

BREAST CANCER RISK ESTIMATES FOR FAMILY MEMBERS AT RISK*

A. High-Risk Families

GENETIC ALTERATION	SEX	BREAST CANCER RISK†	OTHER CONSIDERATIONS
BRCA 1	F	87%	Increased risk for bilateral breast cancer and ovarian cancer; slightly increased risk for colon cancer
BRCA 1	M	Negligible	Slightly increased risk for colon and prostate cancer
BRCA 2	F	87%	Moderately increased risk for ovarian cancer
BRCA 2	M	6% (by age 70 years)	Risk for other cancers has not been evaluated

B. Moderate-Risk Families‡

AFFECTED RELATIVE	AGE OF AFFECTED RELATIVE (YEARS)	CUMULATIVE BREAST CANCER RISK BY AGE 80 YEARS (%)‡
One first-degree	< 50	13-21
	≥ 50	9-11
One second-degree	< 50	10-14
	≥ 50	8-9
Two first-degree	Both < 50	35-48
	Both ≥ 50	11-24
Two second-degree	Both < 50	21-26
	Both ≥ 50	9-16

*Persons shown to be mutation non-carriers have a cancer risk equivalent to that of the general population.

†Expressed as cumulative lifetime risk to age 80 years, except where noted.

‡Risk estimates are derived by including age extremes from the risk tables calculated by Claus. For example, for affected relatives younger than 50 years, the lower limit is the calculated risk for a relative in the 20- to 29- year age group. Thus, these figures represent the range of risk based on age and are not confidence intervals.

Reference: Adapted from MKSAP Hematology 2nd Edition.

ADJUVANT THERAPY CALCULATORS

Adjuvant Online - www.adjuvantonline.com

Mayo Clinic Calculator - www.mayoclinic.com/calcs