Supplementary Table 2. Tracking of mammographic density measures over time among controls, by density assessment method

| Mammograhic density measure | Age at each screening round (time interval) | Cumulus (left MLO values) | | ImageJ-based method | | | |
| | | | | Left-right MLO mean values [a] | | Left MLO values | |
		N [b]	r [c] (p value)	N [b]	r [c] (p value)	N [b]	r [c] (p value)
Percent density [c]	41-42 (~-1 yr)	314	0.77 (<0.0001)	330	0.83 (<0.0001)	309	0.78 (<0.0001)
	42 [d]-43 (~1 yr)	366	0.73 (<0.0001)	372	0.84 (<0.0001)	356	0.77 (<0.0001)
	42-44 (~2 yrs)	347	0.74 (<0.0001)	354	0.84 (<0.0001)	339	0.80 (<0.0001)
	42-45 (~3 yrs)	311	0.65 (<0.0001)	317	0.79 (<0.0001)	306	0.77 (<0.0001)
	42-46 (~4 yrs)	263	0.70 (<0.0001)	266	0.81 (<0.0001)	258	0.72 (<0.0001)
	42-47 (~5 yrs)	217	0.69 (<0.0001)	219	0.76 (<0.0001)	212	0.71 (<0.0001)
	42-48 (~6 yrs)	149	0.66 (<0.0001)	150	0.77 (<0.0001)	147	0.66 (<0.0001)
Dense Area	41-42 (~-1 yr)	314	0.76 (<0.0001)	330	0.80 (<0.0001)	309	0.77 (<0.0001)
	42 [d]-43 (~1 yr)	366	0.70 (<0.0001)	372	0.79 (<0.0001)	356	0.72 (<0.0001)
	42-44 (~2 yrs)	347	0.72 (<0.0001)	354	0.80 (<0.0001)	339	0.71 (<0.0001)
	42-45 (~3 yrs)	311	0.63 (<0.0001)	317	0.75 (<0.0001)	306	0.67 (<0.0001)
	42-46 (~4 yrs)	263	0.64 (<0.0001)	266	0.75 (<0.0001)	258	0.66 (<0.0001)
	42-47 (~5 yrs)	217	0.66 (<0.0001)	219	0.70 (<0.0001)	212	0.63 (<0.0001)
	42-48 (~6 yrs)	149	0.64 (<0.0001)	150	0.68 (<0.0001)	147	0.63 (<0.0001)
Non- dense area	41-42 (~-1 yr)	314	0.89 (<0.0001)	330	0.89 (<0.0001)	309	0.89 (<0.0001)
	42 [d]-43 (~1 yr)	366	0.88 (<0.0001)	372	0.91 (<0.0001)	356	0.87 (<0.0001)
	42-44 (~2 yrs)	347	0.86 (<0.0001)	354	0.91 (<0.0001)	339	0.89 (<0.0001)
	42-45 (~3 yrs)	311	0.81 (<0.0001)	317	0.89 (<0.0001)	306	0.86 (<0.0001)
	42-46 (~4 yrs)	263	0.83 (<0.0001)	266	0.90 (<0.0001)	258	0.86 (<0.0001)
	42-47 (~5 yrs)	217	0.84 (<0.0001)	219	0.86 (<0.0001)	212	0.82 (<0.0001)
	42-48 (~6 yrs)	149	0.82 (<0.0001)	150	0.86 (<0.0001)	147	0.84 (<0.0001)
Breast Area	41-42 (~-1 yr)	314	0.94 (<0.0001)	330	0.92 (<0.0001)	309	0.92 (<0.0001)
	42 [d]-43 (~1 yr)	366	0.92 (<0.0001)	372	0.93 (<0.0001)	356	0.91 (<0.0001)
	42-44 (~2 yrs)	347	0.93 (<0.0001)	354	0.94 (<0.0001)	339	0.92 (<0.0001)
	42-45 (~3 yrs)	311	0.90 (<0.0001)	317	0.92 (<0.0001)	306	0.90 (<0.0001)
	42-46 (~4 yrs)	263	0.90 (<0.0001)	266	0.93 (<0.0001)	258	0.91 (<0.0001)
	42-47 (~5 yrs)	217	0.90 (<0.0001)	219	0.91 (<0.0001)	212	0.90 (<0.0001)
	42-48 (~6 yrs)	149	0.89 (<0.0001)	150	0.90 (<0.0001)	147	0.91 (<0.0001)

CI: confidence interval; MLO: medio-lateral oblique view; yr: year

[a] For 14.4% cases and 14.1% controls only one MLO image (left or right) was available and its density values were used instead.

[b] Number of women vary across ages because not all attended every screening round. The numbers of women for whom ImageJ-based left-right mean values were available at each screening round were greater than the corresponding numbers for Cumulus because only those with a left MLO view could be included in the latter. The numbers of women with ImageJ-based left MLO values were smaller than the corresponding numbers with Cumulus left MLO values because the ImageJ-based approach failed to produce valid readings for some images (see Material and Methods section).

[c] Spearman correlation coefficient.

[d] For Cumulus, tracking of percent density by reader is shown in Supplementary Table 3.

[e] Tracking was calculated from age 42 years because the majority of participants joined the study at that age.