

**(a) Consultand** Consultand

Enter details of the proband...

First name/ID:

**Personal details**

Sex and status:  Male  Female  Alive  Dead  Ashkenazi origin

Age or Age at death:  Exact:   Approx:

Year of birth:  Exact:   Approx:

**Breast cancer**  Age at diagnosis:  Exact:   Approx:   Unknown

**Contralateral BC**  Age at diagnosis:  Exact:   Approx:   Unknown

**Ovarian cancer**  Age at diagnosis:  Exact:   Approx:   Unknown

**Prostate cancer**  Age at diagnosis:  Exact:   Approx:   Unknown

**Pancreatic cancer**  Age at diagnosis:  Exact:   Approx:   Unknown

**Genetic testing**

Genetic test type:  Untested  Mutation search  Direct gene test

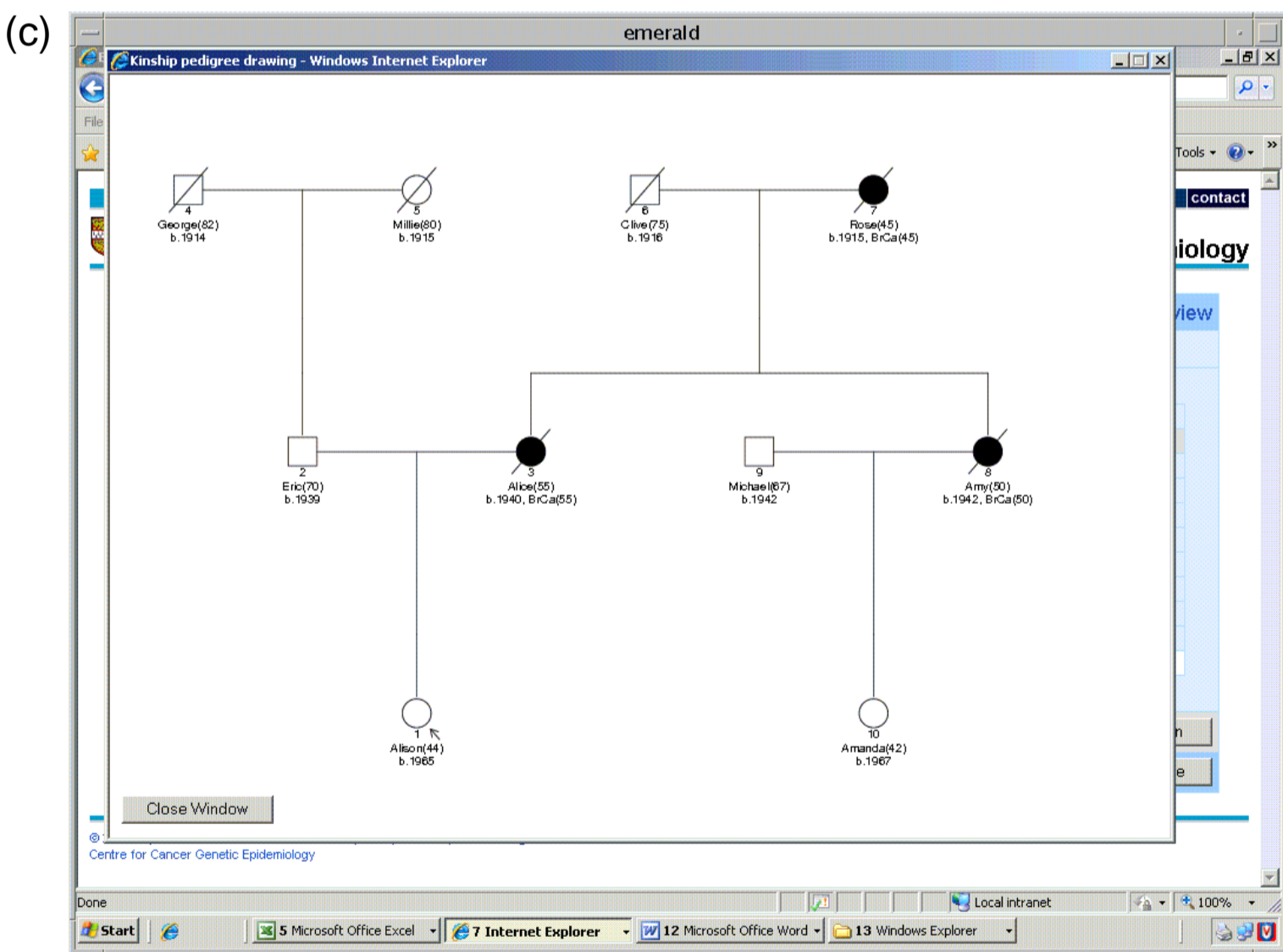
Mutation:  None  BRCA1  BRCA2

**(b) BOADICEA** Pedigree table view

Your input pedigree is listed below...

	Name	Tgt	IndivID	FathID	MothID	Sex	Twin	Status	Age	Yob	1BrCa	2BrCa	OvCa	ProCa	PanCa	Gtest	Mutn	Ashkn
1	Alison	T	1	2	3	F		alive	44	1965								
2	Alice		3	6	7	F		dead	55	1940	55							
3	Eric		2	4	5	M		alive	70	1939								
4	George		4			M		dead	82	1914								
5	Millie		5			F		dead	80	1915								
6	Clive		6			M		dead	75	1916								
7	Rose		7			F		dead	45	1915	45							
8	Amy		8	6	7	F		dead	50	1942	50							
9	Michael		9			M		alive	67	1942								
10	Amanda		10	9	8	F		alive	42	1967								

Model parameters: UK/Default



**(d) BOADICEA** Computed results

Computed results are as follows...

Genetic status	Mutation carrier probabilities	Age	Breast cancer risks	Ovarian cancer risks
No mutation	0.9453	45	0.0037	0.0004
BRCA1	0.0215	46	0.0077	0.0007
BRCA2	0.0332	47	0.0120	0.0011
		48	0.0165	0.0016
		49	0.0213	0.0021
		54	0.0478	0.0053
		59	0.0751	0.0099
		64	0.1007	0.0143
		69	0.1238	0.0184
		74	0.1454	0.0224
		79	0.1654	0.0263
		80	0.1690	0.0271

Model parameters

Family member	Alison (1)
Mutation frequencies	UK, BRCA1: 6.394d-4, BRCA2: 0.00102
Mutation search sensitivities	Default, BRCA1: 0.7, BRCA2: 0.8

If the target has already developed breast cancer (BC), BC risks represent the risk of contralateral BC.