

Electronic Screening Tool for Hereditary Breast and Ovarian Cancer syndrome (HBOC)

Personal and Family Cancer History Questionnaire Logic:

1 Have you or a family member been diagnosed with Breast Cancer?

If yes, Cascade to:

a. Where they ≤ 45

Self (3) Mother (3) Sister (3) Daughter (3)

Maternal:

Grandmother (2) Niece (2) Aunt (2) Cousin (1)

Paternal:

Grandmother (2) Niece (2) Aunt (2) Cousin (1)

b. Where they > 50 yes

Self (1) Mother (1) Sibling (1) Child (1)

Maternal:

Grandmother (1) Niece (1) Aunt (1) Cousin (1)

Paternal:

Grandmother (1) Niece (1) Aunt (1) Cousin (1)

2 Have you or a family member been diagnosed with MALE Breast Cancer? (3)

Self (3) Brother (3) Son (3) Nephew (3) Father (3) Grandfather (3)

3 Have you or a family member been diagnosed with Ovarian Cancer?

If yes, Cascade to:

Self (3) Mother (3) Sister (3) Daughter (3)

Maternal:

Grandmother (2) Niece (2) Aunt (2) Cousin (1)

Paternal:

Grandmother (2) Niece (2) Aunt (2) Cousin (1)

3 Have you or a family member been diagnosed with Metastatic Prostate Cancer?

If yes, Cascade to:

Self (3) Father (3) Brother (3) Son (3)

Maternal:

Grandfather (2) Nephew (2) Uncle (2) Cousin (1)

Paternal:

Grandfather (2) Nephew (2) Uncle (2) Cousin (1)

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- 4 Have you or a family member been diagnosed with Pancreatic Cancer?

If yes, Cascade to:

Self (3) Mother/Father (3) Sibling (3) Child (3)

Maternal:

Grandparent (2) Niece/Nephew (2) Aunt/Uncle (2) Cousin (1)

Paternal:

Grandparent (2) Niece/Nephew (2) Aunt/Uncle (2) Cousin (1)

- 5 Are you of Ashkenazi Jewish Ancestry?

If yes (1)

NCCN Criteria Weighting algorithm

Score of 3 or greater meets NCCN criteria for a genetic counseling referral

Maternal family history list

Weight	Question
3	PHx breast cancer ≤ 45
3	PHx ovarian cancer
3	PHx male breast cancer
3	PHx metastatic prostate cancer
3	PHx pancreatic cancer
3	PHx triple negative breast cancer
3	Close relative breast cancer ≤ 45
3	Close relative ovarian cancer
3	Close relative male breast cancer
3	Close relative metastatic prostate cancer
3	Close relative pancreatic cancer
3	Family history of a known cancer gene mutation (list genes that apply)
2	PHx breast cancer 46-50
2	Close maternal relative breast cancer age 46-50
2	Ashkenazi Jewish ancestry
1	PHx breast cancer > 50
1	PHx breast cancer age undefined
1	Close maternal relative with breast cancer age undefined
1	Close maternal relative with breast cancer > 50
1	Close maternal relative with prostate cancer
1	Third degree maternal relative pancreatic cancer
1	Third degree maternal relative ovarian cancer
1	Third degree maternal relative prostate cancer
1	Third degree maternal relative breast cancer

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***Close relative** is defined as a 1st (children, siblings, parents) or 2nd (nieces/nephews, aunts/uncles, grandparents) degree relative

*Prostate Cancer is always defined as Gleason score 7 or higher

Score of 3 or greater meets NCCN criteria for a genetic counseling referral

Paternal family history list

Weight	Question
3	PHx breast cancer ≤ 45
3	PHx ovarian cancer
3	PHx male breast cancer
3	PHx metastatic prostate cancer
3	PHx pancreatic cancer
3	PHx triple negative breast cancer
3	Close paternal relative breast cancer ≤ 45
3	Close paternal relative ovarian cancer
3	Close paternal relative male breast cancer
3	Close paternal relative metastatic prostate cancer
3	Close paternal relative pancreatic cancer
3	Family history of a known cancer gene mutation (list genes that apply)
2	PHx breast cancer 46-50
2	Close paternal relative breast cancer age 46-50
2	Ashkenazi Jewish ancestry
1	PHx breast cancer >50
1	PHx breast cancer age undefined
1	Close paternal relative with breast cancer age undefined
1	Close paternal relative with breast cancer >50
1	Close paternal relative with prostate cancer
1	Third degree paternal relative pancreatic cancer
1	Third degree paternal relative ovarian cancer
1	Third degree paternal relative prostate cancer
1	Third degree paternal relative breast cancer

***Close relative** is defined as a 1st (children, siblings, parents) or 2nd (nieces/nephews, aunts/uncles, grandparents) degree relative