

### Appendix 3 (as supplied by the authors): Characteristics of Randomized Controlled Trials (1)

Name of Study, Ref	Malmö I (2,3)	Malmö II (2,3)	Stockholm (4)	Gothenburg (5)	CNBSS 1 (6)	CNBSS2 (7)	AGE (8)	HIP (9)	Swedish Two County (Ostergotland) (10)	Swedish Two County (Kopparberg) (10)
Country	Sweden	Sweden	Sweden	Sweden	Canada	Canada	UK	USA	Sweden	Sweden
Year of study	1976	1978	1981	1982	1980	1980	1991	1963	1977	1978
Year Screening Programs Introduced	1986	1986	1986	1986	1988	1988	1988	1991	1986	1986
Study Design	RCT	RCT	Quasi-RCT	Quasi-RCT	RCT	RCT	RCT	RCT	Cluster-RCT <sup>A</sup>	Cluster-RCT <sup>A</sup>
Age at Entry Total <i>n</i> randomized	45-70 N=42,283	43-49 N=17,793	39-65 N=60,117	39-59 N=50,200	40-49 N=50,489	50-59 N=39,459	39-41 N=160,921	40-64 N=61,004 <sup>B</sup>	40-74 N=75,894	40-74 N=57,171
Longest Follow-up Reported	30 yrs (mean)*	22 yrs (mean)*	25 yrs (mean)*	24 yrs (mean)*	21.9 yrs (mean)*	21.9 yrs (mean)*	17.7 yrs (median)*	18 yrs (mean)	25.7 yrs (mean)	25.7 yrs (mean)
Intervention (type) <i>n</i> randomized	M (Film) (n=21,088)	M (Film) (n=9,581)	M (Film) (n=39,139)	M (Film) (n=21,000)	M (Film) + CBE (n=25,246)	M (Film) + CBE (n=19,735)	M (NR) (n=53,914)	M (Film) + CBE (n=30,239) <sup>B</sup>	M (NR) (n=38,491)	M (NR) (n=38,589)
Comparator <i>n</i> randomized	Usual Care (n=21,195)	Usual Care (n=8,212)	Usual Care (n=20,978)	Usual Care (n=29,200)	Usual Care (n=25,243)	Clinical Breast Ex. (n=19,724)	Usual Care (n=107,007)	Usual Care (n=30,765) <sup>B</sup>	Usual Care (n=37,403)	Usual Care (n=18,582)
Received screening at end of study?	No	Yes	Yes	Yes	No	No	Yes	NR	Yes	Yes
Screening Interval	18-24 mo.	18-24 mo.	28 mo.	18 mo.	12 mo.	12 mo.	12 mo.	12 mo.	24-33 mo. <sup>G</sup>	24-33 mo. <sup>G</sup>
Duration of Screening	12 yrs	12 yrs	4 yrs	7 yrs	4 yrs	4 yrs	8 yrs	3 yrs	7 yrs	7 yrs
Attendance Rate	74%	74%	82%	84%	88%	88%	81%	65%	85%	85%

M=Mammography; NR= Not Reported; CBE= Clinical Breast Exam UC= Usual Care; SES= Socioeconomic status

\*Updated follow-up from studies identified in updated search.

<sup>A</sup> Geographic clusters within each county stratified by socioeconomic status.

<sup>B</sup> The number randomized is unclear. The number analyzed is presented.

<sup>G</sup>40-49 yrs: average 24 mo.; 50-59 yrs: average 33 mo.

### Appendix III: Reference List

- (1) Barbeau P, Stevens A, Beck A, et al. Breast Cancer Screening: Part A. An evidence report to inform an update of the Canadian Task Force on Preventive Health Care 2011 Guideline (Prepared by the Knowledge Synthesis Group, Ottawa Methods Centre, Ottawa Hospital Research Institute for the Canadian Task Force on Preventive Health Care under contract by the Public Health Agency of Canada). CTFPHC; October 2017. Available: [www.canadiantaskforce.ca](http://www.canadiantaskforce.ca) (accessed 2017 Oct 9).
- (2) Andersson I, Aspegren K, Janzon L, et al. Mammographic screening and mortality from breast cancer: the Malmö mammographic screening trial. *BMJ*. 1988;297:943-8.
- (3) Nystrom L, Andersson I, Bjurstam N, et al. Long-term effects of mammography screening: updated overview of the Swedish randomised trials. *Lancet*. 2002;359:909-19.
- (4) Frisell J, Lidbrink E, Hellstrom L, et al. Follow-up after 11 years--update of mortality results in the Stockholm mammographic screening trial. *Breast Cancer Res Treat*. 1997;45:263-70.
- (5) Bjurstam N, Bjorneld L, Warwick J, et al. The Gothenburg breast screening Trial. *Cancer*. 2003;97:2387-96.
- (6) Miller AB, To T, Baines CJ, et al. The Canadian National Breast Screening Study-1: breast cancer mortality after 11 to 16 years of follow-up. A randomized screening trial of mammography in women age 40 to 49 years. *Ann Intern Med*. 2002;137:305-12.
- (7) Miller AB, Baines CJ, To T, et al. Canadian National Breast Screening Study: 2. Breast cancer detection and death rates among women aged 50 to 59 years. *CMAJ*. 1992;147:1477-88.
- (8) Moss SM, Cuckle H, Evans A, et al.; Trial Management Group. Effect of mammographic screening from age 40 years on breast cancer mortality at 10 years' follow-up: a randomised controlled trial. *Lancet*. 2006;368:2053-60.
- (9) Shapiro S, Venet W, Strax P, et al. Ten- to fourteen-year effect of screening on breast cancer mortality. *J Natl Cancer Inst*. 1982;69:349-55.
- (10) Tabár L, Fagerberg G, Chen TH-H, et al. Efficacy of breast cancer screening by age. New results from the Swedish Two-County Trial. *Cancer*. 1995;75:2507-17.