission Status	Select whether to include All presentations, Admitted presentations or Not Admitted presentations in the analytics on the current page.
Age Group	Select between All, Adult or Paediatric age groups.	NEAT	Select between All, Breach (ED LoS over 4 hours) or Seen in Time cohorts.

Interaction

The following interaction is available in this component.



Component Tiles



Tile	Screenshot	Explanation
Presentations by Arrival Hour	Presentations by Arrival Hour 10 10 10 10 10 10 10 10 10 1	Displays the number of actual presentations to the Emergency Department for each hour of the day. There are also 3 supporting trendlines derived from analysis of historical data: Average Arrivals for a Similar Day The average number of expected hourly presentations, specific to weekday and season. Upper Control (Top 15.9% of Days) The number of expected hourly presentations for the top 15.9% busiest days. Lower Control (Bottom 15.9% of Days) The number of expected hourly presentations for the bottom 15.9% least busiest days. Hours with actual arrivals greater than the Upper Control are coloured pink.
Patients in ED by Pathway & Time	Patients in ED by Pathway & Time TO TO OD OD ON ON ON ON ON ON ON O	Displays the number of patients in the Emergency Department at 30 minute intervals throughout the day. Patients are colour coded according to the area they are located within (e.g., Observation Area). The chart is overlaid with an Escalation Trigger – a measure which represents a capacity threshold specific to the individual Emergency Department.
Summary	① Summary 104 Ambulance Arrivals 37.5% POST 470 Episodes of Care 37.2% NEAT 102 Admissions	Summary of Ambulance Arrivals, % POST, Episodes of Care (includes patients treated on the selected date who presented on a prior day), % NEAT and number of inpatient Admissions for the selected date.
Breaches by Hour of Breach	Breaches by Hour of Breach 20 15 15 16 17 18 19 19 19 19 19 19 19 19 19	Displays the number of presentations breaching a length of stay of 4 hours in the Emergency Department. Breaches are tallied in the hour of day in which they exceeded a length of stay of 4 hours.
Waiting ED Patients by Wait Type & Time	Waiting ED Patients by Wait Type & Time 40 20 20 20 20 Patients Waiting for a Subspeciality Review — Patients Waiting for a Inputient Admission — Patients Waiting to be Sean	Displays the number of patients at each 30 minute interval throughout the day that were: Waiting for a Subspecialty Review Patients waiting for a review by a specialty team external to the Emergency Department. Waiting for an Inpatient Admission Patients waiting for admission to an inpatient bed. Waiting to be Seen Patients waiting for a review by a treating clinician in the Emergency Department.

Tile	Screenshot	Explanation
Patients that Arrived by Triage	Patients that Arrived by Triage 3 (0.8%) 2 (0.5%) 13 (3.5%) 104 (27.7%) Undefined Triage Priority 2 3 4 5	Displays the number and proportion of patients that presented for the selected date by their assigned Triage Category: Category 1 Category 2 Category 3 Category 4 Category 5 Undefined Triage Priority (i.e., error or no data)
Discharges vs. Required by Discharge Hour	** The content of the	Displays the number of Emergency Department discharges for each hour. It includes three supporting trendlines based on historical analysis, showing the number of discharges typically required each hour to maintain patient flow: Average Discharges for a Similar Day The average number of expected hourly discharges, specific to weekday and season. Upper Control (Top 15.9% of Days) The number of expected hourly discharges for the top 15.9% busiest days. Lower Control (Bottom 15.9% of Days) The number of expected hourly discharges for the bottom 15.9% least busiest days.
Cumulative Discharges vs. Cumulative Required Discharges to Maintain Flow by Hour	Community Charlesgue is Contained to Manager in Medican Proving reason 100 100 100 100 100 100 100 1	This chart shows how actual Emergency Department discharges, compared cumulatively against the number of discharges required to maintain patient flow at each hour. Any gap where actual discharges fell below required discharges indicates a deficit and may have contributed to rising inpatient demand and ED congestion.
Total Patients by LoS (excl. SSU)	Taxana	Displays the total number of patients in the Emergency Department (excluding those in Short Stay Units) for the selected date, grouped by their length of stay (LoS) in hours.
Patients by Diagnosis and NEAT Status	Francis Departs and All States States Married Mar	Displays the number of presentations for the selected date by Diagnosis (e.g., Chest Pain). Patients that breached 4 hours length of the stay in the Emergency Department are coloured red.