

# ProFound

Powered by  iCAD

Creating a world where  
Cancer Can't Hide.

## ProFound AI<sup>®</sup> Breast Health Suite



Breast cancer has finally met its match.



# Quality healthcare, reimagined.

## Together, we can change more lives.

Backed by clinical evidence, proven outcomes, and thousands of users worldwide, our AI breast health solutions<sup>1,2</sup> help detect subtle, early suspicious lesions, and provide precise density insights. ProFound Breast Health Suite delivers the accuracy, multi-vendor compatibility, and workflow advantages radiologists need, empowering earlier cancer detection and transforming women's lives.



### Real World Clinical Results

**23%** relative increase in cancer detection rate without increasing the rate of recalls.<sup>3</sup>

**8M+** mammograms read each year.

### ProFound AI Breast Health Suite



Improved Accuracy  
**Breast Cancer Detection**



Standardized  
**Density Assessment**

## A partner you can count on.



**20+ Years of Experience in Breast AI**  
Headquarters: Nashua, NH, USA



**Globally Diverse Algorithm<sup>4</sup>**  
100+ contributing facilities



**Leader in Breast AI**  
First DBT AI FDA Cleared in December 2018



# Experience the ProFound AI difference.

## Breast Cancer Detection

Focus on the lesions that **matter most**.

Concurrent-read detection solution for 2D and 3D mammography that rapidly detects malignant soft tissue densities and calcifications.

Version 4: FDA Cleared.

Version 3: FDA Cleared. CE Marked. Health Canada Licensed.

## **NEW** ProFound Detection v4.0

**Improved Accuracy. Improved Precision.**

**22%** improvement in finding hard-to-find cancers.<sup>5</sup>

**18%** improvement in cases with no marks.<sup>5</sup>

**Prior** mammogram can be incorporated into AI algorithm.

**Ipsilateral Correlation** of a suspected lesion improves results.

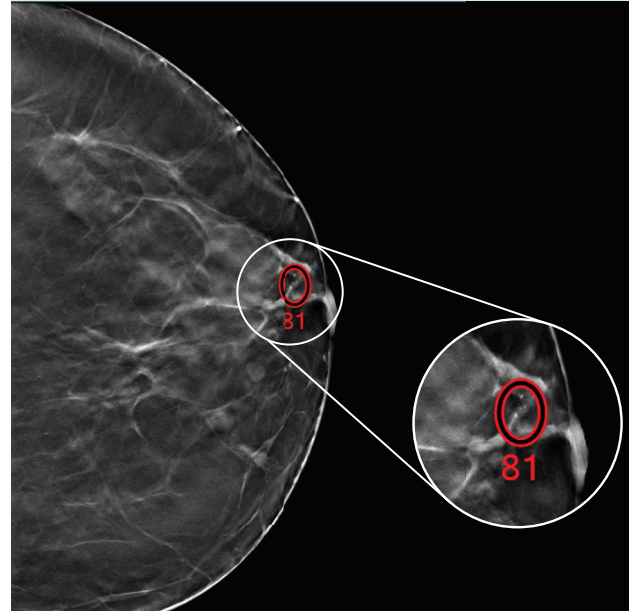
## Reader Study

Results on 3D comparing readers with AI and without AI<sup>6</sup>

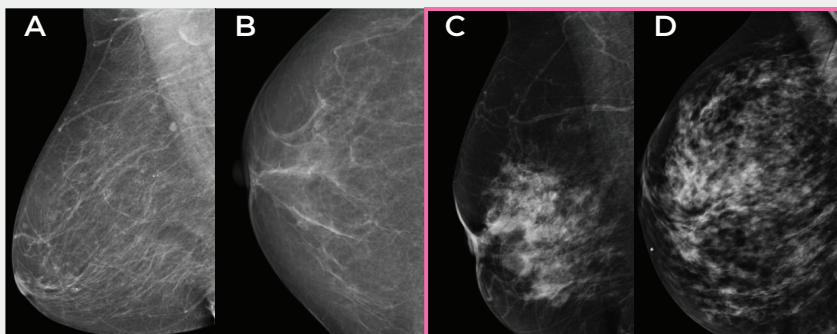
**8.4% Improvement** in sensitivity.

**7.2% Reduction** in recall rate.

**52% Reduction** in reading time.



## Density Assessment



**High Breast Density Rating**

**Consider Supplemental Screening<sup>9</sup>** (e.g. ABUS / MRI)

**Standardization matters.**

Provide an objective and consistent BI-RADS breast density assessment, seamlessly integrated into existing workflows.

Unique two-part algorithm assesses the **dispersion** and localized **concentration** of breast density.

FDA Cleared. CE Marked. Health Canada Licensed.

## Meet the ProFound Scorecard.

Automated, integrated, and easy to read. The ProFound Scorecard provides an actionable mammographic case summary that provides the information needed to personalize patient care.

### Critical Insights at a Glance.

- Color-coded Overall Case Score
- BI-RADS Density Category
- Worklist Prioritization by Case Scores\*

Patient Name:  
Patient ID:  
Patient DOB/Age:  
Accession #:  
Study Date:

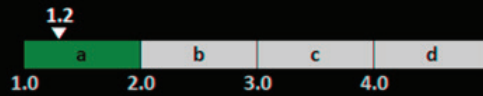
ProFound Breast Health Suite  
ProFound AI® Scorecard

#### ProFound AI Detection Case Score



# 90

#### PowerLook Density Assessment



# a

\*Worklist and color based on PACS viewer and output requirements.

Flexible turnkey  
deployment.



ProFound  
Cloud



ProFound  
On-Premises

Visit [iCADmed.com](https://www.icadmed.com) to request a demo



1. ProFound Detection V4 is FDA Cleared. ProFound AI V3 is FDA Cleared, CE Marked, and Health Canada Licensed. 2. PowerLook Density Assessment is FDA Cleared, CE Marked, and Health Canada Licensed. 3. Schilling, K. Presented Research at ECR 2023; Vienna, Austria. 4. Data collected from nine countries worldwide. Internal data on file proprietary information of iCAD, Inc. 5. Compared to prior version 3.0. ProFound Detection not available in all geographies. 6. Conant EF, et al. Radiology: Artificial Intelligence 2019

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