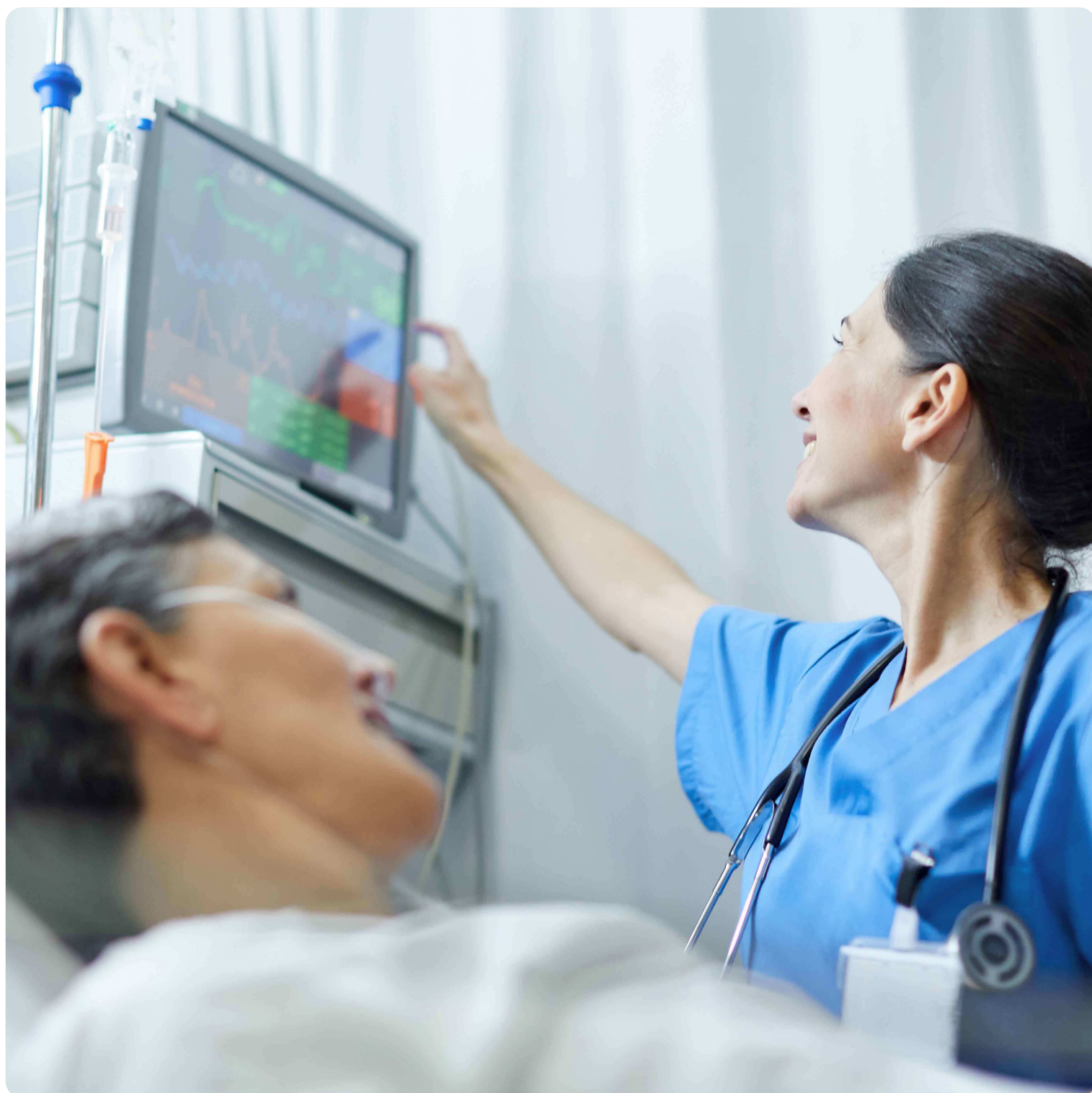


# Clinical Surveillance

An Ascom Healthcare Platform solution to help identify early patient deterioration



## The earlier the better

Patient deterioration threatens lives and outcomes while adding to the cost burden for healthcare providers. With the Clinical Surveillance solution from Ascom, patient deterioration can be detected early to help clinicians intervene and minimize the impact on patients, workloads and budgets.



### Putting lives at risk and strain on budgets

Up to 40% of unanticipated deaths in hospitals occur in the general wards<sup>1</sup>, while one in every six patients in medical/surgical units develops a complication during their stay<sup>2</sup>. The resulting severe adverse events, ICU bounce-backs and increased length of stay don't just put patient lives and outcomes at risk. They also directly increase the cost of care, with an estimated 15% of hospital spending attributable to addressing adverse events<sup>3</sup>.

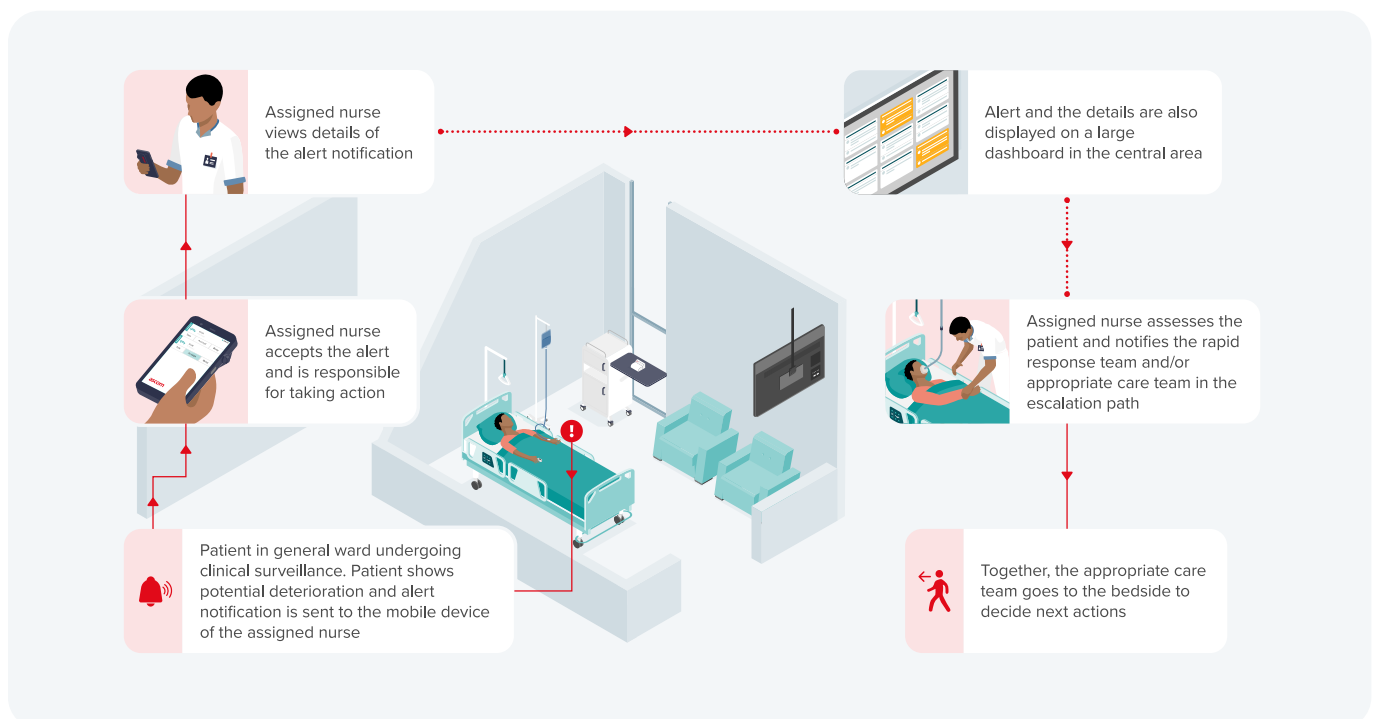
The earlier patient deterioration is detected the better for all. However, the early signs are hard for clinicians to detect when they are managing multiple patients and lack the clinical context of the patient deterioration.

### Clinical Surveillance solution

Supporting the clinicians' decision-making solution with an integrated, score-based clinical surveillance tool, patients can be continuously monitored – in general wards, emergency departments or even at home using wearables. When there are signs of deterioration, clinicians are alerted as early as possible.

References: <sup>1</sup> Rutherford P, Lee B, Greiner A. *Transforming Care at the Bedside. IHI Innovation Series white paper.* Boston: Institute for Healthcare Improvement; 2004. <sup>2</sup> Bellomo R, Goldsmith D, Russell S, Uchino S. *Postoperative serious adverse events in a teaching hospital: a prospective study.* *Med J Aust.* 2002; 176: 216-218. <sup>3</sup> *Patient Safety in Healthcare, Forecast to 2022, Frost & Sullivan's Transformational Health Growth Partnership Service program*

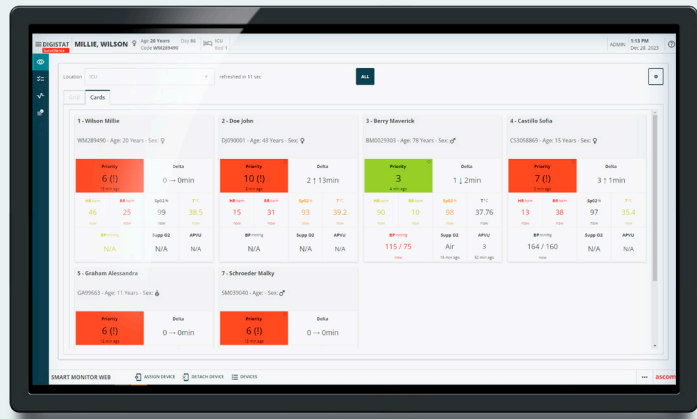
## How the Clinical Surveillance solution works - detecting patient deterioration on the general ward



## Key features

Ascom's Clinical Surveillance solution for General Care units visualizes vital signs collected from continuous and spot check monitors, wearable devices and manual inputs.

It calculates the clinical surveillance scores of choice of the hospital, and provides prompt notifications to the clinical team. The solution features a configurable rules engine that supports best practice standards.



Intuitive and consolidated multi-patient view

### Supporting clinicians' decision-making tools

- Visualizes data collected in a patient-centric approach to support early detection of patient deterioration
- Analyzes data to perform a multi-variable assessment of a patient and to provide clinical insights

### Data collection – ready for use and configurable

- Continuous data collection from medical devices connected to the patient
- Sporadic data collection from spot-check monitors and other sources
- Manually entered patient data

### Multiple options for patient data visibility

- Multi-patient and single-patient views – configurable data visualization for better patient visibility
- Notification of patient deterioration – alerts generated from the configurable threshold can be visualized on mobile devices

## Software

Based on the Ascom Digistat suite; an advanced patient data management software system designed specifically for use by clinicians, nurses and administrators.

Ascom software provides flexibility to tailor the solution configuration that can be adapted for the hospital department's needs. HTML5-enabled to allow user access from any PC or screen.

## Technical Specifications

Required Components	Optional components
Smart Monitor Web Vitals Web Online Web CDSS Connectivity	Wearables patient gateway app (only if customer wants to connect wearables) Connect Patient Device Identification (only if it's necessary to assign a device to the patient via Mobile app)

## Take the next step

Contact your local Ascom representative to start implementing Clinical Surveillance in your workplace.

# ascom

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**About Ascom**

Our vision is a world where the right information moves people forward. Our mission is to put the right information in the right hands at the right time so that people can make the best possible decisions.

We are a global provider of communication and collaboration solutions for the acute care, long-term care and enterprise sectors. Our solutions are based on intelligent integrations with software and hardware that are open source and compatible with third party solutions. Every single second, our systems generate large amounts of data, which we then turn into useful and actionable information. This helps us to bring data to life for people in the toughest operational environments, ensuring smooth, complete, and efficient workflows.

Ascom is headquartered in Baar (Switzerland), has operating businesses in 19 countries and employs around 1,400 people worldwide. Ascom registered shares (ASCN) are listed on the SIX Swiss Exchange in Zurich.