

**A mixed-methods systematic review of post-viral fatigue interventions: Are there lessons for long Covid?**

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## S1 File

### Search strategy for: A mixed-methods systematic review of post-viral fatigue interventions: are there lessons for long Covid?

**Table 1. MEDLINE Search**

Interface – EBSCOhost, Research Databases, Search Screen – Advanced Search, Database - MEDLINE

Explanation of search terms used: / = MeSH Heading; asterisk (\*) denotes any character; TI = title word; AB = abstract word; N3 = adjacency within three words

S1	(MH "Fatigue Syndrome, Chronic")
S2	AB ("post viral fatigue") OR TI ("post viral fatigue") OR AB ("post viral fatigue") OR TI ("post-viral fatigue")
S3	AB ("post infectious fatigue" OR "post infection fatigue" OR "post infective fatigue") OR TI ("post infectious fatigue" OR "post infection fatigue" OR "post infective fatigue")
S4	AB "chronic fatigue" OR TI "chronic fatigue"
S5	AB "myalgic encephalomyelitis" OR TI "myalgic encephalomyelitis"
S6	AB fibromyalgia OR TI fibromyalgia
S7	AB intervention* OR TI intervention*
S8	AB (trial OR trials) OR TI (trial OR trials)
S9	AB "clinical trial*" OR TI "clinical trial*"
S10	AB (therap* OR manage*) OR TI (therap* OR manage*)
S11	AB treat* OR TI treat*
S12	AB strateg* OR TI strateg*
S13	AB experiment* OR TI experiment*
S14	(MH "Internet-Based Intervention")
S15	(MH "Early Medical Intervention")
S16	(MH "Clinical Trial")
S17	(MH "Early Intervention, Educational")
S18	(MH "Therapeutics")
S19	AB fatigue OR TI fatigue
S20	AB "glandular fever" OR TI "glandular fever"
S21	AB "lyme disease" OR TI "lyme disease"
S22	AB (SARS OR "serious acute respiratory syndrome" OR SARSCoV) OR TI (SARS OR "serious acute respiratory syndrome" OR SARS-CoV)
S23	AB (MERS OR "middle east respiratory syndrome" OR MERSCoV) OR TI (MERS OR "middle east respiratory syndrome" OR MERSCoV)
S24	AB (covid-19 OR "covid 19") OR TI (covid-19 OR "covid 19")
S25	AB H1N1 OR TI H1N1

S26	AB ebola OR TI ebola
S27	AB "west nile" OR TI "west nile"
S28	AB ("epstein-barr virus" OR "epstein barr" OR mononucleosis) OR TI ("epstein-barr virus" OR "epstein barr" OR mononucleosis)
S29	AB (Q-fever OR "Q fever" OR "query fever") OR TI (Q-fever OR "Q fever" OR "query fever")
S30	AB giardia OR TI giardia
S31	AB "dengue" OR TI "dengue"
S32	AB fatigue N3 infect* OR TI fatigue N3 infect*
S33	(MH "Severe Acute Respiratory Syndrome")
S34	(MH "Fibromyalgia")
S35	(MH "Fatigue")
S36	(MH "Infectious Mononucleosis")
S37	(MH "Lyme Disease")
S38	(MH "Middle East Respiratory Syndrome Coronavirus")
S39	(MH "Ebola virus")
S40	(MH "West Nile virus")
S41	(MH "West Nile Fever")
S42	(MH "Q Fever")
S43	(MH "Giardia")
S44	(MH "Dengue")
S45	S5 OR S6 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S33 OR S34 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44
S46	S19 OR S35
S47	S45 AND S46
S48	S1 OR S2 OR S3 OR S4 OR S32
S49	S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18
S50	S47 OR S48
S51	S49 AND S50

**Table 2. ProQuest Search**

Databases – APA PsycInfo

S1	ab("post viral fatigue") OR ti("post viral fatigue") OR ab("post-viral fatigue") OR ti("post-viral fatigue")
S2	ab("post infectious fatigue") OR ab("post infection fatigue") OR ab("post infective fatigue") OR ti("post infectious fatigue") OR ti("post infection fatigue") OR ti("post infective fatigue")
S3	ab("chronic fatigue") OR ti("chronic fatigue")
S4	ab("myalgic encephalomyelitis") OR ti("myalgic encephalomyelitis")
S5	ab(fibromyalgia) OR ti(fibromyalgia)
S6	ab(intervention*) OR ti(intervention*)

S7	ab(trial) OR ab(trials) OR ti(trial) OR trials
S8	ab("clinical trial*") OR ti("clinical trial*")
S9	ab(therap*) OR ti(therap*) OR ab(manage*) OR ti(manage*)
S10	ab(treat*) OR ti(treat*)
S11	ab(strateg*) OR ti(strateg*)
S12	ab(experiment*) OR ti(experiment*)
S13	MJMainsubject.EXACT("Chronic Fatigue Syndrome") OR MJMainsubject.EXACT("Chronic Fatigue Syndrome")
S14	MJMainsubject.EXACT("Early Intervention") OR MJMainsubject.EXACT("Video-Based Interventions") OR MJMainsubject.EXACT("Mindfulness-Based Interventions") OR MJMainsubject.EXACT("Digital Interventions") OR MJMainsubject.EXACT("Workplace Intervention")
S15	MJMainsubject.EXACT("Clinical Trials") OR MJMainsubject.EXACT("Randomized Clinical Trials")
S16	ab(fatigue) OR ti(fatigue)
S17	ab("glandular fever") OR ti("glandular fever")
S18	ab("lyme disease") OR ti("lyme disease")
S19	ab(SARS) OR ab("serious acute respiratory syndrome") OR ab(SARS-CoV) OR ti(SARS) OR ti("serious acute respiratory syndrome") OR ti(SARS-CoV)
S20	ab(MERS) OR ab("middle east respiratory syndrome") OR ab(MERS-CoV) OR ti(MERS) OR ti("middle east respiratory syndrome") OR ti(MERS-CoV)
S21	ab(covid-19) OR ab("covid 19") OR ti(covid-19) OR ti("covid 19")
S22	ab(H1N1) OR ti(H1N1)
S23	ab(ebola) OR ti(ebola)
S24	ab("west nile") OR ti("west nile")
S25	ab("epstein-barr virus") OR ab("epstein barr") OR ab(mononucleosis) OR ti("epstein-barr virus") OR ti("epstein barr") OR ti(mononucleosis)
S26	ab("Q-fever") OR ab("Q fever") OR ab("query fever") OR ti("Q-fever") OR ti("Q fever") OR ti("query fever")
S27	ab(giardia) OR ti(giardia)
S28	ab("dengue") OR ti("dengue")
S29	ab(fatigue N/3 infect*) OR ti(fatigue N/3 infect*)
S30	MJMainsubject.EXACT("Severe Acute Respiratory Syndrome")
S31	MJMainsubject.EXACT("Fibromyalgia")
S32	MJMainsubject.EXACT("Fatigue")
S33	MJMainsubject.EXACT("Lyme Disease")
S34	MJMainsubject.EXACT("Middle East Respiratory Syndrome")
S35	(ab("myalgic" encephalomyelitis "")) OR ti("myalgic" encephalomyelitis "")) OR ab(fibromyalgia) OR ti(fibromyalgia) OR (ab("glandular fever") OR ti("glandular fever")) OR (ab("lyme disease") OR ti("lyme disease")) OR (ab(SARS) OR ab("serious" acute respiratory syndrome "")) OR ab(SARS-CoV) OR ti(SARS) OR ti("serious" acute respiratory syndrome "")) OR ti(SARS-CoV)) OR (ab(MERS) OR ab("middle" east respiratory syndrome "")) OR ab(MERS-CoV) OR ti(MERS) OR ti("middle" east respiratory syndrome "")) OR ti(MERSCoV)) OR (ab(covid-19) OR ab("covid 19") OR ti(covid-19))

	<p>OR ti("covid 19")) OR (ab(H1N1) OR ti(H1N1)) OR (ab(ebolavirus) OR ti(ebolavirus)) OR (ab("west nile") OR ti("west nile")) OR (ab("epstein-barr virus") OR ab("epstein barr") OR ab(mononucleosis) OR ti("epstein-barr virus")) OR ti("epstein barr") OR ti(mononucleosis)) OR (ab("Qfever") OR ab("Q fever "")) OR ab("query fever") OR ti("Qfever") OR ti("Q" fever "")) OR ti("query fever")) OR (ab(giardia) OR ti(giardia)) OR</p> <p>OR</p> <p>(ab("dengue") OR ti("dengue")) OR (ab(fatigue NEAR/3 infect*) OR ti(fatigue NEAR/3 infect*)) OR MJMANSUBJECT.EXACT("Severe Acute Respiratory Syndrome") OR MJMANSUBJECT.EXACT("Fibromyalgia") OR MJMANSUBJECT.EXACT("Fatigue") OR MJMANSUBJECT.EXACT("Lyme Disease") OR MJMANSUBJECT.EXACT("Middle East Respiratory Syndrome"))</p>
S36	(ab(fatigue) OR ti(fatigue)) OR MJMANSUBJECT.EXACT("Fatigue")
S37	<p>((ab("myalgic" encephalomyelitis "")) OR ti("myalgic" encephalomyelitis "")) OR ab(fibromyalgia) OR ti(fibromyalgia)) OR (ab("glandular fever") OR ti("glandular fever")) OR (ab("lyme disease") OR ti("lyme disease")) OR (ab(SARS) OR ab("serious" acute respiratory syndrome "")) OR ab(SARS-CoV) OR ti(SARS) OR ti("serious" acute respiratory syndrome "")) OR ti(SARS-CoV)) OR (ab(MERS) OR ab("middle" east respiratory syndrome "")) OR ab(MERS-CoV) OR ti(MERS) OR ti("middle" east respiratory syndrome "")) OR ti(MERSCoV)) OR (ab(covid-19) OR ab("covid 19") OR ti(covid-19) OR ti("covid 19")) OR (ab(H1N1) OR ti(H1N1)) OR (ab(ebolavirus) OR ti(ebolavirus)) OR (ab("west nile") OR ti("west nile")) OR (ab("epstein-barr virus") OR ab("epstein barr") OR ab(mononucleosis) OR ti("epstein-barr virus")) OR ti("epstein barr") OR ti(mononucleosis)) OR (ab("Qfever") OR ab("Q fever "")) OR ab("query fever") OR ti("Qfever") OR ti("Q" fever "")) OR ti("query fever")) OR (ab(giardia) OR ti(giardia)) OR</p> <p>(ab("dengue") OR ti("dengue")) OR (ab(fatigue NEAR/3 infect*) OR ti(fatigue NEAR/3 infect*)) OR MJMANSUBJECT.EXACT("Severe Acute Respiratory Syndrome") OR MJMANSUBJECT.EXACT("Fibromyalgia") OR MJMANSUBJECT.EXACT("Fatigue") OR MJMANSUBJECT.EXACT("Lyme Disease") OR MJMANSUBJECT.EXACT("Middle East Respiratory Syndrome")) AND ((ab(fatigue) OR ti(fatigue)) OR MJMANSUBJECT.EXACT("Fatigue"))</p>
S38	<p>(ab("post viral fatigue") OR ti("post viral fatigue")) OR ab("post-viral fatigue") OR ti("post-viral fatigue")) OR (ab("post infectious fatigue") OR ab("post infection fatigue")) OR ab("post infective fatigue") OR ti("post infectious fatigue") OR ti("post infection fatigue") OR ti("post infective fatigue")) OR (ab("chronic fatigue") OR ti("chronic fatigue")) OR (ab(fatigue NEAR/3 infect*) OR ti(fatigue NEAR/3 infect*))</p>
S39	<p>(ab(intervention*) OR ti(intervention*)) OR (ab(trial) OR ab(trials) OR ti(trial) OR ti(trials)) OR (ab("clinical trial*") OR ti("clinical trial*")) OR (ab(therap*) OR ti(therap*)) OR (ab(manage*) OR ti(manage*)) OR (ab(treat*) OR ti(treat*)) OR (ab(strateg*) OR ti(strateg*)) OR (ab(experiment*) OR ti(experiment*))</p>
S40	<p>((ab("myalgic" encephalomyelitis "")) OR ti("myalgic" encephalomyelitis "")) OR (ab(fibromyalgia) OR ti(fibromyalgia)) OR (ab("glandular fever") OR ti("glandular fever")) OR (ab("lyme disease") OR ti("lyme disease")) OR (ab(SARS) OR ab("serious" acute respiratory syndrome "")) OR ab(SARS-CoV) OR ti(SARS) OR ti("serious" acute respiratory syndrome "")) OR ti(SARS-CoV)) OR (ab(MERS) OR ab("middle" east respiratory syndrome "")) OR ab(MERS-CoV) OR ti(MERS) OR ti("middle" east respiratory syndrome "")) OR ti(MERSCoV)) OR (ab(covid-19) OR ab("covid 19") OR ti(covid-19) OR ti("covid 19")) OR (ab(H1N1) OR ti(H1N1)) OR (ab(ebolavirus) OR ti(ebolavirus)) OR (ab("west nile") OR ti("west nile")) OR (ab("epstein-barr virus") OR ab("epstein barr") OR ab(mononucleosis) OR ti("epstein-barr virus")) OR ti("epstein barr") OR ti(mononucleosis)) OR (ab("Qfever") OR ab("Q fever "")) OR</p>

	<p>ab("query fever") OR ti("Qfever") OR ti("Q" fever "" ) OR ti("query fever")) OR (ab(giardia) OR ti(giardia)) OR</p> <p>(ab("dengue") OR ti("dengue")) OR (ab(fatigue NEAR/3 infect*) OR ti(fatigue NEAR/3 infect*)) OR MJMAINSUBJECT.EXACT("Severe Acute Respiratory Syndrome") OR MJMAINSUBJECT.EXACT("Fibromyalgia") OR MJMAINSUBJECT.EXACT("Fatigue") OR MJMAINSUBJECT.EXACT("Lyme Disease") OR MJMAINSUBJECT.EXACT("Middle East Respiratory Syndrome")) AND ((ab(fatigue) OR ti(fatigue)) OR MJMAINSUBJECT.EXACT("Fatigue")) OR ((ab("post viral fatigue") OR ti("post viral fatigue") OR ab("post-viral fatigue") OR ti("post-viral fatigue")) OR (ab("post infectious fatigue") OR ab("post infection fatigue") OR ab("post infective fatigue") OR ti("post infectious fatigue") OR ti("post infection fatigue") OR ti("post infective fatigue")) OR (ab("chronic fatigue") OR ti("chronic fatigue")) OR (ab(fatigue NEAR/3 infect*) OR ti(fatigue NEAR/3 infect*)))</p>
S41	<p>((ab(intervention*) OR ti(intervention*)) OR (ab(trial) OR ab(trials) OR ti(trial) OR ti(trials) OR (ab("clinical trial*") OR ti("clinical trial*")) OR (ab(therap*) OR ti(therap*) OR ab(manage*) OR ti(manage*)) OR (ab(treat*) OR ti(treat*)) OR (ab(strateg*) OR ti(strateg*)) OR (ab(experiment*) OR ti(experiment*))) AND (((ab("myalgic" encephalomyelitis "" ) OR ti("myalgic" encephalomyelitis "" )) OR (ab(fibromyalgia) OR ti(fibromyalgia)) OR (ab("glandular fever") OR ti("glandular fever")) OR (ab("lyme disease") OR ti("lyme disease")) OR (ab(SARS) OR ab("serious" acute respiratory syndrome "" ) OR ab(SARS-CoV) OR ti(SARS) OR ti("serious" acute respiratory syndrome "" ) OR ti(SARS-CoV)) OR (ab(MERS) OR ab("middle" east respiratory syndrome "" ) OR ab(MERS-CoV) OR ti(MERS) OR ti("middle" east respiratory syndrome "" ) OR ti(MERSCoV)) OR (ab(covid-19) OR ab("covid 19") OR ti(covid-19) OR ti("covid 19")) OR (ab(H1N1) OR ti(H1N1)) OR (ab(ebola) OR ti(ebola)) OR (ab("west nile") OR ti("west nile")) OR (ab("epstein-barr virus") OR ab("epstein barr") OR ab(mononucleosis) OR ti("epstein-barr virus") OR ti("epstein barr") OR ti(mononucleosis)) OR (ab("Qfever") OR ab("Q" fever "" ) OR ab("query fever") OR ti("Qfever") OR ti("Q" fever "" ) OR ti("query fever")) OR (ab(giardia) OR ti(giardia)) OR (ab("dengue") OR ti("dengue")) OR (ab(fatigue NEAR/3 infect*) OR ti(fatigue NEAR/3 infect*)) OR MJMAINSUBJECT.EXACT("Severe Acute Respiratory Syndrome") OR MJMAINSUBJECT.EXACT("Fibromyalgia") OR MJMAINSUBJECT.EXACT("Fatigue") OR MJMAINSUBJECT.EXACT("Lyme Disease") OR MJMAINSUBJECT.EXACT("Middle East Respiratory Syndrome")) AND ((ab(fatigue) OR ti(fatigue)) OR MJMAINSUBJECT.EXACT("Fatigue")) OR ((ab("post viral fatigue") OR ti("post viral fatigue") OR ab("post-viral fatigue") OR ti("post-viral fatigue")) OR (ab("post infectious fatigue") OR ab("post infection fatigue") OR ab("post infective fatigue") OR ti("post infectious fatigue") OR ti("post infection fatigue") OR ti("post infective fatigue")) OR (ab("chronic fatigue") OR ti("chronic fatigue")) OR (ab(fatigue NEAR/3 infect*) OR ti(fatigue NEAR/3 infect*)))</p>