**Table S1: The *a priori* selected confounders used to adjust each exposure for the multivariable analyses**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Exposures** | ***A priori* selected confounders used** | | | | | | | | | | | |
| **Age** | **Ethnicity** | **IMD** | **BMI** | **Parity** | **Smoking** | **PAPP-A** | **cHTN** | **DM** | **gHTN** | **PE** | **GDM** |
| **Age** | (✓) | ✓ | ✓ |  | ✓ |  |  |  |  |  |  |  |
| **Ethnicity** |  | (✓) |  |  |  |  |  |  |  |  |  |  |
| **IMD** | ✓ | ✓ | (✓) |  | ✓ |  |  | ✓ | ✓ |  |  |  |
| **BMI** | ✓ | ✓ | ✓ | (✓) | ✓ | ✓ |  | ✓ | ✓ |  |  |  |
| **Parity** | ✓ | ✓ | ✓ | ✓ | (✓) | ✓ |  | ✓ | ✓ |  |  |  |
| **Smoking** | ✓ | ✓ | ✓ |  | ✓ | (✓) |  | ✓ | ✓ |  |  |  |
| **PAPP-A\*** | ✓ | ✓ |  | ✓ |  |  | (✓) |  |  |  |  |  |
| **cHTN** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | (✓) | ✓ |  |  |  |
| **DM** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | ✓ | (✓) |  |  |  |
| **gHTN** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | ✓ | ✓ | (✓) | ✓ | ✓ |
| **PE** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | ✓ | ✓ | ✓ | (✓) | ✓ |
| **GDM** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | ✓ | ✓ | ✓ | ✓ | (✓) |

(all exposures additionally adjusted for the implementation period and arm of the main trial; Age = maternal age at 12 weeks’; IMD = index of multiple deprivation quintile; BMI = body mass index; PAPP-A = pregnancy associated plasma protein A; cHTN = chronic hypertension; DM = pre-existing diabetes mellitus; gHTN = gestational hypertension; PE = pre-eclampsia; GDM = gestational diabetes mellitus; \*multivariable sensitivity analysis limited to sites with <50% missing data on PAPP-A)