# Supplementary Material

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| **Supplementary Table 1. Characteristics differences between 11592 pregnant women who were analyzed and 9287 pregnant women who were excluded from the analysis.** | | | | | | |
|  | Women who were analyzed (n=11592) | | Women who were not analyzed (n=9287) | | *P*-valuea |
|  |
|  | n | (%) | n | (%) |  | |
| Age in early pregnancy |  |  |  |  | <0.001 | |
| –29 years | 3785 | (32.7) | 3685 | (39.7) |  | |
| 30–34 years | 4424 | (38.2) | 3217 | (34.6) |  | |
| 35– years | 3383 | (29.2) | 2385 | (25.7) |  | |
| Educational attainment |  |  |  |  | <0.001 | |
| High school or lower | 3657 | (31.6) | 678 | (41.7) |  | |
| College | 4512 | (38.9) | 605 | (37.2) |  | |
| University or higher | 3423 | (29.5) | 342 | (21.1) |  | |
| Equivalent household income (/year) |  |  |  |  | <0.001 | |
| 0–2 million Japanese yen | 2641 | (22.8) | 2285 | (28.2) |  | |
| 2–3 million Japanese yen | 3669 | (31.7) | 2629 | (32.5) |  | |
| 3–4 million Japanese yen | 2163 | (18.7) | 1426 | (17.6) |  | |
| 4– million Japanese yen | 3119 | (26.9) | 1752 | (21.7) |  | |
| Work status in early pregnancy |  |  |  |  | 0.52 | |
| Not working | 3935 | (34.0) | 2884 | (33.5) |  | |
| Working | 7657 | (66.1) | 5721 | (66.5) |  | |
| Work status in middle pregnancy |  |  |  |  | 0.90 | |
| Not working | 4475 | (38.6) | 3094 | (38.7) |  | |
| Working | 7117 | (61.4) | 4903 | (61.3) |  | |
| Psychological distress in early pregnancy |  |  |  |  | <0.001 | |
| No | 7695 | (66.4) | 5699 | (62.5) |  | |
| Yes | 3897 | (33.6) | 3419 | (37.5) |  | |
| Psychological distress in middle pregnancy |  |  |  |  | <0.001 | |
| No | 8373 | (72.2) | 6177 | (67.7) |  | |
| Yes | 3219 | (27.8) | 2951 | (32.3) |  | |
| Alcohol use in early pregnancy |  |  |  |  | <0.001 | |
| No | 9171 | (79.1) | 7525 | (81.6) |  | |
| Yes | 2421 | (20.9) | 1694 | (18.4) |  | |
| Alcohol use in middle pregnancy |  |  |  |  | 0.047 | |
| No | 10849 | (93.6) | 8664 | (94.3) |  | |
| Yes | 743 | (6.4) | 528 | (5.7) |  | |
| Percentages are shown after excluding women whose values were missing. | | | | | | |
| aObtained using the chi-squared test, comparing women who were analyzed and women who were not. | | | | | | |