**Supplementary Table S1. The demography of non-attendees in the study**. 1Socio-economic deprivation category is based on postcode in the Midlothian, Scotland (Mcloone, 2004). a Chi-square test, b Student T-test. Bold text: p ≤ 0.05. 2 Prenatal z-anxiety and depressive symptoms were adopted from (Mina et al., 2015); prenatal z-anxiety symptoms scores = averaged z-scores of Hospital Anxiety and State Trait Anxiety Index questionnaires, whereas prenatal z-depressive symptoms scores = averaged z-scores of Hospital Depression and General Depression Scores questionnaires.

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| **The demography of non-attendees** | | **No consent (n= 241)** | **Consent present (n= 116)** | **p** |
| Maternal severe obesity status, n (%) | Lean | 73 (30.29) | 62 (53.45) | **<0.001a** |
| Severely obese | 168 (69.71) | 54 (46.55) |
| Socio-economic deprivation level, n (%)1 | Low, level 1-3 | 93 (40.61) | 70 (62.5) | **<0.001a** |
| High, level 4-7 | 136 (59.39) | 42 (37.5) |
| Prenatal anxiety symptoms2, mean (SD) | | 0.93 (0.04) | 0.86 (0.08) | **<0.001b** |
| Prenatal depressive symptoms2, mean (SD) | | 0.99 (0.07) | 0.72 (0.07) | **<0.001b** |