**Supplemental Table 1. General characteristics of the study population in the Korea Breast Cancer Study, 2004 to 2012**

**Total women Premenopausal women Postmenopausal women**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **BC cases****N=12,889** | **Controls****N=12,889** | **BC cases****N=6,322** | **Controls****N=6,322** | **BC cases****N=6,567** | **Controls****N=6,567** |
| **N (%)** | **N (%)** | **N (%)** | **N (%)** | **N (%)** | **N (%)** |
| **BC family history 1 (+)** | 856 (6.6) | 206 (1.6) \* | 459 (7.3) | 90 (1.4)\* | 397 (6.1) | 116 (1.8)\* |
| **Age at menarche** ≤ **15 years** | 7,675 (60.0) | 7,635 (59.2) | 4,565 (72.3) | 4,563 (72.2) | 3,110 (47.4) | 3,072 (46.8) |
| **Parous women** | 12,598 (97.7) | 12,745 (98.9)\* | 6,170 (97.6) | 6,228 (98.5)\* | 6,428 (97.9) | 6,517 (99.2)\* |
| **Age at FFTP 2 > 25 years** | 7,217 (56.0) | 6,630 (51.4)\* | 4,036 (63.88) | 3,823 (60.5)\* | 3,181 (48.4) | 2,807 (42.7)\* |
| **Ever breastfeeding (+)** | 9,632 (74.7) | 10,770 (83. 6)\* | 4,225 (66.8) | 4,888 (77.3)\* | 5,407 (82.3) | 5,882 (89.6)\* |
| **OC ever-users (+)** | 6,316 (49.0) | 2,348 (18.2)\* | 2,978 (47.1) | 924 (14.6)\* | 3,338 (50.8) | 1,424 (21.7)\* |
| **BMI ≥ 30 kg/m2** | 559 (4.3) | 357 (2.8)\* | 175 (2.8) | 138 (2.2)\* | 384 (5.9) | 219 (3.3)\* |
|  | **Mean (SD)** | **Mean (SD)** | **Mean (SD)** | **Mean (SD)** | **Mean (SD)** | **Mean (SD)** |
| **Age** | 51.5 (8.0) | 51.5 (8.0) | 45.0 (2.8) | 45.0 (2.8) | 57.7 (6.3) | 57.7 (6.3) |
| **Enrollment year** | 2008 (2.4) | 2008 (2.2) | 2008 (2.4) | 2008 (2.2) | 2008 (2.4) | 2008 (2.2) |

Abbreviations: BC, breast cancer; FFTP, first full-term pregnancy; OC, oral contraceptive; BMI, body mass index.

\* *P*<.001

1. Among first- and second-degree relatives
2. Among parous women