**PubMed 8/14/23**

#1

(COVID [Title/Abstract] OR Covid 19 [Title/Abstract] OR Corona virus [Title/Abstract] OR Coronavirus [Title/Abstract] OR 2019-nCoV [Title/Abstract] OR SARS-CoV-2 [Title/Abstract] OR 2019-nCoV[Title/Abstract]) AND (long duration [Title/Abstract] OR persistent symptoms [Title/Abstract] OR post acute sequelae [Title/Abstract] OR postacute sequelae[Title/Abstract])

 OR

"Post-Acute COVID-19 Syndrome"[Mesh] OR "COVID-19/complications"[Mesh] OR PASC [Title/Abstract] OR Post acute COVID [Title/Abstract] OR Postacute COVID[Title/Abstract] OR "long covid"[Title/Abstract:~4] OR "chronic covid" [Title/Abstract:~4] OR "persistent covid" [Title/Abstract:~4] OR "covid complications"[Title/Abstract:~4] OR "post covid"[Title/Abstract:~4]

#2

"Vaccine Efficacy"[Mesh] OR "Disease Progression"[Mesh] OR "Hospitalization"[Mesh] OR protect\*[Title/Abstract] OR prevent\*[Title/Abstract] OR associat\*[Title/Abstract] OR correlat\*[Title/Abstract] OR efficacy[Title/Abstract] OR effect\*[Title/Abstract] OR improve\*[Title/Abstract] OR immunogenicity[tw] OR antibod\*[tw] OR symptom\*[tw] OR health[tw]

#3

 "Immunization"[Mesh] OR "COVID-19 Vaccines"[Mesh] OR vaccin\*[Title/Abstract] OR unvaccinated[Title/Abstract] OR immunization\*[Title/Abstract] OR variolation\*[Title/Abstract] OR "Immunologic stimulation"[Title/Abstract] OR Immunostimulation[Title/Abstract]

#4

Infant[Mesh:NoExp] OR Infant\*[tw] OR infancy[tw] OR Baby[tw] OR Babies[tw] OR Child[MeSH] OR Child[tw] OR children[tw] OR Toddler\*[tw] OR Adolescent[MeSH] OR Adoles\*[tw] OR Teen\*[tw] OR Boy[tw] OR boys[tw] OR Girl\*[tw] OR Pediatrics[MeSH] OR Pediatric\*[tw] OR Paediatric\*[tw]

#1 AND #2 AND #3 AND #4=518 with date filter 2019-present

**CINAHL 8/14/23**

#1

(MH "Post-Acute COVID-19 Syndrome") OR (MH "COVID-19+/CO") OR TI ( "Post acute sequelae" OR "Post acute COVID" OR PASC OR "Postacute COVID") OR AB ( "Post acute sequelae" OR "Post acute COVID" OR PASC OR "Postacute COVID") OR (chronic OR long OR expanded OR extended OR recurr\* OR sustain\* OR persist\* OR prolong\* OR continu\* OR debilitating) N3 (covid OR coronavirus OR "corona virus" OR Sars Cov 2 OR 2019 nCOV)

#2

TI ( Vaccinat\* OR Unvaccinated OR vaccine\* OR immunization\* OR variolation\* OR "Immunologic stimulation" OR Immunostimulation) OR AB (Vaccinat\* OR Unvaccinated OR vaccine\* OR immunization\* OR variolation\* OR "Immunologic stimulation" OR Immunostimulation)

OR

MH "Immunization+" OR MH "COVID-19 Vaccines"

#3

MH "Disease Progression+" OR MH "Vaccine Efficacy" OR MH "Hospitalization+" OR protect\* OR prevent\* OR associat\* OR correlat\* OR efficacy OR effect\* OR improve\* OR immunogenicity OR antibod\* OR symptom\* OR health

#4

MH "Child+" OR MH "Adolescence+" OR Infant\* OR infancy OR Baby OR Babies OR Child[MeSH] OR Child OR children OR Toddler\* OR Adoles\* OR Teen\* OR Boy OR boys OR Girl\* OR Pediatrics[MeSH] OR Pediatric\* OR Paediatric\*

#1 AND #2 AND #3 AND #4=148 pub date 2019 to present

**Embase 8/14/23**

#1

'coronavirus disease 2019'/exp/dm\_co OR 'long covid'/exp OR 'post acute sequelae':ab,ti OR 'post acute covid':ab,ti OR pasc:ab,ti OR 'postacute covid':ab,ti OR (long OR chronic OR persistent OR recurrent OR prolonged) NEAR/2 (covid OR coronavirus OR 'corona virus' OR 'sars cov 2' OR '2019 ncov')

#2

'immunization'/exp OR 'sars-cov-2 vaccine'/exp OR vaccinat\*:ti,ab OR unvaccinated:ti,ab OR vaccine\*:ti,ab OR immunization\*:ti,ab OR variolation\*:ti,ab OR 'immunologic stimulation':ti,ab OR immunostimulation:ti,ab

#3

'hospitalization'/exp OR 'disease exacerbation'/exp OR 'risk factor'/exp OR protect\*:ab,ti OR prevent\*:ab,ti OR associat\*:ab,ti OR correlat\*:ab,ti OR efficacy:ab,ti OR effect\*:ab,ti OR improve\*:ab,ti OR health:ab,ti OR antibod\*:ab,ti OR immunogenicity:ab,ti OR symptom\*:ab,ti

#4

'child'/exp OR 'adolescent'/exp OR 'pediatrics'/exp OR infant\* OR infancy OR baby OR babies OR child OR children OR toddler\* OR adoles\* OR teen\* OR pediatric\* OR paediatric\* OR boy\* OR girl\*

#1 AND #2 AND #3 AND #4 with pub dates 2019-2023= 337

**Web of Science**

TS=(vaccine\* OR vaccination\*OR pfizer OR moderna OR immunization\* OR  variolation\* OR  "immunologic stimulation"OR immunostimulation  OR  gamaleya  OR  "Sputnik V" OR sinovac OR "Corona Vac" OR astrazeneca OR janssen OR "AZD1222"  OR "mRNA-1273" OR janssen OR "Johnson & Johnson" OR "JNJ-78436735")

#2

TS=(((long NEAR/3 covid) OR (chronic NEAR/3 covid) OR (recurrent NEAR/3 covid) OR (persistent NEAR/3 covid) OR (postacute NEAR/3 covid) OR (post acute NEAR/3 covid) OR PASC OR post acute sequelae))

#3

 TS= (infant\* OR infancy OR baby OR babies OR child OR children OR toddler\* OR adoles\* OR teen\* OR pediatric\* OR paediatric\* OR boy\* OR girl\*)

#1 AND #2 AND #3=91

**Cochrane CENTRAL 8/14/23**

**#**1 MeSH descriptor: [Post-Acute COVID-19 Syndrome] explode all trees

#2 MeSH descriptor: [COVID-19] explode all trees and with qualifier(s): [complications - CO]

#3 (post OR postacute OR long OR recurrent OR prolonged OR post acute OR PASC):ti,ab,kw AND (covid OR coronavirus):ti,ab,kw (Word variations have been searched)

#4 MeSH descriptor: [COVID-19 Vaccines] explode all trees

#5 MeSH descriptor: [Vaccine Efficacy] explode all trees

#6 MeSH descriptor: [Adolescent] explode all trees

#7 MeSH descriptor: [Child] explode all trees

#8 (vaccine\* OR vaccination\* OR immunization\* OR variolation\* OR "immunologic stimulation" OR immunostimulation):ti,ab,kw (Word variations have been searched)

#9 (infant\* OR infancy OR baby OR babies OR child OR children OR toddler\* OR adoles\* OR teen\* OR pediatric\* OR paediatric\* OR boy\* OR girl\*):ti,ab,kw (Word variations have been searched)

#10 #1 OR #2 OR #3= 4710

#11 #4 OR #5 OR #8= 33077

#12 #6 OR #7 OR #9= 330390

#13 #10 AND #11 AND #12=119, 116 limited to trials

**Scopus 8/14/23**

citing paper search for known inclusions=29