

**Supplementary Table S4.** Association between baseline risk factors and breast cancer risk utilizing CC-VPD only for pre-menopausal women.

Risk factors	Estimates			
	HR	P-value	Lower 95%	Upper 95%
Model				
Age	1.00	0.89	0.95	1.06
<b>BMI (kg/m<sup>2</sup>)</b>	<b>1.06</b>	<b>&lt;0.01</b>	<b>1.03</b>	<b>1.10</b>
<b>Family history</b>	<b>1.91</b>	<b>&lt;0.01</b>	<b>1.24</b>	<b>2.94</b>
Biopsy confirmed benign breast disease	1.15	0.61	0.68	1.94
Parity (1+ vs 0)	0.87	0.56	0.54	1.41
<b>CC-VPD (per 1% increase)</b>	<b>1.07</b>	<b>0.04</b>	<b>1.00</b>	<b>1.14</b>