Appendix 3. Characteristics of cohort studies and registries included in the systematic review of maternal deaths associated with COVID-19 in pregnancy and postpartum

Stu	ay			Populatio	n	Exposure
Author, Year	Study Design	Country	No. of mothers with confirmed COVID	No. of maternal deaths	Inclusion and exclusion criteria	Diagnosis of COVID-19
Aabakke AJM 2021	Prospective cohort	Denmark Europe and Central Asia HIC	418 pregnant and postnatal women with confirmed COVID	0 maternal deaths	All pregnant women identified from the Danish National Patient Register	Mothers wern diagnosed with RT-PCT, antigen tests or serology.
Agarwal N, 2021	Prospective cohort	India South Asia LMIC	52 pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 admitted to a tertiary center of Agra in North India	Mothers wer diagnosed with RT-PCR
Agius A 2022	Retrospective Cohort	Malta  Middle East and North Africa  HIC	41 pregnant women with confirmed COVID	0 maternal death	All pregnant women with confirmed Covid-19 in the Maltese island	Method of COVID diagnosis is unknown
Ahmad Z 2022	Prospective cohort	Pakistan South Asia LMIC	106 pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 admitted at various Secondary and Tertiary Care Hospitals of the Armed Forces, Pakistan	Mothers wer diagnosed with RT-PCR
Akbar MIA, 2021	Prospective cohort	Indonesia East Asia and Pacific LMIC	62 pregnant women with confirmed COVID	6 maternal deaths 5 COVID-19 related deaths 1 pregnancy-related death	All pregnant women suspected of COVID-19 admitted to Universitas Airlangga Hospital	Mothers wer diagnosed with RT-PCR
Akbarian-Rad Z 2021	Retrospective cohort	Iran Middle East and North Africa LMIC	6 pregnant and postnatal women with confirmed COVID	0 maternal deaths	All pregnant women suspected of contracting COVID-19 admitted to Ayatollah Rohani Hospital, Babol, Iran	Mothers wer diagnosed with RT-PCR or radiologica suspicion.
Al-Matary A 2021	Retrospective cohort	Saudi Arabia Middle East and North Africa HIC	288 pregnant women with confirmed COVI	1 maternal death	All pregnant women with confirmed Covid-19 admitted to three hospitals in Riyadh city, Saudi Arabia	Mothers wer diagnosed with RT-PCR

Al-Qassem AK 2022	Retrospective cohort Registry	Qatar Middle East and North Africa HIC	799 pregnant women with confirmed COVID	0 maternal deaths	All women aged between 18 to 49 years of age and with confirmed COVID-19 by RT- PCR	Mothers were diagnosed with RT-PCR
Álvarez Bartolomé A 2022	Prospective cohort	Spain  Europe and Central Asia  HIC	1,347 pregnant women with confirmed COVID	2 maternal death	All pregnant women with confirmed Covid-19 admitted in hospitals registered in the Spanish Obstetric Emergency Group	Mothers were diagnosed with RT-PCR
Amorita NA 2021	Retrospective cohort	Indonesia  East Asia and Pacific  LMIC	62 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed COVID-19 admitted to Kasih Ibu Hospital, Surakarta	Mothers were diagnosed with RT-PCR.
Ansari A (1) 2020	Prospective cohort	Pakistan South Asia LMIC	41 pregnant and postnatal women with confirmed COVID	0 maternal deaths	All pregnant women admitted to Obstetrics Unit of Pak Emirates Military Hospital (PEMH) and Combined Military Hospital (CMH) Rawalpindi	Mothers were diagnosed with RT-PCR.
Antolin EM 2021	Prospective cohort Registry	Spain Europe and Central Asia HIC	1704 pregnant women with confirmed COVID	2 maternal deaths	All pregnant women with confirmed Covid-19 admitted to 79 hospitals in Spain	Mothers were diagnosed with RT-PCR.
Antsaklis P 2021	Retrospective cohort	Greece Europe and Central Asia HIC	40 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed COVID-19 admitted to Alexandra maternity hospital	Mothers were diagnosed with RT-PCR.
Añez MPC 2022	Retrospective cohort	Venezuela  Latin America and the Caribbean	30 pregnant women with confirmed COVID	6 maternal deaths	All pregnant women with suspected or confirmed COVID-19	Mothers were diagnosed with RT-PCR
Arakaki T, 2021	Retrospective cohort Registry	UMIC Japan  East Asia and Pacific  HIC	72 pregnant women with confirmed COVID	1 maternal death 1 COVID- 19 related death	All pregnant women with confirmed COVID-19 admitted to 1,418 institutions in	Mothers were diagnosed with RT-PCR.

Artymuk N	Retrospective	Russia	8485	12 maternal	All pregnant	Mothers wer
2021	cohort	Francis 1	pregnant	maternal	women with	diagnosed
	D111	Europe and	women	deaths	confirmed	with RT-PCR
	Registry	Central Asia	with		Covid-19	
			confirmed	12 COVID-	admitted to	
		UMIC	COVID	19-related	hospitals in the	
				deaths	Far Eastern	
					Federal District	
					and the Siberian	
					Federal District	
					of Russia	
Asalkar MR	Prospective	India	362	4 maternal	All women who	Mothers wer
2022	cohort	C. H.A.I.	pregnant	deaths	were diagnosed	diagnosed
		South Asia	women		to have COVID-	with RT-PCR
		11410	with		19 and cases	or rapid
		LMIC	confirmed		delivered after	antigen test
A-i- Abi C	Datassasstics	1	COVID	0 maternal	28 weeks	
Aziz-Ahari S 2021	Retrospective cohort	Iran	5 prognant	deaths	All pregnant women	
2021	COHOIT	Middle East	pregnant and	ueatiis	suspected of	
		and North	postnatal		COVID-19	
		Africa	women		admitted to	
		Allica	with		Imam Sajjad	
		LMIC	confirmed			
		LIVIIC	COVID		Hospital	
Babic I 2022	Retrospective	Saudi	209	0 maternal	All pregnant	Mothers wei
2001012022	cohort	Arabia	pregnant	deaths	women with	diagnosed
	COHOIC	Alabia	women	acatris	documented	with RT-PCF
	Registry	Middle East	with		PCR COVID-19	
		and North	confirmed		positive tests	
		Africa	COVID		,	
		HIC				
Bachani S 2020	Retrospective	India	57	3 maternal	All pregnant	Mothers wer
	cohort		pregnant	deaths	women with	diagnosed
		South Asia	women		confirmed	with RT-PCR
			with	3 COVID-	Covid-19	
		LMIC	confirmed	19-related	admitted to a	
			COVID	deaths	tertiary care	
					hospital in India	
BahaaEldin H	Retrospective	Egypt	408	10	All pregnant	Mothers we
2021	cohort		pregnant	maternal	women with	diagnosed
		Middle East	women	deaths	confirmed	with RT-PCF
	Registry	and North	with		Covid-19	
		Africa	confirmed	10 COVID-	admitted to	
			COVID	19-related	designated	
		LMIC		deaths	hospitals in	
					Egypt	
Baloch PG	Retrospective	Pakistan	72	0 maternal	All pregnant	Mothers we
2022	cohort	Cause Acti	pregnant	deaths	women with	diagnosed
		South Asia	women		confirmed	with RT-PC
		LNAIC	with		COVID-19	
		LMIC	confirmed			
Belokrinitskaya	Retrospective	Russia	27210	81	Dragnant	Mothers we
TE 2022	cohort	nussid		81 maternal	Pregnant women, women	diagnosed
16 2022	COHOIC	Europe and	pregnant women	deaths	in labour and	with RT-PCF
	Pagistry	central Asia		uedilis		WILLI NI-PU
	Registry	central Asia	with confirmed	81 COVID-	women who recently gave	
		UMIC	COVID	19 related	birth	
		OWIIC	COVID	deaths	Dirtii	
Benlghazi A	Retrospective	Morocco	16	0 maternal	All pregnant	Mothers we
2021	cohort		pregnant	deaths	women	diagnosed
		Middle East	and		admitted to the	with RT-PCF
		and North	postnatal		COVID-19	
		Africa	women		military field	
			with		hospital of	
			confirmed		Benslimane,	
		LMIC			Morocco	
			COVID			
Bhomia C 2022	Retrospective	LMIC	COVID 53	0 maternal	All pregnant	
Bhomia C 2022	Retrospective Cohort	India	COVID 53 pregnant	0 maternal death	All pregnant women with	diagnosed
Bhomia C 2022			53 pregnant women		All pregnant women with confirmed	diagnosed
Bhomia C 2022		India South Asia	53 pregnant women with		All pregnant women with confirmed Covid-19	diagnosed
Bhomia C 2022		India	53 pregnant women with confirmed		All pregnant women with confirmed Covid-19 admitted to D.	diagnosed
Bhomia C 2022		India South Asia	53 pregnant women with		All pregnant women with confirmed Covid-19 admitted to D. Y. Patil	diagnosed
Bhomia C 2022		India South Asia	53 pregnant women with confirmed		All pregnant women with confirmed Covid-19 admitted to D.	Mothers wer diagnosed with RT-PCR

Bircher C 2022	Retrospective Cohort	UK	429 pregnant	0 maternal death	All pregnant women with	Method of COVID
		Europe and	women		confirmed	diagnosis is
		Central Asia	with		Covid-19	unknown.
		HIC	confirmed COVID		referred to Norfolk and	
		THE	COVID		Norwich	
					University	
					Hospitals Trust	
					deployed a	
					exible maternity	
					virtual ward	
Brendolin N	Prospective	Brazil	1609	21	All pregnant	
2022	cohort		pregnant	maternal	women	
		Latin	women	deaths	evaluated for	
		America and the	with confirmed	18 COVID-	emergency care, for labour and	
		Caribbean	COVID	19 related	delivery, for	
		Caribbean	COVID	deaths	respiratory	
		UMIC			symptoms, for	
					obstetric or	
					medical reasons	
Borges	Retrospective	Portugal	630	0 maternal	All pregnant	Mothers wer
Charepe N	Cohort	_	pregnant	death	women with	diagnosed
2022		Europe and	women		confirmed	with RT-PCR
		Central Asia	with		Covid-19	
			confirmed		admitted in 23	
		HIC	COVID		Portuguese	
					maternity hospitals	
					nospitals	
Budhram S	Retrospective	South Africa	673	39	All pregnant	Mothers wer
2021	cohort		pregnant	maternal	women with	diagnosed
		Sub-	women	deaths	confirmed	with RT-PCR
		Saharan	with		Covid-19	
		Africa	confirmed	29 COVID-	admitted to 36	
			COVID	19-related	hospitals in	
		UMIC		deaths	South Africa	
				5		
				pregnancy-		
				related		
				deaths		
				1		
				unrelated		
0 1 1		11.25.4	256	death		
Cambou M 2022	Prospective cohort	United States and	256 pregnant	1 maternal death	Pregnant women above	Mothers wer diagnosed
2022	COHOIT	Brazil	women	death	16 years of age	with RT-PCF
		Didzii	with		with confirmed	With it i Ci
			******			
		Various	confirmed		COVID-19	
		Various	confirmed COVID			
		Various Various	COVID		COVID-19	
	Retrospective			0 maternal		
Carranza Lira S (1) 2022	Retrospective cohort	Various Mexico	COVID 53 pregnant	0 maternal deaths	COVID-19	
	cohort	Various Mexico Latin	53 pregnant women		All pregnant	
		Various Mexico Latin America	53 pregnant women with		All pregnant	
	cohort	Various Mexico Latin	53 pregnant women		All pregnant	
	cohort	Various  Mexico  Latin  America  and the  Caribbean	53 pregnant women with confirmed		All pregnant	
	cohort	Various Mexico Latin America and the	53 pregnant women with confirmed		All pregnant	Mothers wer
(1) 2022	cohort Registry	Various Mexico  Latin America and the Caribbean  UMIC  Venezuela	53 pregnant women with confirmed COVID	deaths  21 maternal	All pregnant women  All pregnant women with	diagnosed
(1) 2022  Carrion Nessi	cohort  Registry  Retrospective	Various  Mexico  Latin  America  and the  Caribbean  UMIC  Venezuela  Latin	53 pregnant women with confirmed COVID  80 pregnant women	deaths	All pregnant women  All pregnant women with confirmed	diagnosed
(1) 2022  Carrion Nessi	cohort  Registry  Retrospective	Various  Mexico  Latin  America  and the  Caribbean  UMIC  Venezuela  Latin  America	53 pregnant women with confirmed COVID  80 pregnant women with	deaths  21 maternal	All pregnant women  All pregnant women with confirmed COVID	diagnosed
Carrion Nessi	cohort  Registry  Retrospective	Various  Mexico  Latin America and the Caribbean  UMIC  Venezuela  Latin America and the	53 pregnant women with confirmed COVID  80 pregnant women with confirmed	deaths  21 maternal	All pregnant women  All pregnant women with confirmed COVID hospitalised in	diagnosed
(1) 2022  Carrion Nessi	cohort  Registry  Retrospective	Various  Mexico  Latin  America  and the  Caribbean  UMIC  Venezuela  Latin  America	53 pregnant women with confirmed COVID  80 pregnant women with	deaths  21 maternal	All pregnant women  All pregnant women with confirmed COVID hospitalised in two sentinel	diagnosed
Carrion Nessi FS 2022	cohort  Registry  Retrospective cohort	Various  Mexico  Latin America and the Caribbean  UMIC  Venezuela  Latin America and the Caribbean  UMIC	53 pregnant women with confirmed COVID  80 pregnant women with confirmed COVID	21 maternal deaths	All pregnant women  All pregnant women with confirmed COVID hospitalised in	diagnosed with RT-PCF
Carrion Nessi FS 2022	cohort Registry Retrospective cohort	Various  Mexico  Latin America and the Caribbean  UMIC  Venezuela  Latin America and the Caribbean	53 pregnant women with confirmed COVID  80 pregnant women with confirmed COVID	21 maternal deaths	All pregnant women  All pregnant women with confirmed COVID hospitalised in two sentinel	diagnosed with RT-PCF
(1) 2022  Carrion Nessi FS 2022	cohort  Registry  Retrospective cohort	Various  Mexico  Latin America and the Caribbean  UMIC  Venezuela  Latin America and the Caribbean  UMIC  Iran	53 pregnant women with confirmed COVID  80 pregnant women with confirmed COVID	21 maternal deaths	All pregnant women  All pregnant women with confirmed COVID hospitalised in two sentinel	diagnosed with RT-PCR Mothers wer diagnosed
(1) 2022  Carrion Nessi FS 2022  Chaichian S	cohort Registry Retrospective cohort	Various  Mexico  Latin America and the Caribbean  UMIC  Venezuela  Latin America and the Caribbean  UMIC  Iran  Middle East	53 pregnant women with confirmed COVID  80 pregnant women with confirmed COVID	21 maternal deaths	All pregnant women  All pregnant women with confirmed COVID hospitalised in two sentinel	diagnosed with RT-PCR Mothers wer diagnosed
(1) 2022  Carrion Nessi FS 2022  Chaichian S	cohort Registry Retrospective cohort	Various  Mexico  Latin America and the Caribbean  UMIC  Venezuela  Latin America and the Caribbean  UMIC  Iran  Middle East and North	53 pregnant women with confirmed COVID  80 pregnant women with confirmed COVID	21 maternal deaths	All pregnant women  All pregnant women with confirmed COVID hospitalised in two sentinel	with RT-PCR
Carrion Nessi FS 2022	cohort Registry Retrospective cohort	Various  Mexico  Latin America and the Caribbean  UMIC  Venezuela  Latin America and the Caribbean  UMIC  Iran  Middle East	53 pregnant women with confirmed COVID  80 pregnant women with confirmed COVID	21 maternal deaths	All pregnant women  All pregnant women with confirmed COVID hospitalised in two sentinel	diagnosed with RT-PCR Mothers wer diagnosed

Chapuma CIJ 2022						
2022	Retrospective	Malawi	246	47	All pregnant	Method of
	Cohort		pregnant	maternal	women with	COVID
		Sub-	women	death	confirmed	diagnosis is
		Saharan	with		Covid-19	unknown
		Africa	confirmed		admitted at 33	
			COVID		health facilities	
		LIC			across all region in Malawi	
Chigateri S	Prospective	India	118	2 maternal	All pregnant	Mothers wer
2022	cohort		pregnant	deaths	women with	diagnosed
		South Asia	women		confirmed covid-	with RT-PCR
	Registry		with	2 COVID-	19	or rapid
		LMIC	confirmed	19 related		antigen test
			COVID	deaths		
Choudary A	Retrospective	India	249	4 maternal	All pregnant	Mothers wer
2022	cohort		pregnant	deaths	women with	diagnosed
	Registry	South Asia	women with	4 COVID-	confirmed covid- 19 admitted to	with RT-PCF or rapid
	Registry	LMIC	confirmed	19 related	the hospital	antigen test
		Liviic	COVID	deaths	the hospital	untigen tesi
Chung Y 2021	Retrospective	Republic of	19	0 maternal	All pregnant	Mothers wer
g	Cohort	Korea	pregnant	deaths	women with	diagnosed
			women		confirmed	with RT-PCR
	Registry	East Asia	with		COVID-19 from	
		and Pacific	confirmed		the Korea	
			COVID		Disease Control	
		HIC			and Prevention	
					Agency database	
Clemente MJQ,	Retrospective	Philippines	196	4 maternal	All pregnant	Mothers wer
2021	cohort	_	pregnant	deaths	women with	diagnosed
		East Asia	women		confirmed	with RT-PCF
		and Pacific	with	1 COVID-	COVID-19	or suspecte
		1.0416	confirmed	19 related	admitted to the	radiology.
		LMIC	COVID	death	Philippine	
				2	General Hospital	
				unrelated		
				deaths		
Cunha CMP	Ambispective	Brazil	611	27	All pregnant or	Mothers wei
2022	cohort	Diden	pregnant	maternal	postpartum	diagnosed
LULL	COHOIT	Latin	women	deaths	women with	with RT-PCF
		America	with		confirmed	
		and the	confirmed		COVID-19	
			601/10		admitted to one	
		Caribbean	COVID			
		Caribbean	COVID		of the	
		Caribbean	COVID		of the institutions	
			COVID		of the institutions included in the	
Dava A 2021	Prospective	UMIC		12	of the institutions included in the study	Mothers we
Dave A 2021	Prospective		197	12 maternal	of the institutions included in the study All pregnant	
Dave A 2021	Prospective cohort	UMIC	197 pregnant	maternal	of the institutions included in the study  All pregnant women with	diagnosed
Dave A 2021		UMIC	197 pregnant women		of the institutions included in the study  All pregnant women with confirmed	diagnosed with RT-PCI
Dave A 2021		UMIC India South Asia	197 pregnant women with	maternal	of the institutions included in the study  All pregnant women with confirmed Covid-19	diagnosed with RT-PCI and rapid
Dave A 2021		UMIC	197 pregnant women	maternal	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to	diagnosed with RT-PCI and rapid
Dave A 2021		UMIC India South Asia	197 pregnant women with confirmed	maternal	of the institutions included in the study  All pregnant women with confirmed Covid-19	diagnosed with RT-PCI and rapid
Dave A 2021		UMIC India South Asia	197 pregnant women with confirmed	maternal	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja	diagnosed with RT-PCI and rapid
Dave A 2021		UMIC India South Asia	197 pregnant women with confirmed	maternal	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao	diagnosed with RT-PCI and rapid
	cohort	UMIC  India  South Asia  LMIC	197 pregnant women with confirmed COVID	maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh	diagnosed with RT-PCF and rapid antigen tes
Dave A 2021  Datta S 2021	cohort	UMIC India South Asia	197 pregnant women with confirmed COVID	maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant	diagnosed with RT-PCI and rapid antigen tes
	cohort	UMIC  India  South Asia  LMIC	197 pregnant women with confirmed COVID	maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with	diagnosed with RT-PCI and rapid antigen tes Mothers wer diagnosed
	cohort	UMIC  India  South Asia  LMIC	197 pregnant women with confirmed COVID	maternal deaths	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed	diagnosed with RT-PCI and rapid antigen tes Mothers wer diagnosed
	cohort	India South Asia LMIC India South Asia	197 pregnant women with confirmed COVID  20 pregnant and postnatal	maternal deaths	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19	diagnosed with RT-PCI and rapid antigen tes Mothers wer diagnosed
	cohort	UMIC  India  South Asia  LMIC	197 pregnant women with confirmed COVID  20 pregnant and postnatal women	maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19 admitted to SKN	diagnosed with RT-PCI and rapid antigen tes Mothers wer diagnosed
	cohort	India South Asia LMIC India South Asia	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with	maternal deaths	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19 admitted to SKN Medical College,	diagnosed with RT-PCI and rapid antigen tes Mothers wer diagnosed
	cohort	India South Asia LMIC India South Asia	197 pregnant women with confirmed COVID  20 pregnant and postnatal women	maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19 admitted to SKN	diagnosed with RT-PCI and rapid antigen tes Mothers wer diagnosed
	cohort	India South Asia LMIC India South Asia	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed	maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune,	diagnosed with RT-PCI and rapid antigen tes Mothers wer diagnosed
	cohort	India South Asia LMIC India South Asia	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed	maternal deaths	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra,	diagnosed with RT-PCI and rapid antigen tes Mothers wei diagnosed with RT-PCF
Datta S 2021	cohort  Retrospective cohort	India South Asia LMIC India South Asia LMIC	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID	maternal deaths 0 maternal deaths	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India	diagnosed with RT-PCI and rapid antigen tes Mothers we diagnosed with RT-PCI
Datta S 2021  Decenti EC	Retrospective cohort  Prospective	India South Asia LMIC India South Asia LMIC	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID	maternal deaths  0 maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India Unvaccinated	diagnosed with RT-PCI and rapid antigen tes  Mothers wei diagnosed with RT-PCI
Datta S 2021  Decenti EC	Retrospective cohort  Prospective	India South Asia LMIC India South Asia LMIC Italy	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant	maternal deaths  0 maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India Unvaccinated pregnant	diagnosed with RT-PCI and rapid antigen tes  Mothers wei diagnosed with RT-PCI
Datta S 2021  Decenti EC	Retrospective cohort  Prospective	India South Asia LMIC India South Asia LMIC Italy Europe and Central Asia	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant women with confirmed	maternal deaths  0 maternal deaths	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India  Unvaccinated pregnant women with previous or current	diagnosed with RT-PCI and rapid antigen tes  Mothers wei diagnosed with RT-PCI
Datta S 2021  Decenti EC	Retrospective cohort  Prospective	India South Asia LMIC India South Asia LMIC Italy Europe and	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant women with women with	maternal deaths  0 maternal deaths	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India Unvaccinated pregnant women with previous or current confirmed covid-	diagnosed with RT-PCI and rapid antigen tes  Mothers wei diagnosed with RT-PCI
Datta S 2021  Decenti EC	Retrospective cohort  Prospective	India South Asia LMIC India South Asia LMIC Italy Europe and Central Asia	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant women with confirmed	maternal deaths  0 maternal deaths	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India  Unvaccinated pregnant women with previous or current confirmed covid-19 admitted to SKN	diagnosed with RT-PCI and rapid antigen tes  Mothers wei diagnosed with RT-PCI
Datta S 2021  Decenti EC 2022	Retrospective cohort  Prospective cohort	India South Asia LMIC India South Asia LMIC Italy Europe and Central Asia HIC	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant women with confirmed COVID	0 maternal deaths  1 maternal death	of the institutions included in the study  All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh  All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India  Unvaccinated pregnant women with previous or current confirmed covid-19 admitted to 19 admitted to the hospital	diagnosed with RT-PCI and rapid antigen tes  Mothers wei diagnosed with RT-PCI Mothers wei diagnosed with RT-PCI
Datta S 2021  Decenti EC 2022	Retrospective cohort  Prospective cohort  Retrospective	India South Asia LMIC India South Asia LMIC Italy Europe and Central Asia	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant women with confirmed COVID	0 maternal deaths  1 maternal death	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India Unvaccinated pregnant women with previous or current confirmed covid-19 admitted to the hospital	diagnosed with RT-PCI and rapid antigen tes  Mothers were diagnosed with RT-PCI
Datta S 2021  Decenti EC 2022	Retrospective cohort  Prospective cohort	India South Asia LMIC  India South Asia LMIC  Italy Europe and Central Asia HIC	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant women with confirmed COVID	0 maternal deaths  1 maternal death  1 maternal death	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India Unvaccinated pregnant women with previous or current confirmed covid-19 admitted to the hospital All pregnant women with	diagnosed with RT-PCI and rapid antigen tes  Mothers wei diagnosed with RT-PCI  Mothers wei diagnosed with RT-PCI
Datta S 2021  Decenti EC	Retrospective cohort  Prospective cohort  Retrospective	India South Asia LMIC  India South Asia LMIC  Italy Europe and Central Asia HIC  Turkey Europe and	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant women with confirmed COVID	0 maternal deaths  1 maternal death	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India Unvaccinated pregnant women with previous or current confirmed covid-19 admitted to the hospital All pregnant women with confirmed covid-19 admitted to the hospital All pregnant women with confirmed covifirmed	diagnosed with RT-PCF and rapid antigen test  Mothers wei diagnosed with RT-PCF  Mothers wei diagnosed with RT-PCF
Datta S 2021  Decenti EC 2022	Retrospective cohort  Prospective cohort  Retrospective	India South Asia LMIC  India South Asia LMIC  Italy Europe and Central Asia HIC	197 pregnant women with confirmed COVID  20 pregnant and postnatal women with confirmed COVID  1086 pregnant women with confirmed COVID	0 maternal deaths  1 maternal death  1 maternal death	of the institutions included in the study All pregnant women with confirmed Covid-19 admitted to Maharaja Tukojirao Hospital, Indore, Madhya Pradesh All pregnant women with confirmed COVID-19 admitted to SKN Medical College, Pune, Maharashtra, India Unvaccinated pregnant women with previous or current confirmed covid-19 admitted to the hospital All pregnant women with	Mothers wer diagnosed with RT-PCR

Dingom MAN 2020	Prospective cohort	Cameroon Sub-	25 pregnant women	0 maternal deaths	All pregnant women with confirmed	Mothers were diagnosed with RT-PCR
		Saharan Africa LMIC	with confirmed COVID		Covid-19 admitted to Yaounde Central Hospital	or a rapid diagnostic test.
Doke G 2022	Retrospective	India	144	3 maternal	All pregnant	Mothers were
	cohort	South Asia	pregnant women	deahts	women with confirmed covid	diagnosed with RT-PCR
	Registry	LMIC	with confirmed COVID	3 COVID- 19 related deaths	admitted	or rapid antigen test
Dollinger S	Retrospective	Israel	193	0 maternal	All pregnant	Mothers were
2022	cohort	Middle East	pregnant women	deaths	women with confirmed covid	diagnosed with RT-PCR
	Registry	and North Africa	with		admitted for hospitalization	
		HIC	COVID		or quarantined due to exposure to covid-19	
Donati S 2021	Prospective cohort	Italy	3306 pregnant	1 maternal death	All pregnant women with	Mothers were diagnosed
		Europe and	women		confirmed	with RT-PCR
	Registry	Central Asia	with	1 COVID-	Covid-19	serology or
		HIC	confirmed COVID	19-related death	admitted to 315 Italian maternity hospitals	radiological suspicion.
Elsmore A	Prospective	UK	55	1 maternal	All pregnant	Mothers wer
2022	cohort		pregnant	death	women with	diagnosed
		Europe and	women		confirmed	with RT-PCR
		Central Asia	with		Covid-19	
			confirmed		admitted at the	
		HIC	COVID		University	
					Hospitals Birmingham	
Emekar SM	Retrospective	India	8841	5 maternal	All pregnant	Mothers wer
2022	cohort	South Asia	pregnant women	deaths	women with confirmed covid-	diagnosed with RT-PCR
	Registry	5041171514	with		19 who were	
	,	LMIC	confirmed COVID		hospitalised	
Engjom HM	Prospective	UK	1561	3 maternal	All pregnant	Mothers wer
2022	cohort	Europe and	pregnant	death	women with	diagnosed
		Central Asia	women		confirmed	with RT-PCR
		HIC	with		Covid-19	
			confirmed COVID		admitted to 194 hospitals in the UK	
Estrada-	Retrospective	Peru	322	2 maternal	All pregnant	Mothers wer
Chiroque LM	cohort		pregnant	deaths	women at 20 or	diagnosed
2022		Latin	women		more gestational	with RT-PCR
	Registry	America	with		weeks with	
		and the Caribbean	confirmed covid		confirmed covid	
		UMIC				
Fakhar S 2021	Retrospective	Pakistan	46	1 maternal	All pregnant	Method of
	cohort	South Asia	pregnant women	death	women with confirmed	COVID diagnosis is
		Journ Asia	with	1 COVID-	Covid-19	unknown.
		LMIC	confirmed	19-related	admitted to a	OWII.
			COVID	death	tertiary facility in Pakistan.	
		_			All pregnant	Mothers wer
Favre G (1)	Prospective	Various	1964	7 maternal		
Favre G (1) 2022	Prospective cohort		pregnant	/ maternal deaths	women with	diagnosed
	cohort	Various Various	pregnant women		women with confirmed covid-	with RT-PCF
	-		pregnant women with confirmed		women with	with RT-PCF or rapid
2022 Ferreira RBS	cohort	Various	pregnant women with	deaths	women with confirmed covid-	with RT-PCF or rapid
2022	cohort Registry	Various Various Brazil	pregnant women with confirmed COVID 4773 pregnant	deaths  247  maternal	women with confirmed covid- 19  All pregnant women with	with RT-PCF or rapid
2022 Ferreira RBS	Registry  Retrospective cohort	Various Various Brazil Latin	pregnant women with confirmed COVID 4773 pregnant women	deaths	women with confirmed covid- 19  All pregnant women with confirmed covid-	with RT-PCF or rapid
2022 Ferreira RBS	cohort  Registry  Retrospective	Various Various Brazil Latin America	pregnant women with confirmed COVID 4773 pregnant women with	247 maternal deaths	women with confirmed covid-19  All pregnant women with confirmed covid-19 who were	with RT-PCF or rapid
2022 Ferreira RBS	Registry  Retrospective cohort	Various Various Brazil Latin America and the	pregnant women with confirmed COVID 4773 pregnant women with confirmed	247 maternal deaths	women with confirmed covid- 19  All pregnant women with confirmed covid-	with RT-PCF or rapid
2022 Ferreira RBS	Registry  Retrospective cohort	Various Various Brazil Latin America	pregnant women with confirmed COVID 4773 pregnant women with	247 maternal deaths 247 COVID-19	women with confirmed covid-19  All pregnant women with confirmed covid-19 who were	with RT-PCR
2022 Ferreira RBS	Registry  Retrospective cohort	Various Various Brazil Latin America and the	pregnant women with confirmed COVID 4773 pregnant women with confirmed	247 maternal deaths	women with confirmed covid-19  All pregnant women with confirmed covid-19 who were	with RT-PCF or rapid

Filho MCB 2022	Retrospective cohort	Brazil	828 pregnant	79 maternal	All pregnant and postpartum	
		Latin	women	deaths	women with	
	Registry	America	with		confirmed covid-	
		and the	confirmed		19	
		Caribbean	COVID			
		UMIC				
Flannery DD	Prospective	USA	209	0 maternal	All pregnant	Mothers were
2022	cohort	81	pregnant	deaths	women with confirmed covid-	diagnosed
	Dogistor	North	women		19	with RT-PCR.
	Registry	America	with confirmed		19	
		HIC	COVID			
Furrukh R 2021	Prospective	Pakistan	47	2 maternal	All pregnant	Mothers were
	cohort	· anistan	pregnant	deaths	women with	diagnosed
		South Asia	women		confirmed covid-	with RT-PCR.
			with		19 admitted to	
		LMIC	confirmed		the isolation	
			COVID		wind	
Gargari S 2022	Prospective	Iran	158	7 maternal	All pregnant	Mothers were
	cohort		pregnant	deaths	women with	diagnosed
		Middle East	women		confirmed covid-	with RT-PCR.
	Registry	and North	with	7 COVID-	19	
		Africa	confirmed	19 related		
		1840	COVID	deaths		
Coldont P'	Droop+!:	LMIC	3272	1 mat	Dronant	Mothors
Goldenberg RL 2022	Prospective cohort	Various	3272 pregnant	1 maternal death	Prenant women who delivered at	Mothers were diagnosed
2022	COHOIT	Various	women	ueatii	20 weeks of	with antibody
	Registry	various	with		gestation or	tests
	Registry	LMIC	confirmed		more and had	tests
		Liviic	COVID		confirmed covid-	
					19	
Goyal R 2022	Retrospective	India	91	10	All pregnant	Mothers were
	cohort		pregnant	maternal	women who	diagnosed
		South Asia	women	deaths	were admitted	with RT-PCR.
			with		to the hospital	
		LMIC	confirmed		during the	
			covid		second wave of	
					covid-19	
Grados IZ 2021	Determention	Peru	317	1 maternal	epidemic	Method of
Grau05 12 2021	Retrospective cohort	Peru	pregnant	death	All pregnant women with	COVID
	COHOIT	Latin	women	acatii	confirmed	diagnosis is
		America	with	1 COVID-	Covid-19	unknown.
		and the	confirmed	19-related	admitted to	
		Caribbean	COVID	death	Daniel Alcides	
					Carrion National	
		UMIC			Hospital, Callao,	
					Peru	
Grgic G 2022	Retrospective	Bosnia and	61	0 maternal	All hospitalised	Mothers were
	cohort	Herzegovina	pregnant	deaths	pregnant	diagnosed
			women		women	with RT-PCR.
		Europe and	with			
		Central Asia	confirmed			
		UMIC	COVID			
Ghosh M, 2022	Retrospective	India	53	0	All pregnant	Mothers were
GIIOSII IVI, 2022	Cohort	South Asia	pregnant	maternal	women with	diagnosed
	Conort	LMIC	women	death	confirmed	with RT-PCR.
		20	with	aca	Covid-19	
			confirmed		admitted at Tata	
			COVID		Main tertiary	
					Hospital,	
					Jamshedpur,	
					India	
Gomes IIT	Potrocessis:-	Drosil	277	6 maternal	Prognant	Motherswer
Gomez UT 2022	Retrospective cohort	Brazil	377 pregnant	6 maternai deaths	Pregnant women	Mothers were diagnosed
-022	COHOIC	Latin	women	acatiis	admitted to HC	with RT-PCR
	Registry	America	with	6 COVID-	due to covid-19	or antigen
	0.50.7	and the	confirmed	19 related	who delivered in	tests
		Caribbean	COVID	deaths	both hospitals	
					•	
		UMIC				

Goyal LD 2022	Prospective	India	21	0 maternal	All pregnant	
	cohort		pregnant	deaths	women enlisted	
		South Asia	women		in the study area	
	Registry	LNAIC	with		before the	
		LMIC	confirmed COVID		lockdown	
Guleroglu FY	Retrospective	Turkey	445	5 maternal	All pregnant	
2022	cohort		pregnant	deaths	women with	
		Europe and	women		confirmed covid-	
		Central Asia	with		19 referred to	
		118.416	confirmed		the tertiary care	
Gupta P 2021	Potrocnoctivo	UMIC India	COVID 108	1 maternal	centre	Mothors word
Gupta P 2021	Retrospective cohort	iliula	pregnant	death	All pregnant women with	Mothers were diagnosed
	COHOIC	South Asia	women	death	confirmed	with RT-PCR.
		30dtii Asid	with	1	Covid-19	with it i cit.
		LMIC	confirmed	unrelated	admitted to Shri	
			COVID	death	Maharaja Gulab	
					Singh maternity	
					hospital in	
					Jammu and	
					Kashmir, India	
Hall M 2022	Retrospective	Austria	118	1 maternal	All pregnant	Mothers were
	Cohort	Europe and	pregnant	death	women with	diagnosed
		Central Asia HIC	women with		confirmed Covid-19	with RT-PCR.
		THE	confirmed		admitted at	
			COVID		Clinic Ottakring	
					<b>.</b>	
Hamidi OP	Retrospective	USA	441	0 maternal	All pregnant	Mothers were
2022	cohort	North	pregnant	death	women with confirmed	diagnosed with RT-PCR.
		America	women with		Confirmed Covid-19	WITH RI-PCR.
		America	confirmed		COVIG-15	
		HIC	COVID			
Hazari K 2020	Retrospective	UAE	79	1 maternal	All pregnant	Mothers were
	cohort		pregnant	death	women with	diagnosed
		Middle East	women		confirmed	with RT-PCR.
		and North	with	1 COVID-	Covid-19	
		Africa	confirmed	19-related	admitted to	
		HIC	COVID	death	Latifa Hospital in Dubai	
Hodzic J 2021	Retrospective	Bosnia and	24	0 maternal	All pregnant	Mothers were
	Cohort	Herzegovina	pregnant	deaths	women with	diagnosed
			women		confirmed	with RT-PCR.
		Europe and	with		Covid-19	
		Central Asia	confirmed		admitted to the	
			COVID		Cantonal	
Hojo-Souza	Retrospective	UMIC Brazil	9537	1065	Hospital, Zenica All pregnant	Method of
2022	Cohort	Latin	pregnant	maternal	women with	COVID
	Control	America &	women	death	confirmed	diagnosis is
		the	with		Covid-19	unknown.
		Caribbean	confirmed		collected from	
		Caribbean UMIC	confirmed COVID		collected from the Influenza	
					the Influenza Epidemiological	
					the Influenza	
					the Influenza Epidemiological Surveillance Information	
					the Influenza Epidemiological Surveillance Information System (SIVEP-	
					the Influenza Epidemiological Surveillance Information	
Hossain I 2020	Retrospective	UMIC		2 maternal	the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil	Method of
Hossain I 2020	Retrospective cohort		COVID	2 maternal deaths	the Influenza Epidemiological Surveillance Information System (SIVEP-	Method of COVID
Hossain I 2020		UMIC	COVID 30		the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant	COVID
Hossain I 2020		UMIC  Bangladesh  South Asia	COVID  30 pregnant		the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with	
Hossain I 2020		UMIC Bangladesh	30 pregnant women with confirmed		the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to	COVID diagnosis is
Hossain I 2020		UMIC  Bangladesh  South Asia	30 pregnant women with		the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical	COVID diagnosis is
Hossain I 2020		UMIC  Bangladesh  South Asia	30 pregnant women with confirmed		the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and	COVID diagnosis is
Hossain I 2020		UMIC  Bangladesh  South Asia	30 pregnant women with confirmed		the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and Hospital, Dhaka,	COVID diagnosis is
	cohort	Bangladesh South Asia LMIC	30 pregnant women with confirmed COVID	deaths	the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and Hospital, Dhaka, Bangladesh	COVID diagnosis is unknown.
Hosseini MS	cohort	UMIC  Bangladesh  South Asia	30 pregnant women with confirmed COVID	deaths 2 maternal	the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and Hospital, Dhaka, Bangladesh All pregnant	COVID diagnosis is unknown.
	cohort	Bangladesh South Asia LMIC	30 pregnant women with confirmed COVID	deaths	the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and Hospital, Dhaka, Bangladesh All pregnant women with	COVID diagnosis is unknown. Mothers wer diagnosed
Hosseini MS	cohort	Bangladesh South Asia LMIC	30 pregnant women with confirmed COVID	deaths  2 maternal deaths	the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and Hospital, Dhaka, Bangladesh All pregnant	COVID diagnosis is unknown. Mothers wer diagnosed
Hosseini MS	cohort	Bangladesh South Asia LMIC	30 pregnant women with confirmed COVID	deaths 2 maternal	the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and Hospital, Dhaka, Bangladesh All pregnant women with	COVID diagnosis is unknown. Mothers wer diagnosed
	cohort	Bangladesh South Asia LMIC  Iran  Middle East and North	30 pregnant women with confirmed COVID  42 pregnant women with	2 maternal deaths 1 COVID-	the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and Hospital, Dhaka, Bangladesh All pregnant women with confirmed Covid-19	COVID diagnosis is unknown.
Hosseini MS	cohort	Bangladesh South Asia LMIC  Iran  Middle East and North	30 pregnant women with confirmed COVID  42 pregnant women with confirmed	2 maternal deaths 1 COVID- 19-related	the Influenza Epidemiological Surveillance Information System (SIVEP- Gripe in Brazil  All pregnant women with confirmed Covid-19 admitted to Mugda Medical College and Hospital, Dhaka, Bangladesh All pregnant women with confirmed Covid-19 admitted to the	COVID diagnosis is unknown.

Ibrahim AA 2022	Retrospective cohort	Egypt	75 pregnant	3 maternal deaths	All pregnant women with	Mothers were diagnosed
	CONTON	Middle East	women	GCGG13	confirmed covid-	with RT-PCR.
	Registry	and North	with	3 COVID-	19	
		Africa	confirmed	19 related		
		1840	COVID	deaths		
Ioscovich A,	Dracpactiva	LMIC	165	1 maternal	All prognant	Mothers wer
2021	Prospective cohort	Spain, Israel, and	pregnant	death	All pregnant women with	diagnosed
2021	COHOTE	Portugal	women	acath	confirmed	with RT-PCR
			with		Covid-19	
		Various	confirmed		admitted to	
		Regions	COVID		three 8 medical	
					centres in three	
		HIC			European	
					countries (Spain, Israel	
					and Portugal)	
Jarraya A 2022	Prospective	Tunisia	129	13	Unvaccinated	Mothers wer
	cohort		pregnant	maternal	pregnant	diagnosed
		Middle East	women	deaths	women	with RT-PCR
		and North	with		hospitalised for	
		Africa	confirmed COVID		delivery and gave birth while	
		LMIC	COVID		infected with	
		2			covid-19	
Joshi SD 2020	Prospective	India	133	1 maternal	All pregnant	Mothers wer
	cohort		pregnant	death	women with	diagnosed
		South Asia	women	4.00:	confirmed	with RT-PCR
		LMIC	with confirmed	1 COVID- 19-related	Covid-19	
		LIVIIC	COVID	death	admitted to health centers	
			COVID	acath	and private	
					hospitals in	
					Bellary,	
					Karnataka India	
Kamali A 2021	Prospective	Iran	13	0 maternal	All pregnant	Mothers wer
	Cohort	Middle East	pregnant and	deaths	women with confirmed	diagnosed with RT-PCR
		and North	postnatal		Covid-19	Within Ten
		Africa	women		admitted to	
			with		Taleghani and	
		LMIC	confirmed		Qods Hospitals	
Kaur P 2021	Prospective	India	COVID 30	1 maternal	All pregnant	Mothers wer
Radi F 2021	cohort	iliula	pregnant	death	women with	diagnosed
		South Asia	women		confirmed	with RT-PCR
			with	1 COVID-	Covid-19	
		LMIC	confirmed	19-related	admitted to	
			COVID	death	Fortis Hospital,	
					Shalimar Bagh, India	
Kayem G, 2020	Prospective	France	597	1 maternal	All pregnant	Mothers wer
. , 3, 2020	cohort		pregnant	death	women with	diagnosed
		Europe and	women		COVID-19	with RT-PCR
		Central Asia	with	1 COVID-	admitted to 33	
		LUIC .	confirmed	19-related	French	
Khan N 2021	Retrospective	HIC Pakistan	COVID 121	death 2 maternal	maternity units  All pregnant	Mothers wor
MIGH IN ZUZI	cohort	ranistali	pregnant	deaths	women with	Mothers wer diagnosed
	55.1011	South Asia	women	acatiis	confirmed	with RT-PCR
			with		Covid-19	
		LMIC	confirmed		admitted to	
			COVID		Mardan and	
					Combined	
					Military Hospital in Pakistan	
Khoiwal K 2021	Prospective	India	60	1 maternal	All pregnant	
- <del>-</del>	Cohort	South Asia	pregnant	deaths	women with	
		LMIC	women		confirmed	
			with		Covid-19	
			confirmed		admitted at	
			COVID		tertiary care	
					center at AIIMS	
					Richikes	
					Rishikes, Rishikesh	
					Rishikes, Rishikesh uttarakhand	

Khoiwal K 2022	Prospective	India	42	7 maternal	All pregnant	Mothers were
	cohort	South Asia	pregnant	deaths	women with confirmed	diagnosed
	Registry	South Asia	women with	7 COVID-	Confirmed Covid-19	with RT-PCR.
	,	LMIC	confirmed	19 related		
			COVID	deaths		
Kilic O 2022	Retrospective	Turkey	30	0 maternal	All women with	Mothers were
	cohort	Europe and	pregnant women	deaths	confirmed covid- 19 admitted to	diagnosed with RT-PCR.
		Central Asia	with		the hospital	WICH INT-I CIV.
			confirmed			
		UMIC	COVID			
Kinci OS 2022	Retrospective	Turkey	46	2 maternal	All pregnant	Mothers were
	cohort	Europe and	pregnant women	deaths	women with confirmed covid-	diagnosed with RT-PCR.
		Central Asia	with	2 COVID-	19	with it i cit.
			confirmed	19 related		
		UMIC	COVID	deaths		
Kumari A 2022	Retrospective cohort	India	201 pregnant	2 maternal deaths	All pregnant women coming	Mothers were diagnosed wit
2022	COHOIC	South Asia	women	ucatiis	to labour to the	RT-PCR.
	Registry		with	2 COVID-	hospital with	
		LMIC	confirmed	19 related	confirmed covid-	
V A A A I I	Datassastics	la da a a sia	COVID	deaths	19	
Kusuma AANJ 2022	Retrospective cohort	Indonesia	70 pregnant	9 maternal deaths	All pregnant women with	
<b></b>	55.1011	East Asia	women	acatilis	confirmed covid-	
		and Pacific	with		19	
		,	confirmed			
Leung C (1)	Retrospective	LMIC Brazil	7461	702	All pregnant	Mothers were
2022	cohort	DIdZII	pregnant	maternal	women with	diagnosed
-0	2011011	Latin	women	deaths	confirmed covid-	with RT-PCR.
	Registry	America	with		19 who were	
		and the	confirmed	687	hospitalised	
		Caribbean	COVID	COVID-19 related	between 15 and 45 years of age	
		UMIC		deaths	45 years or age	
				15		
				unrelated		
Leung C (2)	Retrospective	Brazil	9389	deaths 1071	All pregnant	Mothers were
2022	cohort	D. G.L.	pregnant	maternal	women with	diagnosed
		Latin	women	deaths	confirmed covid-	with RT-PCR.
	Registry	America	with		19 who were	
		and the Caribbean	confirmed COVID		hospitalised between 15 and	
		Caribbean	COVID		45 years of age	
		UMIC				
Li Q 2021	Retrospective	China	138	1 maternal	All pregnant	Mothers were
	cohort	Fact Acia	pregnant	death	women with	diagnosed
	Registry	East Asia and Pacific	women with		confirmed COVID-19	with RT-PCR.
	riegisti y	and r deme	confirmed		admitted to	
		UMIC	COVID		designated	
					hospitals in	
Lucovnik M	Prospective	Slovenia	193	1 maternal	mainland China	Mothers were
Lucovnik M 2021	Prospective cohort	Slovenia Europe and	193 pregnant	1 maternal deaths	All pregnant women with	diagnosed
	2011011	Central Asia	women	acatiis	confirmed	with RT-PCR.
		HIC	with		Covid-19	
			confirmed		admitted at a	
Mahajan NN	Patrospostivo	India	COVID	47	hospital All pregnant and	
(1) 2022	Retrospective cohort	India	2058 pregnant	47 maternal	postpartum	
\-/	55.1011	South Asia	women	deaths	women with	
	Registry		with		confirmed covid-	
		LMIC	confirmed		19	
Mahaian NN	Patrochostins	India	COVID 1530	20	All program	Mothed of
Mahajan NN (5) 2021	Retrospective cohort	India	1530 pregnant	30 maternal	All pregnant women with	Method of COVID
(5, 2021	CONTON	South Asia	women	deaths	confirmed	diagnosis is
			with		Covid-19	unknown.
		LMIC	confirmed	28 COVID-	admitted to BYL	
			COVID	19-related	Nair Charitable	
				deaths	Hospital,	
				deaths		
				2	Mumbai, India	

Mahato RD 2022 Manasova G	Prospective cohort  Registry  Prospective	Nepal South Asia LMIC Ukraine	74 pregnant women with confirmed COVID	1 maternal death  1 COVID- 19 related death  0 maternal	All pregnant women with confirmed covid- 19 admitted in the antenatal ward All pregnant	Mothers were diagnosed with RT-PCR
2021	cohort	Europe and Central Asia LMIC	pregnant women with confirmed COVID	deaths	women with confirmed Covid-19 admitted Maternity Hospital No. 2 of the Odessa city and Odessa region in Ukriane	diagnosed with RT-PCR
Maraqa B 2021	Retrospective cohort	Palestine  Middle East and North Africa  LMIC	pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 admitted to hospitals in Palestine	Mothers were diagnosed with RT-PCR.
Marwah M, 2022	Retrospective Cohort	UK Europe and Central Asia HIC	111 pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 admitted at a single centre medical health trust in the UK	Mothers were diagnosed with RT-PCR.
Mattar CNZ 2020	Prospective cohort	Singapore East Asia and Pacific HIC	16 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19 admitted to 4 tertiary hospitals	Mothers were diagnosed with RT-PCR.
Maukayeva S 2022	Retrospective Cohort	Kazakhstan Europe and Central Asia UMIC	20 pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 admitted at Semey Infectious Diseases Hospital (East Kazakhstan)	Mothers were diagnosed with RT-PCR.
McCreary EK 2022	Retrospective Cohort Registry	USA North America HIC	944 pregnant women with confirmed COVID	1 maternal death 1 COVID- 19 related death	Pregnant women aged 12 years of age or older with any documented positive SARS- CoV-2 test	Mothers were diagnosed with RT-PCR or antigen test
Mercedes BR 2020	Retrospective cohort	Dominican Republic Latin America and the Caribbean UMIC	154 pregnant women with confirmed COVID	2 maternal deaths	All pregnant women with confirmed Covid-19 admitted to a tertiary hospital in Domingo, Dominican Republic	Mothers were diagnosed with RT-PCR or IgM/IgG serology.
Mishra S 2022	Prospective cohort	India South Asia LMIC	144 pregnant women with confirmed COVID	13 maternal death	All women with confirmed covid- 19	
Mitra S 2022	Retrospective cohort Registry	India South Asia LMIC	201 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed covid- 19	

trospective cohort  trospective cohort  Registry  rospective cohort  trospective cohort  trospective cohort  trospective cohort	Iran Middle East and North Africa LMIC India South Asia LMIC Chile Latin America and the Caribbean HIC Tunisia Middle East and North Africa LMIC Iran Middle East and North Africa LMIC Iran South Asia LMIC	263 pregnant women with confirmed COVID  189 pregnant women with confirmed COVID  72 pregnant women with confirmed COVID  11 pregnant women with confirmed COVID  54 pregnant women with confirmed COVID  54 pregnant women with confirmed COVID  260 pregnant women with women with confirmed COVID	3 maternal deaths  4 maternal deaths  4 COVID-19 related deaths  0 maternal deaths  0 maternal deaths  4 maternal deaths	All pregnant women with confirmed Covid-19 admitted to 154 health centres in Tehran province, Iran  All pregnant women who delivered in the same tertiary centre during both waves  All pregnant women with confirmed Covid-19 admitted to the EI-Pino Hospital  All pregnant women with confirmed Covid-19 admitted to Mohamed Tlatli hospital.  All pregnant women with confirmed Covid-19 admitted to Mohamed Tlatli hospital.  All pregnant women with confirmed Covid-19 admitted to Razi Hospital, Iran  Antenatal patients with	Mothers wer diagnosed with RT-PCR  Mothers wer diagnosed with RT-PCR  Mothers wer diagnosed with RT-PCR  Method of COVID diagnosis is unknown.  Method of COVID diagnosis with RT-PCR
cohort Registry ospective cohort  trospective cohort  trospective cohort  trospective cohort	South Asia  LMIC  Chile  Latin America and the Caribbean  HIC  Tunisia  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC Iran  South Asia	pregnant women with confirmed COVID  72 pregnant women with confirmed COVID  11 pregnant women with confirmed COVID  54 pregnant women with confirmed COVID  54 pregnant women with confirmed COVID	deaths  4 COVID- 19 related deaths  0 maternal deaths  0 maternal deaths  4 maternal deaths	All pregnant women who delivered in the same tertiary centre during both waves All pregnant women with confirmed Covid-19 admitted to the El-Pino Hospital  All pregnant women with confirmed Covid-19 admitted to Mohamed Tlatli hospital.  All pregnant women with confirmed Covid-19 admitted to Mohamed Tlatli hospital.  All pregnant women with confirmed Covid-19 admitted to Razi Hospital, Iran  Antenatal patients with	Mothers wer diagnosed with RT-PCR.  Mothers wer diagnosed with RT-PCR.  Method of COVID diagnosis is unknown.  Method of COVID diagnosis is unknown.
trospective cohort trospective cohort trospective cohort	LMIC  Chile  Latin America and the Caribbean  HIC  Tunisia  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  India  South Asia	with confirmed COVID 72 pregnant women with confirmed COVID 11 pregnant women with confirmed COVID 54 pregnant women with confirmed COVID 54 pregnant women with confirmed COVID	19 related deaths  0 maternal deaths  0 maternal deaths  4 maternal deaths	same tertiary centre during both waves  All pregnant women with confirmed Covid-19 admitted to the El-Pino Hospital  All pregnant women with confirmed Covid-19 admitted to Mohamed Tlatli hospital.  All pregnant women with confirmed Covid-19 admitted to Razi Hospital, Iran  Antenatal patients with	Mothers wer diagnosed with RT-PCR.  Method of COVID diagnosis is unknown.  Method of COVID diagnosis is unknown.
trospective cohort trospective cohort	Latin America and the Caribbean HIC Tunisia Middle East and North Africa LMIC Iran Middle East and North Africa LMIC India South Asia	72 pregnant women with confirmed COVID  11 pregnant women with confirmed COVID  54 pregnant women with confirmed COVID  260 pregnant women	O maternal deaths  O maternal deaths  4 maternal deaths	All pregnant women with confirmed Covid-19 admitted to the El-Pino Hospital  All pregnant women with confirmed Covid-19 admitted to Mohamed Tlatli hospital.  All pregnant women with confirmed Covid-19 admitted to Razi Hospital, Iran  Antenatal patients with	diagnosed with RT-PCR  Method of COVID diagnosis is unknown.  Method of COVID diagnosis is unknown.
trospective cohort	America and the Caribbean HIC Tunisia Middle East and North Africa LMIC Iran Middle East and North Africa LMIC Iran Control Middle East and North Africa LMIC India South Asia	with confirmed COVID  11 pregnant women with confirmed COVID  54 pregnant women with confirmed COVID  54 pregnant women with confirmed COVID	4 maternal deaths	Covid-19 admitted to the El-Pino Hospital  All pregnant women with confirmed Covid-19 admitted to Mohamed Tlatli hospital.  All pregnant women with confirmed Covid-19 admitted to Razi Hospital, Iran  Antenatal patients with	Method of COVID diagnosis is unknown.  Method of COVID diagnosis is unknown.
trospective cohort	Tunisia  Middle East and North Africa  LMIC Iran  Middle East and North Africa  LMIC India	pregnant women with confirmed COVID  54 pregnant women with confirmed COVID  260 pregnant women	4 maternal deaths	women with confirmed Covid-19 admitted to Mohamed Tlatli hospital. All pregnant women with confirmed Covid-19 admitted to Razi Hospital, Iran  Antenatal patients with	COVID diagnosis is unknown.  Method of COVID diagnosis is unknown.
trospective cohort	Middle East and North Africa LMIC Iran Middle East and North Africa LMIC India	pregnant women with confirmed COVID  54 pregnant women with confirmed COVID  260 pregnant women	4 maternal deaths	women with confirmed Covid-19 admitted to Mohamed Tlatli hospital. All pregnant women with confirmed Covid-19 admitted to Razi Hospital, Iran  Antenatal patients with	COVID diagnosis is unknown.  Method of COVID diagnosis is unknown.
trospective cohort	Iran Middle East and North Africa LMIC India South Asia	pregnant women with confirmed COVID  260 pregnant women	deaths  14  maternal	All pregnant women with confirmed Covid-19 admitted to Razi Hospital, Iran Antenatal patients with	COVID diagnosis is unknown.
trospective cohort	Middle East and North Africa LMIC India	pregnant women with confirmed COVID  260 pregnant women	deaths  14  maternal	women with confirmed Covid-19 admitted to Razi Hospital, Iran  Antenatal patients with	COVID diagnosis is unknown.
cohort	India South Asia	pregnant women	maternal	patients with	
cohort		pregnant women	maternal	patients with	
		confirmed COVID	14 COVID- 19 related	confirmed covid- 19 admitted in COVID-19 level 3 hospital	diagnosed with RT-PCR
rospective cohort	India South Asia LMIC	33 pregnant women with confirmed COVID	deaths 1 maternal deaths	All pregnant women with confirmed Covid-19 admitted to Teerthankar Mahaveer Medical College & Research Centre	Mothers wer diagnosed with RT-PCR
trospective cohort Registry	India South Asia LMIC	62 pregnant women with confirmed	0 maternal deaths	All pregnant women with confirmed covid- 19 admitted for delivery	
ospective cohort	India South Asia	162 pregnant women	1 maternal death	All pregnant women with confirmed	Mothers wer diagnosed with RT-PCR
	LMIC	with confirmed COVID		Covid-19 admitted to KIMS hospital, Bhubaneswar in	
rospective cohort Registry	Netherlands  Europe and Central Asia	4634 pregnant women with	1 maternal death	All pregnant women with confirmed Covid-19 in the	Mothers wer diagnosed with RT-PCR
	HIC	confirmed COVID	19-related death	Netherlands	
ospective	South Africa Sub-	138 pregnant women with	1 maternal death 1 COVID-	All pregnant women with confirmed Covid-19	
F	cohort	ospective Netherlands cohort Europe and degistry Central Asia HIC ospective South Africa cohort	Despective Confirmed COVID  Despective Cohort Europe and Elegistry Central Asia with Confirmed HIC COVID  Despective South Africa pregnant Sub-Saharan with Confirmed Women Cohort Sub-Saharan with	Despective Netherlands COVID  Despective Netherlands COVID  Despective Covide COVID  Despective South Africa COVID  Despective COVID  Despe	LMIC COVID admitted to KIMS hospital, Bhubaneswar in Odisha, India odish

Omrani AS 2020 Ozsurmeli M 2021	Retrospective cohort Registry Retrospective cohort	Qatar Middle East and North Africa HIC  Turkey Europe and Central Asia	26 pregnant women with confirmed COVID  24 pregnant women with	1 maternal death  1 covid-	All pregnant women with confirmed Covid-19 registered on the Hamad Medical Corporation Covid-19 database All pregnant women with confirmed Covid-19 admitted to two	Mothers were diagnosed with RT-PCR.  Mothers were diagnosed with RT-PCR.
Paudyal P 2022	Prospective cohort	UMIC Nepal South Asia LIC	confirmed COVID 47 pregnant women with confirmed COVID	19-related death 0 maternal death	admitted to two hospitals in Istanbul  All pregnant women with confirmed Covid-19 admitted in a tertiary care center in Nepal	Mothers were diagnosed with RT-PCR
Pecks U 2020	Prospective cohort Registry	Germany Europe and Central Asia HIC	pregnant women with confirmed COVID	1 maternal death 1 COVID- 19-related death	All pregnant women with confirmed COVID-19 admitted to 98 clinics in Germany	Mothers were diagnosed with RT-PCR or clinical or radiological suspicion.
Peepal P 2022	Retrospective Cohort	India South Asia LMIC	92 pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 admitted at a tertiary care hospitalin Odisha, India	Mothers were diagnosed with RT-PCR.
Peter B (1), 2022	Retrospective Cohort	USA North America HIC	34 pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 admitted to two public hospitals in Chicago, USA	Mothers were diagnosed with RT-PCR.
Pineles BL 2022	Retrospective Cohort Registry	USA North America HIC	2251 pregnant women with confirmed COVID	24 maternal deaths 24 COVID- 19-related deaths	All pregnant women with confirmed covid- 19 between 14 and 45 years of age admitted to acute care hospitals	
Qudsieh S 2022	Retrospective Cohort	Jordan Middle East and North Africa LIC	pregnant women with confirmed COVID	5 maternal deaths 5 COVID- 19-related deaths	All pregnant women with confirmed Covid-19	
Rahmadhini DA 2022	Retrospective Cohort Registry	Indonesia  East Asia and Pacific  LMIC	620 pregnant women with confirmed COVID	1 maternal death 1 COVID- 19 related death	All pregnant women with confirmed Covid-19	Mothers were diagnosed with RT-PCR or rapid test
Remaeus K 2020	Retrospective cohort	Sweden  Europe and Central Asia  HIC	67 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19 admitted to hospitals in Stockholm	Mothers were diagnosed with RT-PCR.

Rottenstreich A 2020	Prospective cohort	Israel Middle East and North Africa HIC	52 pregnant and postnatal women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19 admitted to seven university affiliated hospitals in Israel	Mothers were diagnosed with RT-PCR.
Rozo N 2021	Prospective cohort Registry	Latin America and the Caribbean UMIC	5614 pregnant women with confirmed COVID	54 maternal deaths	All pregnant women with confirmed Covid-19 admitted to hospitals in Colombia ( national disease surveillance data)	Mothers were diagnosed with RT-PCR or rapid antigen test.
Saadia Z 2021	Prospective cohort	Pakistan South Asia LMIC	48 pregnant women with confirmed COVID	2 maternal deaths	All pregnant women with confirmed Covid-19 admitted to Sir Ganga Ram Hospital, Lahore, Pakistan	Mothers were diagnosed with RT-PCR.
Sadiq H 2021	Prospective cohort	Pakistan South Asia LMIC	16 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19 admitted to KRL Hospital, Islamabad	Mothers were diagnosed with RT-PCR.
Sahin D 2021	Prospective cohort	Turkey  Europe and Central Asia  UMIC	1416 pregnant women with confirmed COVID	6 maternal deaths 6 COVID- 19-related deaths	All pregnant women with confirmed Covid-19 admitted to Ankara City Hospital	Mothers were diagnosed with RT-PCR.
Sahin D, 2022	Prospective cohort	Turkey Europe and Central Asia UMIC	1935 pregnant women with confirmed COVID	21 maternal death	All pregnant women with confirmed Covid-19 admitted at, Ankara city hospital in Turkey	Mothers were diagnosed with RT-PCR.
Saimin J 2021	Retrospective Cohort	Indonesia East Asia and Pacific LMIC	41 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19 admitted to referral hospitals in Southeast Sulawesi, Regional Hospital of Bau- Bau and Bahteramas Hospital	Mothers were diagnosed with RT-PCR.
Salvatore MA 2022	Prospective cohort Registry	Italy Europe and Central Asia HIC	975 pregnant women with confirmed COVID	1 maternal death 1 COVID- 19 related death	Pregnant women with current or previous confirmed covid- 19 and admitted to the hospital for birth	Mothers were diagnosed with RT-PCR.
Samadi P 2021	Prospective cohort	Iran Middle East and North Africa LMIC	258 pregnant women with confirmed COVID	8 maternal deaths	All pregnant women with confirmed Covid-19 admitted to Forghani Hospital in Qom, Iran.	Mothers were diagnosed with RT-PCR.

Santhosh J						
2020	Retrospective cohort	Oman	60 pregnant	0 maternal deaths	All pregnant and postpartum	Mothers were
		Middle East	and		women with	with RT-PCR.
		and North Africa	postnatal women		confirmed Covid-19	
		Allica	with		admitted to The	
		HIC	confirmed		Royal Hospital,	
			COVID		Muscat, Oman	
Sarmadi S 2022	Retrospective	Iran	38	1 maternal	All pregnant	Mothers were
	cohort		pregnant	death	women with	diagnosed
	Danista.	Middle East	and	1.60\//D	confirmed	with RT-PCR
	Registry	and North Africa	postnatal women	1 COVID- 19 related	Covid-19	
		Airica	with	death		
		LMIC	confirmed			
			COVID			
Sayeed SK	Prospective	Bangladesh	68	2 maternal	All pregnant	Mothers wer
2021	cohort	C = 4 h . 4 = 1 =	pregnant	deaths	women with	diagnosed
		South Asia	women with	2 COVID-	confirmed Covid-19	with RT-PCR
		LMIC	confirmed	19-related	admitted to	
		211.10	COVID	deaths	Dhaka Medical	
					College Hospital,	
					Bangladesh	
Secara DC 2022	Retrospective	Romania	184	3 maternal	All pregnant	Mothers wer
	cohort		pregnant	deaths	women with	diagnosed
		Europe and Central Asia	women with	3 COVID-	confirmed Covid-19	with RT-PCR
		Central Asia	confirmed	19 related	COVIG-19	
		HIC	COVID	deaths		
Sero L 2022	Retrospective	Turkey	327	11	All pregnant	Mothers wer
	cohort		pregnant	maternal	women with	diagnosed
		Europe and	women	deaths	confirmed	with RT-PCR
		Central Asia	with		Covid-19	
		LINAIC	confirmed			
Shah PT 2020	Prospective	UMIC	COVID 125	0 maternal	All women with	Mothers wer
311a11 F1 2020	cohort	iliula	pregnant	deaths	confirmed	diagnosed
	conorc	South Asia	and	acatris	Covid-19	with RT-PCR
			postnatal		admitted to NHL	
		LMIC	women		Municipal	
			with		Medical College	
			confirmed			
			COMID			
Shame T 2022	Potrospostivo	Saudi	COVID	1 maternal	All woman with	Mothers wer
Shams T 2022	Retrospective cohort	Saudi Arabia	394	1 maternal	All women with	
Shams T 2022	Retrospective cohort	Saudi Arabia		1 maternal death	All women with confirmed Covid-19	diagnosed
Shams T 2022			394 pregnant		confirmed	diagnosed
Shams T 2022	cohort	Arabia Middle East and North	394 pregnant and postnatal women	death 1 COVID- 19 related	confirmed	diagnosed
Shams T 2022	cohort	Arabia Middle East	394 pregnant and postnatal women with	death 1 COVID-	confirmed	diagnosed
Shams T 2022	cohort	Arabia Middle East and North Africa	394 pregnant and postnatal women with confirmed	death 1 COVID- 19 related	confirmed	diagnosed
	cohort Registry	Arabia Middle East and North Africa HIC	394 pregnant and postnatal women with confirmed COVID	death 1 COVID- 19 related death	confirmed Covid-19	diagnosed with RT-PCR
Shams T 2022 Sharief M 2021	cohort	Arabia Middle East and North Africa	394 pregnant and postnatal women with confirmed	death 1 COVID- 19 related	confirmed	diagnosed with RT-PCR
	cohort Registry Prospective	Arabia Middle East and North Africa HIC	394 pregnant and postnatal women with confirmed COVID	death  1 COVID- 19 related death  7 maternal	confirmed Covid-19 All pregnant	diagnosed with RT-PCR Mothers wer diagnosed
	cohort Registry Prospective	Arabia Middle East and North Africa HIC	394 pregnant and postnatal women with confirmed COVID 135 pregnant	death  1 COVID- 19 related death  7 maternal	confirmed Covid-19  All pregnant women with	diagnosed with RT-PCR Mothers wer diagnosed with RT-PCR
	cohort Registry Prospective	Arabia  Middle East and North Africa  HIC  Iraq  Middle East	394 pregnant and postnatal women with confirmed COVID 135 pregnant women	death  1 COVID- 19 related death  7 maternal deaths	All pregnant women with confirmed Covid-19 admitted to	diagnosed with RT-PCR.  Mothers wer diagnosed with RT-PCR
	cohort Registry Prospective	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with	death  1 COVID- 19 related death  7 maternal deaths 7 COVID-	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching	diagnosed with RT-PCR Mothers wer diagnosed with RT-PCR or computer
Sharief M 2021	cohort Registry Prospective cohort	Arabia  Middle East and North Africa  HIC Iraq  Middle East and North Africa  LMIC	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq	diagnosed with RT-PCR Mothers wer diagnosed with RT-PCR or computer topography.
	cohort Registry Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths 7 COVID- 19-related deaths 7 maternal	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant	Mothers wer diagnosed with RT-PCR or computer topography.
Sharief M 2021	cohort Registry Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths	All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with	Mothers wer diagnosed with RT-PCR or computer topography.
Sharief M 2021	cohort Registry Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths 7 COVID- 19-related deaths 7 maternal	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant	Mothers wer diagnosed with RT-PCR or computer topography.
Sharief M 2021	cohort Registry Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths 7 COVID- 19-related deaths 7 maternal	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid-	Mothers wer diagnosed with RT-PCR or computer topography.
Sharief M 2021	cohort Registry Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID 177 pregnant women with women with	death  1 COVID- 19 related death  7 maternal deaths 7 COVID- 19-related deaths 7 maternal	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid- 19 who referred	Mothers wer diagnosed with RT-PCR or computer topography.
Sharief M 2021 Shirazi M 2022	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  LMIC  LMIC  LMIC  LMIC  LMIC  LMIC  LMIC	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID 177 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths	All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid-19 who referred to prenatal clinics	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR were diagnosed with RT-PCR
Sharief M 2021	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID 177 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid- 19 who referred to prenatal clinics  All pregnant	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR or Mothers wer
Sharief M 2021 Shirazi M 2022	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  LMIC  Iran  LMIC  India	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID 177 pregnant women with confirmed COVID 177 pregnant women covid 177 pregnant vomen vith confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid- 19 who referred to prenatal clinics  All pregnant women with	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  LMIC  LMIC  LMIC  LMIC  LMIC  LMIC  LMIC	394 pregnant and postnatal women with confirmed COVID  135 pregnant women with confirmed COVID  177 pregnant women with confirmed COVID  177 pregnant women vith confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths  1 maternal death	All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid-19 who referred to prenatal clinics  All pregnant women with confirmed covid-19 who referred to prenatal clinics	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  South Africa	394 pregnant and postnatal women with confirmed COVID  135 pregnant women with confirmed COVID  177 pregnant women with confirmed COVID  150 pregnant women with with confirmed covid	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths  1 maternal death  1 COVID-	All pregnant women with confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq  All pregnant women with confirmed covid-19 who referred to prenatal clinics  All pregnant women with confirmed Covid-19	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  LMIC  Iran  LMIC  India	394 pregnant and postnatal women with confirmed COVID  135 pregnant women with confirmed COVID  177 pregnant women with confirmed COVID  177 pregnant women vith confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths  1 maternal death	All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid-19 who referred to prenatal clinics  All pregnant women with confirmed covid-19 who referred to prenatal clinics	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  South Africa	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID 177 pregnant women with confirmed COVID 150 pregnant women with confirmed covid	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths  1 maternal death  1 COVID- 19-related	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid- 19 who referred to prenatal clinics  All pregnant women with confirmed Covid-19 admitted to	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  South Africa	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID 177 pregnant women with confirmed COVID 150 pregnant women with confirmed covid	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths  1 maternal death  1 COVID- 19-related	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid- 19 who referred to prenatal clinics  All pregnant women with confirmed Covid-19 admitted to Rajindra	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022 Sibia P 2021 Siddiqui S (1)	cohort Registry  Prospective cohort  Retrospective cohort  Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  South Africa	394 pregnant and postnatal women with confirmed COVID 135 pregnant women with confirmed COVID  177 pregnant women with confirmed COVID  150 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths  1 maternal death  1 COVID- 19-related death  1 maternal death	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid- 19 who referred to prenatal clinics  All pregnant women with confirmed Covid-19 admitted to Rajindra Hospital, Patiala, India All pregnant	Mothers wer diagnosed with RT-PCR or computer topography  Mothers wer diagnosed with RT-PCR with RT-PCR  Mothers wer diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022 Sibia P 2021	cohort Registry  Prospective cohort  Retrospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  India  South Asia  LMIC	394 pregnant and postnatal women with confirmed COVID  135 pregnant women with confirmed COVID  177 pregnant women with confirmed COVID  150 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths  1 maternal death  1 COVID- 19-related death	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid- 19 who referred to prenatal clinics  All pregnant women with confirmed Covid-19 admitted to Rajindra Hospital, Patiala, India All pregnant women with	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022 Sibia P 2021 Siddiqui S (1)	cohort Registry  Prospective cohort  Retrospective cohort  Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  India  South Asia  LMIC	394 pregnant and postnatal women with confirmed COVID  135 pregnant women with confirmed COVID  177 pregnant women with confirmed COVID  150 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  1 maternal death  1 COVID- 19-related death  1 COVID- 19-related death  1 COVID- 19-related death	All pregnant women with confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq  All pregnant women with confirmed covid-19 who referred to prenatal clinics  All pregnant women with confirmed Covid-19 admitted to Rajindra Hospital, Patiala, India  All pregnant women with confirmed Covid-19 admitted to Rajindra Hospital, Patiala, India	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR
Sharief M 2021 Shirazi M 2022 Sibia P 2021 Siddiqui S (1)	cohort Registry  Prospective cohort  Retrospective cohort  Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  India  South Asia  LMIC  India  South Asia	394 pregnant and postnatal women with confirmed COVID  135 pregnant women with confirmed COVID  177 pregnant women with confirmed COVID  150 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  7 maternal deaths  1 maternal death  1 COVID- 19-related death  1 maternal death  1 maternal death  1 maternal death	confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq All pregnant women with confirmed covid- 19 who referred to prenatal clinics  All pregnant women with confirmed Covid-19 admitted to Rajindra Hospital, Patiala, India All pregnant women with confirmed Covid-19	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR with RT-PCR.  Mothers wer diagnosed with RT-PCR.
Sharief M 2021 Shirazi M 2022 Sibia P 2021 Siddiqui S (1)	cohort Registry  Prospective cohort  Retrospective cohort  Prospective cohort	Arabia  Middle East and North Africa  HIC  Iraq  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  Iran  Middle East and North Africa  LMIC  India  South Asia  LMIC	394 pregnant and postnatal women with confirmed COVID  135 pregnant women with confirmed COVID  177 pregnant women with confirmed COVID  150 pregnant women with confirmed COVID	death  1 COVID- 19 related death  7 maternal deaths  7 COVID- 19-related deaths  1 maternal death  1 COVID- 19-related death  1 COVID- 19-related death  1 COVID- 19-related death	All pregnant women with confirmed Covid-19  All pregnant women with confirmed Covid-19 admitted to Basrah Teaching Hospital, Iraq  All pregnant women with confirmed covid-19 who referred to prenatal clinics  All pregnant women with confirmed Covid-19 admitted to Rajindra Hospital, Patiala, India  All pregnant women with confirmed Covid-19 admitted to Rajindra Hospital, Patiala, India	Mothers wer diagnosed with RT-PCR or computer topography.  Mothers wer diagnosed with RT-PCR.  Mothers wer diagnosed with RT-PCR.

					hospital in Teerthanker Mahaveer Medical College andResearch Centre, Moradaba, Northern India	
Singh V (1) 2021	Retrospective cohort	India South Asia LMIC	pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19 admitted to Tata Main Hospital, Jamshedpur	Mothers were diagnosed with RT-PCR.
Singh V 2022	Retrospective cohort Registry	India South Asia LMIC	pregnant women with confirmed COVID	4 maternal deaths 4 COVID- 19 related deaths	All pregnant women with confirmed Covid-19	Mothers were diagnosed with RT-PCR or rapid test
Sharma R, 2022	Ambispective cohort	India South Asia LMIC	134 pregnant women with confirmed COVID	2 maternal death	All pregnant women with confirmed Covid-19 admitted at Government institute of medical science, UP India	Mothers were diagnosed with RT-PCR.
Sharma R, 2022	Ambispective cohort	India South Asia LMIC	58 pregnant women with confirmed COVID	8 maternal death	All pregnant women with confirmed Covid-19 admitted at Government institute of medical science, UP India	Mothers were diagnosed with RT-PCR.
Shoji K 2022	Retrospective Cohort	Japan East Asia and Pacific HIC	254 pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 registered in Japan nationwide COVID-19 registry (COVIREGI-JP)	Mothers were diagnosed with antigen
Shree P 2022	Prospective cohort Registry	India South Asia LMIC	52 pregnant women with confirmed COVID	1 maternal death	All pregnant women with confirmed Covid-19 admitted to the ward	
Sobkowski M 2022	Retrospective Cohort	Poland  Europe and Central Asia  HIC	304 pregnant women with confirmed COVID	2 maternal deaths 2 COVID- 19 related deaths	All pregnant or parturient women with confirmed Covid-19	Mothers were diagnosed with RT-PCR.
Subedi K 2022	Prospective cohort Registry	Nepal South Asia LMIC	160 pregnant women with confirmed COVID	4 maternal deaths 2 COVID- 19 related deaths	All pregnant women with confirmed Covid-19 presenting to maternity and women's hospital	Mothers were diagnosed with RT-PCR.
Suriñach-Ayats B 2022	Prospective cohort Registry	Spain Europe and Central Asia HIC	109 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19	Mothers were diagnosed with RT-PCR.

Sundar A 2022	Retrospective Cohort	Bahrain Middle East and North Africa HIC	74 pregnant women with confirmed COVID	0 maternal death	All pregnant women with confirmed Covid-19 admitted at Bahrain Defense	Mothers were diagnosed with RT-PCR.
Commist D	Danasativa	Daland	02	2	Force Hospital, Riffa, Bahrain.	Nach
Szczygiol P 2022	Prospective cohort	Poland Europe and Central Asia HIC	83 pregnant women with confirmed COVID	2 maternal deaths	All pregnant women with confirmed Covid-19 admitted at Wroclaw Medical University Teaching Hospital in Poland	Mothers wer diagnosed with RT-PCR.
Tekin AB (2)	Retrospective	Turkey	1065	28	All pregnant	Mothers wer
2022	Cohort		pregnant	maternal	women who were	diagnosed with RT-PCR
	Registry	Europe and Central Asia	women with	deaths	hospitalised and	WILLI KI-PCK
		UMIC	confirmed COVID	28 COVID- 19 registry related deaths	diagnosed with covid-19	
Thiabaud A	Prospective	Switzerland	35	0 maternal	All pregnant	
2020	cohort	Europe and	pregnant women	deaths	women with confirmed	
		Central Asia	with		Covid-19	
		HIC	confirmed COVID		admitted to 20 Swiss hospitals	
Timur B 2022	Retrospective Cohort	Turkey	63 pregnant	0 maternal deaths	Pregnant women with	
	Registry	Europe and Central Asia	women with confirmed		confirmed covid- 19 hospitalised	
Tiwari L 2021	Prospective	UMIC India	COVID 51	1 maternal	All pregnant	Mothers wei
	cohort	South Asia	pregnant women	death	women with confirmed	diagnosed with RT-PCF
		LMIC	with confirmed COVID	1 COVID- 19-related death	Covid-19 admitted to a tertiary care center, North India	
Trahan MJ (3)	Retrospective	Canada	45	0 maternal	All pregnant	Mothers wei
2021	cohort	North America HIC	pregnant and postnatal women with confirmed COVID	deaths	women with confirmed Covid-19 admitted to McGill University Health Centre	diagnosed with RT-PCR
					and Jewish	
USA CDC	Prospective	USA	178338	261	General Hospital CDC national	Method of
surveillance (25 December 21)	cohort	North America HIC	pregnant women with confirmed COVID	maternal death	registry	COVID diagnosis is unknown.
Vousden N (1)	Prospective	UK Europo and	4436	22 maternal	All pregnant	Mothers wer
2022	cohort	Europe and Central Asia HIC	pregnant women with confirmed COVID	maternal death	women with confirmed Covid-19 admitted to 194 hospitals in the UK (UKOSS)	diagnosed with RT-PCR
Villar J 2021	Prospective Cohort	18 countries	706 pregnant women with	11 maternal death	All pregnant women with confirmed Covid-19 admitted	Mothers wer diagnosed with RT-PCR

			confirmed COVID		aINTERCOVID-43 hospitals in 18 countries	
Vural T 2022	Retrospective Cohort	Turkey Europe and Central Asia UMIC	61 pregnant women with confirmed COVID	0 maternal death	All pregnant women with confirmed Covid-19 admitted at the University of Health Science Turkey Tepecik training and research hospital	Mothers were diagnosed with RT-PCR.
Wadhwani R 2022	Prospective cohort	India South Asia	210 pregnant women	26 maternal deaths	All antenatal COVID-19 patients	
		LMIC	with confirmed COVID	26 COVID- 19 related deaths		
Yadav V 2020	Retrospective cohort	India South Asia LMIC	28 pregnant women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19 admitted to Sharda School of Medical Sciences and Research, Greater Noida, UP	Mothers were diagnosed with RT-PCR.
Zaharie G 2020	Retrospective cohort	Romania Europe and Central Asia UMIC	5 pregnant and postnatal women with confirmed COVID	0 maternal deaths	All pregnant women with confirmed Covid-19 admitted to Clinic of Obstetrics and Gynecology Ist, County Emergency Hospital, Cluj- Napoca, Romania	Mothers were diagnosed with RT-PCR.