

Table S3: Point estimates (PE) with lower (LCI) and upper (UCI) 95% confidence intervals, standard errors (SE) and relative % precision (RP) of an expected 15-year restricted mean survival time (15-year RMST_{exp}), observed 15-year restricted mean survival time (15-year RMST_C) and loss in 15-year restricted mean survival time (15-year LRMST), obtained with different approaches. Results are presented for women, aged 55, 65, 75 and 85 years at breast cancer diagnosis in 1992, 1997 and 2002 years. All PEs are measured in years. RP illustrates the comparison of modelling approaches with and without uncertainty in the expected measures.

Approach	Age at diagnosis	Expected 15-year RMST _{exp}			Observed 15-year RMST _C			Loss in 15-year restricted mean survival time (LRMST)				
		PE	SE	RP (%)	PE	SE	RP (%)	PE	SE	RP (%)	LCI	UCI
diagnosed in 1992												
modelled w.u.	55	14.43	0.11		12.80	0.10	149.64	1.63	0.04	7.42	1.54	1.71
modelled w/o u.	55	14.43			12.80	0.04		1.63	0.04		1.55	1.71
standard	55	14.37			12.86	0.04		1.51	0.04		1.43	1.59
modelled w.u.	65	13.57	0.15		11.88	0.13	207.35	1.70	0.05	15.76	1.60	1.79
modelled w/o u.	65	13.57			11.88	0.04		1.70	0.04		1.61	1.78
standard	65	13.41			11.84	0.04		1.57	0.04		1.48	1.65
modelled w.u.	75	11.25	0.23		9.22	0.18	193.16	2.03	0.08	35.37	1.87	2.20
modelled w/o u.	75	11.25			9.22	0.06		2.03	0.06		1.91	2.15
standard	75	10.62			8.88	0.06		1.74	0.06		1.62	1.85
modelled w.u.	85	6.59	0.31		5.28	0.22	269.07	1.31	0.11	85.79	1.08	1.53
modelled w/o u.	85	6.59			5.28	0.06		1.31	0.06		1.19	1.43
standard	85	5.96			4.94	0.06		1.02	0.06		0.91	1.13
diagnosed in 1997												
modelled w.u.	55	14.53	0.05		12.89	0.06	47.28	1.64	0.04	1.71	1.56	1.72
modelled w/o u.	55	14.53			12.89	0.04		1.64	0.04		1.56	1.72
standard	55	14.40			12.89	0.04		1.52	0.04		1.44	1.60
modelled w.u.	65	13.64	0.09		11.94	0.09	96.45	1.71	0.05	5.74	1.62	1.80
modelled w/o u.	65	13.64			11.94	0.04		1.71	0.04		1.62	1.79
standard	65	13.52			11.94	0.04		1.58	0.04		1.50	1.67
modelled w.u.	75	11.25	0.15		9.22	0.13	112.49	2.03	0.07	17.76	1.89	2.17
modelled w/o u.	75	11.25			9.22	0.06		2.03	0.06		1.91	2.15
standard	75	10.89			9.10	0.06		1.80	0.06		1.68	1.92
modelled w.u.	85	6.55	0.19		5.25	0.15	141.54	1.29	0.08	36.83	1.13	1.46
modelled w/o u.	85	6.55			5.25	0.06		1.29	0.06		1.18	1.41
standard	85	6.10			5.04	0.06		1.05	0.06		0.94	1.17
diagnosed in 2002												
modelled w.u.	55	14.60	0.06		12.95	0.07	65.47	1.65	0.04	2.59	1.57	1.74
modelled w/o u.	55	14.60			12.95	0.04		1.65	0.04		1.57	1.73
standard	55	14.45			12.93	0.04		1.52	0.04		1.44	1.60
modelled w.u.	65	13.62	0.10		11.92	0.10	117.82	1.70	0.05	7.57	1.61	1.79
modelled w/o u.	65	13.62			11.92	0.04		1.70	0.04		1.62	1.79
standard	65	13.64			12.04	0.04		1.60	0.04		1.52	1.69
modelled w.u.	75	11.00	0.19		9.03	0.15	155.74	1.97	0.08	26.35	1.82	2.12
modelled w/o u.	75	11.00			9.03	0.06		1.97	0.06		1.85	2.08
standard	75	11.13			9.28	0.06		1.85	0.06		1.73	1.97
modelled w.u.	85	6.26	0.23		5.05	0.17	206.36	1.21	0.09	59.83	1.04	1.39
modelled w/o u.	85	6.26			5.05	0.06		1.21	0.06		1.10	1.32
standard	85	6.26			5.17	0.06		1.09	0.06		0.97	1.21