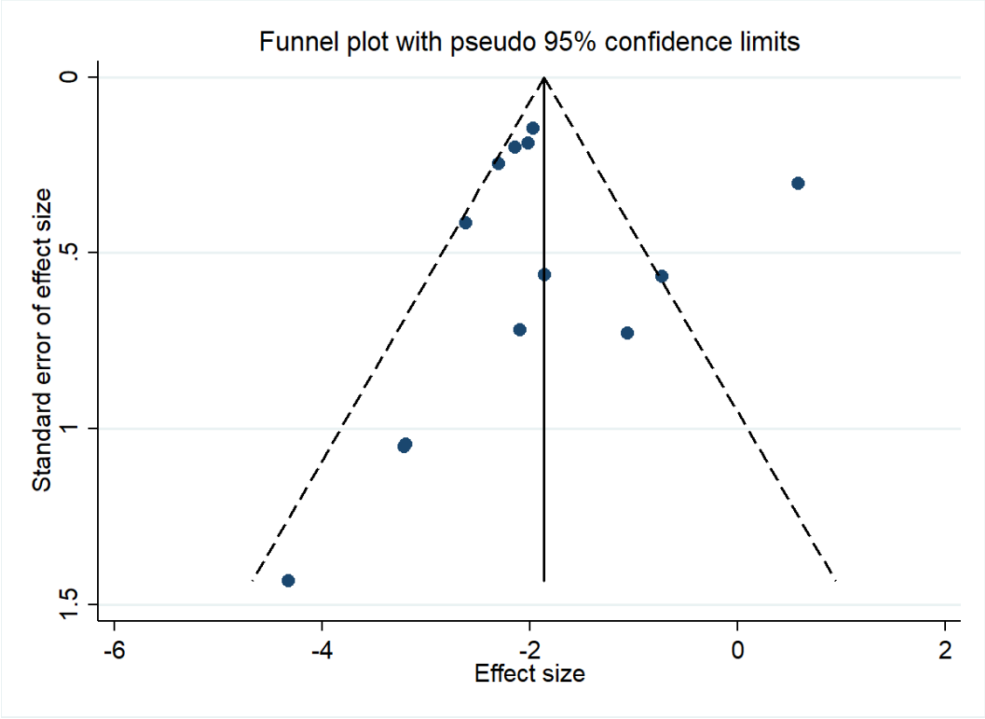
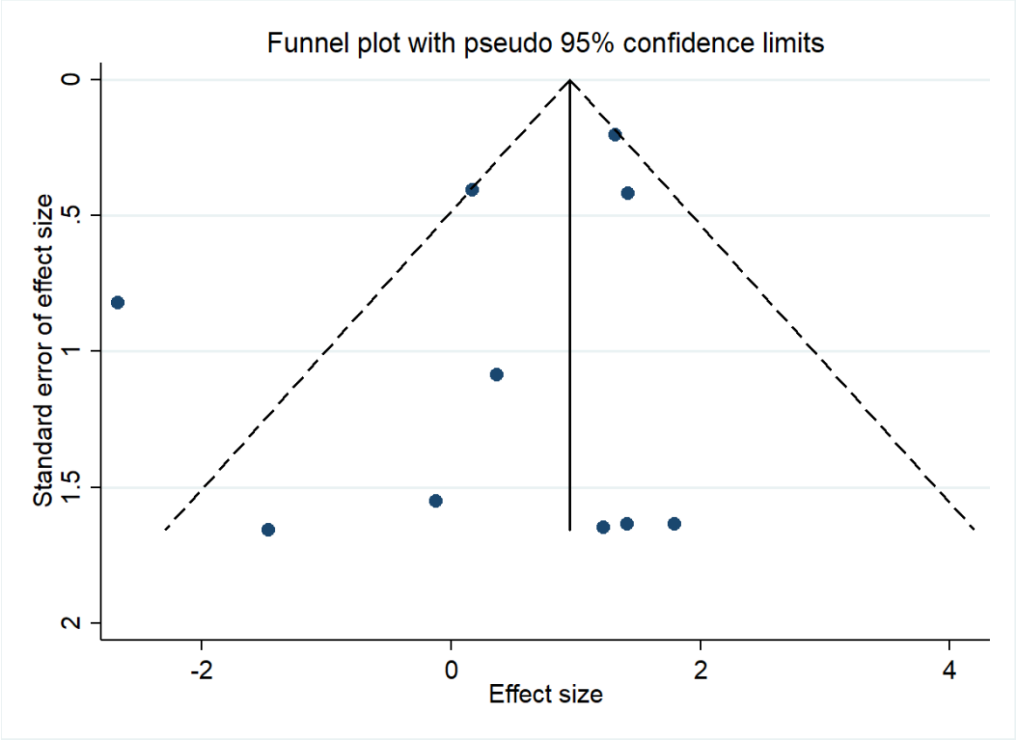


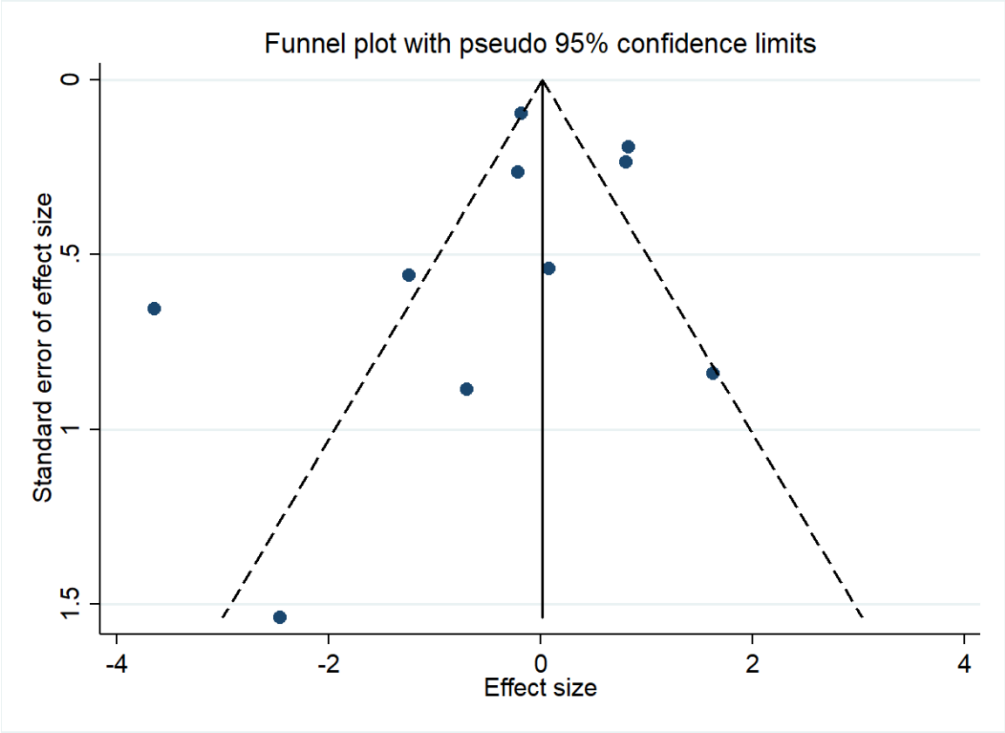
Supplementary Figure 1 Funnel plot for fever outcome.



Supplementary Figure 2 Funnel plot for cough outcome.



Supplementary Figure 3 Funnel plot for intensive care unit admission outcome.



Supplementary Figure 4 Funnel plot for mortality outcome.

### Supplementary Table 1 Search strategy

Database	Search strategy	Number of results
EMBASE	('child'/exp OR 'child' OR 'children' OR 'paediatric'/exp) AND ('coronavirus disease 2019'/exp OR '2019 novel coronavirus disease' OR '2019 novel coronavirus epidemic' OR '2019 novel coronavirus infection' OR '2019-ncov disease' OR '2019-ncov infection' OR 'covid' OR 'covid 19' OR 'covid 19 induced pneumonia' OR 'covid 2019' OR 'covid-10' OR 'covid-19' OR 'covid-19 induced pneumonia' OR 'covid-19 pneumonia' OR 'covid19' OR 'sars coronavirus 2 infection' OR 'sars coronavirus 2 pneumonia' OR 'sars-cov-2 disease' OR 'sars-cov-2 infection' OR 'sars-cov-2 pneumonia' OR 'sars-cov2 disease' OR 'sars-cov2 infection' OR 'sarscov2 disease' OR 'sarscov2 infection' OR 'wuhan coronavirus disease' OR 'wuhan coronavirus infection' OR 'coronavirus disease 2' OR 'coronavirus disease 2010' OR 'coronavirus disease 2019' OR 'coronavirus disease 2019 pneumonia' OR 'coronavirus disease-19' OR 'coronavirus infection 2019' OR 'ncov 2019 disease' OR 'ncov 2019 infection' OR 'new coronavirus pneumonia' OR 'novel coronavirus 2019 disease' OR 'novel coronavirus 2019 infection' OR 'novel coronavirus disease 2019' OR 'novel coronavirus infected pneumonia' OR 'novel coronavirus infection 2019' OR 'novel coronavirus pneumonia' OR 'paucisymptomatic coronavirus disease 2019' OR 'severe acute respiratory syndrome 2' OR 'severe acute respiratory syndrome 2 pneumonia' OR 'severe acute respiratory syndrome cov-2 infection' OR 'severe acute respiratory syndrome coronavirus 2 infection' OR 'severe acute	100

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respiratory syndrome coronavirus 2019 infection') AND ('influenza a virus'/exp OR 'influenza a virus' OR 'influenza virus a' OR 'human influenza a virus' OR 'influenza a 2 virus' OR 'influenza a2 virus' OR 'influenza virus a 2' OR 'influenza virus a2' OR 'influenza virus type a' OR 'myxovirus influenza a hominis' OR 'porcine influenza a virus')

PubMed

(((((("SARS-CoV-2"[MeSH Terms] OR "COVID-19"[MeSH Terms]) AND "influenza, human"[MeSH Terms]) OR "Influenza A virus"[MeSH Terms] OR "Influenza B virus"[MeSH Terms]) AND "Child"[MeSH Terms]) OR "Pediatrics"[MeSH Terms]) AND ("COVID-19"[All Fields] OR "COVID-19"[MeSH Terms] OR "covid 19 vaccines"[All Fields] OR "covid 19 vaccines"[MeSH Terms] OR "covid 19 serotherapy"[All Fields] OR "covid 19 serotherapy"[Supplementary Concept] OR "covid 19 nucleic acid testing"[All Fields] OR "covid 19 nucleic acid testing"[MeSH Terms] OR "covid 19 serological testing"[All Fields] OR "covid 19 serological testing"[MeSH Terms] OR "covid 19 testing"[All Fields] OR "covid 19 testing"[MeSH Terms] OR "SARS-CoV-2"[All Fields] OR "SARS-CoV-2"[MeSH Terms] OR "severe acute respiratory syndrome coronavirus 2"[All Fields] OR "ncov"[All Fields] OR "2019 ncov"[All Fields] OR (("coronavirus"[MeSH Terms] OR "coronavirus"[All Fields] OR "cov"[All Fields]) AND 2019/11/01:3000/12/31[Date - Publication]))))

Translations

Covid-19: ("COVID-19" OR "COVID-19"[MeSH Terms] OR "COVID-19 Vaccines" OR "COVID-19 Vaccines"[MeSH Terms] OR "COVID-19 serotherapy" OR "COVID-19 serotherapy"[Supplementary Concept] OR "COVID-19 Nucleic Acid Testing" OR "covid-19

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nucleic acid testing"[MeSH Terms] OR "COVID-19 Serological Testing" OR "covid-19 serological testing"[MeSH Terms] OR "COVID-19 Testing" OR "covid-19 testing"[MeSH Terms] OR "SARS-CoV-2" OR "sars-cov-2"[MeSH Terms] OR "Severe Acute Respiratory Syndrome Coronavirus 2" OR "NCOV" OR "2019 NCOV" OR (("coronavirus"[MeSH Terms] OR "coronavirus" OR "COV") AND 2019/11/01[PDAT] : 3000/12/31[PDAT])) -

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**Supplementary Table 2 Characteristics of the included studies (*n* = 16)**

<b>Author</b>	<b>Year of publication</b>	<b>Country</b>	<b>Study design</b>	<b>Sample size in COVID-19 group</b>	<b>Sample size in influenza group</b>	<b>Influenza type</b>	<b>Mean age (in years)</b>
Akkoc	2021	Turkey	Retrospective	32	22	Influenza A & B	COVID - 15.3 Influenza - 1.4
Asseri	2021	Saudi Arabia	Retrospective	73	34	H1N1	COVID - 1 Influenza - 3
Hedberg	2021	Sweden	Retrospective cohort	101	871	Influenza A & B	COVID - 7 Influenza - 2
Laris-González	2021	Mexico	Retrospective	133	295	Influenza A & B	COVID - 5.3 Influenza - 3.7
Li	2020	China	Retrospective	57	59	Influenza A	COVID - 1.6 Influenza - 1.9
Liang	2021	China	Retrospective	45	45	Influenza A	COVID - 2.6 Influenza - 2.6
Liu	2020	China	Retrospective	24	67	Any influenza	COVID - 5.9 Influenza - 2.9
Liu	2021	China	Retrospective	248	337	Influenza A & B	COVID - 6.96 Influenza - 2.67



Liu	2021	China	Case control study	171	35	Influenza A	COVID - 6.7 Influenza - 1
Piroth	2021	France	Retrospective cohort	1227	8942	Seasonal Influenza	NR
Pokorska-Śpiewak	2021	Poland	Prospective	15	32	Any influenza	COVID - 10.8 Influenza - 9.4
Siddiqui	2021	Turkey	Retrospective	206	411	Influenza A & B	COVID - 7.75 Influenza - 4
Song	2020	United States	Retrospective	54	291	Influenza A & B	COVID - 8.3 Influenza - 3.9
Sousa	2020	Brazil	Cross-sectional	2590	659	Any influenza	NR
Yilmaz	2021	Turkey	Retrospective	164	46	Influenza A & B	COVID - 8.7 Influenza - 8.3
Zhao	2020	China	Observational control	23	240	Influenza A	COVID - 5.7 Influenza - 5.7

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NR: Not reported.

**Supplementary Table 3 Quality assessment of the included studies (*n* = 16)**

S.N.	Author and year	Representativeness	Sample size justification	Non-response	Ascertainment of exposure	Control for confounding	Assessment of outcome	Statistical tests	Overall Quality
1	Akkoc 2021	0 star	0 star	0 star	1 star	1 star	1 star	1 star	Satisfactory
2	Asseri 2021	0 star	1 star	1 star	1 star	1 star	1 star	1 star	Good
3	Hedberg 2021	0 star	0 star	1 star	0 star	0 star	1 star	1 star	Poor
4	Laris-González 2021	0 star	1 star	0 star	0 star	0 star	1 star	0 star	Poor
5	Li 2020	0 star	0 star	0 star	1 star	1 star	1 star	1 star	Satisfactory
6	Liang 2021	0 star	0 star	0 star	1 star	2 stars	1 star	1 star	Satisfactory
7	Liu 2020	0 star	1 star	1 star	1 star	0 star	1 star	0 star	Poor
8	Liu 2021	0 star	0 star	1 star	1 star	0 star	1 star	1 star	Poor
9	Liu 2021	0 star	0 star	0 star	0 star	0 star	1 star	1 star	Poor
10	Piroth 2021	0 star	0 star	0 star	0 star	0 star	1 star	0 star	Poor
11	Pokorska-Spi	1 star	0 star	0 star	1 star	2 stars	1 star	1 star	Good

ewak 2021

12	Siddiqui 2021	0 star	0 star	1 star	0 star	0 star	1 star	1 star	Poor
13	Song 2020	0 star	0 star	1 star	0 star	0 star	1 star	1 star	Poor
14	Sousa 2020	0 star	0 star	0 star	0 star	0 star	0 star	1 star	Poor
15	Yilmaz 2021	0 star	0 star	0 star	1 star	0 star	1 star	1 star	Poor
16	Zhao 2020	0 star	0 star	1 star	1 star	0 star	0 star	1 star	Poor

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