

Supplementary table - Constitutional genetic testing eligibility criteria for those without a prostate cancer diagnosis, at high risk of developing prostate cancer – US vs UK	
<p><u>In the US -The National Comprehensive Cancer Network is used:</u></p>	<p><u>In the UK – Manchester Score is used (1)</u></p> <p>The Manchester score calculates the probability of the proband being a <i>BRCA1/2</i> variant carrier based on familial and proband cancer diagnoses (must be on same family line maternal or paternal). A score >20 allows eligibility for genetic testing for PrCa risk on the NHS.</p>
<ul style="list-style-type: none"> • PwPs who have received a diagnosis of breast or exocrine pancreatic cancer 	<ul style="list-style-type: none"> • Female Breast Ca <30 yrs = 11 points • Female Breast Ca 30-39 yrs = 8 points • Female Breast Ca 40-49 yrs = 6 points • Female Breast Ca 50-59 yrs = 4 points • Female Breast Ca >60yrs = 2 points • Ovarian Cancer < 59 yrs = 13 points • Ovarian Cancer >60 yrs = 10 points • Male Breast Ca <59 yrs = 13 points • Male Breast Ca > 60 yrs = 10 points • Prostate Ca < 59 yrs = 2 points • Prostate Ca > 60 yrs = 1 point • Pancreatic Ca = 1 point • If the proband themselves has had cancer, points can be awarded and deducted based on phenotypic features of the cancer such as HER2-positive, ER-positive/negative, triple negative and Lobular in Breast, or mucinous, germ cell, high grade serous at <60yrs, borderline in Ovarian cancer. • Adopted individuals with no knowledge of biological family history are awarded 4 points.
<ul style="list-style-type: none"> • Ashkenazi Jewish Ancestry 	
<ul style="list-style-type: none"> • A probability >5% of carrying <i>BRCA2</i> pathogenic variant based on a probability model 	
<ul style="list-style-type: none"> • A first or second-degree relative with: breast cancer aged 45 or below, breast cancer aged 46-50 with a second relative with breast cancer at any age, breast cancer aged 46-50 with another close relative diagnosed with prostate, ovarian or pancreatic cancer. 	

1. McVeigh T. Manchester (Evans) score 2022 13/10/2023. Available from: <https://www.genomicseducation.hee.nhs.uk/genotes/knowledge-hub/manchester-evans-score/>.