**Supplementary Table S1.** Association between baseline risk factors and breast cancer risk utilizing CC-VPD only for post-menopausal women.

| Risk factors | Estimates | | | |
|---|---|---|---|---|
| Model | HR | P-value | Lower 95% | Upper 95% |
| Age | 1.03 | 0.029 | 1.00 | 1.06 |
| **BMI (kg/m$^2$)** | **1.05** | **<0.01** | **1.03** | **1.08** |
| Family history | 1.21 | 0.23 | 0.89 | 1.65 |
| Biopsy confirmed benign breast disease | 0.99 | 0.95 | 0.73 | 1.34 |
| Parity (1+ vs 0) | 0.98 | 0.89 | 0.69 | 1.39 |
| CC-VPD (per 1% increase) | 1.04 | 0.10 | 0.99 | 1.09 |