

# Genetic Health Service NZ

## Hereditary Breast, Ovarian, Pancreatic, Prostate Cancer Testing Guidelines

Please note these are NOT referral guidelines and are updated annually. Please contact us to discuss individual patients.

### Breast Cancer - Eligible based on tumour type

Individuals affected with invasive breast cancer and:

- Diagnosed  $\leq 40$  years OR
- Triple negative \*\* breast cancer diagnosed  $\leq 50$  years OR
- Triple negative \*\* breast cancer diagnosed at any age and FDR/SDR with breast or ovarian cancer

### Ovarian Cancer - Eligible based on tumour type:

Individuals with high grade non-mucinous epithelial ovarian, or primary peritoneal cancer at any age <sup>^</sup>

### Pancreatic cancer - Eligible based on tumour type

Individuals affected with pancreatic ductal adenocarcinoma or cholangiocarcinoma and:

- Diagnosed  $\leq 50$  years OR
- Diagnosed  $\leq 60$  years plus one FDR/SDR with confirmed pancreatic cancer
- Diagnosed  $\leq 60$  years with personal history of melanoma of HBOC related cancer which does not reach 15 using Manchester score
- Any age and dMMR or MSI-High\*

### Breast, Ovarian, Pancreatic, Prostate Cancer - Eligible based on personal and/or family history

- a. Individuals with breast, ovarian, prostate, pancreatic cancer (any age) and a combined BRCA1/2 pathogenic variant probability of  $\geq 10\%$  using the Manchester score (score  $\geq 15$ )
- b. Individuals with breast, ovarian cancer who are from a population where a common founder pathogenic variant exists
- c. Unaffected individuals with an affected, untested first degree relative with a combined BRCA1/2 pathogenic variant probability of  $\geq 20\%$  using the Manchester score (score  $\geq 17$ )

### Prostate Cancer - Eligible based on tumour type / age

- Castrate-resistant prostate cancer diagnosed  $\leq 50$  years, with measurable metastatic disease, regardless of other personal or family history factors
- Prostate cancer under 56y AND Swedish/Nordic ancestry
- Any age and dMMR or MSI-High\*

<sup>^</sup>Non-Genetics clinicians refer to GHSNZ Hereditary Genetic Testing Guideline Ovarian cancer (mainstreaming)

\* suggestive of Lynch syndrome

\*\*Includes 0% ER and 1-10% "Low ER Positive"

FDR (first degree relative) SDR (second degree relative)