

# Patient Safety Monitor™ Application

Use data and analytics to help detect, understand, and prevent harm, now includes COVID-19 triggers

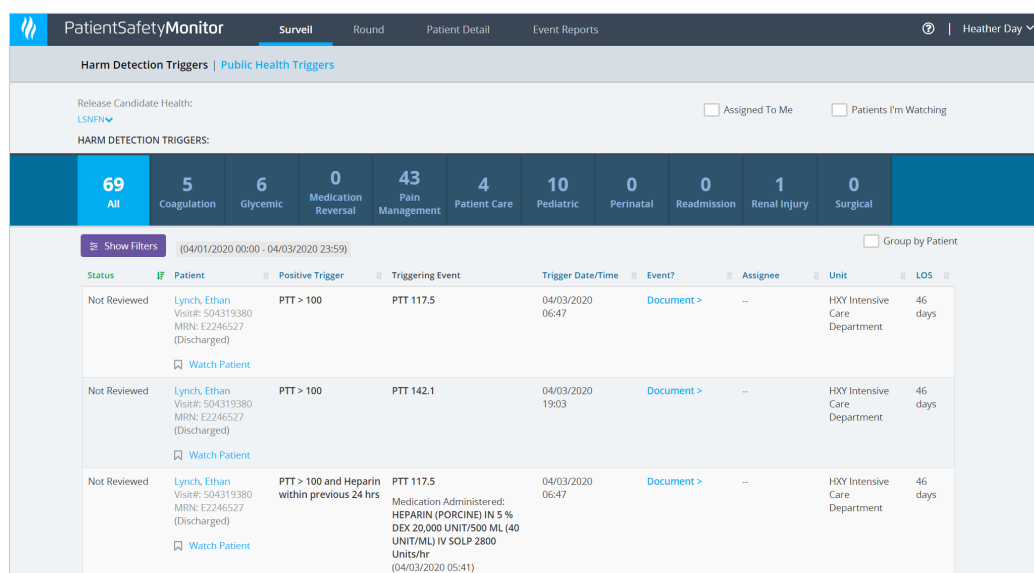
Type: Software Application

ID: 1486

Revised: 2020-04-15



The **Patient Safety Monitor Application** monitors incoming patient data from multiple sources in near real-time. The application alerts a health provider’s patient safety organization based on pre-built or client-defined clinical trigger events and rules. It also provides the option to drill down to different levels for further insight on improvement opportunities. Unlike a patient record system or EMR, this documentation is stored in a protected area governed by the clients’ PSO, where it can be used for process and quality improvement and is not available for legal discovery.



The Patient Safety Monitor application dashboard shows categorized and ranked harm detection and public health triggers for a selected facility.

## The problem

From penalties to pandemics, healthcare systems may confront compelling patient safety and public health needs that necessitate a more automated and active approach to safety monitoring. And even in the absence of these drivers, forward-thinking organizations often recognize the need to leverage data and analytics to improve their safety outcomes—and support their journey to become a High Reliability Organization (HRO).

## Our approach

Unlike traditional manual, siloed approaches to patient safety, which focus narrowly on specific types of adverse events and miss most harm and risk, Patient Safety Monitor enables comprehensive identification and analysis of all-cause harm and public health threats. Triggers for emerging threats (such as COVID-19) support enhanced biosurveillance monitoring and help organizations collaborate with public health agencies.

## Intended users

- Chief informatics officer
- Chief medical officer
- Chief nursing officer
- Chief patient safety officer
- Chief quality officer
- Hospital epidemiologists
- Infection preventionists
- Patient safety clinical investigator
- Risk management
- Service-line leadership
- Unit-level leadership

## Potential data sources

- EMR - Clinical
- Billing
- Clinical Specialty

## Key measures

- Adverse event rates
- Cost
- Counts and rates
- GIS mapping
- Length of stay (LOS)
- Mortality
- Readmission
- Utilization

## Benefits and features

- **Build a safety net.** Two units of triggers—harm detection and public health—flag utilization, symptom, and clinical test and care patterns, enabling early detection and timely intervention.
- **Improve patient outcomes and lower costs.** Safety analytics are accessible within the workflow at the point of care, enabling proactive harm prevention, effective care, and timely public health response.
- **Free clinicians and infection preventionists to focus on patient care.** Automated data extraction and reporting lifts the burden of manual data searching, aggregation, and reporting.
- **Analyze all-cause harm and public health threats under the legal protection of a certified Patient Safety Organization (PSO).** The Health Catalyst PSO enables clinicians to surface information and act without the fear of legal discovery.
- **Gain an understanding of performance at-a-glance.** Easily filter data to drill down to different levels for further insight on improvement opportunities.

## Use cases

- **The oncology service line** is interested in tracking care of patients with Febrile Neutropenia. Patient Safety Monitor allows them to see how well they are meeting their organization's process metrics around blood cultures, antibiotic timing, and antibiotic selection.
- **A board of trustees** has adopted a "safety as a system" initiative to focus on the whole-patient measure of safety as the metric for the three-year operating plan. The operating plan goal is to achieve a rate of zero all-cause harm events within three years. Patient Safety Monitor was chosen to provide continuous monitoring, measurement, management, and prevention of all-cause harm events to meet the Board's three-year goal.
- **An epidemiologist** is tracking cases of COVID-19 across her healthcare system. First, she wants to understand the spread of the virus in her healthcare system. Then, she wants to understand the spread in her community. Working with system physicians and Health Catalyst clinical experts, her team configures COVID triggers and uses the Surveillance Module to boost detection, identify overall trends in system prevalence, and collaborate with public health officials on a community response.

## Success stories

For examples of how customers have used Health Catalyst products and services to improve outcomes, visit <https://www.healthcatalyst.com/knowledge-center/success-stories/>

## Contact us

For more information on how Health Catalyst products and services can help your organization, please contact us:

- Reach out to your sales representative
- Call us at (855) 309-6800
- Email us at [info@healthcatalyst.com](mailto:info@healthcatalyst.com)

This document provides an overview of technology that is offered by Health Catalyst. We are continuously improving our Technology and we reserve the right to make changes in specifications and features shown herein, or to discontinue any Technology described herein at any time without notice or obligation. Some technology may not be available for deployment based on current product status or may not be available to you because it was not included in your Order Forms.