

Supplementary table 1: Logic Grid: COVID-19 and Pregnancy outcomes

Covid	Pregnancy
<p>Coronavirus[MeSH] OR COVID-19[MeSH] OR “severe acute respiratory syndrome coronavirus 2”[MeSH] OR</p> <p>Covid[All Fields] OR Covid19[All Fields] OR Covid-19[All Fields] OR “covid 19”[All Fields] OR “corona”[All Fields] OR "2019 nCoV"[All Fields] OR 2019nCoV[All Fields] OR "2019 novel coronavirus"[All Fields] OR "COVID 19"[All Fields] OR "SARS CoV-2"[All Fields] OR "new coronavirus"[All Fields] OR "novel coronavirus"[All Fields] OR (Wuhan AND coronavirus)[All Fields] OR "SARS-CoV"[All Fields]</p>	<p>Pregnancy[MeSH] OR “pregnant women”[MeSH] OR Pregnancy OR pregnant OR Pregnant*</p>

Supplementary table 2: Case reports

Study Name	Country	Exact data of case reported	Reason for exclusion
Zuzana Kolkova 2020 [1]	Malmö, Sweden	Not reported	Case-report
Yasmine Abouda 2020 [2]	Morocco	Not reported	Case-report
Suzanne Slayton-Milam 2020 [3]	Washington, USA	Not reported	Case-report
S. O. Cheng 2020 [4]	London, UK	April 5, 2020	Case-report
David A. Forero-Pena 2020 [5]	Venezuela	March 28, 2020	Case-report
R Polónia-Valente 2020 [6]	Porto, Portugal	March 17, 2020	Case-report
Bianca Pulinx 2020 [7]	Belgium	Not reported	Case-report
Molly C Easterlin 2020 [8]	Los Angeles, USA	Not reported	Case-report
Antonella Ferrariolo 2020 [9]	Genoa, Italy	Not reported	Case-report
Ying Yu 2020 [10]	Wuhan, China	Jan 28, 2020	Case-report
Harsh Mehta 2020 [11]	New Jersey, USA	Not reported	Case-report
Irshad Ahmed 2020 [12]	Birmingham, UK	April 8, 2020	Case-report
Katy Kuhurt 2020 [13]	London, UK	Not reported	Case-report
De Socio GV 2020 [14]	Perugia, Italy	March 30, 2020	Case-report
Ida Martinelli 2020 [15]	Milan, Italy	Mar 29, 2020	Case-report
Victoria Vallejo 2020 [16]	New York, USA	Not reported	Case-report
Christine Blauvelt 2020 [17]	San Francisco, USA	Not reported	Case-report
Leah Hong 2020 [18]	Detroit, USA	Not reported	Case-report
Dawei Lu 2020 [19]	Wuhan, China	Feb 11, 2020	Case-report
Joana Lyra 2020 [20]	Porto, Portugal	Not reported	Case-report
David Baud 2020 [21]	Lausanne, Switzerland	March 20, 2020	Case-report
Jianwei Li 2020 [22]	Zhongshan, China	Jan 28, 2020	Case-report
D Gonzalez Romero 2020 [23]	Spain	Not reported	Case-report
Haifa Xia 2020 [24]	Wuhan, China	Jan 20, 2020	Case-report
Paul C Browne 2020 [25]	South Carolina, USA	July 7, 2020	Case-report
Shuming He 2020 [26]	Zhongshan, China	Feb 2020	Case-report
E Kalafat 2020 [27]	Ankara, Turkey	March 20, 2020	Case-report
Parisa Karami 2020 [28]	Iran	Not reported	Case-report
Zingui Liao 2020 [29]	China	Feb 9, 2020	Case-report
Mengdie Li 2020 [30]	Xinyang, China	Not reported	Case-report
Li Yao 2020 [31]	Hefei, China	Feb 11, 2020	Case-report
Siyang Zhuang 2020 [32]	Wuhan, China	Jan 20, 2020	Case-report
Rong Wen 2020 [33]	China	Feb 4, 2020	Case-report
Lysien Zambrano 2020 [34]	Honduras	Mar 9, 2020	Case-report
Xiali Xiong 2020 [35]	Beijing China	Jan 29, 2020	Case-report
Maria Claudia Alzamora 2020 [36]	Lima, Peru	March 29, 2020	Case-report
Zhoujie Peng 2020 [37]	Chongqing, China	Not reported	Case-report
Dong Hwan Lee 2020 [38]	Republic of Korea	Jan 19, 2020	Case-report
Yang Li 2020 [39]	Zhejiang, China	Feb 6, 2020	Case-report
Shaoshuai Wang 2020 [40]	Wuhan, China	Feb 1, 2020	Case-report
Xiaotong Wang 2020 [41]	China	Feb 2, 2020	Case-report
Sebastian Gidlof 2020 [42]	Stockholm, Sweden	Not reported	Case-report
Sara Iqbal 2020 [43]	USA	Not reported	Case-report
Ane Cecilie Munk 2020 [44]	Norway	Early April 2020	Case-report
Christian Chigozie Makwe 2020 [45]	Lagos, Nigeria	Not reported	Case-report
Kelly Elizabeth Kinsey 2020 [46]	New York, USA	Not reported	Case-report
Rita Figueiredo 2020 [47]	Porto, Portugal	Not reported	Case-report
Mariam Naqvi 2020 [48]	Los Angeles, USA	Not reported	Case-report
Jing Peng 2020 [49]	Wuhan, China	Jan 23, 2020	Case-report
Yantian Lv 2020 [50]	Wuhan, China	Feb 6, 2020	Case-report
Rong Wen 2020 [51]	Qingdao, China	Jan 22, 2020	Case-report
Jin-Gon Bae 2020 [52]	Korea	Feb 12, 2020	Case-report
Alejandro Garcia Rodriguez 2020 [53]	Leon, Spain	Not reported	Case-report
Tayebeh Rashidian 2020 [54]	Ilam, Iran	Not reported	Case-report
Moti Gulersen [55]	New York, USA	Not reported	Case-report
Priya Patel [56]	USA	Not reported	Case-report
Alex Mark [57]	USA	Not reported	Case-report
Yekta Parsa [58]	Tehran, Iran	Between March to April 2020	Case-report
Sofiane Kouas [59]	Mahdia, Tunisia	Early March 2020	Case-report
M.L. Rodrigues [60]	Amadora, Portugal	Not reported	Case-report
Anne-Sophie Michel [61]	Paris, France	Not reported	Case-report
Claire M. McCarthy [62]	Dublin, Ireland	Not reported	Case-report
Muhammad Suleman Rana [63]	Islamabad, Pakistan	June 4, 2020	Case-report
Talal Hamood Alwardi [64]	Muscat, Oman	Not reported	Case-report

Supplementary table 3: Reasons for excluding studies

Study Name	Country	Exact data of case reported	Reason for exclusion
Ardi Hirshberg 2020 [65]	Philadelphia, USA	Not reported	Overlap with other study
Patricia Barbero 2020 [66]	Madrid, Spain	March 3 to May 31	Overlap with other study
Desmond Sutton 2020 [67, 68]	New York, USA	22 March to April 4, 2020	Overlap with other study
Maria Andrikopoulou 2020[69]	New York, USA	Mar 13 to Apr 18, 2020	Overlap with other study
Zhiqiang Wang 2020[70]	Wuhan, China	Dec 8 to April 1 2020	Overlap with other study
Na Li 2020 [71]	Wuhan China	Jan 24 to Feb 29, 2020	Overlap with other study
Rong Chen 2020 [72-74]	Wuhan, China	30 Jan to 24 Feb 2020	Overlap with other study
Dehan Liu 2020 [73-75]	Wuhan China	Jan 20 to Feb 10, 2020	Overlap with other study
Huanhuan Liu 2020 [76]	Hubei, China	Jan 27 to Feb 14, 2020	Overlap with other study
Pu Yang 2020 [77]	Wuhan, China	Jan 20 to Jan 29, 2020	Overlap with other study
Noelle Breslin 2020 [78, 79]	USA	March 13 to 27, 2020	Overlap with other study
Huijun Chen 2020[80]	Wuhan China	Jan 20 to Jan 31, 2020	Overlap with other study
Di Lei 2020 [81]	Wuhan, China	Jan 22 to Feb 1, 2020	Overlap with other study
Siyu Chen 2020[82]	Hubei, China	Jan 20 to Feb 10, 2020	Overlap with other study
Yan Chen 2020[83]	Wuhan, China	Not reported	Overlap with other study
Cuifang Fan 2020[84]	Wuhan, China	Jan 17 to Jan 23, 2020	Overlap with other study
Chen Shou 2020[85]	China	Till feb 25	Overlap with other study
Nan Yu 2020[86]	Wuhan, China	Jan 1 to Feb 8, 2020	Overlap with other study
Huaping Zhu 2020[87]	Hubei, China	Jan 20 to Feb 5, 2020	Overlap with other study
Hui Yang 2020[88]	Wuhan, China	20 Jan to Mar 5, 2020	Overlap with other study
Chunchen Wu 2020[89]	Wuhan, China	Jan 23, Feb 10	Overlap with other study
Dongmei Cao 2020[90]	Wuhan, China	Jan 23 to Feb 23, 2020	Overlap with other study
Enrico Ferrazi 2020[91]	Northern Italy	Mar 1-20, 2020	Overlap with other study
Y Wu 2020[92]	Wuhan, China	31 Jan to 9 Mar, 2020	Overlap with other study
A Govind 2020[93]	London, UK	Mar 7 to Apr 22, 2020	Overlap with other study
Wei Liu 2020[94]	Wuhan, China	Jan 31 to Feb 29, 2020	Overlap with other study
Hui Yang 2020 [95]	Wuhan, China	Jan 20 to Mar 19, 2020	Overlap with other study
William R Cooke 2020 [96]	Reading, UK	Not reported	Overlap with other study
YingChun Zeng 2020[97]	Hubei, China	Until Feb 16, 2020	Overlap with other study
Nathan S Fox 2020[98]	NY, USA	Mar 20 to Apr 30, 2020	Overlap with other study
S Chen 2020[99]	Wuhan, China	Feb 4, 2020	Overlap with other study
Alexandre J Vivanti 2020 [100]	Paris, France	March 12 to April 13, 2020	Overlap with other study
LinLi Yue 2020 [101]	Hubei, China,	Jan 24 to Feb 29	Overlap with other study
Xiaolin Hu 2020 [102]	Wuhan, China	Jan 20 Feb 20, 2020	Overlap with other study
Matthew J. Blitz [103, 104]	New York USA	March 1, May 6, 2020	Overlap with other study
Lu Zhang 2020 [105]	Wuhan China	Jan 30 o Mar 1 2020	Overlap with other study
Shuang Xu 2020 [106]	Wuhan, China	Jan 15 to March 15	Overlap with other study
Shaoshuai Wang 2020 [107]	Wuhan, China	Jan 19, March 2, 2020	Overlap with other study
Yanfen Chen 2020 [108]	Wuhan China	Jan 20 to Feb 29, 2020	Overlap with other study
Yan-Ting Wu 2020 [109]	Wuhan China	Jan 30 to Mar 10, 2020	Overlap with other study
Biheng Cheng 2020 [110]	Wuhan, China	Jan 15 to Feb 23	Overlap with other study
Miguel A. Marín Gabriel 2020 [111]	Madrid, Spain	March 13, March 29, 2020	Overlap with other study
Lina Antoun 2020 [112]	Birmingham, UK	Feb 2020 to April 2020	Overlap with other study
Jeffery Perlman 2020 [113]	New York, USA	March 22 to April 15, 2020	Overlap with other study
Lingkong Zeng 2020 [114]	Wuhan, China	Jan to Feb 2020	Overlap with other study
Min-Zhu Yin 2020 [115]	Wuhan, China	Jan 28 to Feb 28, 2020	Overlap with other study
Pin Liu 2020 [116]	Wuhan, China	Jan 20 to March 3, 2020	Overlap with other study
Renbin Zhou 2020 [117]	Wuhan, China	Not reported	Overlap with other study
Wei Liu 2020 [118]	Wuhan, China	Jan 7 to March 4, 2020	Overlap with other study
Dilek Sahin [119]	Ankara, Turkey	March 11 to June 11, 2020	Overlap with other study
Kate R. Woodworth 2020 [120]	USA (16 jurisdictions)	March 29 to Oct 14, 2020	Overlap with other study
Chelsea A DeBolt 2020 [121]	NY & Philadelphia, USA	March 12 to May 5, 2020	Overlap with other study
Rong Yang 2020 [122]	Wuhan, China	Jan 13 to March 18	Overlap with other study
Miranda J Delahoy 2020 [123]	USA (13 jurisdictions)	March 1 to Aug 22, 2020	Overlap with other study
Lakshmi Panagiotakopoulos 2020 [124]	USA (8 jurisdiction)	March 1 to May 30, 2020	Overlap with other study
Mario Isaac Lumbreras-Marquez 2020 [125]	Mexico	As of May 17, 2020	Overlap with other study
Ellington 2020 [126]	United states	Jan 22 to June 17	Overlap with other study
Ozurmeli M 2021 [127]	Istanbul, Tukey	Mar 11 to July 01	Overlap with other study
RJ Martinez-Portilla 2020 [128]	Mexico	Feb 1 to 28 Oct 2020	Overlap with other study
Sheela Maru 2020 [129]	New York, USA	March 29, April 22, 2020	Overlap with other study
Miguel A Marin Gabriel 2020 [130]	Spain	March 13 to May 31, 2020	Overlap with other study
Monica Cruz-Lemini 2021 [131]	Spain	March to May 2020	Overlap with other study
Yuping Guo 2020 [132]			
Daigo Ochiai 2020 [133]	Tokyo, Japan	Apr 6 to Apr 27, 2020	Case series of less than 10 cases (n=2)
Wen-Han Chang [134]	Taiperi, Taiwan	Not reported	Case series of less than 10 cases (n=2)
Jing-yi Tang 2020 [135]	Wuhan, China	23 Jan and 28 Jan 2020	Case series of less than 10 cases (n=2)
Dongmeri Cao 2020 [136]	Wuhan China	Feb 8 and Feb 26, 2020	Case series of less than 10 cases (n=2)
A.Gheysarzadeh 2020 [137]	Ilam, Iran	Not reported	Case series of less than 10 cases (n=4)

Helena Lucia Barroso dos Reis 2020 [138]	Espírito Santo, Brazil	Not reported	Case series of less than 10 cases (n=3)
Danilo Buonsenso 2020[139]	Rome, Italy	Not reported	Case series of less than 10 cases (n=7)
Serafina Perrone 2020 [140]	Parma, Italy	March to April 2020	Case series of less than 10 cases (n=4)
Luigi Gagliardi 2020 [141]	Pisa, Italy	Upto April 19, 2020	Case series of less than 10 cases (n=3)
Matthew P. Romagano 2020 [142]	New Jersey, USA	March to Apr 2020	Case series of less than 10 cases (n=8)
Alexandra Jussela 2020 [143]	New Jersey, USA	March 2020	Case series of less than 10 cases (n=2)
Elizabeth Lucarelli 2020 [144]	New Jersey, USA	March 31 to May 20, 2020	Case series of less than 10 cases (n=3)
Mingyang Sun 2020 [145]	China	Not reported	Case series of less than 10 cases (n=3)
Suliman Khan 2020 [146]	Wuhan, China	Jan 15 to Mar 15, 2020	Case series of less than 10 cases (n=3)
Xu Chen 2020 [147] Abstract only	China	Jan 19 to Feb 10, 2020	Case series of less than 10 cases (n=3)
Wenhui Huang 2020 [148]	Wuhan, China	Jan 24 to Feb 19, 2020	Case series of less than 10 cases (n=8)
Tingting Zheng 2020 [149]	Yichang city China	Jan 20 to April 9, 2020	Case series of less than 10 cases (n=2)
Sedigheh Hantoushzadeh 2020 [150]	Tehran, Iran	Mid Feb to Mid-March 2020	Case series of less than 10 cases (n=9)
Nicole Olivini [151]	Rome, Italy	Early March	Case series of less than 10 cases (n=5)
Julia Fashner [152]	USA	As of April 29, 2020	Case series of less than 10 cases (n=9)
Yu Chen 2020 [153]	Shenzen, China	Not reported	Women were suspected and were negative on test
Beatrice Tassis 2020 [154]	Milan, Italy	April 1 to April 9, 2020	The study only provided the number of women came positive on COVID on universal screening
Asma Khalil 2020 [155]	London, UK	As of April 20, 2020	Only reported on universal screening
Erika Molteni 2020 [156]	UK, Sweden, and USA	Not reported	The study included web-based population surveys results on information on participants recall
Nina le Cour Freiesleben 2020 [157]	Copenhagen, Denmark	Feb 17 to April 23, 2020	Study reported suspected and confirmed COVID-19
Stefano Cosma 2020 [158]	Turin, Italy	Feb 22 to May 21, 2020	Study compared first trimester abortion with ongoing pregnancy and reported IgG and IgM of the participants.
Weiyong Liu 2020 [159]	Wuhan, China	Up until Feb 13, 2020	The study discussed the diagnostic procedures using placental, vaginal, breast and oropharyngeal swabs
Yuanyuan Dong 2020 [160]	Shanghai, China	Up until Feb 8, 2020	The participants were pregnant but their age ranged between 14 and 79 years. Study also reported 79 years old pregnant women
Claudia Massoratti 2020 [161]	Genoa, Italy	April 1 to April 30, 2020	The study only provided the number of women came positive on COVID on universal screening
Rakesh Waghmare 2020 [162]	Maharashtra, India	25 April to May 20, 2020	The study only provided the number of women came positive on COVID on universal screening and the number who were asymptomatic and symptomatic

Supplementary table 4: Characteristics of included studies

Study and year	Study design	Country and time period	Setting	Total number	Baseline characteristics of women			Presenting signs and symptoms of all pregnant women	Maternal and neonatal COVID-19 status	Delivery characteristics in COVID-19 positive women	Management of pregnant women with COVID-19	Maternal pregnancy /perinatal outcomes of COVID-19 positive women
					Mean age (yrs)	Mean gestational age (wks)	Past medical history					
Gabriele Saccone 2020 WAMP study [163, 164]	Prospective	22 countries	Multicountry and multicentre	N=388	32.2±6.1	30.6 ± 9.5	Obesity = 28/388	Asymptomatic = 94/388 Fever =171/388 Cough = 202/388 Rhinorrhoea = 29/388 Myalgia = 56/388 Anosmia = 21/388 SOB = 60/388 Diarrhoea = 16/388 Conjunctivitis = 9/388	History travel or meeting infected case = NR COVID confirmed women Maternal death = 3/388 Maternal COVID +ve 388 Neonates COVID –ve 1/250	Discharged with ongoing pregnancies = 123/388 Total deliveries = 265/388 Abortion =6/31 Termination of pregnancy = 3/265 Caesarean deliveries = 136/250	Hydroxychloroquine = 90/388 Antibiotics (Azithromycin)= 79/388 Antiviral (oseltamivir, darunavir, cobicistat, lopinavir, ritonavir, remdesivir) = 72/388 ICU = 43/388 Intubation =25/388 ARDS = 7/388 ECMO = 2/388	Stillbirth = 6/265 Neonatal death = 5/250 Perinatal death = 11/265 NICU admission = 69/250 Birthweight = 2921±772 LBW 52/250 IGR = 10/265 Preterm birth = 70/265
InterCOVID 2020 [165]	Prospective	18 countries March to April 16	Multicountry and multicentre	N= 672	30.2 + 6.1	NR	Smoker = 18 Diabetes = 32 Overweight = 317 Thyroid = 71 Cardiac disease = 12 Hypertension = 27 Respiratory disease = 26 Kidney disease = 5 Malaria = 1.7 Tuberculosis = 0.5% Mean BMI = 25.7 + 5.8 GDM = 76 PIH = 57 Anaemia = 131 PROM 108 Fetal distress = 80	Chest pain = 18 Diarrhea/vomiting = 45 Limk or joint pain = 49 Sore throat = 68 Flu like symptoms = 75 Runny nose = 78 Headache = 85 Breathlessness = 85 Tiredness/lethargy = 107 Loss of smell = 113 Fever = 193 Cough = 236 Asymptomatic = 269	Laboratory COVID confirmed women Maternal death = 10 Neonates positive for COVID-19 = 45	Caesarean section = 319	Anticoagulant = 73 ICU admission = 53	Preterm birth = 25 Birthweight = 2960 + 690 LBW = 142 SGA = 13.5% Stillbirth = 6 Neonatal mortality = 12
Mariam Knight 2020 [166, 167] UKOSS	Cohort	UK Mar 01 to Apr 29, 2020	UK Obstetric Surveillance System from 194 hospitals	N=427	<20 = 4 20-34 = 248 >35 = 175 Asian =103/427 Black = 90/427 Chinese = 30/427 Mixed = 10/427	Median 34 weeks (29 to 38 weeks)	Smoker = 20/427 Obese = 140/427 Overweight = 141/427 Asthma = 31/427 Hypertension = 12/427 Cardiac disease = 6/427 Diabetes = 3/427 GDM = 50/427	Fever = ~285 Cough = ~240 Breathlessness ~155 Fatigue or lethargy = ~60 Headache = ~55 Joint pain = ~50 Sore throat = ~45 Vomiting = ~45 Diarrhoea = ~20 Rhinorrhoea = ~20	History travel or meeting infected case = NR Non- Severe COVID-19 in mother = 386/427 Severe COVID-19 in mother = 41/427 Maternal COVID +ve 427/427nasopharyngeal swab for PCR Neonates COVID +ve 12/265 on nasopharyngeal swab RNA Maternal death = 5/427 (severe =3) Discharged = 397/427	Discharged with ongoing pregnancies = 161/427 (severe =8) Miscarriage = 4/427 Total deliveries = 266/427 (Severe = 33) Caesarean section = 159/262 Vaginal = 106/262 Indication for C-section = COVID = 42/262 Pregnancy complication = 114/262	Antiviral (oseltamivir, lopinavir/ritonavir) = 9/427 Corticosteroid (FLM) = 64/427 Intubated = 18/427 ICU = 41/427	Livebirths = 259 (Singleton 247 + 6 twins) Preterm births = 66/262 Stillbirths = 3/262 Neonatal death = 2/259 NICU admission = 67/265
Mariano Doria 2020 [168] 12 cases separately reported Universal screening	Cohort	Portugal Mar 25, Apr 15, 2020	Unidade Local de Matosinhos/Pe dro Hispano Hospita	N=103 Positive = 12	31.91±53.5 *Age separately reported	37.5 ± 2.9 * separately reported	Ulcerative colitis = 1/12 Psoriasis =1/12 Sever scoliosis =1/12 Behcet Syndrome =1/12 Myopia=1/12 Chronic hypertension =1/12 Asthma=1/12 Raynaud syndrome =1/12 GDM=1/12 PROM =1/12 None= 6/12	Asymptomatic =11/12 Headache = 1/12	History travel or meeting infected case = NR Non- Severe COVID-19 in mother = 12/103 Maternal COVID +ve 11/103 nasopharyngeal swab for PCR Neonates COVID –ve 11/11 on nasopharyngeal swab for PCR	Discharge with ongoing pregnancy =2/12 Total deliveries =10 Caesarean section = 6/10 Vaginal deliveries =4/10	NR	Births = 11 (9 singleton, 1 twin) Birthweight = 2690.90 ± 336.47 * separately reported Apgar score at 1 min = 8.90 ± 0.30 * separately reported Apgar score at 5 min = 9.90 ± 0.30 * separately reported IUGR=8/11
Maira LS Takemoto [169]	Prospective	All over Brazil	All over Brazil	N=978	32+5 30+5	NR	Asthma = 22 Cardiovascular = 117 Diabetes = 86 Obesity = 43	NR	Lab confirmed = 950 Maternal death = 124	NR	ICU admission = 207 Invasive ventilation = 98 Non-invasive = 219	NR

Brazilian ARDS-SS		Until June 18, 2020			1 st trim = 7 2 nd tri = 157 3 tri = 495 White = 235 Black = 51 Yellow = 3 Brown = 451 Indigenou s = 6		Any comorbidity = 273					
NethOSS 2020 [170]	Registr y	Netherlan d March 1 to July 31	Netherlands Registry	N=159	NR	NR	Fetal distress = 1/90	Cough = 72 Fever = 60 SOB = 42	Neonates COVID +ve = 93 Maternal death = 1	Caesarean section = 29/90	Antibiotics = 36 Antiviral (Remdesivir) = 3 Hospitalization = 106 Oxygen = 28 Intubation = 4	Livebirths = 93 (87 singleton, 3 twin) Preterm birth = 90 Miscarriage = 2/94 NICU admission = 21 Neonatal death = 0
Francesca Crovetto 2020 [171]	Cohort	Barcelona , Spain April 14 to May 5	Hospital Sant Joan de Déu and Hospital Clínic	N= 125	33.7 + 5.1 /54 31.8 + 6.1 / 71 White = 74	First trimester = 54 Third trimester = 71 Nulliparous = 70 Twin pregn = 3	Chronic hypertension = 3 Diabetes= 1 Autoimmune disease = 2 Respiratory disease = 5 Smoking = 10 Mean BMI = 24.1 + 6.2/54; 23.9 + 4.3/71	Asymptomatic = 75 Fever = 23 Cough = 22 Dyspnoea = 8 Tiredness/fatigue = 9 Dore throat = 9 Rash = 0 Diarrhoea = 9 Anoemia/agusua = 23	Non- Severe COVID-19 in mother = 122 Severe = 3 oxygen	NR	Oxygen therapy = 3	NR
Manel Mendoza 2020 [172] Separate results for severe and non-severe cases	Perspe ctive	Barcelon, Spain Mar 13 tp Apr 10, 2020	Hospital Universitari Vall d'Hebron, Universitat Autònoma de Barcelona	N=42	32 White 52% Latin American 40% Others 7%	32 (IQR 26 to 37.5) Severe = 30+0, 22+6, 37+5, 36+4, 32, 20+3, 27+4, 20+1	Smoking = 2 (1 severe, 1 non-severe) Preeclampsia history =0 Hypertension = 0 Chronic kidney disease = 0	NR	No History travel or meeting infected case Non- Severe COVID-19 in mother=78 Severe COVID-19 in mothers = 8 Maternal COVID +ve on oro-pharyngeal swab for PCR	NR	ICU admission = 8/42	NR
Rafael San-Juan 2020 [173] Based on severity	Cohort	Madrid, Spain March 5, Apr 5, 2020	Department of Obstetrics of the University Hospital "12 de Octubre"	N=32	32 ±7 Hispanic = 21 Severe = 39 + 28 + 33 + 38 + 40 + 37	29.2± 2.17 First trimester = 1 Second trimester = 9 Third trimester = 22	No comorbidity = 26/ 32 Asthma = 4/32 Obesity = 1/32 Multiple sclerosis = 1/32 GDM = 2/32	Cough = 31/32 Dyspnoea = 25/32 Fever = 20/32 Fatigue = 15/32 Myalgia = 13/32 Headache = 9/32 Coryza = 5/32 Chest pain = 4/32 Diarrhoea = 1/32 Anosmia/dysgueia = 1 /32	Non-severe COVID-19 in mothers = 14 Severe COVID-19 in mother = 18 Maternal COVID +ve = 32	NR	Hospital admission = 29 Antiviral = 8 Hydroxychloroquine = 22 Antibiotic = 23 Immunomodulatory = 5 Corticosteroid = 3 Plasma therapy = 2 Oxygenation = 18 ICU admission = 2 ARDS = 8 Mortality = 0	NR
Augusto Pereira 2020[174]	Restro spectiv e	Madrid, Spain March 14 to April 14	Puerta de Hierro University Hospital Madrid	N=60	<30 years = 11 30-34 = 24 35-40 = 22 >40 = 3	First trimester = 10 (1-12) 2 trimesters = 13-26 = 16 3 trimesters = 27-41 = 34	Preeclampsia = 3 DVT = 2	Asymptomatic = 15/60 Fever = 34/60 Cough = 34/60 Dyspnoea = 17/60	History travel or meeting infected case = 28/60 Maternal COVID +ve = 60 on oro-pharyngeal swab for PCR Non-Severe COVID-19 in mothers = mild = 9/60 Moderate = 7/60 Severe = 7/60 Neonates COVID –ve = all on PCR	Discharged with ongoing pregnancy = 37 Total deliveries = 23 Vaginal delivery = 14/23 Instrumental delivery = 4/23 Caesarean section = 5/23	Hydroxychloroquine = 39/60 Antiviral = 11/60	Preterm birth = 2/23
Oscar Martinez-Perez 2020 [175]	Prospe ctive	Spain	Multicentre 3 maternity hospitals in Spain	N=82	Median 35, 33 and 36	Median 39, 38, 29	GDM = 1/78 severe 0 Pre-eclampsia = 3 / 78 severe ¼	Asymptomatic = 22/78	No History travel or meeting infected case Non- Severe COVID-19 in mother=78/82	Total deliveries=82 Caesarean births = 37/78, severe 4/4 Vaginal deliveries = 41/78	Oxygen = 11/78, severe 4/4	Preterm birth = 1414/78 and 1/4 severe Very preterm = 7/78 and severe 3/4 NICU 19/78, severe = 3/4

Separate results for severe and non severe		Mar 12, to Apr 6, 2020	Puerta de Hierro University Hospital Gregorio Marañón University 12 Octubre University Hospital,				Asthma = 6/78, severe 0/4 Obesity =18/78; severe = 0 PROM 18/78 and severe 0 pPROM 4/78, severe =0		Severe COVID-19 in mothers = 4/82 Maternal COVID +ve on oro-pharyngeal swab for PCR Neonates COVID –ve = 2/82 on PCR (severe = 0)			Birthweight = 3060+3210 (Severe 1450)
Jonathan Cohen 2020 [176] Separate results for severe and non-severe	Retrospective	France	National French Survey	N=88	31 (28 to 34)	27 (4 to 40)	Smoker = 3/88 Diabetes=7/88	Fever = 44/88 Cough = 55/88 SOB = 40/88 Muscle ache = 50/88 Fatigue = 70/88 Nausea = 22/88 Vomiting = 14/88 Agueusia and/or anosmia = 67/88	History travel or meeting infected case = NR Non- Severe COVID-19 in mother = 82/88 Severe COVID-19 in mother = 6/88 Maternal COVID +ve 84/88nasopharyngeal swab for PCR; 6 CT	Total deliveries = 14 C-section = 5 Vaginal = 9	Hospitalization = 17/88 Oxygen = 6/88	NR
Loic Sentilhes 2020 [173]	Retrospective	Strasbourg, France March 1 to April 3	Strasbourg University Hospital	N= 38	31.1 + 6.4 >35 years = 12 White = 22 Black 16 Asian = 0	Mean = 29.3 + 8.5 Nulliparous = 9	Obese = 4 Chronic hypertension = 0 Asthma = 1 Diabetes = 0 Chronic disease = 3 Tobacco = 0 GDM = 4 GH = 1 Preeclampsia = 2 IUGR = 1 PROM = 0	Fever = 10 Cough = 25 SOB = 13 Diarrhea = 7 Fatigue = 38 Sore throat = 16 Asonmia or ageusia = 18	History travel or meeting infected case = 38 Non- Severe COVID-19 in mother = 27 Severe = 11 Maternal COVID +ve 38nasopharyngeal swab for PCR	Miscarriage = 1 Abortion = 0 Termination of pregnancy = 0 Ongoing pregnancy = 20 Total delivery = 17 Caesarean births = 7/17 Because of COVID = 6/7 Because of pregnancy reason = 1/7 Vaginal = 10/17	Antiviral = 3 Antibiotic = 4 Corticosteroid = 0 Hydroxychloroquine = 0 Oxygen = 10 Noninvasive ventilation = 1 Invasive ventilation = 1 ECMO = 1 ARDS = 1 ICU = 3	Stillbirth= 0 Preterm birth = 5/17 Before 32 weeks = 3/17 Before 28 weeks = 2/17 Birthweight = 2810+982 SGA = 1/17 NICU admission = 3/17 Neonatal death = 0
Giles Kayem 2020 [177] Separate results for severe and non-severe	Retrospective	France Mar 1 to Apr 14, 2020	33 French maternity Units	N=617	>35 = 194 (severe 18)	14-21 weeks = 105/617 22-31 weeks = 238/617 32-36 weeks = 142/617 >37 weeks and postpartum 132/617	Obesity = 139/617 (critical 17/35) Type 1 or 2 diabetes = 14/617 (1 critical/35) History of preeclampsia = 27/617 (critical 4/35) Chronic hypertension = 18/617 = 3/35 GDM = 71/617 (critical = 3/35) Smoking = 16/617 (critical 4/35)	Cough = 384/617 Fever = 285/617 Anosmia = 172/617 Dyspnoea = 165/617 Diarrhoea = 54/617	History travel or meeting infected case = NR Non- Severe COVID-19 in mother = 489/617 critical COVID-19 in mother = 35/617 Maternal COVID +ve 597/617 nasopharyngeal swab for RT-PCR and 51 Chest CT Neonates COVID +ve 2/190 Maternal death = 1/617 (critical =1/35) Recovered = 486/617 (critical = 22/35)	Total deliveries = 181/617 (critical = 29/35) Fetal loss (14-21 weeks) = 5/181 (critical = 0) Caesarean section = 87/181 (critical 23/29) Indication for c section COVID = 45/181 (critical = 22/29)	Oxygen therapy = 93/617 Non-invasive ventilation = 10/617 Intubation = 35/617 ECMO = 6/617	Preterm births = 50/181 (critical = 23/29) Stillbirths = 7/181 (critical =2/29) NICU 37/190 (critical = 13/29) Neonatal death = 1/190 (critical = 1/29)
Valeria M. Savasi ^[178]	Cohort	Milan, Italy Feb 23 to Mar 28, 2020	Multicentre L. Sacco (Milan), Mangiagalli (Milan), S. Gerardo MBBM Foundation (Monza), Papa Giovanni XXIII (Bergamo), and San Matteo (Pavia) as hub maternity hospitals, and Hospitals of Padua, Florence,	N= 77	32 (15 to 48) 69% Caucasian	37.29 weeks	Chronic morbidity = 24/77	Fever = 41/77 Cough = 50/77 Dyspnoea = 19/77	History travel or meeting infected case = 27 (severe 5) Non- Severe COVID-19 in mother 63 Severe COVID-19 = 14 Maternal COVID +ve throat swab on PCR Neonates COVID +ve = 4/56 (Severe 0) nasopharyngeal swab for PCR	Total deliveries = 57 (severe 11) Caesarean delivery = 22/57 (severe 9/11) Vaginal delivery = 34/57 (severe 2/11)	Antibiotic = 27/77 Antiviral = 25/77 Hydroxychloroquine = 19/77 Oxygen support = 20/77	Preterm birth = 12/56 (severe 4/11) Birthweight = 3160 (840 to 4350) (severe 3275 (840 to 3770) Apgar score at 5 min = 10 (severe 10) NICU admission = 9/56 (severe 4/11)

			Lecco, Trento, Modena, Seriate and Piacenza.									
Alice Maraschini 2020 [179]	Prospective	Rome, Italy Feb 25 to April 22	Not reported	N=47	>35 years = 12	Nulliparous = 13 Singleton = 46 Multiple = 1	No comorbidity = 31 Comorbidity = 16 Obesity = 11 Autoimmune = 2 Diabetes = 2 Hypertension = 4 Smoking = 3 PROM = 2	Fever = 31 Cough = 30 Fatigue = 27 Myalgia = 14 Sore throat = 11 Rhinoorhea = 6 Dyspnea = 15 Headache = 9 Comting/diarrhea = 9 Chest pain = 2 Conjunctivitis = 0 Asymptomatic = 4	Neonatal covid +ve = 3 <24 hours = 1 >24 hours = 2	Vaginal = 24 Caesarean = 23 COVID related = 9 Pregnancy = 11	Antiviral = 17 Antibiotic = 19 Hydroxychloroquine = 17 Noninvasive eventilation = 22 Invasive ventilation = 9 ICU admission = 5 ECMO = 0 Maternal death = 0	Preterm = 15 Preterm < 32 = 4 Stillbirth = 1 Livebirths = 47 LBW = 10 NICU admission = 13 Neonatal death = 0
Rebecca Pierce-Williams 2020[180]	Case Series [180]	Philidelphia, USA March 5, April 20	12 US hospitals Multicentre	N=64	33.2±5.8 Black 28% White 25% Hispanic 31% Asian 5% Others 11%	29.9±5.8	Asthma/COPD = 16/64 Chronic hypertension/ cardiomyopathy = 11/64 Hypertensive disorder of pregnancy = 2/64 PROM = 1/64	NR	History travel or meeting infected case = NR Severe and critical COVID-19 in mothers = 44 + 20 = 64 Maternal COVID +ve = 64/64 on (RT-PCR) tests on nasopharyngeal swab (63) + bronchoalveolar lavage (1) Neonates COVID +ve 0 Maternal death = 0	Total delivered = 32 Caesarean birth = 24/32 Vaginal births = 8/ 64	Hydroxychloroquine = 52/64 Antibiotic = 36/64 Antiviral (remdesivir) = 16/64 Corticosteroid = 15/64 for maternal treatment Anticoagulation therapy = 47/64 Oxygen therapy = 52/64 CPAP = 5/64 Convalescent serum = 1/64 Intubated = 19/64	IUGR = 2/64 Stillbirth = 0 Preterm birth = 19/32 Very preterm (<34) = 10/32 Birthweight = 2403+858 / 33 NICU admission = 21/33 Apgar score at 5 min = 7.9±1.7 Neonatal death = 0
Federica Di Guardo 2020 [181]	Retrospective	Italy March 2020 to July 2020	two Italian tertiary referrals hospitals	N=145	31.5 + 5.63 Second tri = 11 Third tri = 134	36 + 5	Respiratory disease = 111		Maternal death = 7 Neonatal covid = 7	Vaginal delivery = 108 C section = 37	ICU admission = 8 Intubated = 8	Livebirths = 145 Neonatal death = 10 Preterm birth = 55
Elias Ortiz Molina 2020 [182]	Retrospective	Alcázar de San Juan , Spain 12 march to 17 April 2020		N=20	34.9 +4.9		Obese = 2 Smoker = 2 Pre-eclampsia = 2	Fever = 14 Cough = 13 Myalgia = 7	Contact history = 7	Ongoing preg = 12 Vaginal birth = 3 C section = 5	Hydroxychloroquine = 6 Antibiotic = 5 Oxygen = 3 Antiviral = 3 Interferone = 2 Heparin = 16 ICU admission = 2	
Amily H Adhikari [183]	Observational	Texas, USA March 18 to Aug 22, 2020	Parkland Hospital	N=252	27.0 + 6.6 Black = 18 White = 2 Hispanic 230 Other 2	73 Nulliparous	Mean BMI = 30.5 + 7.2 GDM = 14 Diabetes = 1 Hypertension = 12 Preeclampsia = 26	NR Asymptomatic = 107	Mild = 132 Moderate = 10 Severe = 3	Total delivery = 239 c-section = 65 vaginal deliveries = 174		Livebirths = 251 Abortion = 7 Preterm birth < 37 = 27 Preterm birth < 34 = 9 Stillbirth = 0 SGA = 31
Najeh Hcini 2021 [184]	Prospective	French Guinea June 16 to Aug 16, 2020	West French Guiana Hospital Center	N=137	25 median (21 to 31) Age 35 years = 18	Nulliparous = 30	Mean BMI = 26.1 median (22.3 to 30.8) Obese = 48 Hypertension = 2 CVD = 2 Anemia = 5 Preeclampsia = 15 GDM = 13 Dengue = 1 Hep B = 6 STI = 3	Asymptomatic = 87 Fever = 21 Headache = 17 Anosmia/ageusia = 12 Tiredness = 9 Cough = 8 Diarrhea = 3 Abdominal pain = 3 SOB = 2	Mild to moderate = 45 Severe to critical = 5 Maternal death = 0 Covid in neonates = 0	Vaginal birth = 108 Caesarean birth = 19	ICU admission = 8 Oxygen = 3	Preterm < 37 weeks = 11 Preterm birth <34 weeks = 1 Livebirths = 127 Birthweight = 3090 (2755 , 3376) NICU = 3
Katherine H. Campbell 2020 [185]	Prospective	Connecticut, USA April 2 to April 29	Greenwich, Bridgeport, new haven	N= 30	>35 years = 6	Nulliparous = 16		Asymptomatic = 22 Asymptomatic = 8	Positive neonatal = 0	Caesarean delivery = 10		Preterm birth = 0 Birthweight = 3370 + 621

William S. Vintzileos 2020 [186]	retrospective	NYC, USA Mar 30 to April 12	NYU Winthrop Hospital	N = 32	31 years	NR	NR	Asymptomatic = 21 Symptomatic = 11	NR	NR	NR	NR
Malavika Prabhu 2020 [187]	Prospective Cohort	NY, USA March 22 onwards	Multicentre 3 hospitals in NY NewYork Presbyterian-Weill Cornell Medical Center, an academic tertiary care hospital, NewYork Presbyterian-Lower Manhattan Hospital, a community affiliate in Manhattan, and NewYork Presbyterian-Queens, a community teaching affiliate and tertiary care center in Queens, NY	N=70	30.9 ±3.0 (sympt) 31.6 ±2.3 (Asymptomatic) White=15 Black = 11 Asian = 9 Hispanic = 19 Unknown = 35 Public insurance = 34 Private = 36	38.6 ± 0.71(sympt) 38.8 ± 0.4 (Asymptomatic)	PROM = 3/70 Chronic hypertension = 3/70 GDM = 10/70 Asthma = 6/70 Obese = 12/70 Smoker 1/70 Type 2 diabetes = 1	Asymptomatic =55/70 Cough = 7/70 Fever = 5/70	Maternal COVID +ve 70/70 nasopharyngeal swab for RT-PCR Neonates COVID +ve 69	Total deliveries = 70 Caesarean births = 32/70 All pregnancy related Vaginal deliveries = 38/70	Hydroxychloroquine = 5/70 Antibiotic (Azithromycin) = 2/70 Oxygen therapy = 3/70 ICU admission = 1/70 No treatment = 63/70	Livebirths = 69 Preterm birth = 11/69 Birthweight = 3149.6± 862.6 (Symp) 3060.9± 606.9 (Asympt) Apgar score at 5 min = 9 ±0 NICU admission = 13/69 Fetal death = 1
Rodney McClaren 2020 [188]	Retrospective study	NY, USA	Maimonides Medical Centre	N=125	31.8 ±5.3 Severe 31.8±5.3	30.26 ± 4.9 Severe 30.9 ±3.9	PROM = 1/12 Obesity = 6/12 (Severe 32.1± 4.9)	NR	History travel or meeting infected case = NR Maternal COVID +ve = 125 on oropharyngeal swab for PCR Severe COVID-19 in mothers = 12/125	Discharged home with ongoing pregnancies = 3 Total deliveries = 9 Caesarean births = 7/9 COVID related = 6/7 Pregnancy complication related = 1/7 Vaginal delivery = 2/9	ICU admission = 9 Intubation = 1 Oxygen = 4	Preterm births = 8/9
Rasha Khoury 2020 [189]	Retrospective	NY, USA March 13 April 12	Multicentre 5 USA cities Bronx, Manhattan, and Queens (Montefiore Medical Center; Mount Sinai Health System, including Mount Sinai Hospital and Mount Sinai West; its affiliate, NYC Health and Hospitals-Elmhurst Hospital; NewYork-Presbyterian Hospital-	N=241	32 ± 3.92 Private insurance = 89 Government = 432 Black = 24 White = 67 Hispanic = 97 Others = 33	Nulliparous = 52 Multiparous = 149	No comorbidity = 128 Anemia = 16 Asthma = 12 Cardiac disease = 2 Dibetes = 9 Hypertension = 10 Preeclampsia = 17 Gestational hypertension = 15 GDM = 27 Obese = 98 Mean BMI30.5 ± 3.92	Asymptomatic = 148 Cough = 54 Fever = 46 Dyspnoea = 19 Myalgia = 12 Headache = 10 Anosmia = 9 Sore throat = 8 Nasal congestion = 7 Gastrointestinal = 6 Ageusia = 15 Others = 6	Maternal COVID +ve on oropharyngeal swab for PCR (RT PCR) Maternal mortality = 0 Neonates COVID –ve = 6/245 on PCR nasopharyngeal	Total deliveries = 241 Vaginal deliveries = 136 Caesarean births = 100 All pregnancy related Operative vaginal = 5	Maternal ICU = 17 Intubation = 9	Livebirths = 245 (233 singleton; 6 twins) Preterm births < 37= 34 Preterm births < 34 =10 Birthweight = 3135 ±165.81 Mean Apgar score at 5 mins = 9± 0 NICU admission = 61 Birth asphyxia = 70/245 Stillbirths = 2

			Columbia University; and New York University Langone Health, including NYU Langone Hospitals, Manhattan campus, and NYU Langone Hospitals- Brooklyn									
Viktoriya London 2020 [190]	Retrospective study	NY, USA Mar 15 to Apr 15, 2020	Brooklyn hospital	N=68	30	NR	Comorbidity = 19/68 Preeclampsia = 3/55	Asymptomatic = 22/68 Fever = 46/68 Cough = 46/68 Shortness of breath =46/68 sore throat = 46/68 Nausea/vomiting =46/68	History travel or meeting infected case = NR Non- Severe COVID-19 in mother = 68/68 Maternal COVID +ve nasopharyngeal swab for PCR Neonates COVID –ve = 55/55 nasopharyngeal swab for PCR Maternal death = 0	Total deliveries = 55/ 68 Discharged with ongoing pregnancies = 12/68 Caesarean section = 22/55	Oxygen = 12/55 Mechanical ventilation = 1/55 Hydroxychloroquine = 16/55 Antibiotic = 16/55	Preterm birth = 9/55 Very preterm birth (<34) = 3/55
Erica Lokken 2020 [191]	Retrospective	Washington, USA Jan 21 to April 17	Six hospitals in Washington	N=46	Median 29 (26-34) Asian = 2 Hawaiian = 1 Black = 3 White =28 Multiracial; = 1 Other = 2 Unknown = 9 Hispanic = 11 Non-hispanic = 33 Unknown = 2	Second trimester = 20 Third trimester = 23	Type 2 diabetes = 3 Asthma = 4 Hypothyroidism = 3 Hypertension = 2 Other comorbidities = 5 Underweight = 1 Normal = 14 Overweight = 12 Obese = 15	Asymptomatic = 3 Cough = 30 Fever = 22 Congestion = 21 Dyspnoea = 19 Headache = 14 Loss of taste or smell = 13 Myalgia = 13 Fatigue = 12 Sore throat = 12 Other symptom = 10 Nausea or vomiting = 5 Diarrhoea = 3	History travel or meeting infected case = NR Maternal COVID +ve = 46 on oropharyngeal swab for PCR Non-Severe COVID-19 in mothers = 40/46 Severe COVID-19 in mothers = 6/46	Severe Total deliveries = 8 (severe 1) Discharged with ongoing pregnancy = 38 (5) Caesarean section = 3 (severe =1) Indication COVID related = 1/3 Vaginal deliveries = 5/8	Antiviral (rmdesivir)= 3 Hydroxychloroquine = 1 Corticosteroid (for mat) = 1 Antibiotic (ceftriaxone+azithromycin) = 1 ICU admission = 1	Preterm = 1/8 Livebirths = 7 Stillbirth = 1
Cassandra R. Duffy 2020 [192] Out Universal testing	Case series	Boston, USA April 1, 14 2020	Beth Israel Deaconess Medical Centre	N= 15	NR	NR	NR	Asymptomatic	Maternal COVID +ve on oropharyngeal swab for PCR (RT PCR)	NR	NR	NR
Ilona Telefus Goldfarb 2020 [193]	Prospective cohort	Boston USA Mar 6 to May 4, 2020	Massachusetts General Hospital, Boston	N=61	29 years Hispanic and 35 non-Hispanics	24 weeks in both groups	Obesity = 26/61 Diabetes = 5/61 Asthma = 6/61	NR	History travel or meeting infected case = NR Non-severe COVID-19 in mothers = 61 Maternal death = 0	NR	ICU admission =6/61 Intubated = 4/61	NR
Farnoosh Qadri 2020 [194]	Case series	Michigan, USA	Beaumont Hospital Dearborn	N=16 Black = 11	NR	22 to 40.3 weeks	PROM = 2/16 Obesity = 10/16	NR	Maternal COVID +ve on oropharyngeal swab for PCR (RT PCR) Neonates COVID –ve = 10	Total deliveries = 10/16 Vaginal = 8/10 Caesarean delivery = 2 Pregnancy elated =2	Antibiotic (azithromycin) = 2/16 Hydroxychloroquine =2/16 Antiviral (Remdesivir) = 2/16 Steroid = 2/16	Preterm birth = 1/10

		March 26 April 10, 2020									Oxygen therapy = 2/16	
Ian Griffin 2020 [195]	Retrospectiv e	NJ, USA April 21 to May 5	two hospitals within the Atlantic Health System (AHS)	N= 27	NR	38.9 ±1.5	NR	NR	Maternal COVID +ve 27 nasopharyngeal swab for PCR Neonates COVID –ve 14/14	Total deliveries = 27 Vaginal deliveries= 17 Caesarean delivery = 10	NR	Birthweight = 3317 ±501
Allie Sakowicz 2020 [196]	Retrospectiv e	Chicago, USA April 8 to May 31.	North-western Memorial Hospital	N=101	30.6 +/- 18.2 Public insurance = 62 Asian =3 Black = 28 White = 23 Other 46 Latin = 53	Nulliparous = 30	Tobacco use = 9 Diabetes = 1 Hypertension = 7 Pulmonary disease = 22 GDM = 6 Obese = 35 Mean BMI = 32.3 ±3.4	Asymptomatic = 24 Symptomatic = 77				
Dilek Sahin 2020 [197]	Prospectiv e study	Ankara, Turkey March 11 to Sep 10, 2020	Ministry of Health Ankara City Hospital	N=533	Age 28.04±5.8 4	24.97 + 11.16 First tri = 130 Second = 15 Third = 238	Mean BMI 26.49± 5.47 Obese = 71 Hypothyroidism = 28 Hypertension = 23 Diabetes = 8 Asthma = 8 Rheumatological disease = 7 Cardiovascular = 5 Thalassemia = 2 Diabetes 1 = 3 Renal disease = 2 Epilepsy = 2 ITP = IUCG = 5 GDM = 3 GH = 4 Pre-eclampsia = 5 Placental abruption = 1 DVT = 1	Asymptomatic = 165 Cough = 178 Myalgia = 168 Dyspnea = 99 Sore throat = 83 Fever = 71 Headache = 65 Anosmia = 64 ageusia = 46 nausea/vomiting = 32 nasal congestion = 28 diarrhea = 21 chest pain = 12	Close contact = 128/533 Non-severe = 516/533 Severe = 17 / 533 Maternal COVID +ve on oro- pharyngeal swab for PCR (RT PCR) Neonatal COVID positive = 0 Maternal; mortality = 2	Delivered = 131 Ongoing preterm = 389 Vaginal delivery = 44 Caesarean = 87	Anticoagulant = 220 Hydroxychloroquine = 55 Antiviral (Lopinavir, ritonavir) = 39 Corticosteroid = 20 Antibiotic (Azithromycin) = 17 Plasma = 3 Immunotherapy = 1 Oxygen = 17 Invasive mechanical ventilation = 2 ICU admission = 7	Preterm delivery = 22 Pregnancy loss = 13 Livebirths = 132 (128 singleton; 2 twins) Birthweight = 3100.80 + 626.62 Apgar score at 1 min = 8 Apgar score at 5 min = 9 NICU admission = 13/132
Mehmet Yekta Oncel 2020 [198]	Cohort	Istanbul, Turkey	Multicentre cohort	N=125	Urban = 119 Rural = 6	36.7 + 0.5 34.2 + 4.2	GDM = 7/125 Preeclampsia = 6/125 Hypertension = 2/125 Placenta previa = 1 /125 Smoking =8/125	NR	Health care workers = 8 Non- Severe COVID-19 in mother = 117 Severe = 8 Maternal COVID +ve nasopharyngeal swab for PCR Neonates COVID +ve 4 on nasopharyngeal swab RNA Maternal deaths = 6	Total deliveries = 125 Caesarean births = 89 Vaginal deliveries = 36	Mechanical ventilation = 8/125 ICU admission = 8	Livebirths = 125 NICU admission = 34 Preterm births (<37 weeks) = 33/125 Birthweight = 3117.5 + 124.7 (COVID-19 –ve) 2437.5 + 886.4 LBW = 16/125 Apgar score at 1 min 7.7 + 0.19; 7.2 + 1.4 Apgar score at 5 min = 9.9 + 0.19; 8 + 0.9 Neonatal mortality = 1
Jie Yan 2020 [199]	Case series	Hubei province, China Jan 20 to Mar 24, 2020	Multicentre 25 hospitals in China	N=116	NR	38 weeks	GDM = 9 (7.8) Hypertension = 5 (4.3) Preeclampsia = 4 (3.4)	Fever = 59 (50.9%) Cough = 33 (28.4%) Fatigue = 15 (12.9) SOB = 9 (7.8) Sore throat = 10 (8.6) Myalgia = 6 (5.2) Dyspnoea = 3 (2.6) diarrhoea = 1 (0.9) Asymptomatic = 27 (23.3%)	History travel or meeting infected case = NR Non-severe COVID-19 in mothers = 108 Severe COVID-19 in mother = 8 Maternal COVID +ve = 116 (100%) on throat swab on PCR + CT scan Maternal death = 0	Total deliveries = 99 Caesarean births = 85 (85.9%) COVID related 33 (38.8) Pregnancy related = 52 (62.2%) Vaginal deliveries = 14 (14.1%) Abortion = 1	Antibiotic (Piperacilin, sulbactam, Imipenam, Moxifloxacin, Cephalosporin, linezolid, meropenam, polymyxin, sulphanilamide, azithromycin, levofloxacin, vancomycin, omidazole) = 109 Antiviral (Oseltamivir, Ganciclovir, Arbidole,	Preterm birth 21/99 (21.2%) PROM = 6/99 Neonatal asphyxia = 1 Birthweight = 3108 +/- 526 Apgar score = 9 Apgar score at 5 min = 10 NICU admission = 47 (47%) Neonatal death = 1

											interferon, lopinavir, peramivir, ribavirin) = 63 Corticosteroid (methylprednisolone) (for mat) = 37 ICU admission = 8 Non-invasive ventilation = 6 Invasive ventilation = 2 ECMO = 1 Plasmapheresis = 1	
Zhang Lu 2020 [200] Chinese study	Case series	Wuhan, China Jan 30 to Feb 17, 2020	Wuhan University People's Hospital	N = 16	29.3±2.9	38.7±1.4	GDM = 3 Pre-eclampsia = 1	Cough = 16 Diarrhoea = 16	History of travel or contact with +ve case = NR Non-Severe COVID-19 in mothers = 15 Severe COVID-19 in mothers = 1 Maternal COVID +ve = 16 (100%) Neonatal COVID +ve = 0 out of 10 analysed on pharyngeal swab	Total number of deliveries = 16 Caesarean sections = 16 (100%)	NR	PROM = 3 (18.75%) Fetal distress = 1 (6.25%) Placental abruption = 1 Livebirths = 16 Mean Birthweight = 3139±437 Preterm birth = 3 (18.75%) Neonatal asphyxia = 1 (6.25%) Neonatal death = 0
Lian Chen 2020 [201] Given as severe and non-severe separately	Case series	Wuhan, China \Dec 8, 2019 to March 20, 2019	Wuhan	N=118	Median 31 (28-34)	NR	NR	Asymptomatic = 6 Fever = 84 (75%) Cough = 82 (73%) Chest tightness = 20 (18%) Fatigue = 19 (17%) Dyspnoea = 8 (7%) Diarrhoea = 8 (7%) Headache = 7 (6%)	History of travel or contact with +ve case = 25 yes; 1 NR; 92 No Non-Severe COVID-19 in mothers = 109 Severe COVID-19 in mothers = 9 Maternal COVID +ve = 118 (100%) 84 Laboratory diagnosed + 34 clinically diagnosed Neonatal COVID +ve = 0	Total number of deliveries = 68 (58%) Caesarean section = 63 (93%) Vaginal deliveries = 5 (7%) Discharged with ongoing pregnancy = 41 (35%) Abortion = 9 (8%)	NR	Livebirths = 70 (100%) Preterm birth = 14 (21%) Median Apgar score at 1 min = 9 (8-9) * out of 66 Neonatal asphyxia = 0 Neonatal death = 0
Yangli Liu 2020 [202]	Case series	Wuhan, China Dec 8, 2019 to Feb 25, 2020	Hospital of Sun Yat-sen University	N = 13	Range 22 to 36		PROM = 1 Fetal distress = 3	Fever = 10 (76.9%) Dyspnoea = 3 (23.1%)	Travel history to Wuhan or close contact to positive case = 13 (100%) Non- Severe COVID-19 in mother=12 Severe COVID-19 = 1 Maternal COVID +ve = 13 (100%) Laboratory confirmed Neonates COVID +ve = 0	Total number of deliveries = 10 Caesarean sections = 10 (100%) Reasons for C-section = fetal distress =3 (30%) PROM = 1 (10%) Discharged with ongoing pregnancy = 3	Oxygen = 1 ICU = 1 Intubate =1 MODS = 1 ARDS = 1 ECMO = 1	Stillbirth = 1 (10%) Preterm birth = 6 (60%) Livebirths = 9 (90%)
Jing Liao 2020 [203] Individual cases given	Retrospective	Wuhan China Jan 20 to Mar 2, 2020	Zhongnan Hospital	N=10	31.9 ± 3.34	38.7 ± 1.42 weeks	NR	Fever =5 Cough =3 Sore throat =1 Dyspnoea = 0 Chest pain = 0 Myalgia =0 Diarrhoea = 0	History travel or meeting infected case = NR Non- Severe COVID-19 in mother Maternal COVID +ve = 10 on throat swab test + Chest X ray Neonates COVID –ve = all nasopharyngeal swab for PCR	Total deliveries = 10 Vaginal delivery = 10	NR	Total live births =10 Preterm birth =1 Neonatal asphyxia = 0 Birthweight 3283g ± 449
Xu Qiancheng 2020 [204]	retrospective	Wuhan China Jan 15 to Mar 15, 2020	Yijishan Hospital of Wannan Medical College	N=28	30 ±1.28	38 ±0.61 First trimester = 3 Second trimester = 1 Third trimester = 24	Hypertension = 1/28 Diabetes = 2/28 Hepatitis = 2/28 Hypothyroidism = 1/28	Fever = 5/28 Malaise = 1/28 Cough = 7/28 Dyspnoea = 2/28 Abdominal pain = 5/28	Non- Severe COVID-19 in mother= 26 Severe = 2 Neonates COVID –ve = 0 Maternal death = 0	Caesarean section = 17 Vaginal = 5 Medical abortion = 4 Ongoing pregnancies = 2	Antiviral (ribavirin, Umifenovir, and interferone) = 21/28 Antibiotics (cephalosporin, quinolone) = 24 Corticosteroid = 4 Immunoglobulin = 3 Hospitalization = 7/28	Livebirths = 23 (singleton = 21, 1 twin) Preterm birth = 1 Birthweight = 3130± 117.11 LBW = 1 Apgar score at 1 min = 10 ±0 Apgar score at 5 min 10 ±0 Neonatal asphyxia = 0 NICU admission = 0
Fang Liu 2020 [205]	Retrospective	Shanghai, China Jan 23 to March 4	Shanghai Children's Medical Center	N=21	31±1	NR	NR	Fever = 8 Cough = 6 SOB = 1 Fatigue 8 Loss of appetite = 2	Exposure = 8	NR	ICU admission = 1 Mechanical ventilation = 1	NR
Rui Nei 2020 [206]	Retrospective	Hubei, China Jan 1 to Feb 20, 2020	Yichang Central People's Hospital	N= 33	30.5 + 3.1	8 Nulliparous = 25 Multiparous	Cardiovascular = 9 Depressive = 1 Digestive = 1 Endocrine = 2 Nervous system = 1 Infectious disease = 1 PPROM = 3	Asymptomatic = 4 Fever= 21 Cough = 13 Fatigue = 7 SOB = 7 Diarrhea = 6 Myalgia = 5 Sore throat = 5	Travel/contact history = 32; 1 no Non- Severe COVID-19 in mother= 32 Severe = 1 Neonates COVID –ve = 1	Total deliveries = 27 Ongoing pregnancies = 5 Induced abortion = 1 Vaginal deliveries = 5 Caesarean section = 22	Oxygen therapy = 30 Non-invasive ventilation = 1 Invasive ventilation = 0 Antiviral = 33 Antibiotic = 29 Corticosteroid = 11 Chinese medicine = 12 ICU admission = 0	Livebirths = 28 (singleton 26, 1 twin) Preterm birth = 10/28 Birthweight = 2988± 502 LBW = 5 Apgar score at 1 min = 8.9 + 0.8 Apgar score at 5 min = 9.7 + 0.5 NICU admission = 1 Neonatal death = 0

							Gestational hypertension = 2 GDM = 2 Fetal distress = 4	Chest pain = 1 Abdominal pain = 1	Maternal death = 0		ARDS = 1	
Aya Mohr-Sasson 2020 [207]	Case series	Israel March to April 2020	university-affiliated tertiary medical centre	N=11	Age = 33.2 ±9.1	36.6± 1.03 Third trimester = 11/11		Fever = 3/11 Weakness = 5/11 Respiratory = 6/11 Gastrointestinal = 2/11 Others = 2/11	Non-severe = 10/11 Severe = 1/11 Maternal COVID +ve on oropharyngeal swab for PCR (RT PCR) 11/11	Deliveries = 11/11 Ongoing pregnancies = 6/11 Caesarean birth = 2/11 and 2 related to COVID related Vaginal deliveries = 9/11	Hospitalised = 7/11 Intubated = 1/11	NR
Arun Harishchandra Nayak 2020 [208]	Cohort	Mumbai, India Apr 1 to May 15, 2020	Medical College, central Mumbai	N= 141	< 20 = 8 21-25 = 64 26-30 = 57 >30 12	Nulliparous = 55 Multiparous = 86 All third trimester	Diabetes = 4 GDM = 4 Hypertension = 7 Pre-eclampsia = 7 Asthma = 24 hypothyroidism = 5 Anaemia = 5 HIV = 1 Others = 2 Total = 27		Maternal COVID +ve on oropharyngeal swab for PCR (RT PCR) Maternal deaths = 3 Neonates COVID –ve =3	Total deliveries = 134 Vaginal deliveries = 66 Instrumental = 1 Caesarean section = 67 Abortion = 6 Ectopic pregnancy = 1		LBW = 39/131 Stillbirths = 3 NICU admission = 24
Ceulemans 2020 [209] Universal screening	Cohort	Belgium	North-East Flanders	N=13				Asymptomatic = 8 Upper airway symptoms = 4	Non- Severe COVID-19 in mother = 13 Maternal death = 0		ICU admission = 0	
Jayasree Santhosh 2020 [210] Non-severe and severe	Retrospective	Oman	Royal Hospital	N=60	32 ± 6	Median 35 (30 to 37)	Hypertension = 3 Diabetes = 5 GDM = 15 Haematological disease = 8 Anaemia = 26 PROM = 1 Pre-eclampsia = 1	Asymptomatic = 16 Fever = 18 Cough = 24 Rhinorrhoea/sore throat = 13 Myalgia = 8 Fatigue = 1 Headache = 9 SOB = 8 Vomiting/diarrhea = 12 Anosmia/ageusia = 5	Non- Severe COVID-19 in mother = 50 Severe COVID-19 in mother = 10	Deliveries = 48 Ongoing pregnancy = 8 Vaginal delivery = 24 Instrumental delivery = 4 Elective 13aesean = 6 Emergency caesarean = 14 COVID related caesarean = 3 Obstetric related = 22		Preterm birth (34 to 37) = 14 Preterm birth (24 to 34) = 4 Miscarriage = 4 Stillbirth = 1/47 LBW < 2500 = 15/ 47
Muhammad Azeem Khan 2020 [211]	Retrospective	Karachi, Pakistan 27 April to 16 June 2020	Indus Hospital	N=66	-	-	-	-	Non- Severe COVID-19 in mother = 66 Neonates = all negative	Delivered = 66 Vaginal delivery = 20 Caesarean births = 47 (elective =7; emergency = 40)	-	Live births = 67 (65 singleton and 1 twin)
Brisandy Ruiz Mercedes 2020 [212]	Retrospective	Dominican Republic March 20 June 30, 2020	Single centre	N= 154	29.87 + 5.83	32.31 + 3.68	BMI = 28.0 + 2.6	SOB = 10/15 2 = palpitations fatigue = 1	All moderate disease = 154 Severe COVID = 34 Matrna; death = 2/15	Delivered = 15/15 Ceasarean = 15/15	ICU admission = 34 Intubate = 13	Preterm delivery = 9/15 Neonatal death = 1/154 Birthweight = 2200 + 700 LBW = 7/15 NICU admission = 5/15
Mahtab Sattari 2020 [213]	Retrospective	Hamadan - Iran Jan 6 to June 21, 2020	hospitals of Hamadan Province	N=50	29.20 + 5.8 (18-38)	28.42 + 8.2	Smoking = 3 Diabetes = 1 Hypertension = 2 Heart disease = 2	Fever = 30 Cough = 27 Myalgia= 9 Fatigue = 6 Diarrhhea = 2 Nausea = 9 Duspsnea = 27	Recent travel = 20 Non-severe = 42 Severe = 8 Maternal death = 2 Newborn Positive = 7	Ongoing pregnancy = 26 Deliveries = 24 Vaginal delivery = 14 Caesarean birth = 10	ICU admission = 4	Preterm birth = 7 Apgar score at 1 min = 8.12 + 1.61 Apgar score at 5 min = 9.24 + 1.2
Ensiyeh Jenabi 2020 [214]	Case-control	Hamadan - Iran Sep 1 to Nov 15, 2020	Hamadan University of Medical Sciences	N=90	29.47+5.64 and 28.78 + 6.92	31.13 + 2.87 and 37.26 + 2.56	Any comorbidity = 22 Pre-eclampsia = 15	Asymptomatic = 45	Ytavel history = 14	c-section = 39	Hospitalization = 2	Peterm birth = 18 LBW = 16 Neonatal death = 3

Soudabeh Kazemi Aski [215]	Retrospective	Rasht, Iran Early Mar to Late Apr 2020	Al Zahra Hospital	N=70			<25 BMI = 15 26-29 = 18 >29 = 28 Diabetes = 5 Hypothyroidism = 11 Hypertension = 2 Renal disease = 2 Migraine = 1	Fever = 54 Cough = 27 Myalgia = 20 SOB = 16 Chills =13 Sore throat =7 Runny nose = 5 Headache = 5 Sickness = 3 Anorexia = 3 Order disorder = 2 Taste disorder = 2 Diarrhea = 1	14 close contact history Maternal deaths = 2	C section = 24 Vaginal births = 8	Antibiotics = 57 Corticosteroid = 5 Antiviral = 50 ICU admission = 2	Livebirths = 34 Singleton = 32, twin = 1 peterm births = 15 NICU admission = 4 Neonatal deaths = 2
Citra NZ Mattar 2020 [216]	Prospective study	Singapore 15 Mar to 22 Aug 2020	4 tertiary hospitals	N=16	Age range 23-36 Asia = 13 White = 3	First trimester = 6 Second trimester = 7 Third trimester = 3	Asthma = 2	Asymptomatic = 3 Rhinnorrhea = 5 Anosmia/ageusia = 4 Sorethroat = 9 Cough = 9 Diarrhea = 2 Fever = 4	Contact and travel history = 9	Ongoing preg = 9 Miscarriage = 2 Vaginal = 5	Oxygen = 1	
Katarina Remaeus 2020 [217]	Retrospective	Stockholm Sweden March 19 to April 26, 2020	Karolinska Institute	N=67	32 (19-42)		BMI = 27 (18-38) Underweight = 25 Overweight = 22 Obese = 19 Smoking = 66 Preeclampsia = 14 Asthma = 6 Diabetes = 10			Total deliveries = 67 Vaginal = 47 Caesarean = 20	ICU admission = 4	Livebirths = 67 (singleton = 66; 1 Twin) Preterm birth = 13 Preterm 32-37 = 9 <32 = 3 <28 = 2 Stillbirths = 1 Neonatal death = 1 SGA = 3 NICU admission = 12
Amihai Rottenstreich 2020 [218]	Retrospective	Israel March 15 to July 4	7 uni hospitals	N=52	28 (24-35) >35 = 16 Nulliparous = 9		GDM = 6 GH = 7	Fever = 11 Cough = 14 Dyspnea = 6 Sorethroat = 4 Gastrointestinal 4 Anosmia/aguesua = 5		Vaginal deliveries = 39 Caesarean = 13	Intubation = 1 ICU admission = 1	Preterm birth = 17 < 34 weeks = 9 Birthweight = 3280 (2927 – 3606) NICU admission = 6
Mohsen A A Farghaly 2020 [219]	Retrospective	New York, USA March to May 2020	Brookdale University Hospital	N=15	33.40 + 7.2 Black = 11 Hispanics = 2 Others = 2		Smoker = 0 Alcohol = 0 Comorbidities = 6	Fever = 1 Sorethroat = 3 Cough = 4 Dyspnea = 2 Hypoxia = 0 Myalgia= 3 Diarrhea = 1 Asymptomatic = 9	Neonatal positive = 3	Delivered =15 Vaginal 15 Caesarean = 10		Apgar score at 1 = 7.4 + 2.5 Apgar score at 5 mins = 8.33 + 1.4 Preterm = 2 Birthweight = 2800 + 100 NICU admission = 10
Laura D Zambrano 2020 [220]	Retrospective	USA Jan 22 to Oct 3, 2020	National data	N= 23434	<35 = 19414 >35 = 4020 Hispanic = 6962 Asian = 560 Black = 3387 White = 5508 Others = 958		Diabetes= 427 CVD = 304 Lund dis= 506 Kidney dis = 18 Liver dis = 17 Immunocompromised = 124 Newurological problems = 44 Psychiatric = 62 Autoimmune = 26 Severe obesity = 174 Any comorbidity = 7795	Cough = 5230 Fever = 3328 Myalgia = 3818 Chills = 2537 Headache = 4447 SOB = 2692 Sorethroat = 2955 Diarrhea 1479 Nausea/vomiting = 2052 Abdominal pain = 870 Runny nose = 1328 Anosmia/ageusia = 2234 Fatigue = 1404 Wheezing = 172 Chestpain = 369	Maternal death = 34		ICU admission = 245 ECMO = 174	
N la Cour Freiesleben 2020 [221]	Cohort	Denmark Feb 17, April 23, 2020	Danish Detal Medicine database	N=18	-	-	-	-	-	Ongoing pregnancy = 17 Pregnancy loss = 1	-	-

Monia Rios-Silva 2020 [222]	Retrospective	Mexico Until May 25, 2020	Ministry of health	N=448	Median = 29 (25-33)		Diabetes = 17 COPD = 1 Asthma = 11 Immunosuppression = 7 Hypertension = 17 Obesity = 59 CVD = 2 Kidney disease = 2 Smoking = 12 Another comorbidities = 32		Maternal death = 10		Mechanical ventilation = 7 ICU admission = 14	
Roman G. Shmakov 2020 [223]	Prospective	Moscow, Russia	Research was carried out at the National Medical Research Center for Obstetrics, Gynecology and Perinatology, Ministry of Healthcare	N=66	30.3 ± 6.25	31.3 ± 10.4 1 st trimester = 5 2 nd trimester = 7 3 rd trimester = 54	Mean BMI = 27.1 ± 4.6 Anemia = 11	Cough = 34 Pharyngitis = 8 Fever = 22 Anomia = 23 SOB = 11 Fatigue = 11 Asymptomatic = 15	Non-severe COVID-19 = 60 Severe COVID-19 = 6 Neonatal positive for COVID-19 = 0 Maternal death = 1	Abortion (<20 weeks) = 4 Ongoing pregnancy = 20 Delivered = 42 Caesarean delivery = 17 Vaginal deliveries = 23 Vacuum extraction = 2	Anticoagulant (low molecular weight heparin) = 66 Interferon alfa-b = 66 Antimicrobial (amoxicillin/clavulanic acid) = 32 Lopinavir/Ritonavir = 6 Oxygen therapy = 6 CPAP = 6 Mechanical ventilation = 2 Corticosteroid (dexamethasone) = 6 Immunoglobulin = 6	Births = 42 Preterm birth = 8 Mean birthweight = 3283 ± 477 Apgar score at 1 min = 7.8 ± 0.6 Apgar score at 5 min = 8.7 ± 0.5 Perinatal mortality = 0
Amal Ayed 2020 [224]	Retrospective	Kuwait Mar 2020 to May 31, 2020	Nationwide	N=185	31 median (27.5 to 34)	Nulliparous = 36 1 st tri = 21 2 nd tri = 64 3 rd tri = 95	Hypothyroidism = 7 Asthma = 4 diabetes = 1 arthritis = 1 Anxiety = 1 Peptic ulcer = 1 Crohns disease = 1 Thalassemia = 1 GDM = 19 Pre-eclampsia = 4 Fetal distress = 9	Fever = 105 Cough = 90 Anosmia = 10 Sorethroat/rhinorrhoea = 42 Malaise/fatigue = 26 Chest pain/SOB = 22 Vomiting/diarrhoea = 11 Asymptomatic = 21	COVID positive neonate = 0	Ongoing pregnancy = 16 Miscarriage = 3 c-section = 79 vaginal delivery = 86	Antiviral = 182 Antibiotic = 50 Heparin = 179 ICU admission = 2	Livebirths = 165 Birthweight = median 3006 (2750 to 3215) Mean apgar at 1 min = 8+1 Apgar score at 5 min = 9 + 1

	Was the research question or objective in this paper clearly stated?	Was the study population clearly specified and defined?	Was the participation rate of eligible persons at least 50%?	Were all the subjects selected or recruited from the same or similar populations (excluding the same time period)? Were inclusion and exclusion criteria for being in the study prespecified and applied uniformly to all participants?	Was a sample size justification, power description, or variance and effect estimates provided?	For the analyses in this paper, were the exposure(s) of interest measured prior to the outcome(s) being measured?	Was the blindness sufficient so that one could reasonably expect to see an association between exposure and outcome if it existed?	For exposures that can vary in amount or level, did the study examine different levels of the exposure as related to the outcome (e.g., categories of exposure, or exposure measured as continuous variable)?	Were the exposure measures (independent variables) clearly defined, valid, reliable, and implemented consistently across all study participants?	Were the exposure(s) assessed more than once over time?	Were the outcome measures (dependent variables) clearly defined, valid, reliable, and implemented consistently across all study participants?	Were the outcome assessments blinded to the exposure status of participants?	Was loss to follow-up after baseline 20% or less?	Were key potential confounding variables measured and adjusted statistically for their impact on the relationship between exposure(s) and outcome(s)?
Alice Maraschini 2020	●	●	●	●										
Allie Salowicz 2020	●	●	●	●	●								●	●
Amal Ayed 2020	●	●	●	●									●	●
Amihai Rotensreich 2020	●	●	●	●	●								●	●
Arun Harishchandra Nayak 2020	●	●	●	●	●								●	●
Augusto Pereira 2020	●	●	●	●	●								●	●
Brisandy Ruiz Mercedes 2020	●	●	●	●	●								●	●
Ceulemans 2020	●	●	●	●	●								●	●
Diken Sahin 2020	●	●	●	●	●								●	●
Emily H. Adhikari 2020	●	●	●	●	●								●	●
Ensiyeh Janabia 2020	●	●	●	●	●								●	●
Erica Lokken 2020	●	●	●	●	●								●	●
Fang Liu 2020	●	●	●	●	●								●	●
Federica Di Guando 2021	●	●	●	●	●								●	●
Francesca Crovetto 2020	●	●	●	●	●								●	●
Gabriele Saccone 2020	●	●	●	●	●								●	●
Giles Kayem 2020	●	●	●	●	●								●	●
Ian Griffin 2020	●	●	●	●	●								●	●
Iliana Telescu Ostorbart 2020	●	●	●	●	●								●	●
InterCOVID 2020	●	●	●	●	●								●	●
Jaynes Santhosh 2020	●	●	●	●	●								●	●
Jing Liao 2020	●	●	●	●	●								●	●
Jonathan Cohen 2020	●	●	●	●	●								●	●
Katarina Remaeus 2020	●	●	●	●	●								●	●
Katherine H. Campbell 2020	●	●	●	●	●								●	●
Laura O Zambrano 2020	●	●	●	●	●								●	●
Loic Sentilles 2020	●	●	●	●	●								●	●
Mahab Sattari 2020	●	●	●	●	●								●	●
Maira LT Takenobu 2020	●	●	●	●	●								●	●
Malavika Prabhu 2020	●	●	●	●	●								●	●
Manel Mendoza 2020	●	●	●	●	●								●	●
Mariam Knight 2020	●	●	●	●	●								●	●
Mariano Dorila 2020	●	●	●	●	●								●	●
Melmet Yelisa Oncel 2020	●	●	●	●	●								●	●
Mohsen A F Farghaly 2020	●	●	●	●	●								●	●
Monia Rios-Silva 2020	●	●	●	●	●								●	●
Monica Cruz-Lemini 2021	●	●	●	●	●								●	●
Muhammad Azeem Khan 2020	●	●	●	●	●								●	●
Najeh Hicini 2021	●	●	●	●	●								●	●
NeethiGS 2020	●	●	●	●	●								●	●
N la Cour Freireisenben 2020	●	●	●	●	●								●	●
Oscar Madinez-Perez 2020	●	●	●	●	●									

Supplementary File 5b: Methadological quality of Case Series

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