



Policy Number: MP.101.MPC  
Last Review Date: 08/26/2021  
Effective Date: 10/01/2021

## MP.101.MPC – Prophylactic Mastectomy

Maryland Physicians Care considers **Prophylactic Mastectomy** medically necessary for members at high risk of breast cancer when the member has *at least one* of the following criteria:

1. Personal history of breast cancer and one or more of the following:
  - a. Diagnosed age  $\leq$  45 years
  - b. Two breast cancer primaries, when first breast cancer was diagnosed age  $\leq$  50 years,
  - c. Diagnosed age  $\leq$  50 years with one or more close blood relative with breast cancer at any age or with a limited family history,
  - d. Diagnosed age  $\leq$  60 years with a triple negative breast cancer,
  - e. Diagnosed at any age with one or more close blood relative breast cancer diagnosed  $\leq$  50 years,
  - f. Diagnosed at any age with two or more close blood relatives with breast cancer diagnosed any age,
  - g. Diagnosed at any age with one or more close blood relative with epithelial ovarian cancer,
  - h. Diagnosed at any age with two or more close blood relatives with pancreatic cancer or aggressive prostate cancer (Gleason score  $\geq$  7) at any age,
  - i. Close male blood relative with breast cancer,
  - j. Personal history of male breast cancer,
  - k. For an individual of an ethnicity associated with a higher mutation frequency (eg Ashkenazi Jewish) no additional family history may be required.
2. Personal history of epithelial ovarian, fallopian tube, or primary peritoneal cancer,
3. Personal history of pancreatic cancer or aggressive prostate cancer (Gleason score  $\geq$  7) at any age with  $\geq$  2 close blood relatives with breast and/or ovarian and/or pancreatic or aggressive prostate cancer (Gleason score  $\geq$  7) at any age.
4. Two or more first-degree relatives with breast cancer.
5. One first-degree relative and two or more second- or third-degree relatives with breast cancer.
6. One first-degree relative with breast cancer before the age of 45 years and another relative with breast cancer.
7. One first-degree relative with breast cancer and one or more relatives with ovarian cancer.
8. Two second- or third-degree relatives with breast cancer and one or more with ovarian cancer.
9. One second- or third-degree relative with breast cancer and two or more with ovarian cancer.



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10. Three or more second- or third-degree relatives with breast cancer.
11. One first-degree relative with bilateral breast cancer.
12. The presence of a BRCA1 or BRCA2 mutation. (Refer to PA-055 Molecular Susceptibility Testing for Breast Cancer and Ovarian Cancer policy).
13. The presence of a TP53 or PTEN mutation.
14. History of prior thoracic radiation therapy (such as for Hodgkin's disease) <30 years of age.
15. Extensive mammographic abnormalities (e.g., calcifications) exist such that adequate biopsy is impossible and strong concern about breast cancer risk.
16. Additional criteria for CPM includes **at least one** of the following:
  - a. Diagnosis of invasive ductal or lobular carcinoma.
  - b. Ductal Carcinoma in situ (DCIS) of intermediate or high grade or LCIS with features of pleomorphic lobular carcinoma.

Blood or tissue samples from other non covered family members occasionally are required to provide the medical information necessary for the proper medical care of a member. Such testing for molecular-based testing for BRCA and other specific heritable disorders in non-members is considered medically necessary when **all** of the following conditions are met:

- The information is needed to adequately assess risk in the member
- The information will be used in the immediate care plan of the member and
- The non covered family member's benefit plan (if any) will not cover the test and the denial is based on specific plan exclusion

### Limitations

1. Genetic testing of a non-covered family member of a covered member for the sole purpose of obtaining non-related genetic information is not covered
2. Prophylactic mastectomy:
  - Subcutaneous Prophylactic Mastectomy is not recommended for coverage.
  - A board certified or board eligible surgeon with expertise in breast cancer must recommend the Prophylactic Mastectomy.
  - When the indication for Prophylactic Mastectomy is based on pathology, a board certified or board eligible Pathologist must validate the report.

### See Also:

PA-055 Molecular Susceptibility Testing for Breast and Ovarian Cancer

### Background

BreastCancer.org defines prophylactic mastectomy as a surgery that removes one or both breasts to reduce the risk of developing breast cancer. According to the National Cancer Institute, prophylactic mastectomy in high-risk women may be able to reduce the risk of developing breast cancer by 90%.

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High-risk individuals may include:

- Family history of breast cancer, especially before age 50
- Tested positive for BRCA1, BRCA2, or PALB2 gene mutations
- Diagnosis of lobular carcinoma in situ (LCIS)
- Radiation therapy to the chest prior to age 30
- Widely spread breast microcalcifications and/or dense breasts

When prophylactic mastectomy is being considered, the National Comprehensive Cancer Network (NCCN) Guidelines note that the small benefits must be balanced with the risk of recurrent disease from the known breast cancer, the psychological and social issues associated with bilateral mastectomy, and the overall risks of contralateral mastectomy.

### Codes:

CPT Codes / HCPCS Codes / ICD-10 Codes	
Code	Description
CPT Codes	
19303	Mastectomy, simple, complete

### References

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3. Hayes Medical Technology Directory. Prophylactic Oophorectomy for the Prevention of Ovarian Cancer. Annual Review November 9, 2017.
4. Hayes Medical Technology Directory. Risk Reducing (Prophylactic) Mastectomy. Annual review November 13, 2017.
5. Med News Today: Updated NCCN Guidelines For Breast Cancer Discourages Prophylactic Mastectomy In Women Other Than Those At High Risk. Dated: 10/29/2009. <https://www.nccn.org/about/news/newsinfo.aspx?NewsID=226>
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Field Code Changed

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