

Supplementary table 1: Pathology adjusted Manchester score criteria

Cancer and age at diagnosis -Score each cancer in a direct lineage in the family add BRCA1 & BRCA2 for combined score	<i>BRCA1</i>	<i>BRCA2</i>
FBC <30	6	5
FBC 30-39	4	4
FBC 40-49	3	3
FBC 50-59	2	2
FBC >59	1	1
MBC <60	5	8
MBC >60	5	5
Ovary <60	8	5
Ovary >60	5	5
Pancreas	0	1
Prostate <60	0	2
Prostate >60	0	1

Breast cancer	BRCA1 adjustment	BRCA2 adjustment
HER2 positive	-6 +/- grade ER	0
Lobular	-2 +/- ER status	0
DCIS only	-2 +/- ER status	0
LCIS only	-4 no other adjustment	0
Grade 1 IDC	-2 +/- ER status	0
Grade 2 IDC	0 +/- ER status	0
Grade 3 IDC	+2 +/- ER status	0
ER positive	-1 +/- grade	0
ER negative	+1 +/- grade	0
Triple negative	+4 +/- grade ie grade 3 TNT= +6	0
Ovarian cancer		
High grade serous <60	+2	0
Epithelial (endometrioid, serous, clear cell) granulosa cell	none	none

Mucinous, borderline or germ cell tumours (except granulosa cell)	no score	no score
Adopted		
no known status in birth family	+2	+2

Pathology adjustment

FBC = Female Breast Cancer

MBC = Male Breast Cancer

Pancreas any gender