Supplemental Table 1. Comparison of characteristics among women who participated in BIGCS and those who did not

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| --- | --- | --- | --- |
| Characteristics | Women participated in BIGCS | Women eligible but who did not participate in BIGCS | P value† |
|  | Included in present study | Not included in present study | P value\* | Total |
| N | 3063 | 3189 |  |  | 2758 |  |
| Age (years), mean (SD) | 28.9 (3.2) | 28.6(3.4) | 0.001 | 28.7 (3.3) | 28.6(3.4) | 0.199 |
| Education level, n (%) |  |  | <0.001 |  |  | <0.001 |
| Middle school or below | 306 (10.0) | 454 (14.2) |  | 760 (12.2) | 438(15.9) |  |
| College | 756 (24.7) | 906 (28.4) |  | 1662 (26.6) | 786 (28.5) |  |
| Undergraduate | 1637 (53.4) | 1493 (46.8) |  | 3130 (50.1) | 1243 (45.1) |  |
| Postgraduate | 364 (11.9) | 336(10.5) |  | 700 (11.2) | 291(10.6) |  |
| Monthly income (Yuan), n (%)‡ |  |  | 0.005 |  |  |  |
| <1500 | 227 (8.2) | 304 (9.5) |  | 531 (9.6) | - |  |
| 1500-4500 | 1038 (37.4) | 979 (30.7) |  | 2017 (36.4) | - |  |
| 4501-9000 | 1120 (40.4) | 1108 (34.7) |  | 2228 (40.2) | - |  |
| ≥9001 | 387 (14) | 383 (12.0) |  | 770 (13.9) | - |  |
| Pre-pregnancy BMI (kg/m2)‡ |  |  | 0.194 |  |  |  |
| <18.5 | 690 (24.8) | 750(26.8) |  | 1440 (25.8) | - |  |
| 18.5-23.9 | 1844 (66.4) | 1797(64.1) |  | 3641 (65.2) | - |  |
| ≥24 | 244 (8.8) | 256 (9.1) |  | 500 (9.0) | - |  |
| Family history of diabetes, n (%)‡ |  |  | 0.179 |  |  |  |
| No | 2274 (80.6) | 2311 (82.0) |  | 4585 (81.3) | - |  |
| Yes | 549 (19.4) | 509 (18.0) |  | 1058 (18.7) | - |  |
| Parity, n (%)‡ |  |  | 0.040 |  |  |  |
| 0 | 2639 (93.3) | 2592(91.8) |  | 5231 (92.6) | - |  |
| ≥1 | 190 (6.7) | 230(8.2) |  | 420 (7.4) | - |  |

\*P values for comparison between BIGCS women included in present study and those not included.

†P values for comparison between women who participated in BIGCS and those who were eligible but did not participate.

‡The numbers of missing values for monthly income, pre-pregnancy BMI, family history of diabetes, and parity were 706, 671, 609, and 601, respectively.