



Change Healthcare Mammography Plus™

Multimodality breast-imaging reads with Mammography Plus

Diagnosing breast disease in today's multimodality environment is increasingly complex, even as the volume of exams rises. Change Healthcare Mammography Plus provides tools for reviewing mammography and other supported breast-imaging studies.

Our solution was developed with feedback from clinicians experienced in mammography interpretation to support the needs of mammography review workflows. With Change Healthcare Mammography Plus, your physicians won't be tied to a dedicated mammography workstation. Instead, they'll have access to multimodality imaging with workflow capabilities for both 2D full field digital mammography (FFDM) and digital breast tomosynthesis (DBT).

Our solution combines the power of a universal, multimodality PACS workstation with configurable display protocols, access to the patient's complete history and mammography reading tools.

Optum

Our all-in-one platform lets you leverage your existing investment in Change Healthcare Radiology Solutions™ PACS to address the medical imaging requirements. Capabilities include:



Display CAD findings

Our product supports the display of CAD findings for mammography images generated by third-party AI solutions such as iCAD ProFound AI, ScreenPoint Medical's Transpara® and Hologic's Genius AI™. These findings include case findings and case score representing the CAD algorithm confidence that a study contains a malignant finding. Nonintrusive visual aids, including marks, text overlays and navigation buttons, support the navigation and review of findings and CAD SR results within the image stack.

Large image volume data processing

Large DBT datasets can be efficiently loaded, navigated and manipulated, much like the large dataset slices associated with CT exams. Images from FDA-approved DBT modalities are accepted.

Synthesized 2D Image Viewing (S-MG)

Synthesized 2D mammography images created from the DBT data can be viewed and manipulated with standard FFDM tools and functions, including display protocols, dual magnifying glasses, historical matching and sector zoom.

Dynamic cine tools

Incorporate automatic dynamic cine display for DBT at any stage during a display protocol. This creates flexibility by permitting ad hoc switching between cine mode and individual slice display.

Synchronized dual magnifying glasses

Use dual magnifying glasses to examine image detail on any combination of FFDM, DBT and S-MG images. Magnification illuminates areas of interest, including abnormalities, mass margins and subtle architectural distortions.

DBT slabbing tool

DBT slices can be combined into a single slab of user-designated thickness for further visualization and assessment. Slabbed presentation of DBT image can be added to display protocols with specified slab parameters automatically applied.

Compare current and prior images

Our Historical Similar Images (HSI) matching feature sequentially displays current and prior images for comparison. The system automatically performs HSI matching for anchor images displayed on the monitor.

Users can specify a group of similarly oriented projections (e.g., LM, LMO, ML, MLO, MLORI and MLORS) to include in HSI matching for prior mammograms. Display protocols allow MG HSI to be automatically displayed for anchor studies of other breast-imaging modalities, such as ultrasound or magnetic resonance, if the patient has these images in their history.

Section-zoom functionality lets radiologists zoom to any of the four image quadrants for a high-resolution review, enabling systematic cycling through quadrants and breast sections. Radiologists can review mammography images in 100% (pixel-to-pixel) zoom mode.

BI-RADS display

BI-RADS® assessment information for each prior mammography study is available in the patient portfolio and can be color coded via sitewide configuration. Radiologists can assess the patient's breast history without having to open or read individual reports. Customizable displays of breast-density information from qualified CAD SR objects help radiologists evaluate density and include this data in reports.

Customize display protocols

Our configurable display protocols can incorporate any type of breast imaging to enable uniform sizing comparisons between historical images and current FFDM, S-MG and DBT. Sitewide display protocols are available for supported screening and diagnostic unilateral and bilateral mammography workflows. User-specific display protocols can be fine-tuned to accommodate reading habits and preferences.

Read across modalities

Change Healthcare Mammography Plus brings mammography review capabilities into an integrated imaging platform. Integrated functionality supports image review and comparison across multiple imaging modalities within a unified workflow.

The solution fully supports the IHE Mammography Image Integration Profile (MAMMO) for specific image and object-display quality, behavior and layout, enabling comparison of prior images with current images, regardless of an acquisition device producing the images.

Supports mammography review within an integrated imaging platform, without requiring a dedicated mammography workstation

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Change Healthcare Mammography Plus**

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