

Component Spotlight

Breach Analysis Component

About the component:

This component allows end users to analyse Breaches by Date, from 7 days up to 12 months previously. The user can toggle between the views of Breaches by Date of Breach, Breach by Arrival Date and Total number of Breached Patient's in the Department by Date.

The Breach Analysis Component enables users to easily identify and review department Breaches by Date, Timeframe, KPI, Age cohort, Speciality and Admission status. The user can retrospectively analyse Breaches and identify Trends at a specific point in time.

The purpose of this component is to help end users understand whether improvement strategies are required to reduce Breaches within their Department but also provides valuable insights into the efficiency, effectiveness, and quality of healthcare delivery.

Who it's for:

Doctor, Nurse, Business Manager, Business Manager or Non-clinical Department Director, Chief Executive, Chief Operating Officer and Clinical Executive.

Where you'll find it:

SystemView > Explore > Emergency Department > Breach Analysis.

Data refresh rates:

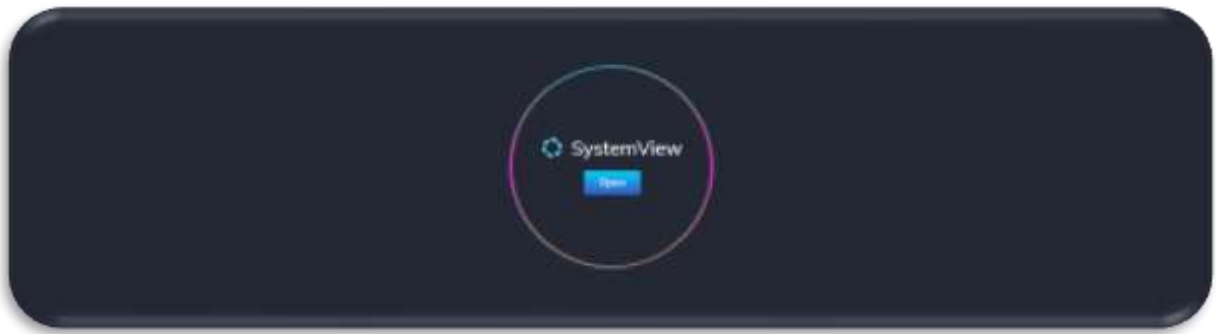
The data within this component updates every 5 to 10 minutes.

Definitions used in Breach Analysis:

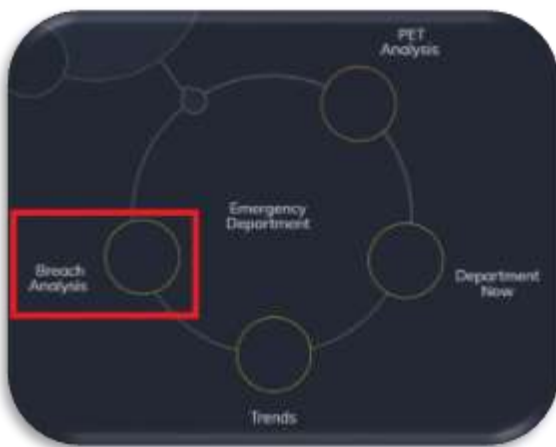
Title	Definition
Breach	The clinically recommended timeframe has been exceeded.
Breach by Date of Breach	The clinically recommended timeframe has been exceeded from, the specific date the patient has been deemed to be waiting longer than expected.
Breach by Arrival Date	The clinically recommended timeframe has been exceeded from, the arrival date of the patient into the department.
Total number of Breached Patients in the Department by Date	The total number of breached patients in the department, on any specific date, up to 12 months previous.

Step 1.

Sign in to SystemView using your current hospital credentials and password.



Step 2.



Navigate to Explore > Emergency Department > Breach Analysis.

Step 3.



Apply drop-down filters **at the top of the page to refine the data.**

Step 4.

The user can toggle between the views of Breaches by Date of Breach, Breach by Arrival Date and Total number of Breached Patient's in the Department by Date.



Breaches by Date of Breach shows the end user the number of Breaches that occurred for the previous time selected on filter bar (above is an example of previous 7 days).

By selecting a bar in the chart will allow the user to see Breaches on the actual date the patient was deemed to be waiting longer than expected.

Logic: The patient will only count on the date they breached the KPI selected in the filter bar. For example, the patient arrives on January 1st at 1pm and departs on January 2nd at 2pm. Set KPI to 6 hours and patient will only show in count and list for the 1st of January. Set KPI to 24 hours and patient will only show on 2nd January data.

This data gives the end user a focused and real-time view of breaches, enabling users to proactively investigate roots causes, potentially improve efficiencies whilst fostering a culture of continuous improvement.



Breach by Arrival Date shows the end user the number of Breaches that occurred for the previous time selected on the filter bar (above is an example of previous 3 months).

This data can contribute to overall departmental performance improvement by addressing breaches on the date they occur.

Selecting a bar in the chart will allow the user to see Breaches from the arrival date of the patient into the Emergency Department.

Logic: The patient will only count on the date they arrived and show in list for that date when selected. For example, the same patient above will display in 1st January count only, not 2nd January when KPI selected is 1.5 hour, 4 hours, 6 hours, 9 hours, 24 hours.



Total Number of Breached Patients in the Department by Date shows the end user the **Total Number of Breached Patients that occurred in the Department for the specific time.** This data provides a comprehensive and insightful overview of Breached Patients allowing end users to identify patterns, trends and potential correlations.

Selecting a bar in the chart will allow the user to see Breaches from the arrival date of the patient into the Emergency Department.

Logic: The patient will count in ALL dates they are in the department and breaching that KPI. For example, the same patient above set to 6-hour KPI would count in the 1st and 2nd January number and list. If set to 24 hours the patient will only display on 2nd January list.

Selecting a specific date in the filter bar to open the Patient Journey by ED Pathway Duration list.



Patient journey ED Pathway Duration displays the patient's pathway according to date/bar selected in one of the previous charts.