

ProFound AI® Risk

Revolutionizing Personalized Screening



Risk Assessment Reimagined

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.^{1,2}

The easy-to-implement solution provides superior insights^{1,2} 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.^{1,2}



Superior Accuracy
Up to 2.4 times more accurate than traditional risk models.^{1,2}



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.³

ProFound AI Risk also includes multiple risk factors found in a screening mammogram:



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.

Benefits:

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^{1,2}

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



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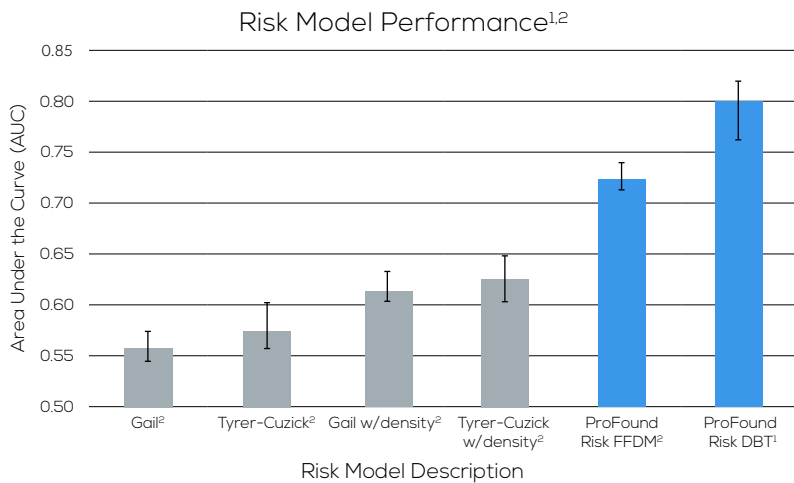
DMM280 Rev 4

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).^{1,2} This leading-edge solution enables clinicians to easily identify patients at higher risk.

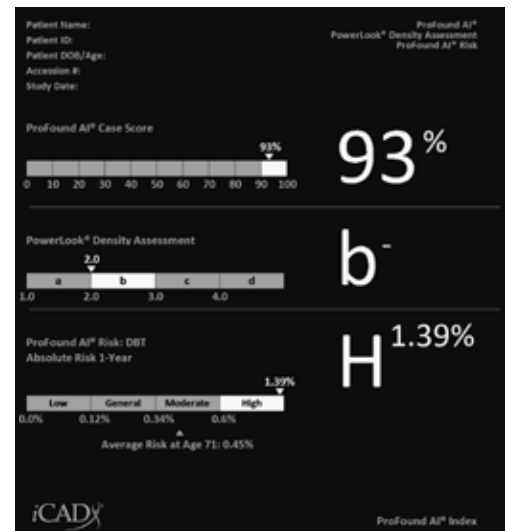
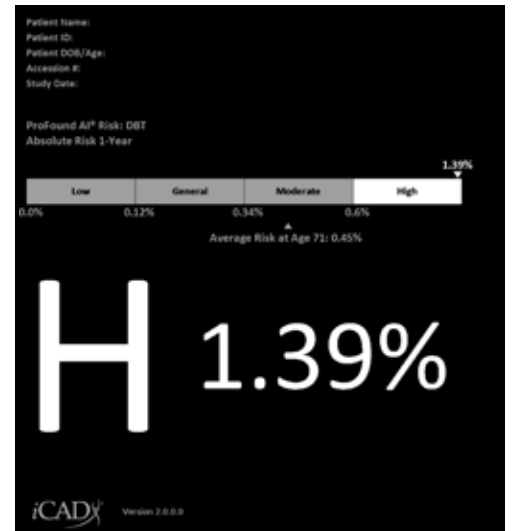
Unrivaled Accuracy and Clinical Performance

ProFound AI offers the highest Area Under the Curve (AUC) available for providing a one-year risk estimation based only on a 2D or 3D mammogram.^{1,2} This advanced solution provides superior insights, that empower clinicians to tailor a woman's breast screening regimen and potentially identify cancers earlier, when they may be more easily treated.^{1,2}



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. Eriksson, M et al. A risk model for digital breast tomosynthesis to predict breast cancer and guide clinical care. Science Translational Medicine. 14 (644). 2022 May 11. Accessed via DOI: 10.1126/scitranslmed.abn3971.
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. Breastcancer.org. Accessed via https://www.breastcancer.org/symptoms/understand_bc/statistics.

