### Comparison of pregnancy and birth outcomes according to pre-pregnancy BMI categories using international and Asian classifications

| Sample proportion/average | International BMI category pre-pregnancy | Asian BMI category pre-pregnancy | Overall p value | Mean GWG (kg) | SD n | Mean birthweight (g) | SD n | Mean number of AN visits | SD n | Mean gestation at delivery (Weeks) | SD n | Inadequate weight gain | Int 297/529 (56.1%) | Asian 268/597 (50.7%) | p | Trimester 2 Haemoglobin <11.g/dL | 44/51 (8.6%) | 32/75 (4.2%) | p | Trimester 3 Haemoglobin <11.g/dL | 15/74 (21.3%) | 17/42 (39.6%) | p | Induction | 47/59 (8.9%) | 19/59 (3.2%) | p | Spontaneous vaginal delivery | 5/5 (100.0%) | 5/8 (62.5%) | p | Caesarean section | 9/59 (15.3%) | 3/5 (60.0%) | p | LBW <2.5kg | 7/59 (11.8%) | 3/5 (60.0%) | p | Macrosomia >4.0kg | 9/59 (15.3%) | 3/5 (60.0%) | p | SGA | 4/59 (6.8%) | 3/5 (60.0%) | p | LGA | 1/59 (1.7%) | 3/5 (60.0%) | p | Born <37 weeks | 7/59 (11.8%) | 3/5 (60.0%) | p | Born >42 weeks | 4/59 (6.8%) | 3/5 (60.0%) | p | Postpartum haemorrhage | 3/59 (5.1%) | 3/5 (60.0%) | p | Sutures excluding | 0/59 (0.0%) | 0/5 (0.0%) | p | Caesarean section | 0/59 (0.0%) | 0/5 (0.0%) | p | Initial feed at breast | 4/59 (6.8%) | 3/5 (60.0%) | p | Breastfeeding at discharge | 0/59 (0.0%) | 0/5 (0.0%) | p | Back pain | 1/59 (1.7%) | 3/5 (60.0%) | p | Baby admitted to intensive care unit | 9/59 (15.3%) | 3/5 (60.0%) | p |

| Sample proportion/average | 18.5-24.9 | 25.0-30.0 | p | Overall p value | 18.5-22.9 | 23.0-27.4 | p | Overall p value |

| 18.5-22.9 | 23.0-27.4 | p | Overall p value |

- Mean GWG (kg): 10.2 ± 5.0
- SD n: 544
- Mean birthweight (g): 3165 ± 402
- SD n: 107
- Mean number of AN visits (weeks): 10.0 ± 3.6
- SD n: 565
- Mean gestation at delivery (weeks): 39.3 ± 2.6
- SD n: 217
- Inadequate weight gain under 297/529 (56.1%): 40/50 (80.0%)
- Int 297/529 (56.1%): 27/50 (54.0%)
- Asian 268/597 (50.7%): 23/47 (48.9%)

- Chi square used for categorical data
- ANOVA used for continuous data
- LGA, large for gestational age
- AN, antenatal

### Notes
- **p<0.05**
- **p<0.01**
- **p<0.001**
- ± Kruskal - Wallis Test for continuous variables due to non-normality of distribution within each category
- § Exact test used where Chi square assumptions violated (expected count <5 in >20% of cells)

### Definitions
- BW: Birth weight
- AN: Antenatal
- LGA: Large for gestational age
- GWG: Gestational weight gain
- BMI: Body mass index

### Results
- Comparison of pregnancy and birth outcomes according to pre-pregnancy BMI categories using international and Asian classifications.