

Interfaces

Breast Density Interface for Report Generation & Cancer Risk Analysis:

As the pioneer, PenRad's DICOM SR interface processes computed breast density algorithms. This automatically preselects the breast density for report generation. The vendor's itemized list of individual measurements is also available. The computed breast density value is forwarded to the Tyrer Cuzick breast cancer risk engine.

CAD Findings Interface:

PenRad's DICOM SR interface also processes the computed CAD markers and CAD risk value. CAD risk level is displayed on the reading worklist to assist staff, for immediate review or reading assignment. CAD interface also offers the narrative report to be populated with the abnormalities, including location, size, and other details provided.

Softcopy Synchronization Interface:

We have the interfaces, with transform and repeat options.

Voice Recognition Interface:

PenRad offers and integrates with the major vendors when structured reporting needs to be supplemented. Our mobile speech application offers various alternatives to enterprise systems.

HL7 Bi-directional Interface:

We have them all covered, plus private tags.

FHIRCAST and FHIR:

Conductivity and exchange based on HL7 FHIR.

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Patient Survey Interface for Portals:

PenRad offers facilities a web socket API to let the patient update information before arrival.

3rd Party Patient Risk History Survey Interface:

Specialty vendors are offering survey products. PenRad assists these vendors with access to several interfaces. Typically the survey vendor requests patient demographics, any historical medical and risk information, breast density value, and today's worklist. 3rd parties may leverage PenRad's existing HL7 and DICOM interfaces to reduce expense.

Typically they generate a text blob of risk info. PenRad can insert this info directly into patient letters and narrative report. They also produce a worksheet with a series of risk values. PenRad can store this worksheet internally for viewing and forward to PACs via our DICOM engine.

PenRad's Patient Risk History Survey:

All of the interface features discussed above are already incorporated within PenRad's patient medical and risk survey form system (collecting and updating medical hx, computing risk values and genetic testing eligibility). Our suite offers analytics, data mining and export, a common database reservoir and many more features.

Our integrated suite is a superior alternative to a single propose 3rd party free-standing "survey". It eliminates their initial and ongoing expense plus interfaces. Our suite offers tablet collection and signature of HIPAA, release, consent, email, plus educational videos, and much more.

Ready for a demo?

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