

**Supplementary Table S6.** Association between baseline risk factors and breast cancer risk utilizing FULL-VPD only for pre-menopausal women.

Risk factors	Estimates			
	HR	P-value	Lower 95%	Upper 95%
Model	1.00	0.91	0.95	1.06
Age	1.00	0.91	0.95	1.06
<b>BMI (kg/m<sup>2</sup>)</b>	<b>1.06</b>	<b>&lt;0.01</b>	<b>1.02</b>	<b>1.10</b>
<b>Family history</b>	<b>1.93</b>	<b>&lt;0.01</b>	<b>1.25</b>	<b>2.98</b>
Biopsy confirmed benign breast disease	1.20	0.50	0.71	2.00
Parity (1+ vs 0)	0.93	0.75	0.57	1.50
<b>FULL-VPD (per 1% increase)</b>	<b>1.08</b>	<b>0.05</b>	<b>1.00</b>	<b>1.16</b>