### Supplementary file 1: Description of data fields used in the study

| Variable Name         | Database Source | Variable Description/Values                                                                 | Notes                                                                 |
|-----------------------|-----------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Mother_ID             | N/A - study     | Unique mother identifier                                                                     | 1516-0613/ followed by an anonymous identifier                        |
|                       | specific        |                                               |                                                                        |
| Baby_ID               | N/A - study     | Unique baby identifier                                                                       | Mother_ID followed by delivery sequence number followed by a baby sequence number. The baby sequence number for multiple babies from same delivery not necessarily in correct order due to missing CHI numbers. |
|                       | specific        |                                               |                                                                        |
| Delivery_Seq_No       | N/A - study     | Delivery sequence number of mother                                                             |                                                                       |
|                       | specific        |                                               |                                                                        |
| Gest_Diabetes         | SMR02           | 1: Yes, Gestational diabetes (diagnosed during this pregnancy) 0: Yes, Pre-existing diabetes (diagnosed before pregnancy) & No (no diabetes during this pregnancy) Missing: Yes, Time of diagnosis unknown & Not Known | [Link](http://www.ndc.scot.nhs.uk/Dictionary-A-Z/Definitions/index.asp?Search=D&ID=214&Title=Diabetes) |
| Pre_Eclampsia         | SMR02/SMR01     | 1: ICD 10 code O13.X 0: All other codes                                                      | Flagged codes cover pre-eclampsia                                      |
| Placental_Abruption   | SMR02/SMR01     | 1: ICD 10 code O45.X 0: All other codes                                                      | Flagged codes cover placental abruption                               |
| Placental_Praevia     | SMR02/SMR01     | 1: ICD 10 code O44.X 0: All other codes                                                      | Flagged codes cover placenta praevia                                  |
| Condition                  | SMR Code | Code 1 Description                                                                                      | Code 0 Description                                                                                     | Notes                                                                 |
|----------------------------|----------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Postpartum Haemorrhage     | SMR02/SMR01 | 1: ICD 10 code O72._                                                                                   | 0: All other codes                                                                                    | Flagged codes cover postpartum haemorrhage                             |
| Caesarean Delivery         | SMR02    | 1: Elective (planned) caesarean section & Emergency and unspecified caesarean section                   | 0: All other codes                                                                                    | [Link](http://www.ndc.scot.nhs.uk/Dictionary-A-Z/Definitions/index.asp?Search=M&ID=322&Title=Mode of Delivery - Babies 1 to 3) |
| Labour Induction           | SMR02    | 1: 1-8 - Induction of labour codes                                                                     | 0: None                                                                                               | [Link](http://www.ndc.scot.nhs.uk/Dictionary-A-Z/Definitions/index.asp?Search=I&ID=295&Title=Induction of Labour) |
| SGA                        | SMR02    | 1: Birthweight ≤ 10th percentile                                                                       | 0: Birthweight > 10th percentile                                                                      | Small for gestational age flag                                          |
| LGA                        | SMR02    | 1: Birthweight ≥ 90th percentile                                                                       | 0: Birthweight < 90th percentile                                                                      | Large for gestational age flag                                          |
| Preterm Delivery           | SMR02    | 1: Estimated gestation < 37 weeks                                                                      | 0: Estimated gestation ≥ 37 weeks and ≤ 42 weeks                                                       | [Link](http://www.ndc.scot.nhs.uk/Dictionary-A-Z/Definitions/index.asp?Search=E&ID=242&Title=Estimated Gestation) |
| Postterm Delivery          | SMR02    | 1: Estimated gestation > 42 weeks                                                                      | 0: Estimated gestation ≥ 37 weeks and ≤ 42 weeks                                                       | [Link](http://www.ndc.scot.nhs.uk/Dictionary-A-Z/Definitions/index.asp?Search=E&ID=242&Title=Estimated Gestation) |
| Apgar Score                | SMR02    | 1: Apgar score at 5 mins < 7                                                                           | 0: Apgar score at 5 mins ≥ 7                                                                         | [Link](http://www.ndc.scot.nhs.uk/Dictionary-A-Z/Definitions/index.asp?Search=A&ID=88&Title=Apgar Score - Babies 1 to 3) |
| Maternal Obesity           | SMR02    | 1: Obese status                                                                                         | 0: Overweight, Healthy or underweight status                                                           | Adults with BMI ≥ 30 classed as obese. BMI of girls aged 2 - 19 years old standardized using UK1990 growth reference values and z-score ≥ 6/3 (98th centile) classed as obese. |
| Variable                        | Source | Value | Description                                                                                                                                 |
|--------------------------------|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Maternal_Overweight_Obesity   | SMR02  | 1:    | Overweight or Obese status                                                                                                                     |
|                                |        | 0:    | Healthy or underweight status                                                                                                                   |
| Age                            | SMR02  |       | Age of mother at delivery (in years)                                                                                                             |
| Parity                         | SMR02  |       | Total number of previous pregnancies                                                                                                             |
| Deprivation                    | SMR02  |       | Carstairs 2001 quintiles for Scotland 1=least deprived; 5=most deprived                                                                        |
| Smoking_Status                 | SMR02  | 1:    | Yes                                                                                                                                        |
|                                |        | 0:    | No                                                                                                                                            |
|                                |        | Missing: | Not known                                                                                                                                   |
| Multiple_births                | SMR02  | 1:    | More than one birth this pregnancy                                                                                                             |
|                                |        | 0:    | Single birth                                                                                                                                  |
| Multiple_births_in_NRS         | NRS Births | 1: | Multiple babies found for this mother's delivery in NRS Births                                                                                  |
|                                |        |       | Multiple babies recorded in NRS Births but only a single baby recorded in SMR02                                                               |
| Previous_Caesarean_section     | SMR02  | 1:    | More than zero                                                                                                                               |
|                                |        | 0:    | Zero                                                                                                                                          |

Adults with BMI ≥ 25 classed as overweight or obese. BMI of girls aged 2 - 19 years old standardized using UK1990 growth reference values and z-score ≥ 4/3 (91st centile) classed as overweight or obese.