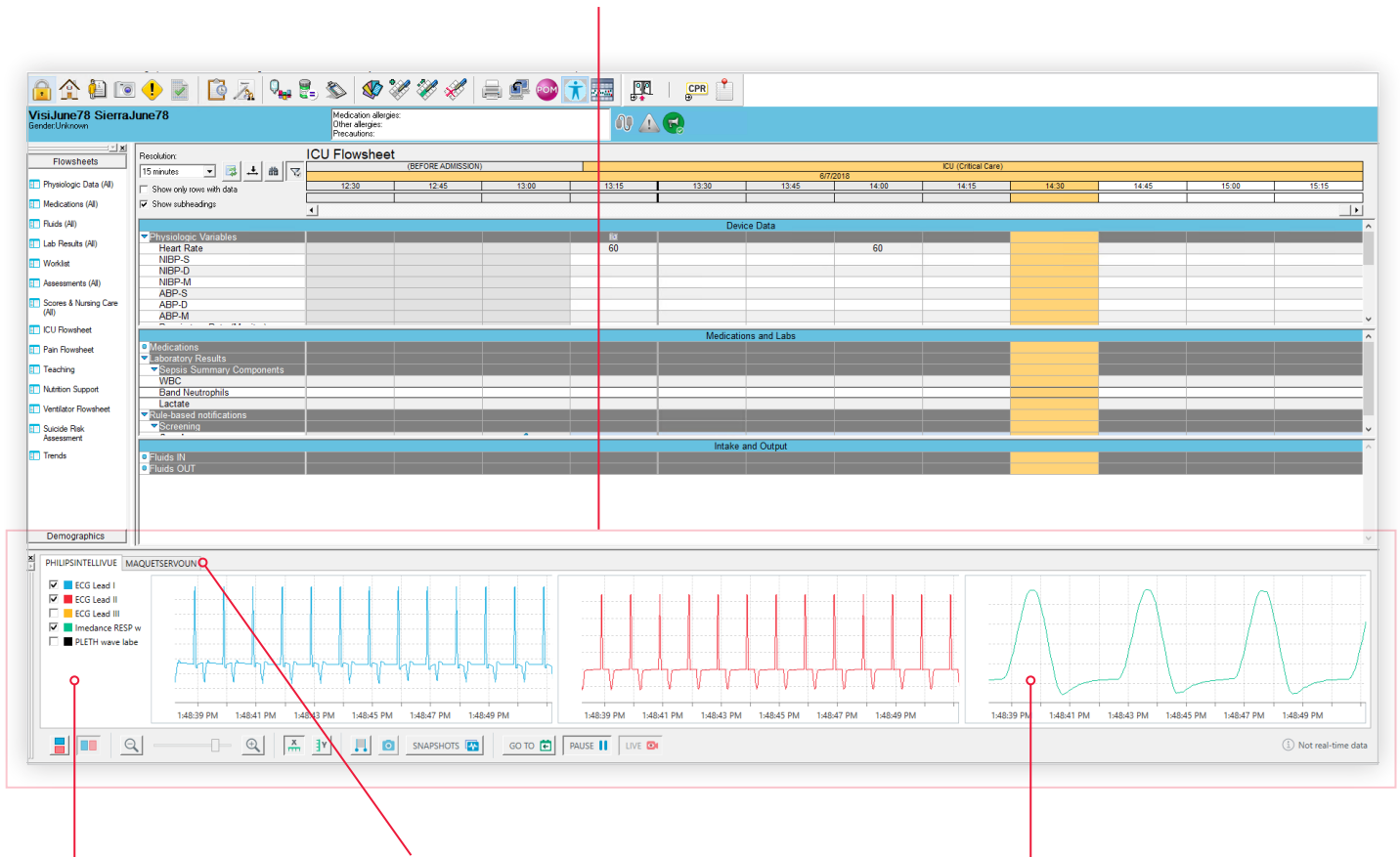


Waveforms

To help hospitals and clinicians document their patient records in an easier and more effective way, Picis® now has a feature for clinicians to **add waveform snapshots to a patient's chart and to printouts**. This document explains the recently added capabilities that make this possible.

Waveforms Capture

Enhanced drivers for selected devices provide waveform data. Near-real time waveforms display on the main screen is a new panel.

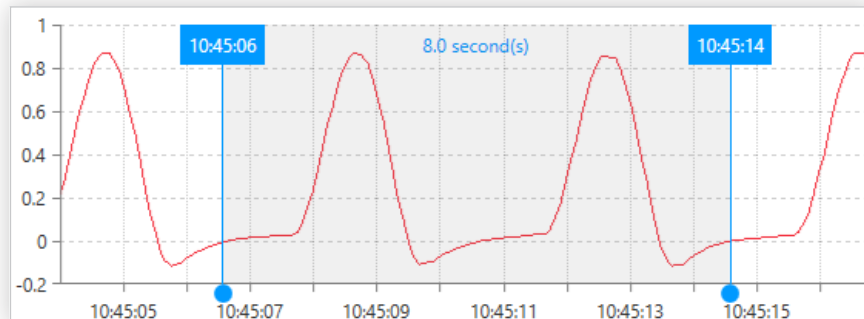


Channels can be added or removed from view.

Multiple connected devices are available through tabs.

Near real time data from devices.

Taking Snapshots of the Waveform



Whenever clinicians see a waveform event worthy of documenting, they can go back in time, up to 72 hours, to take the snapshot.

The snapshot can be up to 5 minutes long and can be tagged.

Editable snapshot name.

User-defined tags to classify a snapshot.

NAME	TYPE	START	END	USER	DEVICE
Automatic - Shift start - PHILIPSINTELLIVUE - 11-Jan 11:56:43	Automatic - Shift start	11-Jan 11:56:43	11-Jan 11:57:13	SYSTEM, SYSTEM	PHILIPSINTELLIVUE
Automatic - Shift start - MAQUETSERVOUN_WAVE - 11-Jan 11:56:43	Automatic - Shift start	11-Jan 11:56:43	11-Jan 11:57:13	SYSTEM, SYSTEM	MAQUETSERVOUN_WAVE
Automatic - Shift start - PHILIPSINTELLIVUE - 11-Jan 11:51:12	Automatic - Shift start	11-Jan 11:51:12	11-Jan 11:51:42	SYSTEM, SYSTEM	PHILIPSINTELLIVUE
Automatic - Shift start - MAQUETSERVOUN_WAVE - 11-Jan 11:51:12	Automatic - Shift start	11-Jan 11:51:12	11-Jan 11:51:42	SYSTEM, SYSTEM	MAQUETSERVOUN_WAVE
Automatic - Shift start - PHILIPSINTELLIVUE - 11-Jan 11:26:00	Automatic - Shift start	11-Jan 11:26:00	11-Jan 11:26:30	SYSTEM, SYSTEM	PHILIPSINTELLIVUE
Automatic - Shift start - MAQUETSERVOUN_WAVE - 11-Jan 11:21:00	Automatic - Shift start	11-Jan 11:21:00	11-Jan 11:21:30	SYSTEM, SYSTEM	MAQUETSERVOUN_WAVE
Automatic - Shift start - PHILIPSINTELLIVUE - 11-Jan 11:21:00	Automatic - Shift start	11-Jan 11:21:00	11-Jan 11:21:30	SYSTEM, SYSTEM	PHILIPSINTELLIVUE
Automatic - Shift start - PHILIPSINTELLIVUE - 11-Jan 11:16:00	Automatic - Shift start	11-Jan 11:16:00	11-Jan 11:16:30	SYSTEM, SYSTEM	PHILIPSINTELLIVUE

Automatic - Shift start - PHILIPSINTELLIVUE - 11-Jan 11:51:12

Type: Automatic - Shift start Time: 11-Jan 11:51:12 - 11-Jan 11:51:42 (30.0 second(s)) Device: PHILIPSINTELLIVUE User: SYSTEM, SYSTEM

25 mm/sec 10 mm/mV

ECG Lead II

Zoom x1

25 mm/sec 10 mm/mV

ECG Lead III

Tags

☐ Reference ☐ Anomaly ☐ Normal EKG

Measures

LEAD	MEASURE	DURATION

TAKE MEASURE

Comment 21/1024

Auto-capture snapshot

SAVE CHANGES DISCARD CHANGES

Automatic Snapshots

Picis provides the option to automatically capture a waveform snapshot at the start of a session and/or a shift. Picis uses the shifts defined in Customize. To ensure the review of an auto-captured snapshot, Picis notifies the current user or the user who signs in after the fact (if the snapshot happens without a signed-in user).

The auto-capture feature can be turned on per template. Also in the template are two additional settings: [i] to delay the snapshot start (in minutes) and [ii] to define the snapshot length (in seconds).

Editable snapshot comments.

Waveforms

Measuring ECG Intervals

Clinicians can document ECG intervals on a snapshot with an electronic caliper.

Move caliper start and end points to the appropriate interval.

LEAD	MEASURE	DURATION
ECG Lead II	ST segment	0.17 s.
ECG Lead III	QRS interval	0.10 s.
ECG Lead I	RR interval	0.84 s.

Start a measurement by selecting the Lead and Measure Type.

Use Zoom to enlarge the waveform for better precision.

Include the snapshots recorded as part of your own Printouts

The hospital can add waveform snapshots in printouts through a new Forms Builder block.

Users can choose which information should appear in the printout.

Users can select paper speed as in standard ECG printers.

New Waveforms block added.

This block works only in a continuous section to consume the minimum necessary amount of paper.

Users can create their own Tags for waveform classification.

Print out records with Waveforms

This is an example of a patient printout with waveform snapshots. Waveforms take as much printout space as needed to include all tagged snapshots for the selected time frame.

