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Table 1 Epidemiological studies on the safety of COVID-19 vaccination in pregnancy

From: SARS-CoV-2 infection and COVID-19 vaccination in pregnancy

Study	Number of participants vaccinated in pregnancy	Country	Approach	Outcomes examined	Impact of COVID-19 vaccination	Ref.
v-safe pregnancy registry	5,096	United States	Registry	Stillbirth, preterm birth (PTB), small for gestational age (SGA), neonatal death, congenital abnormalities	None detected	38
				PTB, SGA, neonatal intensive care unit (NICU) admission, neonatal death, congenital abnormalities	None detected	42
				Miscarriage	None detected	43
BORN Ontario	64,234	Canada	Registry	PTB, stillbirth, SGA	None detected	44
Stock et al., 2022	18,399	Scotland	Registry	PTB, perinatal death	None detected	8
Bookstein-Peretz et al., 2021	390	Israel	Registry	Miscarriage, PTB, SGA, NICU admission	None detected	41
Norwegian National Health Registries	1,003	Norway	Case- control	Miscarriage	None detected	47
Vaccine Safety Datalink	31,080	USA	Case- control	Stillbirth	None detected	45
				Miscarriage	None detected	46
			Cohort	PTB, SGA	None detected	48
Wainstock et al., 2021	913	Israel	Cohort	PTB, pre-eclampsia, SGA	None detected	49
Blakeway et al., 2021	140	England	Cohort	PTB, stillbirth, SGA, NICU admission, congenital abnormalities	None detected	51
Maccabi Healthcare Services	24,288	Israel	Cohort	Miscarriage, PTB, stillbirth, pre-eclampsia, SGA, SARS-CoV-2 infection	Reduced risk of SARS-CoV-2 infection	52
			Cohort	PTB, SGA, congenital abnormalities, death and hospitalization of infants up to 6 months old	None detected	50
Theiler et al., 2021	140	United States	Cohort	PTB, stillbirth, pre-eclampsia, SGA, NICU admission, SARS- CoV-2 infection Reduced risk of SARS-CoV-2 infection		53
UK Health Security Agency	58,165	United Kingdom	Cohort	PTB, stillbirth, SGA	None detected	54

Results from the 12 studies summarized show no increased risk of any poor obstetric outcome associated with COVID-19 vaccination. The total number of participants included in these studies is 185,309. This has been calculated as the sum of all participants, except for those in Blakeway et al. and Stock et al.⁸, who are also included in the UK Health Security Agency data and would otherwise be counted twice.

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