

Supplemental Table 1: sensitivity analyses

		70-75 years				76-80 years				Relative ratio	
		Incidence*	IRR ₇₀₋₇₅	95% C.I.	p-value	Incidence*	IRR ₇₆₋₈₀	95% C.I.	p-value	IRR ₇₀₋₇₅ / IRR ₇₆₋₈₀	95% CI
Shortened screening uptake period											
Period											
Early stage	Pre-screening (1995-1997)	248.7	1.0 (ref)		<0.001	253.9	1.0 (ref)		<0.001	1.0	
	Screening uptake period (1998-2001)	323.0	1.56	(1.49-1.64)	<0.001	258.5	1.02	(0.96-1.08)	0.56	1.53	(1.42-1.65)
	Implemented screening (2002-2011)	367.9	1.46	(1.40-1.52)	<0.001	215.6	0.85	(0.80-0.90)	<0.001	1.72	(1.60-1.85)
Period											
Advanced stage	Pre-screening (1995-1997)	58.6	1.0 (ref)		<0.001	66.0	1.0 (ref)		0.85	1.0	
	Screening uptake period (1998-2001)	48.6	0.83	(0.75-0.92)	0.001	68.3	1.03	(0.92-1.16)	0.57	0.81	(0.69-0.94)
	Implemented screening (2002-2011)	50.4	0.86	(0.79-0.94)	0.001	67.6	1.02	(0.92-1.14)	0.65	0.84	(0.74-0.96)
Lengthened screening uptake period											
Period											
Early stage	Pre-screening (1995-1997)	248.7	1.0 (ref)		<0.001	253.9	1.0 (ref)		<0.001	1.0	
	Screening uptake period (1998-2003)	376.4	1.51	(1.45-1.58)	<0.001	248.3	0.98	(0.92-1.03)	0.44	1.54	(1.43-1.66)
	Implemented screening (2004-2011)	365.3	1.47	(1.41-1.53)	<0.001	212.4	0.84	(0.79-0.88)	<0.001	1.75	(1.62-1.88)
Period											
Advanced stage	Pre-screening (1995-1997)	58.6	1.0 (ref)		<0.001	66.0	1.0 (ref)		0.85	1.0	
	Screening uptake period (1998-2003)	47.4	0.81	(0.73-0.89)	<0.001	69.7	1.06	(0.95-1.18)	0.33	0.76	(0.66-0.89)
	Implemented screening (2004-2011)	51.7	0.88	(0.81-0.97)	0.007	66.4	1.01	(0.90-1.12)	0.92	0.87	(0.76-1.00)
Early stage defined as stage 0-1, stage 2 breast cancer excluded											
Period											
Early stage	Pre-screening (1995-1997)	191.5	1.0 (ref)		<0.001	102.7	1.0 (ref)		0.26	1.0	
	Screening uptake period (1998-2002)	195.3	2.15	(2.02-2.30)	<0.001	98.7	0.96	(0.88-1.05)	0.40	2.24	(2.01-2.59)
	Implemented screening (2003-2011)	248.8	2.39	(2.25-2.54)	<0.001	95.8	0.93	(0.86-1.02)	0.11	2.57	(2.33-2.84)
Period											
Advanced stage	Pre-screening (1995-1997)	58.6	1.0 (ref)		<0.001	66.0	1.0 (ref)		0.73	1.0	
	Screening uptake period (1998-2002)	46.3	0.79	(0.71-0.87)	<0.001	68.9	1.04	(0.94-1.17)	0.46	0.76	(0.66-0.88)
	Implemented screening (2003-2011)	51.8	0.88	(0.81-0.97)	0.007	67.2	1.02	(0.92-1.13)	0.74	0.86	(0.76-0.99)
IRR per year (continuous, starting from 1998)											
Early stage	Year of diagnosis		1.00	(1.00-1.00)	0.88		1.00	(1.00-1.00)	0.88	1.00	(1.00-1.00)

Advanced stage	Year of diagnosis	1.00	(1.0-1.01)	0.37	0.99	(0.98-1.00)	0.17	1.01	(1.00-1.02)
-----------------------	-------------------	------	------------	------	------	-------------	------	------	-------------

^aCases per 100,000 women per year ^bCI=confidence interval