Volpara Analytics

Where AI meets image quality assurance, compliance, and program optimization

Volpara® Analytics™ is the first software to provide automated and objective assessment of exam quality on every mammogram. Smart dashboards, alerts, and reports optimize breast cancer screening operations, and the software makes it easier to provide evidence to the ACR and FDA that quality standards are being met.

Lunit

Volpara Analytics: Mammography Quality Assurance Software for Compliance and Training

Take control of image quality, staff performance, and compliance with AI-powered objective analytics designed for continuous improvement.

The first software that provides automated and objective assessment of exam quality on every mammogram.

Smart dashboards, alerts, and reports optimize breast cancer screening operations. Volpara® Analytics™ software makes it easier to provide evidence to the ACR and FDA that centers are meeting quality standards.

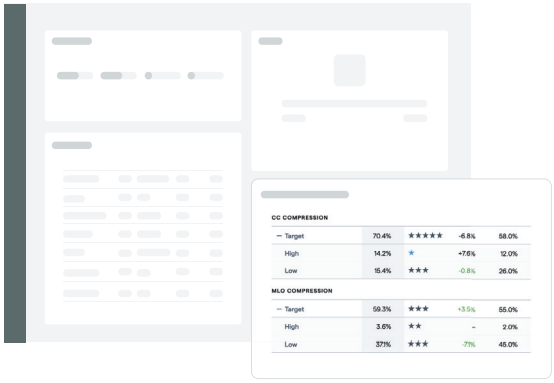
This vendor-neutral software is used by facilities around the world to help them provide high-quality care to the women in their communities.

Continuous quality improvement

Fair performance review

Your technologists work hard and want to feel that their performance is assessed fairly. Volpara Analytics provides objective feedback to inform performance reviews.

Technologists can log in and immediately see how to improve their skills and image quality so they can proactively focus on improving their performance over time. They can trust that their feedback is not based on a handful of cases. Every single image is evaluated. Lead technologists, rather than being restricted to biannual assessments, can easily review performance with each technologist at any time.



Volpara Health has qualified for the American College of Radiology® (ACR®) Learning Network Vendor Partner designation. Volpara Health partners with participants of the ACR ImPower Program Mammography Positioning Improvement Collaborative to use Volpara Analytics to identify opportunities to improve breast cancer detection through optimized mammography positioning.

Empowered technologist training

Using Volpara Analytics as a personalized coach, technologists have on-demand access to an extensive library of positioning videos and guides produced in collaboration with Mammography Educators and noted expert Louise Miller, R.T. (M)(ARRT), CRT(M), FSBI, FNCBC.

MAMMOGRAPHY EDUCATORS

85+ million

mammography images have been evaluated for positioning and compression by Volpara

5,200+

technologists use Volpara to monitor performance

2,000+

facilities have installed Volpara software, including top US cancer centers

A culture of quality with Analytics in Action

Designed exclusively for customers of Volpara Analytics software, the Analytics in Action™ program helps create a culture of learning and continuous quality improvement driven by objective quality data. The program offers on-site personalized training from renowned mammography positioning consultants, a toolkit of recognition resources needed to encourage and recognize your staff, and access to meaningful rewards from the online gifting platform to celebrate quality excellence. With this program, your team may experience a stronger connection between their individual performance and the facility's reputation and growth.

Analytics IN ACTION

> "Volpara Analytics contains the amazing capability to analyze patient positioning. We can now get objective measurements and feedback on the quality of positioning by our technologists. We can then personalize training based on their needs and partner them with other staff who excel in their area of opportunity."
>
> **Shakira Sarquis-Kolber**,
> Director of Women's Imaging, Christine E. Lynn Women's Health & Wellness Institute, Boca Raton Regional Hospital

Additional benefits

Volpara Analytics provides the secure,* actionable intelligence needed by your facility, large or small, to operate at peak performance:

Dynamic, interactive dashboards

Designed specifically for the major roles at your breast imaging facility–from a breast imaging manager studying physician referral patterns to a risk counselor identifying patients who may benefit from essential screening.

Vendor-neutral analytics

To monitor equipment utilization and exam time for resource planning.

Proactive dose monitoring

To help ensure that women get the appropriate dose calculation for their breast density–regardless of manufacturer.

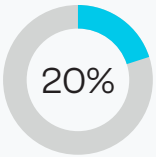
* Volpara Analytics maintains patient data security through Volpara's ISO 27001:2013 certification. In addition, the Volpara Breast Health Platform™ benefits from Microsoft® Azure's platform compliance.

Business success story: Mayfair Diagnostics

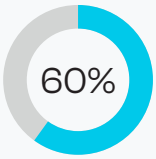
Mayfair Diagnostics is a busy, multi-modality imaging practice in Calgary, Alberta, Canada. With 44 technologists across 10 breast imaging locations, Mayfair takes 54,000 mammograms annually.

Here's a look at the improvements Mayfair experienced within the first six months of using Volpara Analytics.*

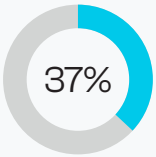
* Measures were calculated using PGMI prior to the May 2018 adoption of the new Volpara TruPGMI method of evaluating the clinical image quality of mammograms. Actual percentage improvements may vary with the new standard.



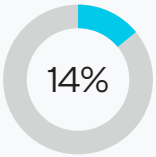
Increase in target compression



Reduction in time searching for cases



Reduction in inadequate images



Reduction in technical recalls

MAYFAIR® DIAGNOSTICS

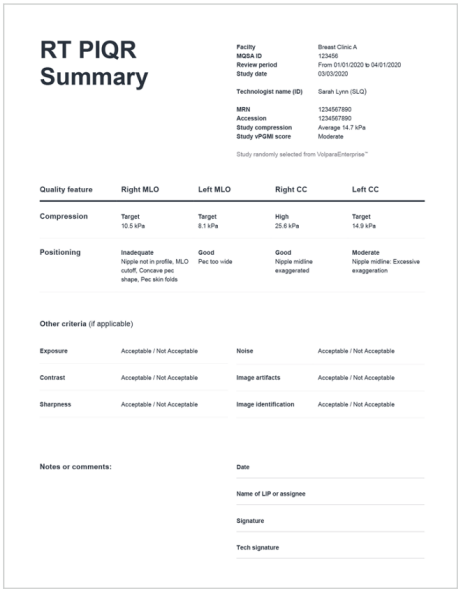
"There is something comforting about having the quality assessed on every mammogram I take. It gives me constant and very specific reminders about what I can do to improve and provides me with a rewarding feeling when I'm doing a good job. I can't imagine doing mammography without Volpara Analytics."

Katie Kaminski,
Mammography Coordinator, Mayfair Diagnostics

Streamline compliance and accreditation prep

FDA MQSA EQUIP

Use Volpara Analytics for easy FDA MQSA EQUIP compliance preparation. Rapidly find and fix image quality issues. Schedule EQUIP reports to generate with your objective Volpara quality data to show inspectors.



RT PIQR Summary

Facility: Breast Clinic A
MQSA ID: 123456
Review period: From 01/01/2020 to 04/01/2020
Study date: 03/03/2020
Technologist name (ID): Sarah Lynn (SLQ)
MRN: 1234567890
Accession: 1234567890
Study compression: Average 14.7 kPa
Study vPGMI score: Moderate
Study randomly selected from VolparaEnterprise™

Quality feature	Right MLO	Left MLO	Right CC	Left CC
Compression	Target 10.5 kPa	Target 8.1 kPa	High 25.6 kPa	Target 14.9 kPa
Positioning	Inadequate Nipple not in profile, MLO cutoff, Concave pec shape, Pec skin folds	Good Pec too wide	Good Nipple midline exaggerated	Moderate Nipple midline: Excessive exaggeration

Other criteria (if applicable)

Exposure	Acceptable / Not Acceptable	Noise	Acceptable / Not Acceptable
Contrast	Acceptable / Not Acceptable	Image artifacts	Acceptable / Not Acceptable
Sharpness	Acceptable / Not Acceptable	Image identification	Acceptable / Not Acceptable

Notes or comments:

Date
Name of LIP or assignee
Signature
Tech signature

Address the required inspection questions:

ONE

Identify corrective actions

Use comprehensive objective trend reporting to identify areas for staff improvement.

TWO

Periodic image quality review

Generate detailed reports to show inspectors.

THREE

Quality control oversight

Demonstrate lead interpreting physician oversight of QA/QC and corrective action processes.

ACR accreditation

Volpara Analytics simplifies your ACR accreditation efforts, reducing the time spent searching PACS for your technologists' best work. Lead technologists can simply set the date range and filter by machine, TruPGMI Perfect or Good positioning scores, and breast density category. Volpara Analytics then produces a short list of cases that's easy to review.

> "I can't see how a large and busy practice in breast imaging can meaningfully meet quality assurance without Volpara Analytics."
>
> **Robin Shermis, MD, MPH, FACR,**
> Medical Director, ProMedica Breast Care

ProMedica

Volpara® Science™

Our clinically validated algorithm uses x-ray physics and artificial intelligence to assess image quality and breast tissue composition.

400+

peer-reviewed articles and research abstracts that validate Volpara technology

TruPGMI®

Automatically and objectively assesses technologists' patient positioning and resulting image to help make sure that every mammogram is of diagnostic quality. It provides technologists with fair performance feedback.

TruRadDose®

Analyzes the radiation dose delivered to patients based on their breast density instead of the dose estimated by the equipment manufacturer.

TruPressure®

Computes the compression pressure applied to each patient's breasts. This helps technologists better understand the patient experience and improves the clinical effectiveness of the mammogram.

TruDensity®

Automatically assesses volumetric breast density on a continuous scale. Its precise, objective values help radiologists provide personalized screening and understand the sensitivity of each mammogram.

Breast health software

Volpara Analytics is only one part of Volpara's suite of products, which can easily be scaled as centers are added, volume increases, or patient care needs evolve. Additional integrated modules–including software for lung screening programs–can be quoted and configured at your request.

Analytics | Scorecard | Risk Pathways | Patient hub | Live

17.3+ million

women across 40 countries have had their breast composition assessed by Volpara Health

With the most scientifically validated technology platform in the breast health industry, Volpara Health is the preferred partner of leading clinical sites around the world. Every day, Volpara remains focused on its mission to help save families from cancer.

Interested in Analytics?

Contact your Lunit representative for a live demonstration, or visit **lunit.io.**

References: 1 Clinical outcomes in very early breast cancer (≤ 1cm): A national population based analysis. Mahvish Muzaffar, Abdul Rafeh Naqash, Nasreen A. Vohra, Darla K. Liles, and Jan H. Wong Journal of Clinical Oncology 2017 35:15_suppl, e12034-e12034. / 2 Holland, K., et al., Performance of breast cancer screening depends on mammographic compression, in Breast Imaging: 13th International Workshop, IWDM 2016, Malmö, Sweden, June 19–22, 2016, Proceedings, A. Tingberg, K. Lång, and P. Timberg, Editors. 2016, Springer International Publishing: Cham. p. 183–189. / 3 Whelehan, P., et al., The effect of mammography pain on repeat participation in breast cancer screening: a systematic review. Breast, 2013. 22(4): p. 389–94.

Lunit

Conquering Cancer through AI

Lunit Inc.
374, Gangnam-daero, Gangnam-gu
Seoul, South Korea 06241