# Supplemental material

**Supplemental table 1.** Retention and dropout of randomized participants

|  |  |  |  |
| --- | --- | --- | --- |
|  | FA No.(%) | IFA No.(%) | MMN No.(%) |
| Randomized participants | 6261 | 6252 | 6262 |
| Moved out | 13 (0.2) | 7 (0.1) | 8 (0.1) |
| Dropped out | 12 (0.2) | 12 (0.2) | 9 (0.1) |
| Maternal death | 1 (0.0) | 0 (0.0) | 1 (0.0) |
| Induced abortion | 57 (0.9) | 55 (0.9) | 52 (0.8) |
| Spontaneous abortion | 216 (3.4) | 206 (3.3) | 229 (3.7) |
| Participants with known pregnancy outcomes\* | 5962 (95.2) | 5972 (95.5) | 5963 (95.2) |
| Multiple births | 28 | 18 | 21 |
| Stillbirth | 28 | 28 | 26 |
| Malformation | 13 | 15 | 9 |
| No birth weight | 57 | 50 | 50 |
| Singleton live birth without malformation & with birth weight information † | 5892 | 5909 | 5904 |

\*Multiple births, stillbirth, malformation, and no birth weight are partly overlapping.

†Included in the analyses for the study.

**Supplemental table 2.** Baseline maternal characteristics according to study intervention\*

|  |  |  |  |
| --- | --- | --- | --- |
| Characteristics | FA (n=5892) | IFA (n=5909) | MMN (n=5904) |
| Age, years, mean (SD) | 23.6 (2.9) | 23.7 (2.8) | 23.6 (2.8) |
| Han Ethnicity, n (%) | 5817 (98.7) | 5845 (98.9) | 5836 (98.8) |
| Farmer, n (%) | 5348 (90.8) | 5382 (91.1) | 5373 (91.0) |
| Primary Education or less, n (%) | 89 (1.5) | 102 (1.7) | 90 (1.5) |
| Body mass index, kg/m2, mean (SD) | 22.3 (2.8) | 22.3 (2.8) | 22.3 (2.9) |
| Gestational week at enrolment, mean (SD) | 12.1 (4.5) | 12.1 (4.5) | 12.1 (4.6) |
| Gestational week at delivery, mean (SD) | 39.6 (1.7) | 39.6 (1.7) | 39.6 (1.6) |
| Haemoglobin, g/L, mean (SD) | 124.4 (10.1) | 124.2 (10.2) | 124.6 (10.1) |
| Haemoglobin, n (%) |  |  |  |
| ≤ 132 g/L | 4801 (81.5) | 4859 (82.2) | 4801 (81.3) |
| 133–145 g/L | 931 (15.8) | 872 (14.8) | 904 (15.3) |
| >145 g/L | 160 (2.7) | 178 (3.0) | 199 (3.4) |
| Folic acid consumption in periconceptional period, n (%) | 1569 (26.6) | 1573 (26.6) | 1580 (26.8) |
| Preterm birth, n (%) | 351 (6.0) | 340 (5.8) | 306 (5.2) |

FA, folic acid; IFA, iron-folic acid; MMN, multiple micronutrients.

\* Data are expressed as number (percentage) of participants except where noted. Chi-square tests were used to examine statistical differences in categorical variables and analysis of variance to examine differences in means. P > 0.05 for all comparisons of characteristics.