

**PHILIPS**

Diagnostic ECG

ST80i stress-testing  
system

Workflow that  
works for **you**



The software features ST views, including ST map and zoomed ST.

# Next-generation stress testing

Fueled by the workflow needs of clinicians, the ST80i stress-testing system opens up new avenues for productivity and decision making.

The ST80i features a wireless patient experience, bidirectional connectivity, and advanced decision support tools that enhance data review, patient care, and workflow efficiency. Designed with clinicians and patients in mind, the ST80i brings cutting-edge technology and clinical support tools into customizable and easy-to-use software. The result is a flexible and intuitive solution designed to present stress-testing data useful in streamlining clinical decision making and productivity across the enterprise.

# A smart, streamlined solution



\* PC, keyboard, and mouse are customer-supplied in countries outside of North America.

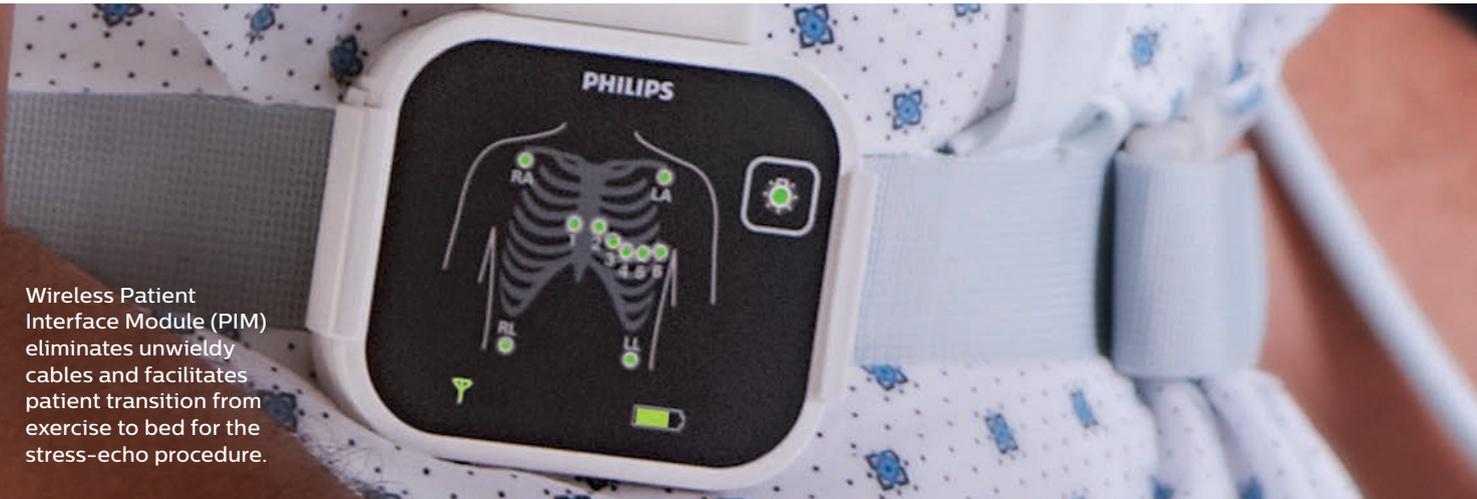
## Key advantages

- Facilitates clinical workflow by wirelessly performing stress procedures in an intuitive, customizable format
- Provides advanced clinical decision support tools to assist with clinical evaluation
- HIS connectivity to quickly acquire patient demographics and orders to speed workflow
- Combines 12-lead resting ECG module in a single device to provide flexible adaptation to varying clinical and workflow needs for higher productivity and lower costs
- Native bidirectional DICOM connectivity to improve interoperability with hospital information system
- Enterprise solution interfaces with IntelliSpace ECG management system to enhance workflow of cardiographs, stress, and Holter
- Electric confirmation with a signature of stress reports
- Export final reports to the hospital electronic medical record (EMR/EHR) upon completion of report

# Advances that **matter**

The ST80i flexibly adapts to varying clinical and workflow needs for high productivity and clinical confidence at a low total cost of ownership.

Wireless Patient Interface Module (PIM) eliminates unwieldy cables and facilitates patient transition from exercise to bed for the stress-echo procedure.



## Untether the patient experience

Freeing your patient from wires and decreasing the likelihood of motion interference, the ST80i has a compact wireless patient module that enhances traditional stress-testing systems.

The wireless patient module reduces the hazard of tripping over wires, and enhances patient comfort and movement while still transmitting a clear, high-quality signal.



Wireless PIM with a lead set.

# Advanced analytical methods

The ST80i features tools to help clinicians analyze stress ECG information.

**Diagnose** with confidence using algorithms designed at the Philips Advanced Algorithm Research Center.

- DXL Algorithm\* uses sophisticated analytical methods for interpreting the resting ECG, the same algorithm used in other Philips ECG equipment
- Calg-STR proprietary algorithm is designed specifically for stress testing

**View** comprehensive ST segment and morphology analysis in an anatomically intelligent format.

- View ST Maps, visual anatomical representation of ST deviations in frontal and horizontal planes
- Quickly identify anomalies with the dynamic zoomed ST display
- Monitor ST changes with auto-comparison of current and reference beat
- Watch for ST level and slope changes using the 12-lead average complexes
- Clearly see arrhythmias with dominant rhythm change notifications
- Access comprehensive and customizable reports with prognostic indicators (risk scores)



The ST80i offers wireless testing with an intuitive interface and customizable all-in-one computer to help streamline workflow.\*\*

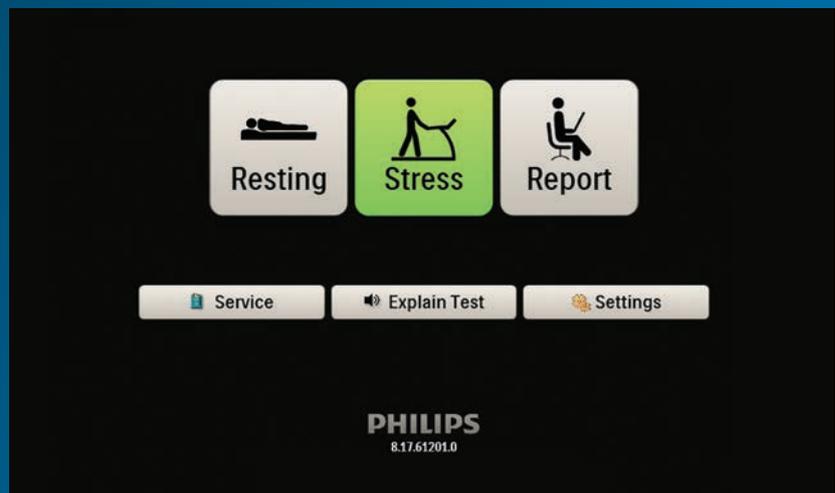
\* DXL Algorithm can provide ECG analysis for a standard resting ECG using standard chest and limb leads. Other configurations are not supported.

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## Resting ECG workflow

Perform a resting ECG prior to starting the actual stress test to determine the need to continue the stress test. Used as a comparison, it can allow clinicians to assess changes that occur from stressing the heart.

The intuitive resting ECG workflow is similar to that of other Philips ECG equipment and uses the same clinical decision support tool backed by the proven DXL Algorithm for confident diagnoses.



The ST80i combines 12-lead resting ECG and stress-testing modules in a single device for high productivity and valuable efficiency.



# Connectivity

## where it counts

Managing patient information from start to finish, the ST80i turns stress ECG data into actionable insights, using bidirectional network connectivity to collect and distribute data wherever it is needed throughout the enterprise.

### Import options

- Download patient data from your HIS or manually enter patient data
- Download patient data from DICOM RIS

### Export options

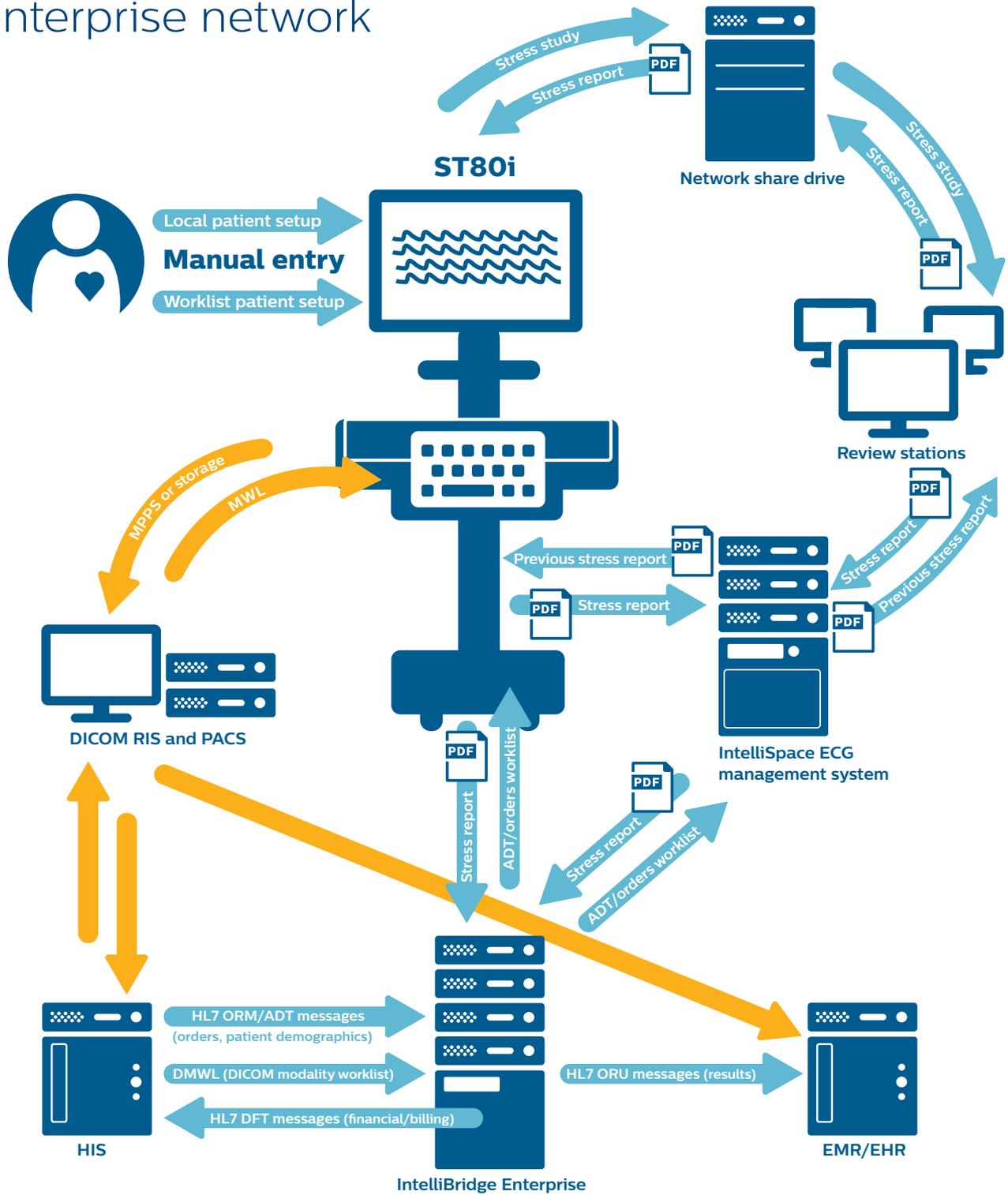
- Easily export final patient reports in a PDF format
- Interface with Philips ECG management systems and IntelliBridge Enterprise
- Easily export PDF reports to DICOM PACS
- Support DICOM MPPS (Modality Performed Procedure Step) and DICOM Storage Commitment transaction to DICOM PACS/RIS
- XML export of stress study report along with patient data and test procedure results

## Stress enterprise solution

Centrally store stress report and study data, edit the stress report, and integrate custom workflow with the fully integrated stress enterprise solution.

Whether you're in the cardiology or emergency departments, quickly access a patient's stress study and procedure history to assess the continuum of care. This powerful architecture is designed to increase efficiency and enhance patient outcomes because all of the patient's studies and procedure data are available from a single point-of-entry. Edit the stress PDF report in IntelliSpace ECG by invoking the full functional stress report editor from within IntelliSpace ECG enterprise-wide.

# Configurable enterprise network



This diagram represents a possible configuration of the network. Our flexible solutions allow you to configure your network to meet your needs.

