**Note to layout artist: Please delete the repeated heading set on page 2, the table should just carry on without the headings being repeated at the top**

**Table III:** Birth outcomes and maternal morbidities overall and according to gestational body mass index at enrolment

| **Maternal gestational body mass index (kg/m2) at enrolment** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Birth outcome** | **Overall**  **% (n of total)**  **100 (1 058 of 1 058)** | **Underweight**  **(≥ 10.0 to ≤ 19.8)**  **% (n of total)**  **5.7 (60 of 1 058)** | **Normal weight**  **(≥ 19.8 to ≤ 26.1)**  **% (n of total)**  **44.2 (468 of 1 058)** | **Overweight**  **(≥ 26.1 to ≤ 29)**  **% (n of total)**  **17.1 (180 of 1 058)** | **Obese**  **(≥ 29 to ≤ 50)**  **% (n of total)**  **33 (350 of 1 058)** | **Test statistic** | **p-value** |
| **Delivery mode** | | | | | | | |
| Vaginal delivery | 75.5 (799) | 83.3 (50) | 81.4 (381) | 72.7 (131) | 67.7 (237) | X2 = 23.03 | < 0.001\* |
| Caesarean section | 24.5 (259) | 16.7 (10) | 18.6 (87) | 27.3 (49) | 32.3 (113) |
| **Maternal hospital stay** | | | | | | | |
| ≤ 1 day | 21.7 (230) | 16.7 (10) | 23.3 (109) | 23.9 (43) | 19.4 (68) | X2 = 15.06 | 0.022\* |
| 1 day | 31.6 (334) | 38.3 (23) | 37.2 (174) | 28.3 (51) | 24.6 (86) |
| ≥1 day | 46.7 (494) | 45 (27) | 39.5 (185) | 47.8 (86) | 56 (196) |
| **Baby staying for over 24 hours in the hospital** | | | | | | | |
| No | 42.7 (452) | 41.6 (25) | 48.5 (227) | 42.8 (77) | 35.1 (123) | X2 = 7.46 | 0.024\* |
| Yes | 57.3 (606) | 58.4 (35) | 51.5 (241) | 57.2 (103) | 64.9 (227) |
| **Babies staying for over 24 hours in the hospital: duration** | 52.3 (606) | 5.8 (35 of 606) | 39.8 (241 of 606) | 16.9 (103 of 606) | 37.5 (227 of 606) |  |  |
| ≤ 3 days | 47.7 (289)\*\* | 62.9 (22) | 51.5 (124) | 47.6 (49) | 41.4 (94) | F5,11 = 18.63\*\*\* | 0.001\* |
| ≥ 3 days, ≤ 2 weeks | 45.7 (277)\*\* | 34.3 (12) | 41.1 (99) | 45.6 (47) | 52.4 (119) |
| ≥ 2 weeks | 6.6 (40)\*\* | 2.8 (1) | 7.4 (18) | 6.8 (7) | 6.2 (14) |
| **Gestational period** | | | | | | | |
| Preterm | 28.7 (304) | 36.6 (22) | 28.6 (134) | 28.9 (52) | 27.4 (96) | X2 = 5.43 | 0.487 |
| Term | 56.6 (598) | 51.7 (31) | 58.2 (272) | 57.2 (103) | 54.9 (192) |
| Post-term | 14.7 (156) | 11.7 (7) | 13.2 (62) | 13.9 (25) | 17.7 (62) |
| **Mean current birthweight (2-7 days after birth) = 3.6 kg (± 0.74)** | | | | | | | |
| ***Birthweight z-scores*** | | | | | | | |
| Below - 2 SD | 7.1 (75)\*\* | 16.7 (10) | 7.5 (35) | 6.1 (11) | 5.4 (19) | F5,11 = 10.40 | 0.006\* |
| ≥ - 2 SD, ≤ + 2 SD | 90.5 (958)\*\* | 81.7 (49) | 89.9 (421) | 92.7 (167) | 91.7 (321) |
| Above + 2 SD | 2.4 (22)\*\* | 1.6 (1) | 2.6 (9) | 1.2 (2) | 2.9 (10) |
| **Mean length (2-7 days after birth) = 51.2 cm (± 3.12)** | | | | | | | |
| ***Birth length z-scores*** | | | | | | | |
| Below - 2 SD | 12.6 (134)\*\* | 23.3 (14) | 12.8 (60) | 11.7 (21) | 11.1 (39) | F5,11 = 9.89 | 0.007\* |
| ≥ - 2 SD, ≤ + 2 SD | 82.1 (869)\*\* | 70 (42) | 83.5 (391) | 83.9 (151) | 81.4 (285) |
| Above + 2 SD | 5.3 (52)\*\* | 6.7 (4) | 3.7 (14) | 4.4 (8) | 7.5 (26) |
| **Mean HC (2-7 days after birth) = 35.7 cm (± 2.01)** | | | | | | | |
| ***Birth HC z-score*** | | | | | | | |
| Below -2 SD | 7.3 (77)\*\* | 18.3 (11) | 7.7 (36) | 4.4 (8) | 6.3 (22) | F5,11 = 9.01 | 0.007\* |
| ≥-2 sd, ≤+2sd | 80.2 (849)\*\* | 73.3 (44) | 82.7 (387) | 84.4 (152) | 76 (266) |
| Above +2sd | 12.5 (129)\*\* | 8.4 (5) | 9.6 (42) | 11.2 (20) | 17.7 (62) |
| **Low birthweight** ≤ **2 500 g** | | | | | | | |
| No | 96.6 (1 022) | 96.7 (58) | 96.8 (453) | 93.3 (170) | 97.4 (341) | F4,7 = 7.08 | 0.07 |
| Yes | 3.4 (36) | 3.3 (2) | 3.2 (15) | 6.7 (10) | 2.6 (9) |
| **Macrosomic** ≥ **4 500 g** | | | | | | | |
| No | 91.5 (968) | 90 (54) | 91.5 (428) | 93.3 (168) | 90.9 (318) | X2 = 1.138 | 0.768 |
| Yes | 8.5 (90) | 10 (6) | 8.5 (40) | 6.7 (12) | 9.1 (32) |
| **Gestational diabetes** | | | | | | | |
| No | 97.8 (1028)\*\*\*\* | 100 (60) | 97.4 (456) | 97.8 (176) | 96 (336) | F4,7 = 9.44 | 0.048\* |
| Yes | 2.8 (30)\*\*\*\* | 0 (0) | 2.6 (12) | 2.2 (4) | 4 (14) |
| **Pregnancy-induced hypertension** | | | | | | | |
| No | 82.4 (872) | 83.3 (50) | 87.2 (408) | 81.1 (146) | 76.6 (268) | X2 = 15.83 | 0.001\* |
| Yes | 17.6 (186) | 16.7 (10) | 12.8 (60) | 18.9 (34) | 23.4 (82) |

F: Manova test statistic, HC: head circumference, SD: standard deviation, X2 = chi-square test statistic

\*: p-value < 0.05

\*\*: Significant difference between groups < - 2 standard deviation and > - 2 standard deviation and < + 2 standard deviation and groups > - 2 standard deviation and < + 2 standard deviation and > = 2 standard deviation

\*\*\*: Significant difference between underweight and normal gestational body mass index categories and underweight and obese gestational BMI categories

\*\*\*\*: Significant difference between developing gestational diabetes mellitus and not developing gestational diabetes mellitus