Supplemental material

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*BMJ Global Health*

**Supplemental Table.** Maternal characteristics, pregnancy complications and birth outcomes (small-, large-, and appropriate for gestational age) by BMI category (n=5611).

| | N | All | Underweight <18.5 kg/m² | Normal 18.5-24.9 kg/m² | Overweight 25-29.9 kg/m² | Obese ≥30 kg/m² |
|---|---|---|---|---|---|---|
| *Maternal demographics* | 5,611 | 5,611 | 919 (16.4%) | 4,120 (73.4%) | 479 (8.5%) | 93 (1.7%) |
| Median age (IQR); yrs | 5,611 | 24 (21, 28) | 23 (20, 26) | 24 (21, 28) | 27 (23, 30) | 29 (25, 31) |
| Refugees | 5,611 | 4,070 (72.5%) | 597 (65.0%) | 3,014 (73.2%) | 379 (79.1%) | 80 (86.0%) |
| Migrants | 5,611 | 1,541 (27.5%) | 322 (35.0%) | 1,106 (26.8%) | 100 (20.9%) | 13 (14.0%) |
| Ethnicity | 4,238 | | | | | |
|   Karen | | 3,049 | 450 (63.9%) | 2,304 (74.5%) | 252 (70.2%) | 43 (51.8%) |
|   Burman | | 702 | 170 (24.1%) | 481 (15.6%) | 40 (11.1%) | 11 (13.3%) |
|   Burmese Muslim | | 487 | 84 (11.9%) | 307 (9.9%) | 67 (18.7%) | 29 (34.9%) |
| Primigravida (G1P0) | 5,611 | 1,663 (29.6%) | 360 (39.2%) | 1,216 (29.5%) | 80 (16.7%) | 7 (7.5%) |
| Mean height (SD), cm | 5,611 | 151.2 (5.26) | 151.7 (5.32) | 151.1 (5.25) | 151.4 (5.08) | 151.4 (5.60) |
| Short (<153cm) | 5,611 | 3,398 (60.6%) | 545 (59.3%) | 2,511 (60.9%) | 289 (60.3%) | 53 (57.0%) |
| Mean GWG (SD); kg | 5,611 | 9.6 (3.8) | 10.5 (3.4) | 9.8 (3.7) | 7.6 (4.1) | 6.0 (4.8) |
| *Birth outcomes* | | | | | | |
| Median EGA (IQR); wks | 5,611 | 39.2 (38.5, 39.6) | 39.2 (38.4, 39.6) | 39.2 (38.5, 39.6) | 39.3 (38.5, 40.0) | 39.4 (38.6, 40.0) |
| Mean BW (SD); g | 5,611 | 3038.8 (375.3) | 2903.7 (358.1) | 3044.5 (366.3) | 3196.9 (381.4) | 3308.7 (401.7) |
| SGA IG-21 | 5,611 | 963 (17.2%) | 254 (27.6%) | 658 (16.0%) | 46 (9.6%) | 5 (5.4%) |
| SGA GROW | 5,611 | 460 (8.2%) | 100 (10.9%) | 309 (7.5%) | 42 (8.8%) | 9 (9.7%) |
| AGA IG-21 | 5,611 | 4,516 (80.5%) | 658 (71.6%) | 3,370 (81.8%) | 407 (85.0%) | 81 (87.1%) |
| AGA GROW | 5,611 | 4,882 (87.0%) | 787 (85.6%) | 3,605 (87.5%) | 412 (86.0%) | 78 (83.9%) |
| LGA IG-21 | 5,611 | 132 (2.4%) | 7 (0.8%) | 92 (2.2%) | 26 (5.4%) | 7 (7.5%) |
| LGA GROW | 5,611 | 269 (4.8%) | 32 (3.5%) | 206 (5.0%) | 25 (5.2%) | 6 (6.5%) |

Abbreviations: AGA appropriate for gestational age, G gravida, GROW Gestation Related Optimal Weight, IG-21 Intergrowth-21st, IQR interquartile range, LGA large for gestational age, P parity, SGA small for gestational age, SD standard deviation