PHILIPS

Patient monitoring

IntelliVue Information
Center iX and CareEvent

A **comprehensive view...**
and smartphone alerts

Philips IntelliVue Information Center iX and CareEvent

When you're on the front line providing patient care, you're often expected to be everywhere at once. Delivering quality care to all your patients requires keeping abreast of patients' conditions, carefully scheduling your time, relying on teamwork, and responding quickly to critical situations.

Philips IntelliVue Information Center (PIIC iX) provides a powerful central monitoring system that gives you one, intuitive view of each patient's current status, including ECG waveforms, numerics, trends, STEMI Limit Maps, labs, and more. Each view is personalized to the patient's clinical condition and configured for your department.
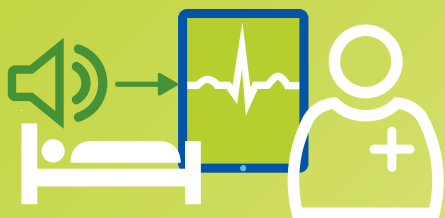
Key advantages

- Helps you maintain a comprehensive view of patient condition

- Delivers alerts with clinical context directly to your smartphone

- Supports streamlined clinical workflow

- Helps support improved alarm management

- Supports a continuous patient record

Clinical context
in your hands

Now patient monitoring alarms can be combined with CareEvent so that alerts – including up to four numerics, four waveforms and associated patient monitoring ringtones – are sent directly to your smartphone. With clinical context in your hands, you can determine the validity and priority of the alarm, and make an informed decision to respond, escalate it to a colleague, or rule it non-actionable.
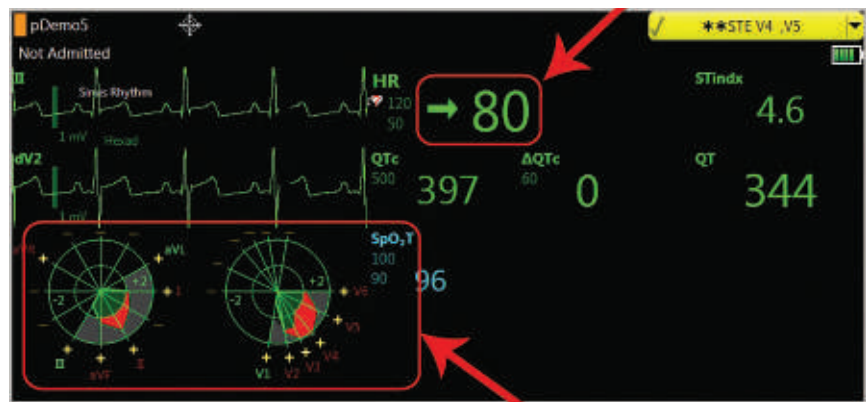
We provide an end-to-end patient monitoring solution that includes primary monitoring at the bedside, monitoring at the central station within the unit, and mobile applications on caregivers' smartphones. This continuous monitoring solution simplifies patient monitoring and helps align resources, processes and technologies. And because PIIC iX interfaces with your HIS applications and EMR, it also simplifies clinical workflow by giving you the power to do more at the bedside and by streamlining patient transfer.

CareEvent aids your efforts to …

- Reduce alarm fatigue, non-actionable alarms, sentinel events, and near-misses attributed to mismanaged alarms

- Improve staff communication

- Address the financial costs attributed to nursing overload

- Enhance the quality of care and hospital environment for patients, staff, and families

- Comply with the Joint Commission's National Patient Safety Goal on Alarm Management

Helps you maintain a comprehensive view of patient condition

- Clinical Decision Support (CDS) tools integrated into the PIIC iX main display help you quickly identify changes in patient condition.
  - Our exclusive CDS tool, the STEMI Limit Map, assists you in quickly identifying at-risk patients and is consistent with the American Heart Association's and American College of Cardiology's (AHA/ACC) recommendations for acute coronary syndrome.
  - Horizon Trends and Numerics provide representations of vital sign changes that make deviations clear at a glance. These provide visual information of how a patient's measurements relate to baseline or target values, and how those measurements are trending.
- The main resting display can be configured to meet your needs.
  - Main screen patient sector features include configurable waves and measurements, ST Maps, resuscitation status, patient group, battery indicator, and icons for clinical status.
  - Flexible Main Display supports changes in unit census and differences in patient acuity. When a patient has been discharged from the unit, his or her sector can be automatically or manually minimized. Additionally, for higher acuity patients, sectors can be automatically or manually made larger to show more data (e.g., a STEMI limit map).
- Review applications bring together ECG waves, trends (graphical and tabular), ST snippets, ECG statistics, and events into a consolidated view. Up to 12 configurable review applications can be created per unit, in order to have specialty data available, such as for a cardiac, surgical, respiratory, or neuro intensive care unit.
- Twelve-lead full disclosure option provides storage of 12 ECG waves at diagnostic quality (500 samples per second). Our proprietary Signal Quality Indicator (SQI) helps you find the high quality 12-lead ECG from the review data. From the full disclosure, diagnostic 12-lead ECGs can also be captured and exported to a cardiology management system.

- Store up to seven days of patient monitoring data (full disclosure waves, parameters, alarms, and events) for each patient, including 12 diagnostic ECG waves and eight non-ECG waves.
- Remote viewing support capabilities keep the clinical team informed at multiple locations, with up to ten overviews per patient.

Supports informed response for quick action and alarm management analysis

The PIIC iX supports alarm management by providing actionable information at the moment of the alarm, and aggregating data for informed decision-making.

- CareEvent delivers clinical context on your smartphone.
  - Displays up to four numerics.
  - Displays up to four waveforms with visual indicators that help you determine the priority and validity of the alarm.
  - Accommodates varied ringtones, including Philips patient monitoring alarm ringtones, to help you distinguish alarm types even before you view the alert.
  - Allows three levels of escalation to route alerts to appropriate care providers, so you have a back-up who can receive and respond to alerts if you are unable.
- The PIIC iX Alarm Audit Log supports hospital research on alarming and sentinel events, allowing organizations to analyze data in order to optimize alarm limits and reduce clinically non-actionable alarms.
  - Ability to filter by patient or unit, type of alarm (red, yellow, blue inops), action taken (e.g., silence, pause, etc.), and where that action took place (bedside or central).
- Clinical Audit Log contains 90 days of stored alarm-related information and is exportable to Excel® for further analysis.
- Alarm Summary report provides a snapshot of the patient's most frequent alarms along with the trends of major vital signs. This report can help you decide if an alarm limit change would result in a reduction of non-actionable alarms.

- Offers the ability to adjust parameter alarm limits and turn the alarm on or off in the patient sector.
- Provides up to 25 alarm profiles for telemetry patients, same as those available on monitors.
- Day/Night Automatic Volume Adjustment supports configurable and automatic adjustment of volume levels for day vs. night to support reduced alarm volume at night when patients need rest.

Supports clinical workflow

- Allows you to do more at the patient's bedside, including admission, transfer, equipment and caregiver assignments, and 12-lead capture and review; and supports interfacing with the EMR.

  - Patient admission from the hospital admission (ADT) system is supported at the IntelliVue patient monitor.

  - Patient transfer is supported – you can simply take the X2 monitor and dock it to a monitor in the new unit, and the patient history is automatically transferred.

  - The ability to easily assign multiple pieces of equipment to one patient is supported.

- Centralized software licensing provides a pool of monitored bed licenses, allowing the flexibility of later moving licenses based upon changes in units, staffing, and monitoring practices. Monitored bed licenses are no longer tied to the physical central station hardware.

- The Report Distribution option allows export of patient monitoring reports, including annotated wave strips, in electronic PDF format. With the IntelliBridge Enterprise solution, these reports can be configured to be automatically sent to the EMR via an HL7 message. This supports long-term storage and streamlined access via the EMR.

- Lab interface provides lab data on the patient monitor and supports ProtocolWatch Sepsis.

Supports a continuous patient record

- Trend Upload transfers up to eight hours of numeric data from the bedside monitor to the PIIC iX when the monitoring devices are back on the network.

- HL7 Store and Forward provides the ability to store the HL7 data and send it to the EMR. Note: Not all electronic records will accept historical data.

- Synchronization From Local Mode provides continuous patient demographics and review data, even after a disconnect from the primary server.

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