**Supplementary Table 2. Adjusted associations a between selected maternal and newborns characteristics and birth outcomes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Characteristics** | **Birthweight (g)** | **Birthweight Z-scores**  | **Birth length (cm)** | **Birth length Z-scores**  | **Low birthweight** | **Gestational age at birth\*** |
| βb | 95% CI | βc | 95% CI | βd | 95% CI | βe | 95% CI | ORb | 95% CI | βf | 95% CI |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Gestational age at enrolment (weeks)** | 12.99 | -12.35, 38.33 | -0.01 | -0.07, 0.06 | 0.08 | -0.11. 0.28 | 0.02 | -0.07,0.11 | 0.99 | 0.81,1.22 | -0.10 | -0.30, 0.09 |
| **Newborn sex** |  |  |  |  |  |  |  |  |  |  |  |  |
| Female vs. Male | **-207.85** | **-350.05, -65.64** |  |  | **-1.41** | **-2.48, -0.35** |  |  | 2.60 | 0.76, 8.93 | -0.86 | -1.97, 0.26 |
| **Gestational age at birth (weeks)** | **105.05** | **77.56, 132.54** |  |  | **0.62** | **0.41, 0.83** |  |  | **0.65** | **0.51, 0.83** |  |  |
| **Maternal age** | -13.14 | -27.90, 1.62 | -0.02 | -0.06, 0.01 | 0.05 | -0.04, 0.14 | 0.02 | -0.02,0 .06 | 1.10 | 0.99,1.23 | **-0.09** | **-0.18, 0.01** |
| **N° of previous pregnancies** | **78.08** | **3.20, 152.96** | **0.23** | **0.05, 0.42** |  |  |  |  | 0.51 | 0.25, 1.04 |  |  |
| **Tobacco consumption history** |  |  |  |  |  |  |  |  |  |  |  |  |
| Yes vs No | -45.81 | -199.82, 108.19 | 0.05 | -0.33, 0.43 |  |  |  |  | 1.68 | 0.50, 5.66 |  |  |
| **Body mass index** | **20.40** | **2.08, 38.72** | **0.05** | **0.01, 0.09** |  |  |  |  | 1.01 | 0.87, 1.18 | 0.09 | -0.07, 0.24 |
| **Marital status** |  |  |  |  |  |  |  |  |  |  |  |  |
| Married/cohabiting vs.no partner |  |  |  |  | 1.23 | -0.42, 2.89 | **0.77** | **0.01,1.54** |  |  |  |  |
| **Maternal education** |  |  |  |  |  |  |  |  |  |  |  |  |
| Junior high school |  |  |  |  | 1.02 | -0.37, 2.41 | 0.62 | -0.01, 1.26 |  |  | -0.50 | -2.07, 1.01 |
| > Junior high school |  |  |  |  | 1.28 | -0.39,2.96 | **0.89** | **0.13; 1.64** |  |  | **-1.99** | **-3.79, -0.21** |

**a** All models were adjusted for maternal age and gestational age at enrolment (when blood samples were collected) both as continuous variables, and categorized *p,p’*-DDE exposure.

b Adjustedfor newborn sex, gestational age at birth (weeks), number of previous pregnancies (as a continuous variable), tobacco consumption history (yes or no) and body mass index (as a continuous variable).

c Adjusted fornumber of previous pregnancies (as a continuous variable), tobacco consumption history (yes or no) and body mass index (as a continuous variable).

d Adjustedfor newborn sex, gestational age at birth (weeks), marital status and maternal education.

e Adjusted for marital status and maternal education

f Adjustedfor newborn sex, body mass index (included as a continuous variable) and maternal education.

\* Newborns delivered by C-section were excluded