

# ProFound AI® Risk

## Revolutionizing Personalized Screening

### Benefits Include:

Easy-to-implement, using only information readily available in a 2D or 3D mammogram

Offers flexibility to provide a one, two or three-year risk estimation

Greater accuracy compared to previous versions and traditionally used risk models<sup>2,3</sup>

Factors in clinically relevant global screening guidelines and more than 15 country incidence and mortality reference tables

Available for 2D and 3D mammography, ProFound AI® Risk is the world's first clinical decision support tool that provides an accurate short-term, breast cancer risk estimation that is truly personalized for each woman, based only on a 2D or 3D mammogram.<sup>1,2</sup>

The easy-to-implement solution provides superior insights<sup>1,2</sup> that empower clinicians to tailor a woman's breast healthcare follow-up and potentially identify cancers earlier.

ProFound AI Risk uniquely combines a range of risk factors, offering superior performance in assessing short-term risk compared to traditional breast cancer risk models.<sup>1,2</sup>

#### Superior Accuracy



An AUC<sup>3</sup> of 0.80 offers greater accuracy compared to traditional risk assessment models.<sup>1,2</sup>

#### Simplified Workflow



Efficient and easy to implement solution provides a rapid short-term risk estimate.

#### Personalized Care



Latest version offers enhanced features to further individualize patient care.

### An Accurate and Standardized Risk Evaluation

Some women have a higher risk of developing breast cancer. Family history is traditionally considered to be one of the main factors to assess women's risk, however about 85% of breast cancers occur in women who have no family history of breast cancer.<sup>4</sup>



Age



Breast Density



Subtle Mammographic Features

The algorithm also factors in the geographic specificities of the population and uses incidence and mortality tables from more than 15 countries to align with the country's general population. With ProFound AI Risk, women's breast healthcare has never been more personalized.

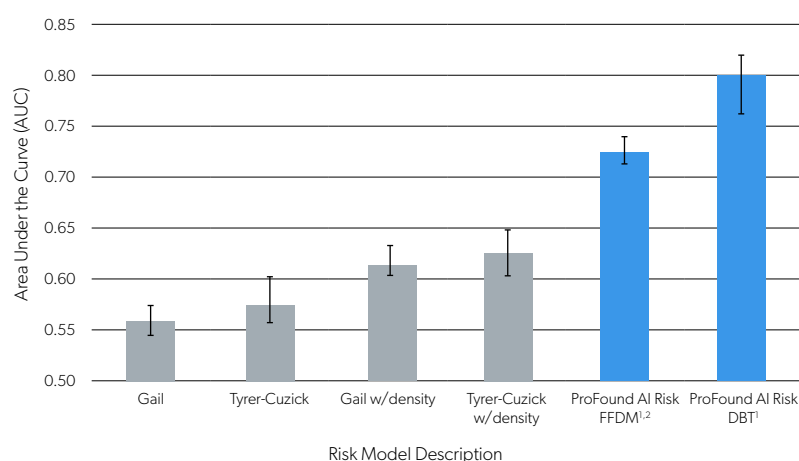
## The Risk Score

ProFound AI Risk offers proven results that rapidly provide physicians and patients with an accurate, short-term absolute breast cancer risk score and risk category (low, general, moderate and high).<sup>1,2</sup> This leading-edge solution enables clinicians to easily identify patients at higher risk.

## Unrivalled Accuracy and Clinical Performance

ProFound AI Risk offers the highest AUC available (AUC = 0.80) for providing a one-year future risk estimation based only on a 2D or 3D mammogram.<sup>1</sup> This advanced solution provides superior insights,<sup>1,2</sup> that empower clinicians to tailor a woman's breast healthcare follow-up and potentially identify cancers earlier, when they may be more easily treated.

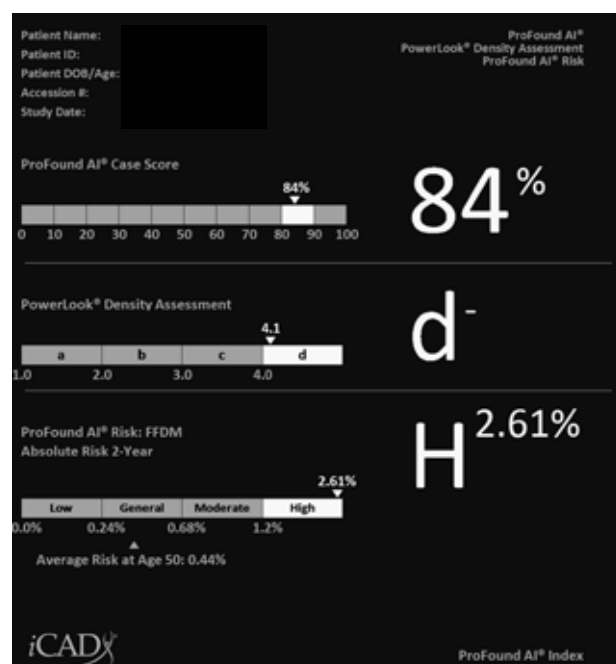
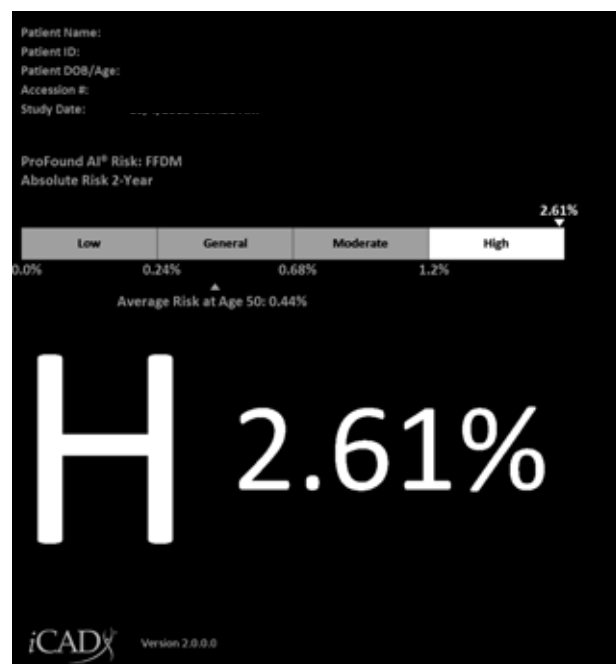
Risk Model Performance<sup>1,2</sup>



Relative AUC performance for traditional risk models compared to ProFound AI Risk. Uncertainties are given as the upper and lower 95% confidence intervals.

## One Comprehensive Breast Cancer Detection and Treatment Partner

iCAD's product portfolio offers innovative solutions to support breast cancer detection, measure breast density, assess personalized risk, and provide targeted radiation therapy. Our technologies offer clinically proven benefits to clinicians and patients, and are designed to optimize efficiency, enhance the patient experience, and improve outcomes.



## References:

1. iCAD data on file. ProFound AI Risk for DBT 1-year AUC of 0.80 (95% CI: 0.76, 0.83); ProFound AI Risk for 2D Mammography 2-year AUC of 0.73 (95% CI: 0.71, 0.74).
2. Eriksson M, Czene K, Strand F, et al. Identification of Women at High Risk of Breast Cancer Who Need Supplemental Screening. *Radiology*. 2020, 297(2): 327-333. Epub Sep 8.
3. Area under the receiver operating characteristic curve.
4. Available only in the United States.