



Supplementary Fig. 1. Flowchart of the systematic review search process.¹

REFERENCES

1. Page MJ, McKenzie JE, Bossuyt PM, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ* 2021;372:n71.

Supplementary Material 1. Search strategy for databases included.

Ovid MEDLINE(R) ALL <1946 to November 10, 2023> (Run on November 13, 2023, 283 results)

- 1 celiac disease/ 22017
- 2 Glutens/ 7456
- 3 Diet, Gluten-Free/ 3051
- 4 ((celiac or coeliac) adj3 (disease or sprue or syndrome)).ti,ab,kf.21853
- 5 ((gluten* adj3 (enteropath* or induced or intolerance or sensitiv*)) or "gluten-free diet").ti,ab,kf. 7756
- 6 or/1-5 31991
- 7 Neurocognitive Disorders/ 9793
- 8 Cognitive Dysfunction/ 37304
- 9 exp Cognition Disorders/ 117873
- 10 Mental Fatigue/1868
- 11 Fatigue Syndrome, Chronic/ 6238
- 12 Consciousness/ or Consciousness Disorders/ 16660
- 13 Cognitive Dissonance/ 828
- 14 exp Amnesia/ 9043
- 15 Memory/ 72337
- 16 Executive Function/ 19881
- 17 Processing Speed/ 102
- 18 exp Problem Solving/ 30610
- 19 Decision Making/ or Judgment/ 124354
- 20 Comprehension/ 17437
- 21 ((neurocognitive or neuro-cognitive) adj3 (dysfunction or disorder* or impairment* or symptom* or syndrome)).ti,ab,kf. 9706
- 22 ((cognitive or cognition) adj3 (defect* or deficit* or disabilit* or dissonance* or dysfunction* or disorder* or impairment* or syndrome*)).ti,ab,kf. 155019
- 23 (fatigue adj3 (chronic or disorder* or multidimensional or severe or syndrome* or unidimensional)).ti,ab,kf. 14313
- 24 ((brain or cognitive or mental or mind) adj3 (fatigue or tiredness or exhaustion)).ti,ab,kf. 5905
- 25 ((brain or cognitive or mental or mind) adj3 (fog or fogginess or foggy or fuzzy)).ti,ab,kf. 820
- 26 ((clouded or cloudy or clouding) adj3 (consciousness or mind or mental)).ti,ab,kf. 288
- 27 consciousness*.ti,ab,kf. 45859

- 28 (((effect or effects or factor* or process*) and (amnesia* or amnesic or forgetting or memory or memorizing or remembering or reminiscence or mental recall)) or (memory deficit or memory loss or memory disorder*)).ti,ab,kf. 199774
- 29 ("cognitive control" or "executive control" or "executive function").ti,ab,kf. 34781
- 30 (processing adj3 (rate or velocity or speed)).ti,ab,kf. 14918
- 31 ((effect or effects or factor* or process*) and (problem solving or decision or judgment* or judgement* or choice making or decisionmaking or judgement* or judgment*)).ti,ab,kf. 227867
- 32 ((mental or cognitive or intellectual or passive or psychological or perceptual or cerebral or brain) adj3 (comprehension or understanding or readability)).ti,ab,kf. 13009
- 33 exp "Sleep Initiation and Maintenance Disorders"/ 18142
- 34 "Sleep Wake Disorders"/ 27484
- 35 Sleep Quality/ 1784
- 36 Dyssomnias/ or "Sleep Deprivation"/ or "Sleep Disorders, Circadian Rhythm"/ or "Sleep Disorders, Intrinsic"/ 13795
- 37 Parasomnias/ or exp "REM Sleep Parasomnias"/ or "Sleep-Wake Transition Disorders"/ 2902
- 38 "Disorders of Excessive Somnolence"/ 4413
- 39 "Nocturnal Myoclonus Syndrome"/ 679
- 40 exp "Sleep Apnea Syndromes"/ 43793
- 41 (sleep* adj3 (behav* or deficit or deprivation or difficul* or disorder* or disrupt* or disturb* or duration or impairment or inability or initiation or issue* or problem* or maintenance or practice* or quality or recovery or resistance)).ti,ab,kf. 111114
- 42 (dyssomnia* or insomnia* or parasomnia*).ti,ab,kf. 32080
- 43 (rapid eye movement behav* or "RBD" or REM behavior disorder* or REM behav* or REM sleep behav*).ti,ab,kf. 9589
- 44 (circadian rhythm* or circadian variation or diurnal cycle or diurnal fluctuation or diurnal pattern or diurnal rhythm* or diurnal variation or nyctohemeral or nycthemeral or twenty-four hour rhythm*).ti,ab,kf. 46215
- 45 (myoclonus during sleep or nocturnal myoclonus or nocturnal myoclonus syndrome or periodic leg movement* or periodic limb movement* or "PLMD" or "PLMS" or sleep myoclonus).ti,ab,kf. 2443
- 46 (obstructive apnea* or obstructive apnoe* or sleep apnea or sleep apno* or sleep hypopnea* or sleep-disordered breathing or "OSAHS").ti,ab,kf. 52305
- 47 (Waking-up or ((early or sleep* or night* or nocturnal or prolonged) adj3 (awake* or wake* or waking* or awaking))).ti,ab,kf. 29661
- 48 (poor sleep or sleep qualit*).ti,ab,kf. 27452
- 49 (hypersomnolence or somnolence or sleepiness).ti,ab,kf. 24740

50 or/7-49 1090802
51 6 and 50 283

Embase (Ovid) <1974 to 2023 November 10> (Run on November 13, 2023, 1231 results)

- 1 celiac disease/ 36815
- 2 Gluten/ 10991
- 3 gluten free diet/11110
- 4 ((celiac or coeliac) adj3 (disease or sprue or syndrome)).ti,ab,kf.32257
- 5 ((gluten* adj3 (enteropath* or induced or intolerance or sensitiv*)) or "gluten-free diet").ti,ab,kf. 11725
- 6 or/1-5 46206
- 7 disorders of higher cerebral function/ 3433
- 8 cognitive defect/ 217803
- 9 mild cognitive impairment/ 37693
- 10 Mental Fatigue/693
- 11 chronic fatigue syndrome/ 12186
- 12 Consciousness/ or consciousness disorder/ 53612
- 13 cognition/ 303642
- 14 exp Amnesia/ 49294
- 15 Memory/ 161498
- 16 Executive Function/ 56811
- 17 Processing Speed/ 5972
- 18 exp Problem Solving/ 42900
- 19 Decision Making/ 285252
- 20 Comprehension/ 36231
- 21 ((neurocognitive or neuro-cognitive) adj3 (dysfunction or disorder* or impairment* or symptom* or syndrome)).ti,ab,kf. 14800
- 22 ((cognitive or cognition) adj3 (defect* or deficit* or disabilit* or dissonance* or dysfunction* or disorder* or impairment* or syndrome*)).ti,ab,kf. 231914
- 23 (fatigue adj3 (chronic or disorder* or multidimensional or severe or syndrome* or unidimensional)).ti,ab,kf. 21603
- 24 ((brain or cognitive or mental or mind) adj3 (fatigue or tiredness or exhaustion)).ti,ab,kf. 8953
- 25 ((brain or cognitive or mental or mind) adj3 (fog or fogginess or foggy or fuzzy)).ti,ab,kf. 1319
- 26 ((clouded or cloudy or clouding) adj3 (consciousness or mind or mental)).ti,ab,kf. 447
- 27 consciousness*.ti,ab,kf. 65966

- 28 (((effect or effects or factor* or process*) and (amnesia* or amnesic or forgetting or memory or memorizing or remembering or reminiscence or mental recall)) or (memory deficit or memory loss or memory disorder*)).ti,ab,kf. 261739
- 29 ("cognitive control" or "executive control" or "executive function").ti,ab,kf. 47518
- 30 (processing adj3 (rate or velocity or speed)).ti,ab,kf. 21307
- 31 ((effect or effects or factor* or process*) and (problem solving or decision or judgment* or judgement* or choice making or decisionmaking or judgement* or judgment*)).ti,ab,kf. 305067
- 32 ((mental or cognitive or intellectual or passive or psychological or perceptual or cerebral or brain) adj3 (comprehension or understanding or readability)).ti,ab,kf. 16025
- 33 exp Insomnia/ 87356
- 34 Sleep Disorder/ 87886
- 35 Sleep Quality/ 39102
- 36 Dyssomnia/ or "Sleep Deprivation"/ or "circadian rhythm sleep disorder"/ or "intrinsic sleep disorder"/ 102977
- 37 Parasomnia/ or exp "REM Sleep Parasomnia"/ or "sleep-wake transition disorder"/ 8647
- 38 "disorders of excessive somnolence"/ 25490
- 39 "periodic limb movement disorder"/ 3176
- 40 exp "sleep apnea syndromes"/ 69330
- 41 (sleep* adj3 (behav* or deficit or deprivation or difficul* or disorder* or disrupt* or disturb* or duration or impairment or inability or initiation or issue* or problem* or maintenance or practice* or quality or recovery or resistance)).ti,ab,kf. 173044
- 42 (dyssomnia* or insomnia* or parasomnia*).ti,ab,kf. 53860
- 43 (rapid eye movement behav* or "RBD" or REM behavior disorder* or REM behav* or REM sleep behav*).ti,ab,kf. 13497
- 44 (circadian rhythm* or circadian variation or diurnal cycle or diurnal fluctuation or diurnal pattern or diurnal rhythm* or diurnal variation or nyctohemeral or nycthemeral or twenty-four hour rhythm*).ti,ab,kf. 60966
- 45 (myoclonus during sleep or nocturnal myoclonus or nocturnal myoclonus syndrome or periodic leg movement* or periodic limb movement* or "PLMD" or "PLMS" or sleep myoclonus).ti,ab,kf. 4353
- 46 (obstructive apnea* or obstructive apnoe* or sleep apnea or sleep apno* or sleep hypopnea* or sleep-disordered breathing or "OSAHS").ti,ab,kf. 87477
- 47 (Waking-up or ((early or sleep* or night* or nocturnal or prolonged) adj3 (awake* or wake* or waking* or awaking))).ti,ab,kf. 45990
- 48 (poor sleep or sleep qualit*).ti,ab,kf. 43452
- 49 (hypersomnolence or somnolence or sleepiness).ti,ab,kf. 44627

50 or/7-49 1863223

51 6 and 50 1231

Cochrane Library (Run on November 13, 2023, 57 results)

- #1 [mh ^"celiac disease"] 512
- #2 [mh ^Glutens] 169
- #3 [mh ^"Diet, Gluten-Free"] 136
- #4 ((celiac:ti,ab,kw OR coeliac:ti,ab,kw) NEAR/3 (disease:ti,ab,kw OR sprue:ti,ab,kw OR syndrome:ti,ab,kw)) 1025
- #5 ((gluten*:ti,ab,kw NEAR/3 (enteropath*:ti,ab,kw OR induced:ti,ab,kw OR intolerance:ti,ab,kw OR sensitiv*:ti,ab,kw)) OR "gluten-free diet":ti,ab,kw) 633
- #6 #1 OR #2 OR #3 OR #4 OR #5 1213
- #7 [mh ^"Neurocognitive Disorders"] 244
- #8 [mh ^"Cognitive Dysfunction"] 3070
- #9 [mh "Cognition Disorders"] 7340
- #10 [mh ^"Mental Fatigue"]253
- #11 [mh ^"Fatigue Syndrome, Chronic"] 505
- #12 [mh ^Consciousness] OR [mh ^"Consciousness Disorders"] 739
- #13 [mh ^"Cognitive Dissonance"] 107
- #14 [mh Amnesia] 473
- #15 [mh ^Memory] 4659
- #16 [mh ^"Executive Function"] 2167
- #17 [mh ^"Processing Speed"] 57
- #18 [mh "Problem Solving"] 2030
- #19 [mh ^"Decision Making"] OR [mh ^Judgment] 4316
- #20 [mh ^Comprehension] 941
- #21 ((neurocognitive:ti,ab,kw OR neuro-cognitive:ti,ab,kw) NEAR/3 (dysfunction:ti,ab,kw OR disorder*:ti,ab,kw OR impairment*:ti,ab,kw OR symptom*:ti,ab,kw OR syndrome:ti,ab,kw)) 1284
- #22 ((cognitive:ti,ab,kw OR cognition:ti,ab,kw) NEAR/3 (defect*:ti,ab,kw OR deficit*:ti,ab,kw OR disabilit*:ti,ab,kw OR dissonance*:ti,ab,kw OR dysfunction*:ti,ab,kw OR disorder*:ti,ab,kw OR impairment*:ti,ab,kw OR syndrome*:ti,ab,kw)) 25627
- #23 (fatigue:ti,ab,kw NEAR/3 (chronic:ti,ab,kw OR disorder*:ti,ab,kw OR multidimensional:ti,ab,kw OR severe:ti,ab,kw OR syndrome*:ti,ab,kw OR unidimensional:ti,ab,kw)) 4305
- #24 ((brain:ti,ab,kw OR cognitive:ti,ab,kw OR mental:ti,ab,kw OR mind:ti,ab,kw) NEAR/3 (fatigue:ti,ab,kw OR tiredness:ti,ab,kw OR exhaustion:ti,ab,kw)) 1855
- #25 ((brain:ti,ab,kw OR cognitive:ti,ab,kw OR mental:ti,ab,kw OR mind:ti,ab,kw) NEAR/3 (fog:ti,ab,kw OR fogginess:ti,ab,kw OR foggy:ti,ab,kw OR fuzzy:ti,ab,kw)) 100

#26 ((clouded:ti,ab,kw OR cloudy:ti,ab,kw OR clouding:ti,ab,kw) NEAR/3
(consciousness:ti,ab,kw OR mind:ti,ab,kw OR mental:ti,ab,kw))14

#27 consciousness*:ti,ab,kw 6435

#28 (((effect:ti,ab,kw OR effects:ti,ab,kw OR factor*:ti,ab,kw OR process*:ti,ab,kw) AND
(amnesia*:ti,ab,kw OR amnesic:ti,ab,kw OR forgetting:ti,ab,kw OR memory:ti,ab,kw OR
memorizing:ti,ab,kw OR remembering:ti,ab,kw OR reminiscence:ti,ab,kw OR "mental
recall":ti,ab,kw)) OR ("memory deficit":ti,ab,kw OR "memory loss":ti,ab,kw OR ("memory" NEXT
disorder*):ti,ab,kw)) 25948

#29 ("cognitive control":ti,ab,kw OR "executive control":ti,ab,kw OR "executive
function":ti,ab,kw) 7750

#30 (processing:ti,ab,kw NEAR/3 (rate:ti,ab,kw OR velocity:ti,ab,kw OR speed:ti,ab,kw)) 2599

#31 ((effect:ti,ab,kw OR effects:ti,ab,kw OR factor*:ti,ab,kw OR process*:ti,ab,kw) AND
("problem solving":ti,ab,kw OR decision:ti,ab,kw OR judgment*:ti,ab,kw OR judgement*:ti,ab,kw
OR "choice making":ti,ab,kw OR decisionmaking:ti,ab,kw OR judgement*:ti,ab,kw OR
judgment*:ti,ab,kw)) 28538

#32 ((mental:ti,ab,kw OR cognitive:ti,ab,kw OR intellectual:ti,ab,kw OR passive:ti,ab,kw OR
psychological:ti,ab,kw OR perceptual:ti,ab,kw OR cerebral:ti,ab,kw OR brain:ti,ab,kw) NEAR/3
(comprehension:ti,ab,kw OR understanding:ti,ab,kw OR readability:ti,ab,kw)) 576

#33 [mh "Sleep Initiation and Maintenance Disorders"] 3357

#34 [mh ^"Sleep Wake Disorders"] 2177

#35 [mh ^"Sleep Quality"] 849

#36 [mh ^Dyssomnias] OR [mh ^"Sleep Deprivation"] OR [mh ^"Sleep Disorders, Circadian
Rhythm"] OR [mh ^"Sleep Disorders, Intrinsic"] 1639

#37 [mh ^Parasomnias] OR [mh "REM Sleep Parasomnias"] OR [mh ^"Sleep-Wake Transition
Disorders"] 561

#38 [mh ^"Disorders of Excessive Somnolence"] 381

#39 [mh ^"Nocturnal Myoclonus Syndrome"] 21

#40 [mh "Sleep Apnea Syndromes"]3525

#41 (sleep*:ti,ab,kw NEAR/3 (behav*:ti,ab,kw OR deficit:ti,ab,kw OR deprivation:ti,ab,kw OR
difficul*:ti,ab,kw OR disorder*:ti,ab,kw OR disrupt*:ti,ab,kw OR disturb*:ti,ab,kw OR
duration:ti,ab,kw OR impairment:ti,ab,kw OR inability:ti,ab,kw OR initiation:ti,ab,kw OR
issue*:ti,ab,kw OR problem*:ti,ab,kw OR maintenance:ti,ab,kw OR practice*:ti,ab,kw OR
quality:ti,ab,kw OR recovery:ti,ab,kw OR resistance:ti,ab,kw)) 32769

#42 (dyssomnia*:ti,ab,kw OR insomnia*:ti,ab,kw OR parasomnia*:ti,ab,kw) 14689

- #43 ("rapid eye movement" NEXT behav*):ti,ab,kw OR RBD:ti,ab,kw OR ("REM behavior" NEXT disorder*):ti,ab,kw OR ("REM" NEXT behav*):ti,ab,kw OR ("REM sleep" NEXT behav*):ti,ab,kw) 484
- #44 (("circadian" NEXT rhythm*):ti,ab,kw OR "circadian variation":ti,ab,kw OR "diurnal cycle":ti,ab,kw OR "diurnal fluctuation":ti,ab,kw OR "diurnal pattern":ti,ab,kw OR ("diurnal" NEXT rhythm*):ti,ab,kw OR "diurnal variation":ti,ab,kw OR nyctohemeral:ti,ab,kw OR nycthemeral:ti,ab,kw OR ("twenty-four hour" NEXT rhythm*):ti,ab,kw) 6174
- #45 ("myoclonus during sleep":ti,ab,kw OR "nocturnal myoclonus":ti,ab,kw OR "nocturnal myoclonus syndrome":ti,ab,kw OR ("periodic leg" NEXT movement*):ti,ab,kw OR ("periodic limb" NEXT movement*):ti,ab,kw OR PLMD:ti,ab,kw OR PLMS:ti,ab,kw OR "sleep myoclonus":ti,ab,kw) 272
- #46 (("obstructive" NEXT apnea*):ti,ab,kw OR ("obstructive" NEXT apnoe*):ti,ab,kw OR "sleep apnea":ti,ab,kw OR ("sleep" NEXT apno*):ti,ab,kw OR ("sleep" NEXT hypopnea*):ti,ab,kw OR "sleep-disordered breathing":ti,ab,kw OR OSAHS:ti,ab,kw) 8919
- #47 (Waking-up:ti,ab,kw OR ((early:ti,ab,kw OR sleep*:ti,ab,kw OR night*:ti,ab,kw OR nocturnal:ti,ab,kw OR prolonged:ti,ab,kw) NEAR/3 (awake*:ti,ab,kw OR wake*:ti,ab,kw OR waking*:ti,ab,kw OR awaking:ti,ab,kw))) 7785
- #48 ("poor sleep":ti,ab,kw OR ("sleep" NEXT qualit*):ti,ab,kw) 13284
- #49 (hypersomnolence:ti,ab,kw OR somnolence:ti,ab,kw OR sleepiness:ti,ab,kw) 11636
- #50 #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 141175
- #51 #6 AND #50 57

CINAHL Complete (Run on November 13, 2023, 175 citations)

#	Query	Limiters/Expanders	Last Run Via	Results
S1	(MH "celiac disease")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	5,677
S2	(MH Gluten)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	1,544
S3	(MH "Diet, Gluten-Free")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	3,068
S4	(((TI celiac OR AB celiac OR SU celiac) OR (TI coeliac OR AB coeliac OR SU coeliac)) N3	Expanders - Apply equivalent subjects	Interface - EBSCOhost	6,934

	((TI disease OR AB disease OR SU disease) OR (TI sprue OR AB sprue OR SU sprue) OR (TI syndrome OR AB syndrome OR SU syndrome)))	Search modes - Boolean/Phrase	Research Databases Search Screen - Advanced Search Database - CINAHL Complete	
S5	((TI gluten* OR AB gluten* OR SU gluten*) N3 ((TI enteropath* OR AB enteropath* OR SU enteropath*) OR (TI induced OR AB induced OR SU induced) OR (TI intolerance OR AB intolerance OR SU intolerance) OR (TI sensitiv* OR AB sensitiv* OR SU sensitiv*))) OR (TI "gluten-free diet" OR AB "gluten-free diet" OR SU "gluten-free diet"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	2,002
S6	S1 OR S2 OR S3 OR S4 OR S5	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	8,689
S7	(MH "Mild Cognitive Impairment")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced	1,016

			Search Database - CINAHL Complete	
S8	(MH "Cognition Disorders")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	35,144
S9	(MH "Mental Fatigue")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	558
S10	(MH "Fatigue Syndrome, Chronic")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	3,381

S11	(MH Consciousness) OR (MH “Consciousness Disorders”)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	4,897
S12	(MH "Cognitive Dissonance")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	497
S13	(MH Amnesia+)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	2,231
S14	(MH Memory) OR (MH Memory Disorders)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases	33,834

			Search Screen - Advanced Search Database - CINAHL Complete	
S15	(MH "Executive Function")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	6,933
S16	(MH "Processing Speed")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	128
S17	(MH "Problem Solving+")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database -	13,778

			CINAHL Complete	
S18	(MH "Decision Making") OR (MH Judgment)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	65,685
S19	(MH Readability)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	5,247
S20	((((TI neurocognitive OR AB neurocognitive OR SU neurocognitive) OR (TI neuro-cognitive OR AB neuro-cognitive OR SU neuro-cognitive)) N3 ((TI dysfunction OR AB dysfunction OR SU dysfunction) OR (TI disorder* OR AB disorder* OR SU disorder*) OR (TI impairment* OR AB impairment* OR SU impairment*) OR (TI symptom* OR AB symptom* OR SU symptom*) OR (TI syndrome OR AB syndrome OR SU syndrome))))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	2,887
S21	((((TI cognitive OR AB cognitive OR SU	Expanders - Apply	Interface -	68,866

	cognitive) OR (TI cognition OR AB cognition OR SU cognition)) N3 ((TI defect* OR AB defect* OR SU defect*) OR (TI deficit* OR AB deficit* OR SU deficit*) OR (TI disabilit* OR AB disabilit* OR SU disabilit*) OR (TI dissonance* OR AB dissonance* OR SU dissonance*) OR (TI dysfunction* OR AB dysfunction* OR SU dysfunction*) OR (TI disorder* OR AB disorder* OR SU disorder*) OR (TI impairment* OR AB impairment* OR SU impairment*) OR (TI syndrome* OR AB syndrome* OR SU syndrome*))	equivalent subjects Search modes - Boolean/Phrase	EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	
S22	((TI fatigue OR AB fatigue OR SU fatigue) N3 ((TI chronic OR AB chronic OR SU chronic) OR (TI disorder* OR AB disorder* OR SU disorder*) OR (TI multidimensional OR AB multidimensional OR SU multidimensional) OR (TI severe OR AB severe OR SU severe) OR (TI syndrome* OR AB syndrome* OR SU syndrome*) OR (TI unidimensional OR AB unidimensional OR SU unidimensional)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	7,094
S23	((((TI brain OR AB brain OR SU brain) OR (TI cognitive OR AB cognitive OR SU cognitive) OR (TI mental OR AB mental OR SU mental) OR (TI mind OR AB mind OR SU mind)) N3 ((TI fatigue OR AB fatigue OR SU fatigue) OR (TI tiredness OR AB tiredness OR SU tiredness) OR (TI exhaustion OR AB exhaustion OR SU exhaustion)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	2,935
S24	((((TI brain OR AB brain OR SU brain) OR (TI cognitive OR AB cognitive OR SU cognitive)	Expanders - Apply equivalent subjects	Interface - EBSCOhost	276

	OR (TI mental OR AB mental OR SU mental) OR (TI mind OR AB mind OR SU mind)) N3 ((TI fog OR AB fog OR SU fog) OR (TI fogginess OR AB fogginess OR SU fogginess) OR (TI foggy OR AB foggy OR SU foggy) OR (TI fuzzy OR AB fuzzy OR SU fuzzy)))	Search modes - Boolean/Phrase	Research Databases Search Screen - Advanced Search Database - CINAHL Complete	
S25	((TI clouded OR AB clouded OR SU clouded) OR (TI cloudy OR AB cloudy OR SU cloudy) OR (TI clouding OR AB clouding OR SU clouding)) N3 ((TI consciousness OR AB consciousness OR SU consciousness) OR (TI mind OR AB mind OR SU mind) OR (TI mental OR AB mental OR SU mental)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	40
S26	(TI consciousness* OR AB consciousness* OR SU consciousness*)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	14,122
S27	((((TI effect OR AB effect OR SU effect) OR (TI effects OR AB effects OR SU effects) OR (TI factor* OR AB factor* OR SU factor*)) OR (TI process* OR AB process* OR SU process*)) AND ((TI amnesia* OR AB amnesia* OR SU amnesia*) OR (TI amnesic	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced	55,532

	OR AB amnesic OR SU amnesic) OR (TI forgetting OR AB forgetting OR SU forgetting) OR (TI memory OR AB memory OR SU memory) OR (TI memorizing OR AB memorizing OR SU memorizing) OR (TI remembering OR AB remembering OR SU remembering) OR (TI reminiscence OR AB reminiscence OR SU reminiscence) OR (TI "mental recall" OR AB "mental recall" OR SU "mental recall")) OR ((TI "memory deficit" OR AB "memory deficit" OR SU "memory deficit") OR (TI "memory loss" OR AB "memory loss" OR SU "memory loss") OR (TI "memory disorder*" OR AB "memory disorder*" OR SU "memory disorder*"))		Search Database - CINAHL Complete	
S28	((TI "cognitive control" OR AB "cognitive control" OR SU "cognitive control") OR (TI "executive control" OR AB "executive control" OR SU "executive control") OR (TI "executive function" OR AB "executive function" OR SU "executive function"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	13,526
S29	((TI processing OR AB processing OR SU processing) N3 ((TI rate OR AB rate OR SU rate) OR (TI velocity OR AB velocity OR SU velocity) OR (TI speed OR AB speed OR SU speed)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	4,597

S30	(((TI effect OR AB effect OR SU effect) OR (TI effects OR AB effects OR SU effects) OR (TI factor* OR AB factor* OR SU factor*) OR (TI process* OR AB process* OR SU process*)) AND ((TI "problem solving" OR AB "problem solving" OR SU "problem solving") OR (TI decision OR AB decision OR SU decision) OR (TI judgment* OR AB judgment* OR SU judgment*) OR (TI judgement* OR AB judgement* OR SU judgement*) OR (TI "choice making" OR AB "choice making" OR SU "choice making") OR (TI decisionmaking OR AB decisionmaking OR SU decisionmaking) OR (TI judgement* OR AB judgement* OR SU judgement*) OR (TI judgment* OR AB judgment* OR SU judgment*)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	156,021
S31	(((TI mental OR AB mental OR SU mental) OR (TI cognitive OR AB cognitive OR SU cognitive) OR (TI intellectual OR AB intellectual OR SU intellectual) OR (TI passive OR AB passive OR SU passive) OR (TI psychological OR AB psychological OR SU psychological) OR (TI perceptual OR AB perceptual OR SU perceptual) OR (TI cerebral OR AB cerebral OR SU cerebral) OR (TI brain OR AB brain OR SU brain)) N3 ((TI comprehension OR AB comprehension OR SU comprehension) OR (TI understanding OR AB understanding OR SU understanding) OR (TI readability OR AB readability OR SU readability)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	5,549
S32	(MH "Insomnia")	Expanders - Apply equivalent subjects Search modes -	Interface - EBSCOhost Research	9,173

		Boolean/Phrase	Databases Search Screen - Advanced Search Database - CINAHL Complete	
S33	(MH "Sleep Disorders+")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	46,094
S34	(MH "Sleep Quality")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	1,766
S35	(MH Dyssomnias) OR (MH "Sleep Deprivation") OR (MH "Sleep Disorders, Circadian Rhythm") OR (MH "Sleep Disorders, Intrinsic")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search	5,309

			Database - CINAHL Complete	
S36	(MH Parasomnias) OR (MH "Sleep, REM") OR (MH "Sleep-Wake Transition Disorders")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	2,683
S37	(MH "Disorders of Excessive Somnolence")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	1,297
S38	(MH "Myoclonus")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	945
S39	(MH "Sleep Apnea Syndromes+")	Expanders - Apply	Interface -	16,512

		equivalent subjects Search modes - Boolean/Phrase	EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	
S40	((TI sleep* OR AB sleep* OR SU sleep*) N3 ((TI behav* OR AB behav* OR SU behav*) OR (TI deficit OR AB deficit OR SU deficit) OR (TI deprivation OR AB deprivation OR SU deprivation) OR (TI difficul* OR AB difficul* OR SU difficul*) OR (TI disorder* OR AB disorder* OR SU disorder*) OR (TI disrupt* OR AB disrupt* OR SU disrupt*) OR (TI disturb* OR AB disturb* OR SU disturb*) OR (TI duration OR AB duration OR SU duration) OR (TI impairment OR AB impairment OR SU impairment) OR (TI inability OR AB inability OR SU inability) OR (TI initiation OR AB initiation OR SU initiation) OR (TI issue* OR AB issue* OR SU issue*) OR (TI problem* OR AB problem* OR SU problem*) OR (TI maintenance OR AB maintenance OR SU maintenance) OR (TI practice* OR AB practice* OR SU practice*) OR (TI quality OR AB quality OR SU quality) OR (TI recovery OR AB recovery OR SU recovery) OR (TI resistance OR AB resistance OR SU resistance)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	49,759
S41	((TI dyssomnia* OR AB dyssomnia* OR SU dyssomnia*) OR (TI insomnia* OR AB insomnia* OR SU insomnia*) OR (TI	Expanders - Apply equivalent subjects Search modes -	Interface - EBSCOhost Research	16,270

	parasomnia* OR AB parasomnia* OR SU parasomnia*))	Boolean/Phrase	Databases Search Screen - Advanced Search Database - CINAHL Complete	
S42	((TI "rapid eye movement behav*" OR AB "rapid eye movement behav*" OR SU "rapid eye movement behav*") OR (TI RBD OR AB RBD OR SU RBD) OR (TI "REM behavior disorder*" OR AB "REM behavior disorder*" OR SU "REM behavior disorder*") OR (TI "REM behav*" OR AB "REM behav*" OR SU "REM behav*") OR (TI "REM sleep behav*" OR AB "REM sleep behav*" OR SU "REM sleep behav*"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	1,338
S43	((TI "circadian rhythm*" OR AB "circadian rhythm*" OR SU "circadian rhythm*") OR (TI "circadian variation" OR AB "circadian variation" OR SU "circadian variation") OR (TI "diurnal cycle" OR AB "diurnal cycle" OR SU "diurnal cycle") OR (TI "diurnal fluctuation" OR AB "diurnal fluctuation" OR SU "diurnal fluctuation") OR (TI "diurnal pattern" OR AB "diurnal pattern" OR SU "diurnal pattern") OR (TI "diurnal rhythm*" OR AB "diurnal rhythm*" OR SU "diurnal rhythm*") OR (TI "diurnal variation" OR AB "diurnal variation" OR SU "diurnal variation") OR (TI nyctohemeral OR AB nyctohemeral OR SU nyctohemeral) OR (TI nycthemeral OR AB nycthemeral OR SU nycthemeral) OR (TI "twenty-four hour rhythm*" OR AB "twenty-four hour rhythm*" OR SU "twenty-four hour	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	10,289

	rhythm*"))			
S44	((TI "myoclonus during sleep" OR AB "myoclonus during sleep" OR SU "myoclonus during sleep") OR (TI "nocturnal myoclonus" OR AB "nocturnal myoclonus" OR SU "nocturnal myoclonus") OR (TI "nocturnal myoclonus syndrome" OR AB "nocturnal myoclonus syndrome" OR SU "nocturnal myoclonus syndrome") OR (TI "periodic leg movement*" OR AB "periodic leg movement*" OR SU "periodic leg movement*") OR (TI "periodic limb movement*" OR AB "periodic limb movement*" OR SU "periodic limb movement*") OR (TI PLMD OR AB PLMD OR SU PLMD) OR (TI PLMS OR AB PLMS OR SU PLMS) OR (TI "sleep myoclonus" OR AB "sleep myoclonus" OR SU "sleep myoclonus"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	775
S45	((TI "obstructive apnea*" OR AB "obstructive apnea*" OR SU "obstructive apnea*") OR (TI "obstructive apnoe*" OR AB "obstructive apnoe*" OR SU "obstructive apnoe*") OR (TI "sleep apnea" OR AB "sleep apnea" OR SU "sleep apnea") OR (TI "sleep apno*" OR AB "sleep apno*" OR SU "sleep apno*") OR (TI "sleep hypopnea*" OR AB "sleep hypopnea*" OR SU "sleep hypopnea*") OR (TI "sleep-disordered breathing" OR AB "sleep-disordered breathing" OR SU "sleep-disordered breathing") OR (TI "OSAHS" OR AB "OSAHS" OR SU "OSAHS"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	21,515
S46	((TI Waking-up OR AB Waking-up OR SU Waking-up) OR (((TI early OR AB early OR SU early) OR (TI sleep* OR AB sleep* OR SU	Expanders - Apply equivalent subjects Search modes -	Interface - EBSCOhost Research	7,006

	sleep*) OR (TI night* OR AB night* OR SU night*) OR (TI nocturnal OR AB nocturnal OR SU nocturnal) OR (TI prolonged OR AB prolonged OR SU prolonged)) N3 ((TI awake* OR AB awake* OR SU awake*) OR (TI wake* OR AB wake* OR SU wake*) OR (TI waking* OR AB waking* OR SU waking*) OR (TI awaking OR AB awaking OR SU awaking))))	Boolean/Phrase	Databases Search Screen - Advanced Search Database - CINAHL Complete	
S47	((TI "poor sleep" OR AB "poor sleep" OR SU "poor sleep") OR (TI "sleep qualit*" OR AB "sleep qualit*" OR SU "sleep qualit*"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	12,486
S48	((TI hypersomnolence OR AB hypersomnolence OR SU hypersomnolence) OR (TI somnolence OR AB somnolence OR SU somnolence) OR (TI sleepiness OR AB sleepiness OR SU sleepiness))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	7,700
S49	S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 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 S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced	425,990

	OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48		Search Database - CINAHL Complete	
S50	S6 AND S49	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Complete	175

PsycINFO 1887-current (EBSCO) (Run on November 13, 2023, 58 results)

#	Query	Limiters/Expanders	Last Run Via	Results
S1	(DE "celiac disease")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	399
S2	(((TI celiac OR AB celiac OR SU celiac) OR (TI coeliac OR AB coeliac OR SU coeliac)) N3 ((TI disease OR AB disease OR SU disease) OR (TI sprue OR AB sprue OR SU sprue) OR (TI syndrome OR AB syndrome OR SU syndrome)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	537
S3	(((TI gluten* OR AB gluten* OR SU gluten*) N3 ((TI enteropath* OR AB enteropath* OR SU enteropath*) OR (TI induced OR AB induced OR SU induced) OR (TI intolerance OR AB intolerance OR SU intolerance) OR (TI sensitiv* OR AB sensitiv* OR SU sensitiv*))) OR (TI "gluten-free diet" OR AB "gluten-free diet" OR SU "gluten-free diet"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	261
S4	S1 OR S2 OR S3	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	599

S5	(DE "Neurocognitive Disorders")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	5,490
S6	(DE "Mild Cognitive Impairment")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	10,519
S7	(DE "Cognitive Impairment")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	45,020
S8	(DE "Fatigue")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	14,326
S9	(DE "Chronic Fatigue Syndrome")	Expanders - Apply equivalent subjects	Interface - EBSCOhost	2,152

		Search modes - Boolean/Phrase	Research Databases Search Screen - Basic Search Database - APA PsycInfo	
S10	(DE "Consciousness Disorders") OR (DE "Consciousness States") OR (DE "Consciousness Disturbances")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	17,872
S11	(DE "Cognitive Dissonance")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	2,905
S12	DE Amnesia OR DE "Anterograde Amnesia" OR DE "Global Amnesia" OR OR DE "Retrograde Amnesia" OR DE "Dissociation" OR DE "Dissociative Amnesia"	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	12,793
S13	DE Memory OR DE "Memory Disorders" or DE "Thought Disorders" OR DE "Forgetting" OR DE "Memory Decay" OR DE "Memory Trace" OR DE "Reminiscence"	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases	113,231

			Search Screen - Basic Search Database - APA PsycInfo	
S14	(DE "Executive Function")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	20,795
S15	(DE "Cognitive Processing Speed")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	3,338
S16	(DE "Problem Solving")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	41,736
S17	(DE "Decision Making") OR (DE Judgment)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search	132,033

			Database - APA PsycInfo	
S18	(DE Readability)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	974
S19	((((TI neurocognitive OR AB neurocognitive OR SU neurocognitive) OR (TI neuro-cognitive OR AB neuro-cognitive OR SU neuro-cognitive)) N3 ((TI dysfunction OR AB dysfunction OR SU dysfunction) OR (TI disorder* OR AB disorder* OR SU disorder*) OR (TI impairment* OR AB impairment* OR SU impairment*) OR (TI symptom* OR AB symptom* OR SU symptom*) OR (TI syndrome OR AB syndrome OR SU syndrome))))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	9,696
S20	((((TI cognitive OR AB cognitive OR SU cognitive) OR (TI cognition OR AB cognition OR SU cognition)) N3 ((TI defect* OR AB defect* OR SU defect*) OR (TI deficit* OR AB deficit* OR SU deficit*) OR (TI disabilit* OR AB disabilit* OR SU disabilit*) OR (TI dissonance* OR AB dissonance* OR SU dissonance*) OR (TI dysfunction* OR AB dysfunction* OR SU dysfunction*) OR (TI disorder* OR AB disorder* OR SU disorder*) OR (TI impairment* OR AB impairment* OR SU impairment*) OR (TI syndrome* OR AB syndrome* OR SU syndrome*))))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	121,888

S21	((TI fatigue OR AB fatigue OR SU fatigue) N3 ((TI chronic OR AB chronic OR SU chronic) OR (TI disorder* OR AB disorder* OR SU disorder*) OR (TI multidimensional OR AB multidimensional OR SU multidimensional) OR (TI severe OR AB severe OR SU severe) OR (TI syndrome* OR AB syndrome* OR SU syndrome*) OR (TI unidimensional OR AB unidimensional OR SU unidimensional)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	4,864
S22	((((TI brain OR AB brain OR SU brain) OR (TI cognitive OR AB cognitive OR SU cognitive) OR (TI mental OR AB mental OR SU mental) OR (TI mind OR AB mind OR SU mind)) N3 ((TI fatigue OR AB fatigue OR SU fatigue) OR (TI tiredness OR AB tiredness OR SU tiredness) OR (TI exhaustion OR AB exhaustion OR SU exhaustion)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	3,716
S23	((((TI brain OR AB brain OR SU brain) OR (TI cognitive OR AB cognitive OR SU cognitive) OR (TI mental OR AB mental OR SU mental) OR (TI mind OR AB mind OR SU mind)) N3 ((TI fog OR AB fog OR SU fog) OR (TI fogginess OR AB fogginess OR SU fogginess) OR (TI foggy OR AB foggy OR SU foggy) OR (TI fuzzy OR AB fuzzy OR SU fuzzy)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	330
S24	((((TI clouded OR AB clouded OR SU clouded) OR (TI cloudy OR AB cloudy OR SU cloudy) OR (TI clouding OR AB clouding OR SU clouding)) N3 ((TI consciousness OR AB consciousness OR SU consciousness) OR (TI mind OR AB mind OR SU mind) OR (TI mental OR AB mental OR SU mental)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	182
S25	(TI consciousness* OR AB consciousness* OR	Expanders - Apply	Interface -	52,412

	SU consciousness*)	equivalent subjects Search modes - Boolean/Phrase	EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	
S26	(((((TI effect OR AB effect OR SU effect) OR (TI effects OR AB effects OR SU effects) OR (TI factor* OR AB factor* OR SU factor*)) OR (TI process* OR AB process* OR SU process*)) AND ((TI amnesia* OR AB amnesia* OR SU amnesia*) OR (TI amnesic OR AB amnesic OR SU amnesic) OR (TI forgetting OR AB forgetting OR SU forgetting) OR (TI memory OR AB memory OR SU memory) OR (TI memorizing OR AB memorizing OR SU memorizing) OR (TI remembering OR AB remembering OR SU remembering) OR (TI reminiscence OR AB reminiscence OR SU reminiscence) OR (TI "mental recall" OR AB "mental recall" OR SU "mental recall"))) OR ((TI "memory deficit" OR AB "memory deficit" OR SU "memory deficit") OR (TI "memory loss" OR AB "memory loss" OR SU "memory loss") OR (TI "memory disorder*" OR AB "memory disorder*" OR SU "memory disorder*"))))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	197,850
S27	((TI "cognitive control" OR AB "cognitive control" OR SU "cognitive control") OR (TI "executive control" OR AB "executive control" OR SU "executive control") OR (TI "executive function" OR AB "executive function" OR SU "executive function"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database -	42,933

			APA PsycInfo	
S28	((TI processing OR AB processing OR SU processing) N3 ((TI rate OR AB rate OR SU rate) OR (TI velocity OR AB velocity OR SU velocity) OR (TI speed OR AB speed OR SU speed)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	13,447
S29	((((TI effect OR AB effect OR SU effect) OR (TI effects OR AB effects OR SU effects) OR (TI factor* OR AB factor* OR SU factor*) OR (TI process* OR AB process* OR SU process*)) AND ((TI "problem solving" OR AB "problem solving" OR SU "problem solving") OR (TI decision OR AB decision OR SU decision) OR (TI judgment* OR AB judgment* OR SU judgment*) OR (TI judgement* OR AB judgement* OR SU judgement*) OR (TI "choice making" OR AB "choice making" OR SU "choice making") OR (TI decisionmaking OR AB decisionmaking OR SU decisionmaking) OR (TI judgement* OR AB judgement* OR SU judgement*) OR (TI judgment* OR AB judgment* OR SU judgment*)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	244,898
S30	((((TI mental OR AB mental OR SU mental) OR (TI cognitive OR AB cognitive OR SU cognitive) OR (TI intellectual OR AB intellectual OR SU intellectual) OR (TI passive OR AB passive OR SU passive) OR (TI psychological OR AB psychological OR SU psychological) OR (TI perceptual OR AB perceptual OR SU perceptual) OR (TI cerebral	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	23,713

	OR AB cerebral OR SU cerebral) OR (TI brain OR AB brain OR SU brain)) N3 ((TI comprehension OR AB comprehension OR SU comprehension) OR (TI understanding OR AB understanding OR SU understanding) OR (TI readability OR AB readability OR SU readability)))			
S31	(DE "Insomnia")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	8,529
S32	(DE "Sleep Wake Disorders")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	15,238
S33	(DE Sleepiness)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	2,728
S34	(DE Wakefulness)	Expanders - Apply equivalent subjects Search modes -	Interface - EBSCOhost Research	8,672

		Boolean/Phrase	Databases Search Screen - Basic Search Database - APA PsycInfo	
S35	(DE "Sleep Quality")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	3,400
S36	(DE "Sleep Deprivation")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	6,667
S37	(DE Parasomnias) OR (DE "REM Sleep Behavior Disorder") OR (DE "REM Sleep")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	5,662
S38	(DE "Myoclonus")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen	1,378

			- Basic Search Database - APA PsycInfo	
S39	(DE "Sleep Apnea")	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	3,862
S40	((TI sleep* OR AB sleep* OR SU sleep*) N3 ((TI behav* OR AB behav* OR SU behav*) OR (TI deficit OR AB deficit OR SU deficit) OR (TI deprivation OR AB deprivation OR SU deprivation) OR (TI difficul* OR AB difficul* OR SU difficul*) OR (TI disorder* OR AB disorder* OR SU disorder*) OR (TI disrupt* OR AB disrupt* OR SU disrupt*) OR (TI disturb* OR AB disturb* OR SU disturb*) OR (TI duration OR AB duration OR SU duration) OR (TI impairment OR AB impairment OR SU impairment) OR (TI inability OR AB inability OR SU inability) OR (TI initiation OR AB initiation OR SU initiation) OR (TI issue* OR AB issue* OR SU issue*) OR (TI problem* OR AB problem* OR SU problem*) OR (TI maintenance OR AB maintenance OR SU maintenance) OR (TI practice* OR AB practice* OR SU practice*) OR (TI quality OR AB quality OR SU quality) OR (TI recovery OR AB recovery OR SU recovery) OR (TI resistance OR AB resistance OR SU resistance)))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	55,990

S41	((TI dyssomnia* OR AB dyssomnia* OR SU dyssomnia*) OR (TI insomnia* OR AB insomnia* OR SU insomnia*) OR (TI parasomnia* OR AB parasomnia* OR SU parasomnia*))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	17,287
S42	((TI "rapid eye movement behav*" OR AB "rapid eye movement behav*" OR SU "rapid eye movement behav*") OR (TI RBD OR AB RBD OR SU RBD) OR (TI "REM behavior disorder*" OR AB "REM behavior disorder*" OR SU "REM behavior disorder*") OR (TI "REM behav*" OR AB "REM behav*" OR SU "REM behav*") OR (TI "REM sleep behav*" OR AB "REM sleep behav*" OR SU "REM sleep behav*"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	1,887
S43	((TI "circadian rhythm*" OR AB "circadian rhythm*" OR SU "circadian rhythm*") OR (TI "circadian variation" OR AB "circadian variation" OR SU "circadian variation") OR (TI "diurnal cycle" OR AB "diurnal cycle" OR SU "diurnal cycle") OR (TI "diurnal fluctuation" OR AB "diurnal fluctuation" OR SU "diurnal fluctuation") OR (TI "diurnal pattern" OR AB "diurnal pattern" OR SU "diurnal pattern") OR (TI "diurnal rhythm*" OR AB "diurnal rhythm*" OR SU "diurnal rhythm*") OR (TI "diurnal variation" OR AB "diurnal variation" OR SU "diurnal variation") OR (TI nyctohemeral OR AB nyctohemeral OR SU nyctohemeral) OR (TI nycthemeral OR AB nycthemeral OR SU nycthemeral) OR (TI "twenty-four hour rhythm*" OR AB "twenty-	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	20,587

	four hour rhythm*" OR SU "twenty-four hour rhythm*"))			
S44	((TI "myoclonus during sleep" OR AB "myoclonus during sleep" OR SU "myoclonus during sleep") OR (TI "nocturnal myoclonus" OR AB "nocturnal myoclonus" OR SU "nocturnal myoclonus") OR (TI "nocturnal myoclonus syndrome" OR AB "nocturnal myoclonus syndrome" OR SU "nocturnal myoclonus syndrome") OR (TI "periodic leg movement*" OR AB "periodic leg movement*" OR SU "periodic leg movement*") OR (TI "periodic limb movement*" OR AB "periodic limb movement*" OR SU "periodic limb movement*") OR (TI PLMD OR AB PLMD OR SU PLMD) OR (TI PLMS OR AB PLMS OR SU PLMS) OR (TI "sleep myoclonus" OR AB "sleep myoclonus" OR SU "sleep myoclonus"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	1,061
S45	((TI "obstructive apnea*" OR AB "obstructive apnea*" OR SU "obstructive apnea*") OR (TI "obstructive apnoe*" OR AB "obstructive apnoe*" OR SU "obstructive apnoe*") OR (TI "sleep apnea" OR AB "sleep apnea" OR SU "sleep apnea") OR (TI "sleep apno*" OR AB "sleep apno*" OR SU "sleep apno*") OR (TI "sleep hypopnea*" OR AB "sleep hypopnea*" OR SU "sleep hypopnea*") OR (TI "sleep-disordered breathing" OR AB "sleep-disordered breathing" OR SU "sleep-disordered breathing") OR (TI "OSAHS" OR AB "OSAHS" OR SU "OSAHS"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	6,658
S46	((TI Waking-up OR AB Waking-up OR SU Waking-up) OR (((TI early OR AB early OR	Expanders - Apply equivalent subjects	Interface - EBSCOhost	30,085

	SU early) OR (TI sleep* OR AB sleep* OR SU sleep*) OR (TI night* OR AB night* OR SU night*) OR (TI nocturnal OR AB nocturnal OR SU nocturnal) OR (TI prolonged OR AB prolonged OR SU prolonged)) N3 ((TI awake* OR AB awake* OR SU awake*) OR (TI wake* OR AB wake* OR SU wake*) OR (TI waking* OR AB waking* OR SU waking*) OR (TI awaking OR AB awaking OR SU awaking))))	Search modes - Boolean/Phrase	Research Databases Search Screen - Basic Search Database - APA PsycInfo	
S47	((TI "poor sleep" OR AB "poor sleep" OR SU "poor sleep") OR (TI "sleep qualit*" OR AB "sleep qualit*" OR SU "sleep qualit*"))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	11,943
S48	((TI hypersomnolence OR AB hypersomnolence OR SU hypersomnolence) OR (TI somnolence OR AB somnolence OR SU somnolence) OR (TI sleepiness OR AB sleepiness OR SU sleepiness))	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	9,700
S49	S5 OR S6 S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 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 S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48 OR S48	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	799,874
S50	S4 and S49	Expanders - Apply	Interface -	58

		equivalent subjects Search modes - Boolean/Phrase	EBSCOhost Research Databases Search Screen - Basic Search Database - APA PsycInfo	
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Scopus database (Run on November 13, 2023, 973 results)

(TITLE-ABS-KEY ((celiac OR coeliac) W/3 (disease OR sprue OR syndrome)) OR TITLE-ABS-KEY((gluten* W/3 (enteropath* OR induced OR intolerance OR sensitiv*)) OR "gluten-free diet")) AND (TITLE-ABS-KEY ((neurocognitive OR neuro-cognitive) W/3 (dysfunction OR disorder* OR impairment* OR symptom* OR syndrome)) OR TITLE-ABS-KEY((cognitive OR cognition) W/3 (defect* OR deficit* OR disabilit* OR dissonance* OR dysfunction* OR disorder* OR impairment* OR syndrome*)) OR TITLE-ABS-KEY((fatigue) W/3 (chronic OR disorder* OR multidimensional OR severe OR syndrome* OR unidimensional)) OR TITLE-ABS-KEY((brain OR cognitive OR mental OR mind) W/3 (fatigue OR tiredness OR exhaustion)) OR TITLE-ABS-KEY((brain OR cognitive OR mental OR mind) W/3 (fog OR fogginess OR foggy OR fuzzy)) OR TITLE-ABS-KEY((clouded OR cloudy OR clouding) W/3 (consciousness OR mind OR mental)) OR TITLE-ABS-KEY(consciousness*) OR TITLE-ABS-KEY((effect OR effects OR factor* OR process*) AND (amnesia* OR amnesic OR forgetting OR memory OR memorizing OR remembering OR reminiscence OR "mental recall" OR forgetting)) OR TITLE-ABS-KEY("memory deficit" OR "memory loss" OR "memory disorder*") OR TITLE-ABS-KEY("cognitive control" OR "executive control" OR "executive function") OR TITLE-ABS-KEY(processing W/3 (rate OR velocity OR speed)) OR TITLE-ABS-KEY((effect OR effects OR factor* OR process*) AND ("problem solving" OR decision OR judgment* OR judgement* OR "choice making" OR decisionmaking OR judgement* OR judgment*)) OR TITLE-ABS-KEY((mental OR cognitive OR intellectual OR passive OR psychological OR perceptual OR cerebral OR brain) W/3 (comprehension OR understanding OR readability)) OR TITLE-ABS-KEY(sleep* W/3 (behav* OR deficit OR deprivation OR difficul* OR disorder* OR disrupt* OR disturb* OR duration OR impairment OR inability OR initiation OR issue* OR problem* OR maintenance OR practice* OR quality OR recovery OR resistance)) OR TITLE-ABS-KEY(dyssomnia* OR insomnia* OR parasomnia* OR "rapid eye movement behav*" OR RBD OR "REM behavior disorder*" OR "REM behav*" OR "REM sleep behav*" OR "circadian rhythm*" OR "circadian variation" OR "diurnal cycle" OR "diurnal fluctuation" OR "diurnal pattern" OR "diurnal rhythm*" OR "diurnal variation" OR nyctohemeral OR nycthemeral OR "twenty-four hour rhythm*" OR "myoclonus during sleep" OR "nocturnal myoclonus" OR "nocturnal myoclonus syndrome" OR "periodic leg movement*" OR "periodic limb movement*" OR {PLMD} OR {PLMS} OR "sleep myoclonus" OR "obstructive apnea*" OR "obstructive apnoe*" OR "sleep apnea" OR "sleep apno*" OR "sleep hypopnea*" OR "sleep-disordered breathing" OR {OSAHS} OR Waking-up OR ((early OR sleep* OR night* OR nocturnal OR prolonged) W/3 (awake* OR wake* OR waking* OR awaking)) OR "poor sleep" OR "sleep qualit*" OR hypersomnolence OR somnolence OR sleepiness))

Web of Science Core Collection (Run on November 13, 2023, 368 results)

(TS= ((celiac OR coeliac) NEAR/3 (disease OR sprue OR syndrome)) OR TS=((gluten* NEAR/3 (enteropath* OR induced OR intolerance OR sensitiv*)) OR "gluten-free diet")) AND (TS= ((neurocognitive OR neuro-cognitive) NEAR/3 (dysfunction OR disorder* OR impairment* OR symptom* OR syndrome)) OR TS=((cognitive OR cognition) NEAR/3 (defect* OR deficit* OR disabilit* OR dissonance* OR dysfunction* OR disorder* OR impairment* OR syndrome*)) OR TS=(fatigue NEAR/3 (syndrome* OR disorder*)) OR TS=(fatigue NEAR/3 (chronic OR disorder* OR multidimensional OR severe OR syndrome* OR unidimensional)) OR TS=((brain OR cognitive OR mental OR mind) NEAR/3 (fatigue OR tiredness OR exhaustion)) OR TS=((brain OR cognitive OR mental OR mind) NEAR/3 (fog OR fogginess OR foggy OR fuzzy)) OR TS=(consciousness*) OR TS=((effect OR effects OR factor* OR process*) AND (amnesia* OR amnesic OR forgetting OR memory OR memorizing OR remembering OR reminiscence OR "mental recall")) OR TS=("memory deficit" OR "memory loss" OR "memory disorder*") OR TS=("cognitive control" OR "executive control" OR "executive function") OR TS=(processing NEAR/3 (rate OR velocity OR speed)) OR TS=((effect OR effects OR factor* OR process*) AND ("problem solving" OR decision OR judgment* OR judgement* OR "choice making" OR decisionmaking OR judgement* OR judgment*)) OR TS=((mental OR cognitive OR intellectual OR passive OR psychological OR perceptual OR cerebral OR brain) NEAR/3 (comprehension OR understanding OR readability)) OR TS=(sleep* NEAR/3 (behav* OR deficit OR deprivation OR difficul* OR disorder* OR disrupt* OR disturb* OR duration OR impairment OR inability OR initiation OR issue* OR problem* OR maintenance OR practice* OR quality OR recovery OR resistance)) OR TS=(dyssomnia* OR insomnia* OR parasomnia* OR "rapid eye movement behav*" OR RBD OR "REM behavior disorder*" OR "REM behav*" OR "REM sleep behav*" OR "circadian rhythm*" OR "circadian variation" OR "diurnal cycle" OR "diurnal fluctuation" OR "diurnal pattern" OR "diurnal rhythm*" OR "diurnal variation" OR nyctohemeral OR nycthemeral OR "twenty-four hour rhythm*" OR "myoclonus during sleep" OR "nocturnal myoclonus" OR "nocturnal myoclonus syndrome" OR "periodic leg movement*" OR "periodic limb movement*" OR PLMD OR PLMS OR "sleep myoclonus" OR "obstructive apnea*" OR "obstructive apnoe*" OR "sleep apnea" OR "sleep apno*" OR "sleep hypopnea*" OR "sleep-disordered breathing" OR OSAHS OR Waking-up OR ((early OR sleep* OR night* OR nocturnal OR prolonged) NEAR/3 (awake* OR wake* OR waking* OR awaking)) OR "poor sleep" OR "sleep qualit*" OR hypersomnolence OR somnolence OR sleepiness))