



**PHILIPS**

Patient monitoring

IntelliVue Information  
Center iX

# See the **big picture** – where and when you need it

## Philips IntelliVue Information Center iX

High acuity patient care is challenging and complex. Your patient monitoring solution should provide you with what you need to meet this challenge. The Philips IntelliVue Information Center (PIIC iX) is a powerful, real-time patient monitoring solution that consolidates rich, detailed, physiological data from patient monitors and clinical information systems and provides this data to you from virtually anywhere at any time – even sending data and waveforms to your mobile device. With on-demand access to patient monitoring data – both near real-time and historical views – it supports your needs in today's on-the-move world.

PIIC iX allows you to track your patients' data as they move through the hospital, from the Emergency Department to the Operating Room to the ICU and Progressive Care Units. PIIC iX supports standard IT practices and works with your existing hospital IT infrastructure, communicating with your EMR, ADT, and lab systems so you have access to data to help you treat patients and provide quality care.

### Key advantages

- Provides a clear view of patient condition
- Aids clinical collaboration and review of patient data from virtually anywhere
- Offers access to historical patient data for research through an SQL database
- Can provide access to vital signs data with a single click from the patient's EMR
- Provides clinical decision support tools including ST Limit Maps, clinical application suites and alarm management
- Facilitates a continuous patient record

# Stay connected from virtually **anywhere**

Philips comprehensive visibility solutions give you access to near real-time patient information from virtually anywhere at any time. They remove technology as a barrier and connect caregivers to patients and each other, so they can work together to deliver fast, responsive care. Mobile Caregiver enables viewing of near real-time physiological vital signs data, including waveforms and parameters, and retrospective review of alarm and wave data, on virtually any mobile device.

We provide an end-to-end patient monitoring solution that includes primary monitoring at the bedside, monitoring at the Information Centers, and mobile applications on hospital-supplied or caregivers' smartphones and other mobile devices. 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 simplifies clinical workflow by automating data transfer to these systems.



## Mobile Caregiver aids your efforts to:

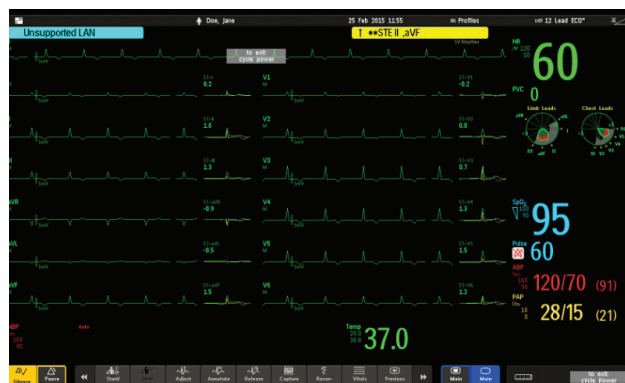
- Be aware of changes in your patients' conditions, regardless of your location, by enabling review of waveforms and parameters on your smartphone or tablet
- Improve clinical collaboration with the nursing staff
- Enhance the quality of care



## Access to patient monitoring information where and when it's needed

- Helps speed up critical decisions with access to rich patient monitoring information and trends from almost anywhere – while at home, in the office, or just in another part of the hospital – with remote access via the web and mobile devices through Mobile Caregiver.\* You can access this information with a single click from the patient's electronic chart or from any PIIC iX in the clinical network.
- Retrospectively review patient information for followup or if patients are readmitted. Stores up to seven days of all patient monitoring data (full disclosure waves, parameters, alarms, and events) for each patient. Additionally, full disclosure data is automatically stored for every patient for up to seven days post-discharge.
- Access any patient and the continuum of their patient monitoring history anywhere on the IntelliVue Clinical Network with the open system architecture of PIIC iX.
- At the bedside monitor, allows clinicians to admit from your hospital ADT system, manage equipment, export 12-lead ECG captures to your cardiology management system, and print electronic reports.
- Report Distribution option enables export of all patient monitoring reports, including annotated wave strips, in electronic PDF format. With the IntelliBridge Enterprise solution, these reports can be automatically sent to the EMR via an HL7 message, enabling long-term storage and streamlined access via the EMR.
- Lab interface provides lab data to the patient monitor, supporting advanced clinical applicants such as ProtocolWatch Sepsis and Early Warning Scoring.

## 12-lead with STE map



\*Based on hospital protocol

## A clear view of patient condition

- Clinical Decision Support (CDS) tools incorporated into the main display help quickly identify changes in patient condition.
  - Philips exclusive STEMI Limit Map helps you quickly identify at-risk patients and is consistent with AHA and ACC recommendations for Acute Coronary Syndrome.
  - Horizon Trends and Numerics on the main display provide an intuitive view of vital sign changes to make deviations clear at a glance.
- The ST Elevation algorithm alerts clinicians when a patient has ST Elevation in two or more contiguous ECG leads.
- Review applications bring together ECG waves, trends, and events into one consolidated view, including up to 12 specialized review applications tailored for your specific patient populations.
- Review, capture and export diagnostic quality 12-lead ECGs from review applications at the PIIC iX when utilizing a 10-wire ECG leadset on the bedside monitor. Other 12-lead full disclosure methods include EASI derivation with a 5-wire ECG leadset (all waves are derived) and Hexad Reduced Lead derivation (eight standard waves, and four derived V leads).
- The advanced Philips diagnostic 12-lead algorithm delivers a rapid, reliable interpretation of ECG data consistent with the Philips PageWriter Cardiograph (see ECG Brochure for more information):
  - Advanced age- and gender-specific interpretation
  - Advanced pediatric analysis and interpretation
  - Enhanced atrial arrhythmia analysis
  - Critical values statements to alert you to conditions that may require immediate treatment
  - STEMI-CA detection of suspected culprit coronary artery in ST elevation myocardial infarction
- The alarm audit log supports hospital research on alarming and sentinel events, enabling organizations to analyze data in order to optimize alarm limits and reduce clinically non-actionable alarms.
- Patient Data Warehouse Connect provides access to the Philips PIIC iX beat-to-beat wave, alert, and parametric data for research through a SQL database.

## Clinical audit log

Date	Bed Label	Action	MIN	Device Name	Critical
6/1/2015 15:23:16	Best	ST Elevation		IC-A000814	
6/1/2015 15:23:16	Best	ST T Wave		IC-A000814	
6/1/2015 15:23:16	Best	ST Segment Depression		IC-A000814	
6/1/2015 15:23:16	Best	ST Depression		IC-A000814	
6/1/2015 15:23:16	Best	ST Depression		IC-A000814	
6/1/2015 15:23:16	Best	ST Depression		IC-A000814	
6/1/2015 15:23:16	Best	ST Depression		IC-A000814	
6/1/2015 15:23:16	Best	ST Depression		IC-A000814	
6/1/2015 15:23:16	Best	ST Depression		IC-A000814	
6/1/2015 15:23:16	Best	ST Depression		IC-A000814	



### **Continuous patient record**

- Tested and validated to the IHE PCD Profiles Patient Care Device (PCD-01)
- **Auto Reconnect (for Enterprise and Small Network PIIC iX)**  
Supports auto reconnect if a server is disconnected and comes back online.
- **Sync from Local mode (for Enterprise and Small Network PIIC iX)**  
If the server goes down, the PIIC iX surveillance station continues to function as a central monitor; when the server comes back up and the system reconnects, the data that is stored locally on the surveillance station then uploads to the server.
- **Trend Upload**  
The IntelliVue Patient Monitor will accumulate numeric vital sign data when off network and upload this data to PIIC iX when the monitor reconnects (8 hours of buffered data).
- **HL7 Store and forward**  
PIIC iX will buffer and store the data if there is a disruption of network services and send the data to the EMR or Interface Gateway (including IntelliBridge Enterprise, a communication server and HL7 message broker); it will also send buffered data from Trend Upload.

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