|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Supplementary table 1. |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Maternal and infant characteristics related to 25(OH)D in pregnancy.** |  |  |  |  |  |  |  |
| Numbers are means (SD) and frequencies (%). |   |   |   |   |   |   |   |   |   |   |
|  | **25(OH)D GW15 (continuous)ᵃ** | **Consistently sufficientᵇ**  |  | **Decreasingᵇ**  |  | **Increasingᵇ**  |  | **Consistently deficientᵇ**  |
|  | n=705 | n=375 |  | n=60 |  | n=134 |  | n=103 |
|  | 98 % | 52 % |   | 8.3% |   | 19 % |   | 14 % |
|  | **Mean (SD)** | **n (%)** |  | **n (%)** |  | **n (%)** |  | **n (%)** |
| **Maternal characteristics**  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Pre-pregnancy maternal status** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Age years |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ≤30 years | 48 | (25) | 183 | (49) |  | 33 | (55) |  | 70 | (52) |  | 63 | (61) |
| >30 years | 53 | (29) | 192 | (51) |  | 27 | (45) |  | 64 | (48) |  | 40 | (39) |
| Parity |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Para 0 | 53 | (26) | 192 | (51) |  | 23 | (38) |  | 54 | (40) |  | 32 | (31) |
| Para 1 | 52 | (28) | 134 | (36) |  | 19 | (32) |  | 45 | (34) |  | 38 | (37) |
| Para ≥2 | 41 | (24) | 49 | (13) |  | 18 | (30) |  | 35 | (26) |  | 33 | (32) |
| Education levelc  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <10 years | 36 | (19) | 31 | (8.3) |  | 17 | (28) |  | 26 | (19) |  | 36 | (35) |
| 10-12 years | 46 | (26) | 126 | (34) |  | 27 | (45) |  | 67 | (50) |  | 44 | (43) |
| >12 years | 60 | (27) | 214 | (57) |  | 16 | (27) |  | 40 | (30) |  | 22 | (21) |
| Pre-pregnancy BMIc (kg/m2) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Normal weight (<25) | 51 | (27) | 232 | (62) |  | 37 | (62) |  | 81 | (60) |  | 62 | (60) |
| Overweight (≥25/<30) | 51 | (27) | 88 | (24) |  | 14 | (23) |  | 31 | (23) |  | 21 | (20) |
| Obesity (≥30) | 48 | (25) | 47 | (13) |  | 8 | (13) |  | 15 | (11) |  | 19 | (18) |
| Geographic origin |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Western Europe  | 67 | (24) | 273 | (73) |  | 24 | (40) |  | 23 | (17) |  | 3 | (2.9) |
| Asia | 36 | (20) | 65 | (17) |  | 21 | (35) |  | 66 | (49) |  | 56 | (54) |
| Middle East/North Africad | 35 | (19) | 37 | (9.9) |  | 15 | (25) |  | 45 | (34) |  | 44 | (43) |
| **Neonatal characteristics** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Neonate gender |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Boy | 52 | (27) | 193 | (52) |  | 32 | (53) |  | 61 | (46) |  | 42 | (41) |
| Girl | 48 | (27) | 171 | (46) |  | 27 | (45) |   | 66 | (49) |   | 60 | (58) |
| *Incomplete data on the variables because of missing values 25(OH)D at GW 15 for 14 womenᵃ, and*  |  |
| *for categories of 25(OH)D for 47 womenb.*  |  |  |  |  |  |  |  |  |  |  |  |
| *c Incomplete data on the variables because of missing values for 6-12 women.* |  |  |  |  |  |
| *d Including Horn of Africa.* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25(OH)D: 25-hydroxyvitamin D, GW: gestational week |  |  |  |  |  |  |  |  |  |
| Consistently sufficient: 25(OH)D ≥37 nmol/L at GW 15 and 28  |  |  |  |  |  |  |  |  |
| Decreasing: 25(OH)D ≥37 nmol/L at GW 15 and <37 at GW28 |  |  |  |  |  |  |  |  |
| Increasing: 25(OH)D <37 nmol/L at GW 15 and ≥37 at GW28 |  |  |  |  |  |  |  |  |
| Consistently deficient: 25(OH)D <37 nmol/L at GW 15 and 28  |  |  |  |  |  |  |  |  |  |