

Streamline your Echo reporting workflow

Save time with Change Healthcare Cardiology Echo™ and GE EchoPAC™ integration

Minimise cart-based analysis

The rising demand for echocardiograms is placing increased pressure on hospitals to improve their echocardiography workflow and speed report completion. At the same time, there is a need for sonographers to minimise time spent at the patient's bedside.

As advanced image analysis is now integral for standard transthoracic (TTE) procedures, many hospitals are transitioning from mainly cart-based image analysis to full offline analysis for Echo reporting. To smoothly facilitate this shift for all customers, we are introducing a new EchoPAC plug-in which integrates Change Healthcare Cardiology Echo™ with GE Healthcare's EchoPAC™ post-processing analysis software.

The EchoPAC plug-in provides clinicians with a seamless Echo reporting workflow, as it enables all image review, analysis, and reporting to be completed within integrated applications on the same workstation. Clinicians no longer need to physically move between stations to accomplish their reviews.

Support analysis continuity

The integration is intended for clinicians using EchoPAC for offline viewing and analysis. Ultrasound images are acquired from GE Vivid™ carts, as well as from third-party ultrasound machines. The EchoPAC plug-in is launched directly from the Change Healthcare Cardiology worklist, giving cart-to-offline continuity in the chosen method of advanced analysis.

The plug-in launches in the selected procedure context, allowing the clinician to view images, analyse and export measurements, and save secondary captures. Measurements from GE EchoPAC are imported into discrete values in the Change Healthcare Cardiology Echo report, saving clinicians time.

Secondary captures are stored as part of the relevant procedure in the single patient record maintained in the Change Healthcare Cardiology database. They can also be embedded in the Change Healthcare Cardiology Echo report.

Reduce turnaround time

By simplifying a previously complex workflow, the integration improves efficiencies and helps to reduce turnaround times. Organisations can

also reduce their IT overhead – and decrease their total cost of ownership – by installing GE EchoPAC and Change Healthcare Cardiology™ on the same stations.

Access full suite of advanced tools

For existing GE Echo cart users, the new integration offers robust, tools for advanced image analysis:

- AFI strain
- AFI strain in stress Echo
- Myocardial work (strain modified with blood pressure to give cardiac efficiency)
- 2D strain, including rotation and torsion
- 3D aortic valve auto-quantification
- 3D mitral valve auto-quantification
- 3D LV auto-quantification, including volume and strain
- 3D RV Auto-Volume
- 3D advanced re-cropping and manipulation
- Open 3D4D, vendor-agnostic analysis of 3D and 4D images

Rely on a singular cardiovascular record

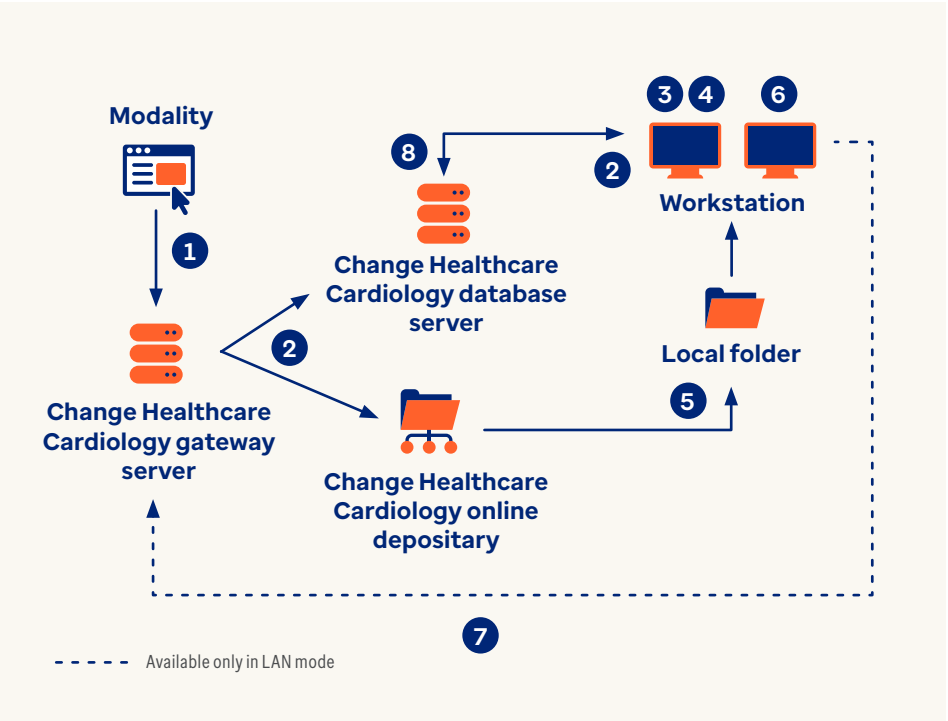
We are a long-term trusted partner of the National Health Service. Change Healthcare Cardiology is live at 80+ sites in the United Kingdom and Ireland, and provides British Society of Echocardiography-compliant datasets to support structured reporting of all Echo procedures.

By implementing Change Healthcare Cardiology, one hospital in the Republic of Ireland reduced its echocardiogram workload by 8.9% – and ensured that 80% of its echocardiogram requests from patients in the Acute Ward are performed on the same day as they are ordered.*

The redesigned Change Healthcare Cardiology Echo™ solution was built upon advanced user experience concepts to help your organisation maximise productivity and improve clinical decision-making. The solution features an intuitive workflow designed to streamline the management of transthoracic (TTE), transoesophageal (TOE), and stress echocardiograms.

The platform is part of our Cardiology portfolio, which provides invasive and noninvasive solutions for the end-to-end management of images, reports, and waveforms, plus charge capture and inventory management. The portfolio leverages a single database design to provide anytime, anywhere access to the patient's complete imaging history.

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For existing GE EchoPAC users, the integration provides an opportunity to move to our single-vendor solution for image reporting and storage while continuing to use the familiar GE EchoPAC tools for offline analysis, now launched from the Change Healthcare Procedure List and Echo Report.

This configuration allows users to:

- Access the full suite of current GE EchoPAC A203 advanced tools, including 3D/4D advanced tools and rendering, plus GE raw data speckle tracking packages
- Use EchoPAC as the viewer for Vivid ultrasound images with DICOM measurements imported directly from EchoPAC into the Change Healthcare Cardiology Echo reporting fields
- View raw data images from Vivid ultrasound carts and perform analysis
- Support full off-line analysis, reducing the Echo exam time with the patient
- View and perform advanced analysis on DICOM ultrasound images from other manufacturers. The EchoPAC analysis package accepts public DICOM SR files from third-party Echo carts. Users can process 3D/4D data from GE, Philips, Siemens, Hitachi, and Canon in EchoPAC.


* Results from data collected in 2016 at Sligo University Hospital in Sligo, Republic of Ireland. Case study available.



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