

Supplemental Tables for:

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BREAST DENSITY AND RISK OF BREAST CANCER

Supplementary Table 1. Rate ratio (RR) and 95% confidence interval (in parentheses) of breast cancer incidence by BI-RADS density code at first screen in recruitment period, Capital Region, Denmark, 2012-2020, by age at recruitment. Baseline = All women.

Supplementary Table 2. Number of women aged 50-69 at recruitment; density at recruitment and density at last screen. Women with missing density on first and/or last screen excluded.

Supplementary Table 1. Rate ratio (RR) and 95% confidence interval (in parentheses) of breast cancer incidence by BI-RADS density code at first screen in recruitment period, Capital Region, Denmark, 2012-2020, by age at recruitment. Baseline = All women.

Age at recruitment	BI-RADS density at time of recruitment				
	1	2	3	4	3+4
50-54 years					
-Crude RR	0.50 (0.43-0.58)	0.89 (0.82-0.97)	1.39 (1.30-1.48)	1.63 (1.39-1.91)	1.44 (1.36-1.51)
-Age-adjusted <sup>1</sup> RR	0.50 (0.43-0.59)	0.89 (0.82-0.97)	1.39 (1.29-1.48)	1.62 (1.38-1.89)	1.43 (1.36-1.51)
55-59 years					
-Crude RR	0.66 (0.58-0.74)	1.01 (0.93-1.10)	1.41 (1.27-1.55)	1.45 (1.09-1.93)	1.41 (1.29-1.54)
-Age-adjusted <sup>1</sup> RR	0.66 (0.58-0.75)	1.01 (0.93-1.09)	1.4 (1.27-1.54)	1.46 (1.09-1.94)	1.41 (1.29-1.54)
60-64 years					
-Crude RR	0.72 (0.65-0.80)	1.08 (1.00-1.16)	1.27 (1.15-1.41)	1.61 (1.21-2.14)	1.31 (1.20-1.44)
ee	0.72 (0.65-0.79)	1.08 (1.00-1.16)	1.28 (1.15-1.41)	1.61 (1.21-2.14)	1.32 (1.20-1.44)
65-69 years					
-Crude RR	0.63 (0.57-0.69)	1.27 (1.20-1.35)	1.22 (1.09-1.37)	1.12 (0.78-1.59)	1.21 (1.09-1.34)
-Age adjusted <sup>1</sup> RR	0.63 (0.57-0.69)	1.27 (1.20-1.35)	1.22 (1.09-1.36)	1.11 (0.78-1.57)	1.21 (1.09-1.34)
Total 50-69 years					
-Crude RR	0.66 (0.62-0.69)	1.07 (1.03-1.11)	1.28 (1.22-1.34)	1.39 (1.23-1.56)	1.30 (1.25-1.35)
-Age adjusted <sup>1</sup> RR	0.63 (0.60-0.67)	1.07 (1.03-1.11)	1.32 (1.26-1.38)	1.49 (1.32-1.67)	1.35 (1.29-1.40)
Total 50-64 years					
-Crude RR	0.66 (0.61-0.70)	1.00 (0.95-1.04)	1.32 (1.25-1.39)	1.48 (1.30-1.68)	1.35 (1.29-1.40)
-Age adjusted <sup>1</sup> RR	0.64 (0.59-0.68)	0.99 (0.95-1.04)	1.35 (1.28-1.42)	1.56 (1.38-1.77)	1.38 (1.33-1.44)

Note: 1) adjusted by running age in 5-year age groups

Supplemenraty Table 2. Number of women aged 50-69 at recruitment; density at recruitment and density at last screen. Women with missing density on first and/or last screen excluded.

Density at recruitment	Total number of women at recruitment	Screened 1 time	Screened 2+ times					Total
			Density at ls last screen				Total	
			1	2	3	4		
1	61964	18434	37513	5916	84	17	43530	
2	72145	21129	10047	36006	4905	58	51016	
3	45705	13331	263	10090	20015	2006	32374	
4	8956	2973	53	181	2538	5211	5983	
Total	188770	55867	47876	52193	27542	7292	132903	

Percent women with 2+ screens: 70.4%

Of these, percent women with constant BI-RADS density: 74.3%

Of these, percent women with BI-RADS density decreasing one step from first to last screen: 9.7%

Of these, percent women with BI-RADS density increasing one step from first to last screen: 17.1%

Of these, percent women with BI-RADS density changing more than one step from first to last screen: 0.5%