Volpara® Patient Hub™

Complete mammography reporting and patient tracking software

Volpara® Patient Hub™ is vendor-neutral software used by leading breast imaging centers to help provide high-quality care to women in their communities. You can use it as stand-alone mammography reporting and patient tracking software, or as an integral part of a comprehensive approach to early detection through risk assessment.

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Adaptable workflows.
Streamlined patient tracking.
Integrated risk assessment.

Get your patients the care they need faster, better.

Reporting mammography results and managing patients can be complex, time-consuming tasks. But they don't have to be. With Volpara® Patient Hub™ software, you can work the way that's best for you. Your team can create adaptable workflows and automated, consistent communications while easily meeting regulatory compliance standards. With the integrated risk assessment option, your facility can identify and track patients at high risk of developing breast cancer.

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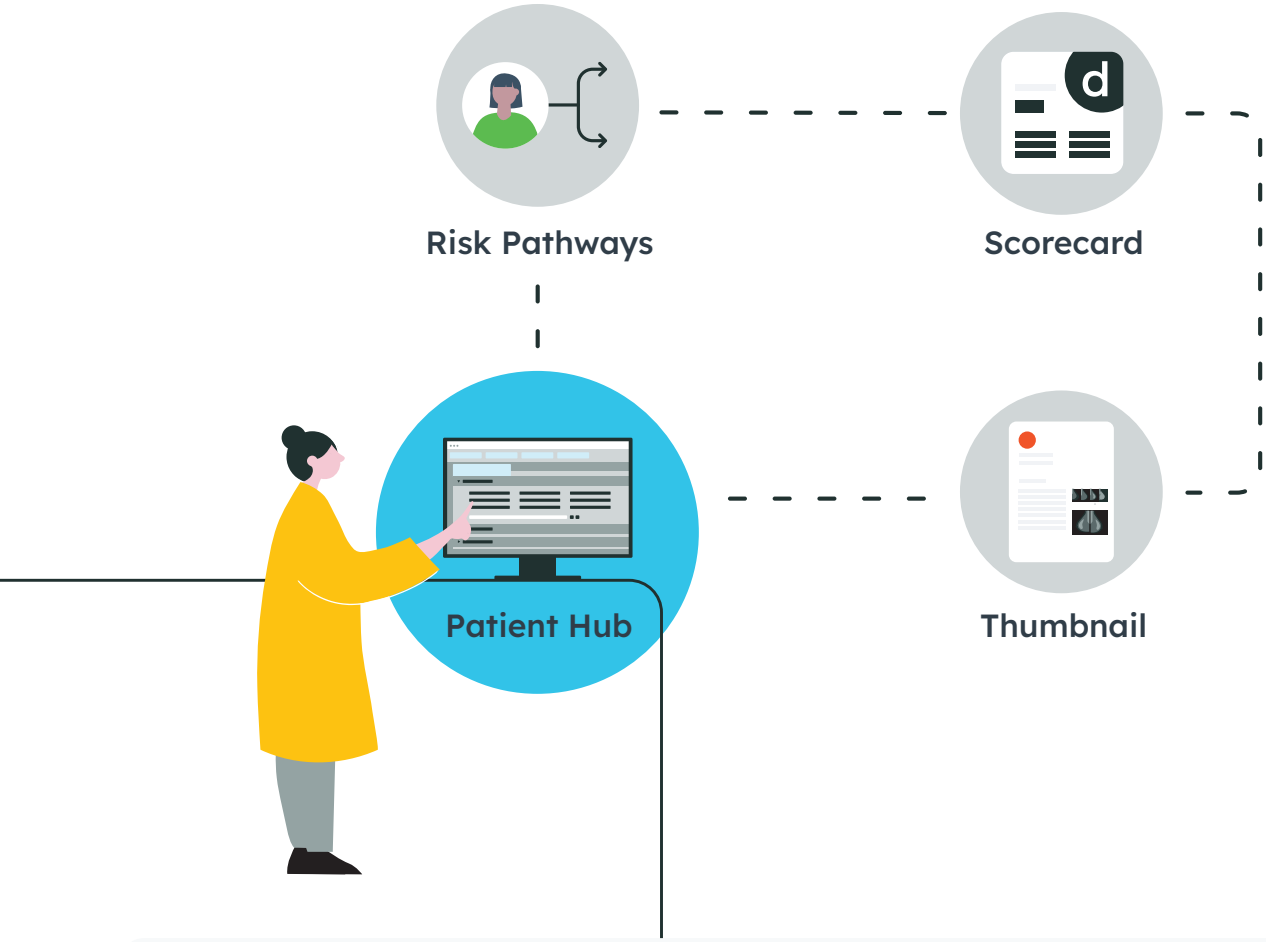


MRS7 customers who upgrade to Patient Hub will maintain the features they've come to rely on while benefiting from improved security, a tailored user experience and workflows, and future enhancements.

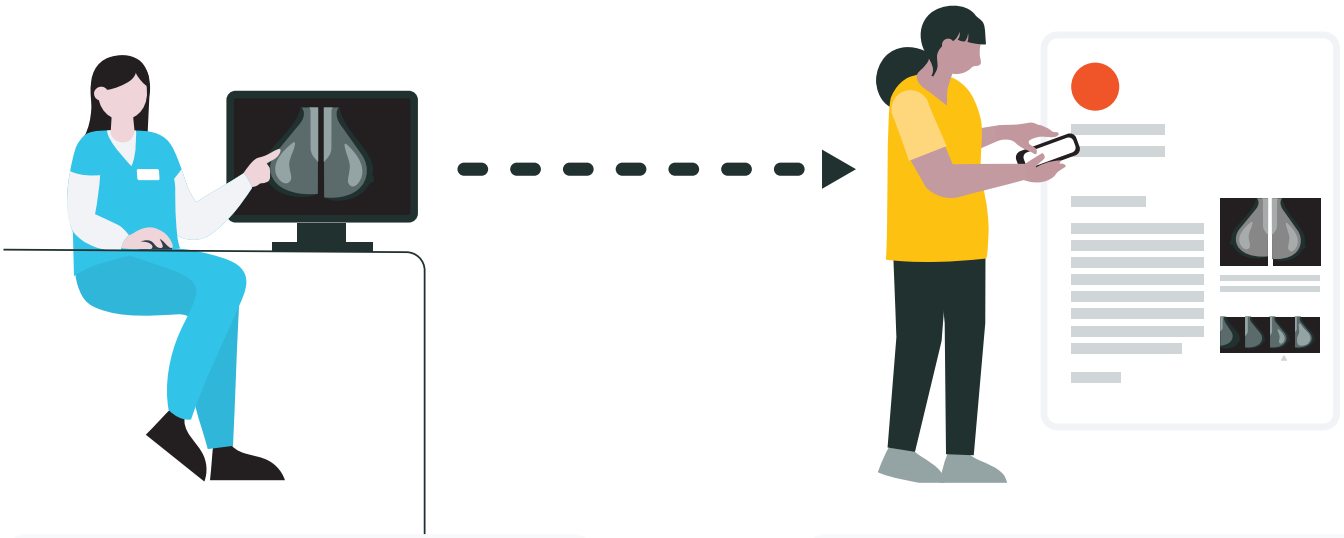
Volpara Patient Hub

Complete mammography reporting and patient tracking software

Individualized, coordinated workflows

An organization's complex ecosystem can lead to quirky, disparate workflows that make it hard to coordinate your efforts. Different jobs among administrative and clinical staff often mean big differences across worklists, patient record setups, and personal statistical report folders.

Patient Hub allows users to set up their own worklists based on a comprehensive set of criteria so they can work effectively whatever their role in the care path – from screening to diagnosing to follow-up. With a single system and source of truth, your team no longer needs to worry about patients slipping through the cracks.



Timely patient communications

Your facility needs to inform patients of their results in a timely manner. This is especially true for at-risk cases, such as those involving a call back for biopsy.

Unlike electronic health records or radiology information systems, Patient Hub is designed specifically for mammography reporting. It supports your staff in meeting intricate reporting regulations.

Automated communications

To provide the best care, radiologists must communicate effectively with not only their patients but referring providers and insurers. Often, communications such as breast density reporting must include specific language to meet state and federal regulations. With Patient Hub, you can easily automate these standardized communications.

One-touch submissions

Radiologists at high-volume screening sites may read as many as 200 screening exams a day. They need their reading to be as efficient as possible, with their time spent studying images rather than operating software.

Patient Hub's one-touch buttons allow radiologists to submit their findings, assessments, recommendations, and final reports with ease. By not having to move between systems, they can move through "normal" screening exams with reduced context switching and associated fatigue.

Seamless workflow integrations

Radiologists' need for efficiency applies not just to their reading, but to any software system required for their workflow. Patient Hub allows you to keep things simple, whether your facility uses RIS, PACS, workstations, or voice recognition integration software.

Patient Hub's large library of integrations allows your site to use the systems you already have. You can embed Patient Hub into your existing workflow or, if you don't use another reading system, even use it to drive the workflow.

Top-notch security and data protection

To support HIPAA compliance, Patient Hub supplies role-based permissions, service alerts, and greater log visibility, with a detailed view of changes to patient or procedure records.

User access can be administered via lightweight directory access protocol (LDAP) or single sign-on (SSO), which supports two authentication protocols – Security Assertion Markup Language (SAML) 2.0 and Open ID Connect (OIDC). Patient Hub supports Transport Layer Security (TLS) 1.2 and structured query language (SQL) encryption to protect your data.

Patient Hub also supports regulatory requirements for ACR BI-RADS® and MQSA, and submission to NQMBC.

Streamlined regulatory compliance

Sites that offer mammography service must stay in compliance with the FDA-inspected MSQA. This is often a complicated process, and failure to pass inspection can lead to significant consequences.

Patient Hub provides exports and reports from the data collected in the background that many sites have used to pass inspections. You can do the following to aid your audit process:

- Build, copy, and group reports in a single folder for easy access and repeat use
- Print reports with a single click
- Access all statistics and lists from a single screen
- Open multiple reports simultaneously
- Export data to ACR NMD Version 3.0 (BI-RADS 5th Edition, 2013), Breast Cancer Surveillance Consortium, Canadian Breast Cancer Screening, Chicago Breast Cancer Quality Consortium, and NQMBC reporting
- Demonstrate proof of compliance with EQUIP to FDA auditor with built-in reports

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Unique features for all care team members

Technologist

- Prioritize daily tasks with unique worklists
- Improve consistency with access to procedure templates

Radiologist

- Adapt templates to reporting scenarios and individual radiologists
- Enter findings, assessments, and conclusions, and submit final report with one-touch buttons or via voice recognition integration software
- Objectively triage women to supplemental screening

Administrator

- Accelerate statistical reporting for audits with reports and easy exports
- View facility performance metrics in administrative dashboards that combine operational and clinical data

Volpara Risk Pathways

Seamless risk assessment integration

There's no need to change your workflow to accommodate risk assessment. Volpara® Risk Pathways™ takes on the complexity behind the scenes with seamless integration of risk assessment into the resources you're already using.

Patient Hub with the Risk Pathways option allows you to offer patients a complete, continuous path of care, from intake and the gathering of their medical history to adjunctive imaging and genetic testing and counseling. Risk Pathways and Patient Hub work together seamlessly, keeping your patient data current and consistent across systems. Information from imaging appointments automatically updates in Risk Pathways, so genetic counselors have immediate access without duplicate entry.

Key data elements that sync:

- Last mammogram exam
- Personal and family cancer history
- Biopsy and surgical procedures
- Physical data and ethnicity
- Childbirth and gynecologic history
- Hormone Replacement Therapy and birth control
- BRCA1/BRCA2 genetic test results*

*When patients are referred for genetic testing, BRCA1/BRCA2 results from linked labs automatically populate in both systems.

At every step along the way, Risk Pathways offers your staff the tools they need to deliver the effective, appropriate care and positive experience their patients deserve.

Efficient, empowering online questionnaire

As personalized breast screening programs become the standard of care, providing a good experience for patients is more important than ever. Using our online questionnaire to collect your patients' risk factors and medical history is an opportunity to empower them and determine their individual pathway for early detection.

The more accurate and comprehensive your information, the more effective and successful your program will be. Our automated online questionnaire enables you to collect data from patients—either before the appointment or in your facility, freeing your technologists from administration tasks. Plus, medical history on record is pre-populated for smoother patient engagement, greater adherence, and improved accuracy from year to year.

Patient

Access the online questionnaire from home – ahead of the screening mammogram – for more time to complete family history and reduced wait times during the appointment.

Technologist

Check medical history from the online questionnaire to support accurate risk assessment.

- Spend less time helping patients collect personal and family history and more time validating new information.
- Quickly skim new or changed medical history for more meaningful patient conversations.

Comprehensive risk calculation and decision support

Patient Hub with Risk Pathways features the major breast cancer risk models and guidelines so your team can make informed decisions about the best screening path for each patient, whether that involves supplemental imaging, risk-reducing therapy, or genetic testing:

- Gail
- Tyrer-Cuzick v7 and v8 Risk Evaluation Tool (TC7 and TC8)
- American Cancer Society® (ACS) guidelines
- NCCN Guidelines for Genetic/Familial High-Risk Assessment: Breast, Ovarian, and Pancreatic (NCCN Guidelines®)[1]

The ACS guidelines and NCCN Guidelines transform risk models into recommendations for next steps, supporting clinical decisions, reducing the mental load for clinicians, and creating standards across your organization. They also enable you to support your facility's accreditation with the National Accreditation Program for Breast Centers (NAPBC), showing how and why a patient goes on a particular care path.

Radiologist

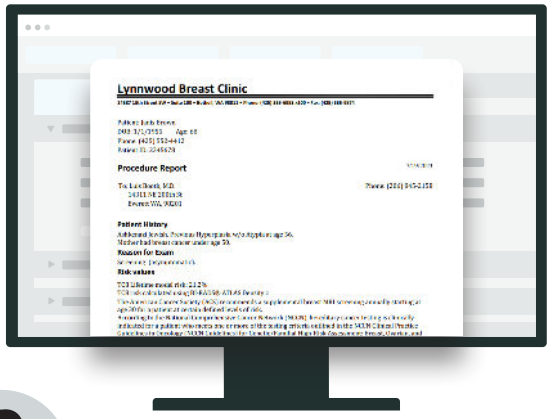
- Calculate patients' risk of developing breast cancer using the Tyrer-Cuzick v7/v8 or Gail models.
- Enjoy streamlined reporting and triage through easily accessible risk scores – available through the Patient Hub user interface or dictation software, or Volpara® Scorecard™ in the case of TC8.
- View the impact of risk factors and communicate guideline-driven care recommendations for breast cancer and hereditary cancer risk.
- Use automated ACS supplemental screening guidelines to guide your decision-making process.
- Determine hereditary cancer risk using the NCCN Guidelines for genetic testing eligibility and personalized surveillance.

Nurse Navigator

- View the impact of individual risk factors following calculation for greater understanding, transparency, and troubleshooting.
- Identify patients eligible for adjunctive imaging or genetic testing.

Auto-populated care recommendations

Auto-populate care recommendations based on risk score and guidelines (from the NCCN and ACS) in the mammography report and in patient and referring provider letters.



Flexible toolbox for effective patient engagement

Making sure your patients understand their risks and options is a big part of the work you do. Navigating them through their care path means keeping on top of lots of information. Risk Pathways places all the information you need in one place, right at your fingertips.

You can access a breakdown of risk factors and scoring so patients, clinical specialists, and primary care providers can easily understand the underlying factors contributing to high/low numbers and why risk has changed over time.

Nurse Navigator

Create intuitive high-risk patient worklists for patient navigation and management.

Lab Connect for efficient interaction with your lab of choice

Lab Connect streamlines your documentation processes in a point-of-care testing program with genetic lab test request forms (TRFs) or Myriad Patient Education Service (PES) forms that are pre-populated with patient data. This enables your clinical staff to quickly order a test for qualifying patients or educate your patients as part of an informed decision-making process.

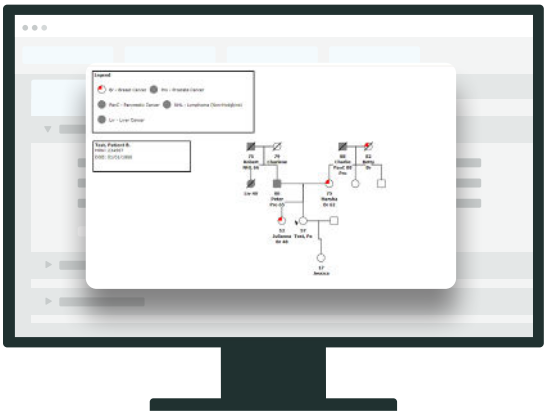
Lab Connect documentation also provides a breakdown of risk factors and scoring so patients, clinical specialists, and primary care providers can easily understand the underlying factors contributing to high or low numbers.

Nurse Navigator

- Order, track, and understand genetic tests with your lab of choice: Ambry, Myriad, Invitae, or Natera.
- Order tests without any double entry of data into a separate lab portal, saving time and reducing errors.
- Facilitate and document patient conversations and follow-up.

Risk 360, a robust pedigree tool

For members of the care team outside of imaging that collaborate with your radiology staff, Risk 360 enhances hereditary cancer risk calculation with multiple risk models and a detailed pedigree drawing that can be shared with patients and their families.



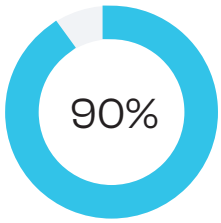
Genetic Counselor & Clinical Specialist

- Dive deeper into hereditary cancer risk and cascade testing.
- Determine cancer risk beyond breast cancer with access to additional models and the NCCN Guidelines:
  - BRCAPRO™ | BRCA1/2 genes
  - MMRpro | ovarian, endometrial cancers
  - CCRAT | colorectal cancer
  - PancPRO | pancreatic cancer
  - Claus | lifetime risk
- Order, track, and understand genetic tests with your lab of choice: Ambry, Myriad, Invitae, or Natera.
- Order tests without any double entry of data into a separate lab portal, saving time and reducing errors.
- Facilitate and document patient conversations and follow-up.

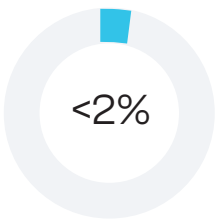
The need for a risk assessment program

Assessing risk of developing breast cancer has never been more important – for women of all ages. As most women are unaware of their risk status,[2] it's a real opportunity for healthcare providers to fulfill a growing need.

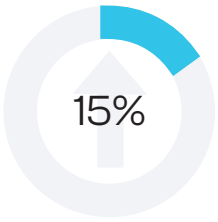
US women over age 40 with high breast density[3]



Women with hereditary risk not yet identified[4]



Women at high risk offered an MRI and undergo exam[5]



Increase in screening adherence when women know their risk[6]

A risk assessment program is one of the best ways your organization can provide the personalized breast cancer screening that is fast becoming the standard of care. In fact, the leading screening guidelines now recommend clinical risk assessment as the basis for which women are screened and what imaging modalities are used.[7] In addition, various industry and regulatory changes all signal the heightened importance placed on assessing breast cancer risk.

For example, the NAPBC will soon require proof of risk assessment at screening for facilities to attain accreditation or renewal. Similarly, the new breast density notification rule enacted by the United States Food and Drug Administration (FDA) stresses the role of breast density in women's risk of developing cancer. This expanding emphasis on risk assessment means that imaging departments stand to benefit from the increased revenue generated by MRI. At the same time, however, these imaging departments, along with oncology and high-risk clinics, will need help managing their high-risk workflow.

That's where Volpara Risk Pathways can help.

Technical specifications

Server requirements (Patient Hub Control Server)	**Supported**	**Recommended**
x86 processor speed	2.4 GHz – 4 cores	2.6 GHz – 6 cores
RAM	8 GB	16 GB or higher
Disk space	100 GB free space	100 GB free space
Operating systems	**Supported OS:** Windows Server 2016 Windows Server 2019 Windows Server 2022 Windows Server 2025	Windows Server 2025

SQL requirements	**Supported**	**Recommended**
SQL version	SQL 2016 SQL 2019 SQL 2022	SQL 2022
x86 processor speed	3.5 GHz – 6 cores	3.5 GHz – 10 cores
RAM	8 GB	16 GB or higher
Disk space	100 GB free space	100 – 619 GB free space
Operating systems	**Supported OS:** Windows Server 2016 Windows Server 2019 Windows Server 2022 Windows Server 2025	Windows Server 2025

Workstation requirements	**Supported**	**Recommended**
Processor	Core i3	Core i7
Processor speed	2.4 GHz – 4 cores	3.4 GHz – 4 cores
RAM	8 GB	16 GB or higher
Hard drive	20 GB free space	20 GB+ free space
Supported operating systems	**Supported OS:** Windows 10 Windows 11	Windows 11

Network requirements	**Supported**	**Recommended**
Network infrastructure	100 MBPS (10/100 Ethernet)	100MBPS (10/100 Ethernet)
Network bandwidth	50 KBs on average	3 MB/s peak usage

FOR PATIENT HUB CUSTOMERS

Volpara Scorecard

Software add-on for supercharged density assessment

Accurate assessment and reporting are essential to personalized breast cancer screening. With breast density recognized as a major risk factor for breast cancer, the objective, automated assessment of Volpara® Scorecard™ is the key to early detection, whether your facility's focus is evaluating density's masking risk or optimizing a risk assessment program.

Scorecard is based on the Volpara® TruDensity™ algorithm, which calculates volumetric breast density (VBD), fibroglandular tissue volume, and breast volume to assign a breast density category for an objective and consistent assessment.[8]

Exclusive lifetime risk assessment input

The Scorecard VBD calculation is the only validated, automated breast density measurement used as an input to the TC8 risk model, helping achieve a more accurate assessment of lifetime risk of developing breast cancer.[9]

Radiologist

- Access patient breast density and risk insights essential for improved clinical decision-making and early detection without having to recalculate the TC8 score.
- Provide evidence of high breast density to referring physicians and insurers.
- Triage women at high risk to the screening or diagnostic testing essential for better outcomes.

FOR PATIENT HUB AMD SCORECARD CUSTOMERS

Volpara Thumbnail

Optional image-enhanced result letters

For more compelling density notification letters, add Volpara® Thumbnail™ – available exclusively for Patient Hub and Scorecard customers.

Providers can go the extra mile to help patients understand their own breast health with Thumbnail's image-enhanced patient letters. These letters show breast images and explain what their density means in simple-to-understand terms and visuals.

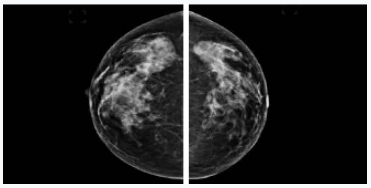
1. Two non-diagnostic mammogram images from patient exam, one of each breast.
2. Percentage of breast tissue that is dense.
3. Reference images showing where patient's breast density falls within the BI-RADS a, b, c, d categories.
4. Arrow indicates where density sits within the range for that category on a continuous scale.
5. QR code and link to an educational website for additional information about breast density.

"Patients want to be able to make their own decisions and be educated. The Thumbnail letter gives them that. It also provides us with an opportunity to teach and let each patient know where she stands. Beyond patient education, I think it helps promote compliance with supplemental screening recommendations."

Diana Iglewski
Director of Clinical Care &
Women's Imaging, Southtowns Radiology

Southtowns Radiology

1 **Your mammography images**

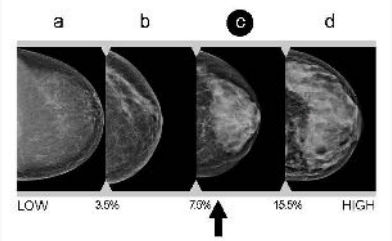


Right breast Left breast

2 **Your breast tissue composition**

Your breast composition is **c** (8% volumetric breast density). This means that you have high breast density.

3



4 For more information about breast density and what to ask your doctor, visit www.volparadensity.com/c.

5

www.volparadensity.com/c

References: 1 https://www.nccn.org/guidelines/guidelines-detail?category=2&id=1503 / 2 https://ascopubs.org/doi/full/10.1200/CCI.18.00072 / 3 https://www.mayoclinic.org/tests-procedures/mammogram/in-depth/dense-breast-tissue/art-20123968 / 4 https://ascopubs.org/doi/full/10.1200.CCI.18.00072 / 5 Drohan B, Roche CA, Cusack JC Jr, Hughes KS. "Hereditary breast and ovarian cancer and other hereditary syndromes: using technology to identify carriers." Ann Surg Oncol. 2012 Jun; 19(6):1732–7 / 6 Wernli KJ, DeMartini WB, Ichkawa L, et al. "Patterns of breast magnetic resonance imaging use in community practice" [published online November 18, 2013]. JAMA Intern Med / 8 Gubern-Merida, A., Kallenberg, M., Platel, B., Mann, R.M., Marti, R. and Karssemeijer, N. (2014) Volumetric Breast Density Estimation from Full-Field Digital Mammograms: A Validation Study. PLoS ONE; 9: e85952 / 9 Brentnall, A.R. et al. A Case-Control Study to Add Volumetric or Clinical Mammographic Density into the Tyrer-Cuzick Breast Cancer Risk Model. Journal of Breast Imaging (2019).