

Supplementary Table S1. Characteristics of the study populations

Study name / abbreviation	Reference	Study design	Number of cases / controls	Enrollment year(s)	Mammogram film view	Median interval between mammogram & diagnosis (index date)	Source of cases	Source of pathology	Source of covariate data
Mayo Mammography Health Study /MMHS	8, 9	Nested case-control study	404/1207	2003-2006	CC ^a Average	3.6 years	Linkage to clinic and state cancer registries.	Clinic and three state cancer registries; medical records	Questionnaire and medical record review (BMI ^b)
Mayo Clinic Breast Cancer Study /MCBCS	10, 11	Case-control study	257/178	2001-2008	CC ^a Contralateral	1.3 years	Clinic	Clinic cancer registry; medical records	Questionnaire and medical record review (BMI ^b)
Nurses' Health Study /NHS	12, 14	Nested case-control study	1109/2163	1989-1990	CC ^a Average	5.2 years	Self-report	Pathology reports and tumor tissue microarray	Questionnaire
Nurses' Health Study II /NHSII	13	Nested case-control study	365/992	1996-1999	CC ^a Average	4.2 years	Self-report	Pathology reports and tumor tissue microarray	Questionnaire
Mayo Clinic Mammography Study / MCMAM	15	Nested case-control study	371/677	1997-2001	CC ^a Average	7.1 years	Clinic within screening practice	Clinic cancer registries; medical records	Medical record review

Bay Area Breast Cancer SPORE and San Francisco Mammography Registry/SFMR	16-18	Nested case- control study	1589/3341	1996-2007	CC ^a Contralateral	3.6 years	Linkage to state-wide Surveillance, Epidemiology and End Results (SEER) program	SEER	Questionnaire
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^aCC, craniocaudal mammogram view

^bBMI, body mass index