

Additional file 4: Pre-established list of potential confounders for each class of endpoints (version 1)

Class of endpoint	Major potential confounders	Sources
Pregnancy loss (spontaneous abortions, stillbirths...)	- History of pregnancy loss - SGA/IUGR/LBW - Assisted reproductive technology - Hypertensive disorders - Diabete - Maternal age - Lupus erythematosus - Placenta abruptio - Chromosomal and Genetic Abnormalities - Multiple gestation - BMI - Oligohydramnios - Renal disease	The American College of Obstetricians and Gynecologists (ACOG) 2018 The American College of Obstetricians and Gynecologists (ACOG) 2020 Flenady 2011
Congenital malformations	- History of congenital malformations - Diabete - BMI - Maternal age - Co-exposure to teratogens (alcohol, drugs) - Multiple gestation - Maternal pathology	Harris 2017
Anthropometric parameters (SGA/IUGR/LBW...) and preterm	- Multiple pregnancy - History of the outcome - Maternal age - Hypertensive disorders (chronic hypertension, pre-eclampsia and pregnancy-related hypertension) - Smoking - Parity - Alcohol - Use of illegal drugs - Socio-economic status - BMI - Assisted reproductive technology - History of elective termination of pregnancy	Sentilhes 2017 Di Renzo 2017 The American College of Obstetricians and Gynecologists (ACOG) 2019 The American College of Obstetricians and Gynecologists (ACOG) 2021 Vayssière 2015 Lausman 2013
Neuro-developmental disorders (ASD, ADHD, cognitive disorders, ...)	- Gender/sex - Ethnicity - Socioeconomic status / Maternal IQ	Cogley 2021 Cénat 2021 Cheng 2019

Class of endpoint	Major potential confounders	Sources
	- Genetic and familial factor - Brain anomaly - Maternal age - Hypertensive disorders (chronic hypertension, pre-eclampsia and pregnancy-related hypertension) - BMI (maternal overweight before or during pregnancy) - SGA, preterm (gestational age) - Paternal age	Kim 2019
Maternal consequences (pre-eclampsia, gestational diabetes, ...)	- History of the outcome - Family history of the outcome - Chronic pathology (hypertension, diabete, auto-immune disease...) - Maternal age - Parity - BMI - Multiple gestation	Teh 2011 Bartsch 2016 Giannakou 2019 NICE 2019

ASD: autism spectrum disorder; ADHD: attention deficit with or without hyperactivity disorder; BMI: body mass index; IQ: intellectual quotient; IUGR: intrauterine growth restriction; LBW: low birth weight; NICE: The National Institute for Health and Care Excellence; SGA: small for gestational age.

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Bartsch 2016 - Clinical risk factors for pre-eclampsia determined in early pregnancy: systematic review and meta-analysis of large cohort studies. British Medical Journal; 353:i1753.

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Cogley 2021 - A Systematic Review of the Risk Factors for Autism Spectrum Disorder in Children Born Preterm. Child Psychiatry & Human Development; 52:841-855.

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www.nice.org.uk/guidance/ng133.

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Teh 2011. Risk factors for gestational diabetes mellitus: Implications for the application of screening guidelines. *Australian and New Zealand Journal of Obstetrics and Gynaecology*; 51:26-30.

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