

openMetaAnalysis: Risk of bias

Table. Risk of bias for included studies. Based on the Cochrane's [QUIP](#) (PMID [23420236](#)) for prognostic factor studies.

Study	Subject selection	Subject attrition	Prognostic Factor Measurement	Outcome Measurement	Study Confounding	Statistical Analysis and Reporting
Ball, 2014 PMID: 25056260	Low risk (all mothers in the time period included)	Low risk as outcomes missing for < 2% of births (525 of 40,441)	Low risk	Low risk	High risk. Confounders included: • Parity • Maternal age Confounders did not include: • Smoking	Low risk. Used conditional logistic regression to control for maternal factors by matching siblings.
Hanley, 2017 PMID: 28178044	Low risk (all mothers in the time period included)	Low risk as outcomes missing for < 2% of births (178,709 of 183,442)	Low risk	Low risk	High risk. Confounders included: • Maternal age • Smoking Confounders did not include • Parity.	Low risk. Used conditional logistic regression to control for maternal factors by matching siblings.
Koullali, 2016 PMID: 27367283	Low risk (all mothers in the time period included)	Unclear risk (rate of missing values not known)	Low risk	Low risk	High risk. Confounders included: • Maternal age Confounders did not include: • Parity • Smoking	Low risk. Used conditional logistic regression to control for maternal factors by matching siblings.
Schachar, 2016 PMID: 27405702	Low risk (all mothers in the	Unclear risk (rate of	Low risk	Low risk	High risk. Confounders included:	Low risk. Used conditional logistic

	time period included)	missing values not known)			<ul style="list-style-type: none"> • Maternal age • Parity <p>Confounders did not include:</p> <ul style="list-style-type: none"> • Smoking 	regression to control for maternal factors by matching siblings.