

Supplementary information

Table S1: Searching strategy in PubMed

Theme	Number	Searching terms
exposures	#1	"COVID-19" [Supplementary Concept, Mesh]
	#2	"2019 novel coronavirus disease"[Title/Abstract] OR "COVID19"[Title/Abstract] OR "covid 19 pandemic"[Title/Abstract] OR "sars cov 2 infection"[Title/Abstract] OR "covid 19 virus disease"[Title/Abstract] OR "2019 novel coronavirus infection"[Title/Abstract] OR "2019 ncov infection"[Title/Abstract] OR "coronavirus disease 2019"[Title/Abstract] OR "coronavirus disease 19"[Title/Abstract] OR "2019 ncov disease"[Title/Abstract] OR "covid 19 virus infection"[Title/Abstract]
outcomes	#3	"fertility"[MeSH Terms]
	#4	"Fecundability"[Title/Abstract] OR "Fecundity"[Title/Abstract] OR "differential fertility"[Title/Abstract] OR "fertility differential"[Title/Abstract] OR "fertility determinants"[Title/Abstract] OR "determinant fertility"[Title/Abstract] OR "determinants fertility"[Title/Abstract] OR "fertility determinant"[Title/Abstract] OR "Subfecundity"[Title/Abstract] OR "fertility preferences"[Title/Abstract] OR "fertility preference"[Title/Abstract] OR "preference fertility"[Title/Abstract] OR "preferences fertility"[Title/Abstract] OR "fertility below replacement"[Title/Abstract] OR "below replacement fertility"[Title/Abstract] OR ("Marital"[All Fields] AND "Fertility"[Title/Abstract]) OR "fertility marital"[Title/Abstract] OR "natural fertility"[Title/Abstract] OR "fertility natural"[Title/Abstract] OR "world fertility survey"[Title/Abstract] OR (("fertiles"[All Fields] OR "Fertility"[MeSH Terms] OR "Fertility"[All Fields] OR "fertile"[All Fields] OR "fertilities"[All Fields]) AND "survey world"[Title/Abstract]) OR (("fertiles"[All Fields] OR "Fertility"[MeSH Terms] OR "Fertility"[All Fields] OR "fertile"[All Fields] OR "fertilities"[All Fields]) AND "surveys world"[Title/Abstract]) OR ("survey s"[All Fields] OR "surveyed"[All Fields] OR "surveying"[All Fields] OR "surveys and questionnaires"[MeSH Terms] OR ("Surveys"[All Fields] AND "questionnaires"[All Fields]) OR "surveys and questionnaires"[All Fields] OR "Survey"[All Fields] OR "Surveys"[All Fields]) AND "world fertility"[Title/Abstract]) OR ("survey s"[All Fields] OR "surveyed"[All Fields] OR "surveying"[All Fields] OR "surveys

		<i>and questionnaires"[MeSH Terms] OR ("Surveys"[All Fields] AND "questionnaires"[All Fields]) OR "surveys and questionnaires"[All Fields] OR "Survey"[All Fields] OR "Surveys"[All Fields] AND "world fertility"[Title/Abstract]) OR "world fertility surveys"[Title/Abstract] OR "fertility incentives"[Title/Abstract] OR "fertility incentive"[Title/Abstract]</i>
population	#5	<i>"female"[MeSH Terms]</i>
	#6	<i>"Females"[Title/Abstract] OR "Female"[Title/Abstract]</i>
Search	#7	<i>(#1 OR #2) AND (#3 OR #4)AND(#5 OR #6)</i>

Table S2: Data extraction tool for the characteristics of the studies.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
title	primary author	year of publication	journal	study design	country/region	fund source	sample size	age	duration of follow-up	age	weight	height	race	comorbidities for COVID-19	diagnostic criteria	number of exposed subjects	duration of disease	severity	treatment	risk estimate between COVID-19 and female fertility	association between COVID-19 and female fertility	ovarian reserve function declines	uterine receptivity	oviducts status	menstrual status	