



Hereditary Breast and Ovarian Cancer

Breast cancer:

- *includes* ductal carcinoma in situ (DCIS) - Age and grade dependent, see website for additional details
- *excludes* lobular carcinoma in situ (LCIS)

Ovarian cancer refers to invasive non-mucinous epithelial ovarian cancer:

- *includes* cancer of the fallopian tubes or primary peritoneal cancer
- *excludes* borderline/LMP ovarian tumours

Assessment: Complete and assess family cancer history before referring patients to the Hereditary Cancer Program. Contact the Hereditary Cancer Program at 604-877-6000 local 2325 if in doubt regarding referral.

Referral to Hereditary Cancer Program is indicated if at least one of the following criteria is met:

Confirmed BRCA1 or BRCA2 gene mutation in a close family member	<ul style="list-style-type: none"> • If possible, provide family member's test report with referral
Your patient's personal history	<ul style="list-style-type: none"> • Breast cancer \leq age 35, <i>or</i> • 2 primary breast cancers, with at least one \leq age 50, <i>or</i> • Ovarian cancer at any age
Your patient's family history (this may include your patient's diagnosis)	<ul style="list-style-type: none"> • 1 breast cancer and 1 ovarian cancer in close relatives, <i>or</i> • 1 male breast cancer and 1 other breast or ovarian cancer in close relatives, <i>or</i> • 2 close relatives with breast cancer, both \leq age 50, <i>or</i> • 2 close relatives with ovarian cancer, <i>or</i> • 3 breast cancers in close relatives with 1 \leq age 50
Ashkenazi Jewish ancestry	<ul style="list-style-type: none"> • Personal or family history of breast or ovarian cancer

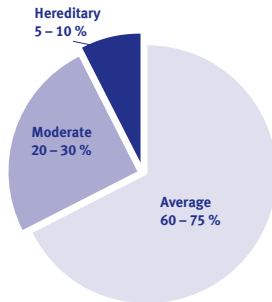
Close Relatives Include: children, brothers, sisters, parents, aunts, uncles, grandparents, and grandchildren *from the same side of the family*. History of cancer in cousins and more distant relatives from the same side of the family may also be relevant.

Print referral form from BC Cancer Agency website www.bccancer.bc.ca/hereditarycancer or call 604-877-6000 local 2198

See other side for information regarding additional inherited cancer syndromes



Cancer risk assessment



Average: 60-75%

- Most common
- Common cancers at usual ages
- Little or no family history of cancer
- Due to common risk factors like age, diet, environment

Moderate: 20-30%

- Cluster of cancers in family
- May be due to chance
- May be due to multiple factors shared in a family, e.g. genes, diet, environment

Hereditary: 5-10%

- Least common
- Strong family history of cancer
- Specific patterns of cancer
- Due to a single gene mutation passed down in family

Genetic testing is also available for the following syndromes (see website for referral criteria)

- Lynch syndrome
- Familial adenomatous polyposis (FAP)
- Other polyposis syndromes (eg. MYH – associated polyposis, juvenile polyposis, etc)
- Hereditary diffuse gastric cancer
- Multiple endocrine neoplasias (MEN1, MEN2)
- von Hippel Lindau syndrome
- Hereditary paraganglioma/pheochromocytoma
- Li Fraumeni syndrome

Referral to the Hereditary Cancer Program may also be indicated if:

- A close relative has a confirmed gene mutation associated with another hereditary cancer syndrome (include report)
- Family history is suggestive of a rare hereditary cancer syndrome

Additional information:

www.bccancer.bc.ca/hereditarycancer or call 604-877-6000 local 2198

See other side for information regarding Hereditary Breast and Ovarian Cancer