

Key Features of Patient-guided Risk Assessment Tools

This resource was developed by the American Cancer Society National Breast Cancer Roundtable (ACS NBCRT) to help providers understand the tools their patients may be using for breast cancer risk assessment. The tools listed in the table were developed primarily to support patient self-assessment and awareness, rather than delivering a precise, clinician-focused risk calculation. This table outlines the key features of each tool.

For additional resources - including clinically validated breast cancer and *BRCA1/BRCA2* mutation assessment tools designed for provider use - please refer to the digital toolkit: <https://nbcrt.org/risk-assessment-toolkit/>.

Tool/Model	Patient Features								Risk Information			Family History		Target Population					Other
	Lifestyle features	Hormonal therapies	Reproductive features	Genetic information	Ethnicity and race	Breast density	Non-breast or ovarian cancer history	Benign breast biopsy	Informs about the risk of developing breast cancer	Informs about the risk of developing ovarian cancer	Provides a numerical breast cancer risk	Includes 2 nd -degree relatives	Includes paternal family history of breast cancer	Includes those <18 years old	Includes those >79 years old	Includes women with a history of breast cancer, DCIS, or LCIS	Includes men or male sex assigned at birth	For a strong family history of breast and ovarian cancer	Clinically validated

Check the “must have” features for your practice:

Assess Your Risk Tool	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Yes	No	Yes	Yes	No
Breast Health Assessment (Cedars-Sinai)	Yes	Yes	Yes	Yes	Yes	Yes	Yes ^a	No	Yes	No	No	No	No	Yes	Yes	No	No	Yes	No
iCARE-Lit	Yes	Yes	Yes	No	Yes ^b	No	No	Yes ^c	Yes	No	Yes	No	Yes	Yes	No	Yes ^d	No	No	Yes ^e

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Check the “must have” features for your practice:

Halls Detailed Breast Risk Calculator	Yes	Yes	Yes	No	Yes ^f	Yes	No	Yes	Yes	No	Yes	No	No	No	No	Yes	No	No	No ^g
Your Disease Risk (Rosner-Colditz Model)	Yes	Yes	No	Yes	No ^h	Yes	Yes ⁱ	Yes ^j	Yes	No	No	No	No	No ^k	Yes	No	No	No	Yes
My Family Health History Tool^l (Susan G. Komen)	No	No	No	No	Yes	No	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Princeton Radiology Breast Cancer Risk Calculator (Claus Model)^m	No	No	No	No	No	No	No	No	Yes	No	Yes	Yes	Yes	No	No	Yes	No	Yes	No ⁿ

Footnotes:

^a Personal history of uterine cancer

^b Only validated for non-Hispanic White women

^c Although it does not specifically ask about biopsies, it includes benign breast diagnoses

^d More accurate for women <50

^e Although it has been clinically validated, further validation is needed before using this model in clinical care

<https://academic.oup.com/jnci/article/112/3/278/5511406>

^f This tool only supports Black and White groups

^g Although this tool is based on the validated Gail model, the tool has complementary questions and has not been validated

^h This tool only asks about Jewish origin

ⁱ Not suitable for women with previous cancer history

^j Although it does not specifically ask about biopsies, it includes benign breast diagnoses

^k Only for women ≥40

^l The features refer to the Family Tree tool only, which was designed to share health family history, including cancer history, with the respondent's family and health care provider

^m This tool only considers the maternal and paternal family history of breast and ovarian cancer

ⁿ The NCCN Breast Cancer Risk Reduction Guidelines flagged the Claus Model as obsolete (<https://www.nccn.org>)

Key:

DCIS – ductal carcinoma in situ

LCIS – lobular carcinoma in situ

NS – not specified.