**Supplementary table 1: Association between maternal selenium intake from food and from supplements in mid pregnancy and risk for early preterm, late preterm, and early term delivery,  n=72,025 women in the Norwegian Mother, Father and Child Cohort Study (MoBa).**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unadjusted | | |  | Adjusted1 | | |
|  | HR2 | 95% CI of HR2 | P |  | HR2 | 95% CI of HR2 | P |
| **Early preterm delivery (cases=952)** |  |  |  |  |  |  |  |
| Selenium intake from food3 | 0.93 | 0.87 – 0.99 | 0.03 |  | 0.98 | 0.87 – 1.11 | 0.76 |
| Selenium intake from inorganic supplements3 | 1.02 | 0.96 – 1.08 | 0.60 |  | 1.01 | 0.95 – 1.08 | 0.80 |
| Selenium intake from organic supplements3 | 0.97 | 0.90 – 1.05 | 0.43 |  | 0.97 | 0.90 – 1.04 | 0.39 |
| **Late preterm delivery (cases=2,666)** |  |  |  |  |  |  |  |
| Selenium intake from food3 | 0.98 | 0.95 – 1.02 | 0.37 |  | 0.90 | 0.84 – 0.97 | 0.007 |
| Selenium intake from inorganic supplements3 | 1.02 | 0.99 – 1.06 | 0.25 |  | 1.02 | 0.98 – 1.06 | 0.42 |
| Selenium intake from organic supplements3 | 0.99 | 0.95 – 1.03 | 0.67 |  | 0.99 | 0.95 – 1.03 | 0.51 |
| **Early term delivery (cases=11,666)** |  |  |  |  |  |  |  |
| Selenium intake from food3 | 1.00 | 0.98 – 1.01 | 0.63 |  | 0.98 | 0.94 – 1.01 | 0.19 |
| Selenium intake from inorganic supplements3 | 1.04 | 0.99 – 1.02 | 0.69 |  | 1.01 | 0.99 – 1.03 | 0.22 |
| Selenium intake from organic supplements3 | 0.99 | 0.97 – 1.01 | 0.39 |  | 0.99 | 0.97 – 1.01 | 0.37 |

Daily maternal dietary intake of selenium from food and from supplements and hazard ratios (HR) for early preterm delivery (22+0-33+6 weeks, n=952), late preterm delivery (34+0-36+6 weeks, n=2,666), early term (37+0-38+6 weeks, n=11,660).

Selenium intake from food and from supplements were assessed with a food frequency questionnaire in gestational week 22.

1Adjusted for: maternal age, parity, smoking habits, alcohol consumption during pregnancy, maternal education, BMI, iodine intake in five categories, protein intake, fiber intake, omega-3 intake and total energy intake. Analyses for the different selenium sources are also mutually adjusted in the adjusted model.

2HR per standard deviation of selenium intake. Standard deviations for selenium intake from food is 14.6 µg/day, from inorganic supplements is 32.6 µg/day and from organic supplements 10.0 µg/day

3Measured in µg/day