

Supplementary Online Content

Aaron RV, Ravyts SG, Carnahan ND, et al. Prevalence of depression and anxiety among adults with chronic pain: a systematic review and meta-analysis. *JAMA Netw Open*. 2025;8(3):e250268. doi:10.1001/jamanetworkopen.2025.0268

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This supplementary material has been provided by the authors to give readers additional information about their work.

eAppendix 1. Search Criteria

Ovid Medline

exp Chronic Pain/ or ((chronic* or recurrent* or persistent* or longterm or "long term") adj3 (pain* or headache or headaches or "head ache" or "head aches" or hemicrania or cephalodyn* or cephalalgi* or cephalgi* or discomfort or ache* or neuralgi* or dysmenorrhea)).tw. or (exp Chronic Pain/ or ((chronic* or recurrent* or persistent* or longterm or "long term").tw. and (exp Headache/ or headache disorders/ or headache disorders, primary/ or exp tension-type headache/ or trigeminal autonomic cephalalgias/ or exp cluster headache/ or exp paroxysmal hemicrania/ or headache disorders, secondary/ or exp post-dural puncture headache/ or exp post-traumatic headache/ or exp vascular headaches/ or exp neuralgia/ or exp dysmenorrhea/))) or (exp Fibromyalgia/ or migraine disorders/ or exp migraine with aura/ or exp migraine without aura/ or exp ophthalmoplegic migraine/ or (Hemicrania or migraine* or fibromyalgia* or "fibro-myalgia" or "fibro-myalgias" or cranialgi* or cephalea or migrainous).tw.)

exp Depression/ or exp Depressive Disorder/ or exp Anxiety/ or exp Anxiety Disorders/ or phobi*.tw. or depress*.tw. or depressed.tw. or depression.tw. or depressive.tw. or depressions.tw. or anxiet*.tw. or anxious*.tw. or agoraphobias.tw. or phobia.tw. or phobias.tw. or phobic.tw. or panic.tw. or dysthymic.tw. or dysthymia.tw. or dysthymias.tw. or "seasonal affective disorder".tw. or "seasonal affective disorders".tw. or "seasonal mood disorder".tw. or "seasonal mood disorders".tw. or distress.tw. or dysphori*.tw.

1 and 2

limit 3 to (english language and yr="2013 -Current")

Embase

'chronic pain'/exp OR (((chronic* OR recurrent* OR persistent* OR longterm OR 'long term') NEAR/3 (pain* OR headache OR headaches OR 'head ache' OR 'head aches' OR hemicrania OR cephalodyn* OR cephalalgi* OR cephalgi* OR discomfort OR ache* OR neuralgi* OR dysmenorrhea)):ti,ab,kw) OR ((chronic*:ti,ab,kw OR recurrent*:ti,ab,kw OR persistent*:ti,ab,kw OR longterm:ti,ab,kw OR 'long term':ti,ab,kw) AND ('chronic pain'/exp OR 'headache'/exp OR 'headache and facial pain'/de OR 'chronic daily headache'/exp OR 'cough headache'/exp OR 'exertional headache'/exp OR 'hypnic headache'/exp OR 'ictal headache'/exp OR 'postdural puncture headache'/exp OR 'postural headache'/exp OR 'primary headache'/exp OR 'secondary headache'/exp OR 'sexual headache'/exp OR 'sinus headache'/exp OR 'stabbing headache'/exp OR 'tension headache'/exp OR 'thunderclap headache'/exp OR 'trigeminal autonomic cephalalgia'/exp OR 'cluster headache'/exp OR 'paroxysmal hemicrania'/exp OR 'vascular headache'/exp OR 'neuralgia'/exp OR 'dysmenorrhea'/exp)) OR hemicrania:ti,ab,kw OR migraine*:ti,ab,kw OR fibromyalgia*:ti,ab,kw OR 'fibro-myalgia':ti,ab,kw OR 'fibro-myalgias':ti,ab,kw OR cranialgi*:ti,ab,kw OR cephalea:ti,ab,kw OR migrainous:ti,ab,kw OR 'fibromyalgia'/exp OR 'migraine'/de OR 'basilar type migraine'/exp OR 'complicated migraine'/exp OR 'episodic migraine'/exp OR 'hemiplegic migraine'/exp OR 'menstrual migraine'/exp OR 'migraine aura'/exp OR 'migraine with aura'/exp OR 'migraine without aura'/exp OR 'migrainous infarction'/exp OR 'migralepsy'/exp OR 'ophthalmoplegic migraine'/exp OR 'retinal migraine'/exp OR 'status migrainosus'/exp OR 'transformed migraine'/exp OR 'vestibular migraine'/exp

AND

'depression'/exp OR 'anxiety'/exp OR 'anxiety disorder'/exp OR phobi*:ti,ab,kw OR depress*:ti,ab,kw OR depressed:ti,ab,kw OR depression:ti,ab,kw OR depressive:ti,ab,kw OR depressions:ti,ab,kw OR anxiet*:ti,ab,kw OR anxious*:ti,ab,kw OR agoraphobia:ti,ab,kw OR agoraphobias:ti,ab,kw OR phobia:ti,ab,kw OR phobias:ti,ab,kw OR phobic:ti,ab,kw OR panic:ti,ab,kw OR dysthymic:ti,ab,kw OR dysthymia:ti,ab,kw OR dysthymias:ti,ab,kw OR "seasonal affective disorder":ti,ab,kw OR "seasonal affective disorders":ti,ab,kw OR

"seasonal mood disorder":ti,ab,kw OR "seasonal mood disorders":ti,ab,kw OR distress:ti,ab,kw OR dysphori*:ti,ab,kw

((#1 AND #2 AND [2013-2023]/py) NOT 'conference abstract'/it) AND [english]/lim

Cochrane

([mh "Chronic Pain"] OR ((chronic* OR recurrent* OR persistent* OR longterm OR "long term") NEAR/3 (pain* OR headache OR headaches OR "head ache" OR "head aches" OR hemicrania OR cephalodyn* OR cephalalg* OR cephalgi* OR discomfort OR ache* OR neuralgi* OR dysmenorrhea)):ti,ab,kw) OR ([mh "Chronic Pain"] OR ((chronic* OR recurrent* OR persistent* OR longterm OR "long term"):ti,ab,kw AND ([mh Headache] OR [mh "Headache Disorders"] OR [mh Neuralgia] OR [mh Dysmenorrhea]))) OR [mh "Fibromyalgia"] OR [mh "Migraine Disorders"] OR (migraine* OR fibromyalgia* OR "fibro-myalgia" OR "fibro-myalgias" OR cranialgi* OR cephalea OR migrainous):ti,ab,kw

AND

([mh "Depression"] OR [mh "Depressive Disorder"] OR [mh "Anxiety"] OR [mh "Anxiety Disorders"] OR [mh "Manifest Anxiety Scale"] OR [mh "Test Anxiety Scale"] OR phobi*:ti,ab,kw OR depress*:ti,ab,kw OR depressed:ti,ab,kw OR depression:ti,ab,kw OR depressive:ti,ab,kw OR depressions:ti,ab,kw OR anxiet*:ti,ab,kw OR anxious*:ti,ab,kw OR agoraphobia:ti,ab,kw OR agoraphobias:ti,ab,kw OR phobia:ti,ab,kw OR phobias:ti,ab,kw OR phobic:ti,ab,kw OR panic:ti,ab,kw OR dysthymic:ti,ab,kw OR dysthymia:ti,ab,kw OR dysthymias:ti,ab,kw OR "seasonal affective disorder":ti,ab,kw OR "seasonal affective disorders":ti,ab,kw OR "seasonal mood disorder":ti,ab,kw OR "seasonal mood disorders":ti,ab,kw OR distress:ti,ab,kw OR dysphori*:ti,ab,kw)

#1 AND #2

Limits: Since 2013

PsycINFO

(DE "Chronic Pain" OR TI(((chronic* OR recurrent* OR persistent* OR longterm OR "long term") N3 (pain* OR headache OR headaches OR "head ache" OR "head aches" OR hemicrania OR cephalodyn* OR cephalalg* OR cephalgi* OR discomfort OR ache* OR neuralgi* OR dysmenorrhea))) OR AB(((chronic* OR recurrent* OR persistent* OR longterm OR "long term") N3 (pain* OR headache OR headaches OR "head ache" OR "head aches" OR hemicrania OR cephalodyn* OR cephalalg* OR cephalgi* OR discomfort OR ache* OR neuralgi* OR dysmenorrhea)))) OR (DE "Chronic Pain" OR ((TI (chronic* OR recurrent* OR persistent* OR longterm OR "long term") OR AB (chronic* OR recurrent* OR persistent* OR longterm OR "long term"))) AND (DE "Headache" OR DE "Neuralgia" OR DE "Dysmenorrhea")) OR DE "Migraine Headache" OR DE "Fibromyalgia" OR TI (migraine* OR fibromyalgia* OR "fibro-myalgia" OR "fibro-myalgias" OR cranialgi* OR cephalea OR "migrainous") OR AB (migraine* OR fibromyalgia* OR "fibro-myalgia" OR "fibro-myalgias" OR cranialgi* OR cephalea OR "migrainous")

AND

(DE "Cyclothymic Disorder" OR DE "Major Depression" OR DE "Dysthymic Disorder" OR DE "Depression (Emotion)" OR DE "Koro" OR DE "Phobias" OR DE "Acrophobia" OR DE "Agoraphobia" OR DE "Claustrophobia" OR DE "Ophidiophobia" OR DE "Social Phobia" OR DE "Anxiety" OR DE "Health Anxiety" OR DE "Social Anxiety" OR DE "Anxiety Disorders" OR DE "Generalized Anxiety Disorder" OR DE "Panic Attack" OR DE "Panic Disorder" OR DE "Separation Anxiety Disorder" OR DE "Trichotillomania" OR TI (phobi* OR depress* OR depressed OR depression OR depressive OR depressions OR anxiet* OR anxious* OR agoraphobia OR agoraphobias OR phobia OR phobias OR phobic OR panic OR dysthymic OR dysthymia OR dysthymias OR "seasonal affective disorder" OR "seasonal affective disorders" OR "seasonal mood disorder"

OR "seasonal mood disorders" OR distress OR dysphori*) OR AB (phobi* OR depress* OR depressed OR depression OR depressive OR depressions OR anxiet* OR anxious* OR agoraphobia OR agoraphobias OR phobia OR phobias OR phobic OR panic OR dysthymic OR dysthymia OR dysthymias OR "seasonal affective disorder" OR "seasonal affective disorders" OR "seasonal mood disorder" OR "seasonal mood disorders" OR distress OR dysphori*))

AND

DT 01012013-12312023

Limits: English

PubMed

("Chronic Pain"[Mesh] OR ((chronic*[tw] OR recurrent*[tw] OR persistent*[tw] OR longterm[tw] OR "long term"[tw]) AND ("Headache"[Mesh] OR "Headache Disorders"[Mesh] OR pain*[tw] OR headache[tw] OR headaches[tw] OR "head ache"[tw] OR "head aches"[tw] OR hemicrania[tw] OR cephalodyn* [tw] OR cephalalg* [tw] OR cephalgi*[tw] OR discomfort OR ache* OR "Neuralgia"[Mesh] OR neuralgi* OR "Dysmenorrhea"[Mesh] OR dysmenorrhea))) OR "Fibromyalgia"[Mesh] OR "Migraine Disorders"[Mesh] OR migraine*[tw] OR fibromyalgia*[tw] OR "fibro-myalgia"[tw] OR "fibro-myalgias"[tw] OR cranialgi*[tw] OR cephelea[tw] OR "migrainous"[tw])

AND

("Depression"[Mesh] OR "Depressive Disorder"[Mesh] OR "Anxiety"[Mesh] OR "Anxiety Disorders"[Mesh] OR phobi*[tw] OR depress*[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR depressions[tw] OR anxiet*[tw] OR anxious*[tw] OR agoraphobia[tw] OR agoraphobias[tw] OR "neurotic disorder"[tw] OR phobia[tw] OR phobias[tw] OR phobic[tw] OR panic[tw] OR dysthymic[tw] OR dysthymia[tw] OR dysthymias[tw] OR "seasonal affective disorder"[tw] OR "seasonal affective disorders"[tw] OR "seasonal mood disorder"[tw] OR "seasonal mood disorders"[tw] OR distress[tw] OR dysphori*[tw])

(#1 AND #2 AND ("2013/01/01"[Date - Publication] : "2023/12/31"[Date - Publication])) NOT (Medline[sb])

Limits: English

eAppendix 2. Rating of Study Quality

The rating of study quality for the current study was adapted from the Joanna Briggs Institute Checklist for Analytical Cross-Sectional Studies. The full study-quality scoring manual developed for this study is available at request.

1. Were the criteria for inclusion in the sample clearly defined?
2. Were the study subjects and the setting described in detail?
3. Were objective, standard criteria used for the measurement of chronic pain?
4. Was clinical depressive symptomology measured in a valid and reliable way?
5. Was clinical anxiety symptomology measured in a valid and reliable way?
6. Were depression diagnoses assessed in a valid and reliable way?
7. Were anxiety diagnoses assessed in a valid and reliable way?

Response options: 1 (yes), 0 (no or unclear)

Scoring: The overall study quality rating was determined by summing the total score (0-7), dividing by the number of available ratings, and converting to a percentage. This allowed standardization of scores where different studies had different numbers of items rated (i.e., not all studies had ratings for items 4-7). Higher scores indicated lower rating bias. Studies were deemed to have high (0-49%), medium (50-74%), or low (75-100%) reporting bias.

eTable 1. Study Characteristics

Study ID	Country	N (Pain)	Pain Demographics A=Age; F=% Female; R=Race, Ethnicity or Nationality	Pain Condition	N (Control)	Control Demographics A=Age; F=% Female; R=Race, Ethnicity or Nationality
Aagaard 2023	Denmark	33	A: 48.9; F: 75.8%; R: NR	Mixed		
Abrams 2013	USA	252	A: 48.6; F: 74.1%; R: NR	Mixed		
Ahmad 2023	Pakistan	96	A: 51.6; F: 59.4%; R: NR	Fibromyalgia		
Ajo 2017	Spain	125	A: 57; F: 0%; R: NR	Mixed		
Åkerblom 2020	Sweden	159	A: 41.5; F: 84.9%; R: 75% Swedish	Mixed		
Akui 2022	Japan	20	A: 63; F: 30%; R: NR	Post Cancer Pain		
Alamam 2019	Saudi Arabia	115	A: 40; F: 63.0%; R: 100% Saudi Arabian	Chronic LBP		
Alberts 2020	USA	65	A: 44.1; F: 53.8%; R: NR	Post Cancer Pain		
Alciati 2018	Italy	87	A: 46.95; F: 100%; R: 100% Caucasian	Fibromyalgia		
Alciati 2020	Italy	118	A: 45.7; F: 90.7%; R: 100% Caucasian	Fibromyalgia		
Alhalal 2021	Saudi Arabia	233	A: 51.32; F: 67.0%; R: NR	Mixed		
Allaire 2018	Canada	268	A: 34.3; F: 100%; R: NR	Chronic Pelvic Pain		
Al-Maharbi 2018	Saudi Arabia	200	A: NR; F: 64.0%; R: NR	Mixed		
Aloush 2021	Israel	231	A: NR; F: 90.9%; R: NR	Fibromyalgia		
AlShukaili 2022	Oman	287	A: 47.89; F: 67.2%; R: NR	Mixed		
AlvesRodrigues 2022	Brazil	46	A: 54.63; F: 56.5%; R: 13% White; 71.74% Multiracial; 15.21% Black	Persistent Spinal Pain Syndrome		
Amatsu 2022	Japan	74	A: 71.03; F: 0%; R: NR	Mixed	933	A: 68.6; F: 0%; R: NR
Amital 2014	NR	23	A: 53.7; F: 100%; R: NR	Fibromyalgia		
Ammitzbøll 2021	Denmark	199	A: 62.5; F: 91.3%; R: 100% Caucasian	RA	215	A: 49; F: 71.4%; R: 96.1% Caucasian
Andersen 2016	Denmark	125	A: 44.12; F: 78.4%; R: NR	Mixed		
Annagür 2014	Turkey	108	A: 47.8; F: 70.4%; R: NR	Mixed	54	A: 45.3; F: 79.6%; R: NR
Antaky 2017	Canada	251	A: 61.5; F: 66.5%; R: NR	Mixed		
Antunes 2013	NR	193	A: 43.8; F: 72.5%; R: NR	Chronic LBP		
Ardigo 2016	NR	53	A: 80.64; F: 73.6%; R: NR	Mixed		
Areias 2023	USA	559	A: 47.3; F: 51.6%; R: NR	Chronic LBP		
Argoff 2016	Multi- Continent	2062	A: 49.56; F: 92.8%; R: NR	Fibromyalgia		
Asada 2022	Japan	376	A: 72.7; F: 60.2%; R: NR	Chronic LBP	270.5	A: 71.6; F: 52.7%; R: NR
Asada 2022_B	Japan	189	A: 72.4; F: 54.9%; R: NR	Chronic Musculoskeletal Pain	270.5	A: 71.6; F: 52.7%; R: NR
Aşçıbaşı 2022	NR	62	A: 42.44; F: 90.3%; R: NR	Fibromyalgia		
Asih 2014	NR	324	A: 45.86; F: 32.5%; R: 59% Caucasian; 26% African American; 12% Hispanic/Latino; 1% Other	Chronic Musculoskeletal Pain		

Asih 2016	NR	542	A: 47.2; F: 43.5%; R: 51% White; 26% African American; 21% Hispanic; 3% Other	Occupational Musculoskeletal Disorder Myelin oligodendrocyte glycoprotein antibody-associated disease		
Asseyer 2021	Germany	22	A: 42.4; F: 72.7%; R: NR	Spinal Cord Injury	21	A: 35.9; F: 61.9%; R: NR
Ataoglu 2013	Turkey	109	A: 36.2; F: 25.7%; R: NR	Spinal Cord Injury	31	A: 36.2; F: 25.7%; R: NR
Avluk 2014	Turkey	44	A: 33.9; F: 25.0%; R: NR	Mixed		
Bagnato 2014	Italy	96	A: 50.39; F: 69.8%; R: NR	Mixed		
Bailey 2020	USA	10,264	A: 43.57; F: 50%; R: NR	Mixed		
Bapir 2023	UK	1254	A: 45.75; F: 45.9%; R: NR	Chronic Pelvic Pain		
Barbosa 2016	Brazil	52	A: 33; F: 100%; R: NR	TMD		
Barjandi 2021	Sweden	161	A: 47.5; F: 100%; R: 76.4% Scandinavian	Fibromyalgia		
Barjandi 2021_B	Sweden	81	A: 47.5; F: 100%; R: 76.4% Scandinavian	Chronic Pancreatic Pain		
Barth 2014	USA	307	A: 51; F: 39.0%; R: NR	RA		
Barton 2021	USA	204	A: 57.2; F: 58.3%; R: 68% White; 3% Black; 22% Latinx/Hispanic; 7% Other	Irritable Bowel Syndrome	304	A: 37.7; F: 49.7%; R: NR
Bayrak 2020	Turkey	310	A: 37.9; F: 49.4%; R: NR	Fibromyalgia	15	A: 40.8; F: 100%; R: NR
Bayram 2014	NR	30	A: 39.1; F: 100%; R: NR	RA	15	A: 40.8; F: 100%; R: NR
Bayram 2014_B	NR	30	A: 39.1; F: 100%; R: NR	Mixed	68,321	
Bell 2016	USA	6679	A: 53.8; F: 52.1%; R: 76% Non-Hispanic white; 11% Non-Hispanic Black; 7% Hispanic; 6% other	Mixed		
Bilen 2022	NR	110	A: 51.9; F: 47.3%; R: NR	Mixed		
Birch 2022	England	16	A: 50.23; F: 75.0%; R: NR	Mixed		
Blakey 2018	USA	667	A: 37.82; F: 19.0%; R: NR	Mixed		
Bohn 2013	Germany	117	A: 49; F: 83.8%; R: 100% Caucasian	Fibromyalgia		
Botros 2022	Canada	369	A: 42.36; F: 78.1%; R: NR	TMD		
Boukhira 2021	Morocco	321	A: 57.04; F: 33.3%; R: 100% Moroccan	Mixed	120	A: 52.4; F: 10.2%; R: 100% Moroccan
Bravo 2019	NR	39	A: 52.31; F: 97.4%; R: NR	Fibromyalgia		
BromleyMilton 2013	Sweden	4069	A: 46; F: 69.1%; R: NR	Mixed		
Bruce 2021	USA	698	A: 48.6; F: 90.3%; R: NR	Fibromyalgia		
Brunner 2023	USA	218	A: 57.2; F: 83.6%; R: NR	Mixed		
Bryant 2016	Australia	175	A: 36; F: 100%; R: NR	Chronic Pelvic Pain		
Bucourt 2021	France	48	A: 47.98; F: 100%; R: NR	Fibromyalgia		
Bucourt 2021_B	France	47	A: 50.89; F: 100%; R: NR	RA		
Bucourt 2021_C	France	47	A: 42.3; F: 100%; R: NR	Spondyloarthritis		

Calandre 2022	Spain	287	A: 49.17; F: 94.8%; R: NR	Fibromyalgia		
Calderón 2016	Spain	56	A: 58.3; F: 60.7%; R: NR	Mixed		
Calpin 2017	Ireland	100	A: 54; F: 54.0%; R: NR	Mixed		
Campbell 2015	Australia	3585	A: NR; F: 56.6%; R: NR	Mixed	5256	A: NR; F: 46.4%; R: NR
Campbell 2015b	Australia	1514	A: 58; F: 55.6%; R: 80% Australia; 3% Aboriginal/Torres Strait Islander	Mixed		
Campos 2021	Portugal	115	A: 48.02; F: 100%; R: NR	Fibromyalgia		
Cappe 2021	France	73	A: 43.15; F: 100%; R: NR	Fibromyalgia	73	A: 41; F: 100%; R: NR
Carleton 2022	Canada	2025	A: NR; F: 39.8%; R: NR	Mixed	3023	A: NR; F: 60.2%; R: NR
Carrillo-de-la-Peña 2015	Spain	52	A: 46.16; F: 100%; R: NR	Fibromyalgia	56	A: 45.11; F: 100%; R: NR
Carrillo-Izquierdo 2018	Spain	226	A: 43.8; F: 100%; R: NR	Fibromyalgia	222	A: 42.4; F: 100%; R: NR
Carta 2018	Italy	71	A: 51.12; F: 100%; R: N/A	Fibromyalgia	284	A: 51.06; F: 100%; R: NR
CasteloAzevedo 2021	Brazil	652	A: 55.9; F: 66.0%; R: NR	Chronic Knee Pain	2246	A: NR; F: 49.0%; R: NR
Caumo 2022	Brazil	48	A: 49.07; F: 100%; R: NR	Fibromyalgia		
Chaabouni 2022	Tunisia	49	A: 68.2; F: 0%; R: NR	Chronic Obstructive Pulmonary Disease	19	A: 67.3; F: 0%; R: NR
Chahal-Kummen 2019	Norway	58	A: 46; F: 73.7%; R: NR	Chronic Abdominal Pain	138	
Chahal-Kummen 2023	Norway	110	A: 44.4; F: 80.9%; R: NR	Post Surgical Pain	280	A: 45.2; F: 68.9%; R: NR
Challa 2017	USA	103	A: 63.5 ; F: 75.0%; R: NR	Other Arthritis (Mixed, Other, NOS)		
Chana 2021	England	36	A: 55.1; F: 86.1%; R: 47.2% White; 2.8% African Caribbean; 2.8% South American	Burning mouth syndrome		
Chang 2018	USA	130	A: 60.4; F: 54.6%; R: 50% White; 39% Black; 11% Other	Mixed		
Cheatle 2023	USA	609	A: 38.43; F: 60.6%; R: 100% White	Mixed		
Chen 2022	USA	297	A: 74.79; F: 85.1%; R: 100% Hong Kong Chinese	Chronic Back Pain		
Cheng 2018	China	664	A: 56.3; F: 70.7%; R: NR	Mixed		
Cheng 2022	USA	1193	A: 49.9; F: 84.8%; R: NR	Mixed		
Cho 2017	South Korea	100	A: 24.9; F: 23.8%; R: NR	Mixed		
Choi 2018	South Korea	105	A: 54.5; F: 60.7%; R: NR	Spondyloarthritis		
Chytas 2023	Switzerland	140	A: 60.97; F: 60.7%; R: NR	Mixed		
Ciaramella 2015	Italy	416	A: 52.66; F: 68.0%; R: NR	Chronic LBP		
Ciaramella 2015_B	Italy	463	A: 70; F: 100%; R: NR	Mixed		
Civelek 2022	Turkey	66	A: 43; F: 76.2%; R: NR	Chronic LBP		
Clark 2018	New Zealand, UK	21		Chronic LBP		

Clark 2019	England, Ireland, New Zealand	165	A: 45; F: 76.4%; R: NR	Chronic LBP		
Cody 2019	USA	483	A: 49.8; F: 21.0%; R: 29% White; 41% Black; 2% Asian; 1% Native Hawaiian; 2% American Indian; 8% Multiple Races; 18% Other	Mixed	610	A: 46.8; F: 19.0%; R: 32% White; 39% Black; 4.0% Asian; 0.1% Native Hawaiian; 2.2% American Indian; 6.2% Multiple Races; 17% Other
Conway 2020	UK	238	A: 33; F: 16.4%; R: 85% UK National; 13% Foreign Commonwealth; 1% Gurkha	Chronic LBP		
Corrigan 2022	France	245	A: 50.7; F: 75.8%; R: NR	Mixed		
Costa 2023	Brazil	103	A: NR; F: 72.8%; R: NR	Mixed		
Csupak 2018	Canada	5465	A: 48.5; F: 50.7%; R: 77% Caucasian; 3% Aboriginal; 8% Asian	Other Arthritis (Mixed, Other, NOS)		
Csupak 2018_B	Canada	5205	A: 48.5; F: 50.7%; R: 77% Caucasian; 3% Aboriginal; 8% Asian	Chronic Back Pain		
DaLuz 2018	Brazil	100	A: 37.8; F: 100%; R: 33% White	Chronic Pelvic Pain	100	A: 37.2; F: 100%; R: 27% White; 73% Non-White
Damci 2022	Netherlands	1310	A: 54.71; F: 69.5%; R: NR	Small Fiber Neuropathy		
Davis 2014	USA	38	A: 57; F: 100%; R: 91% Caucasian; 9% Other	Osteoarthritis		
Davis 2014_B	USA	72	A: 57; F: 100%; R: 91% Caucasian; 9% Other	Fibromyalgia		
Dear 2023	Australia	1249	A*: F: 77.0%; R: 97.7% Other Australian; 2.3% Aboriginal or Torres Strait Islander	Mixed		
deHeer 2017	Netherlands	280	A: 42.61; F: 95.4%; R: NR	Fibromyalgia		
DeLaRosa 2023	USA	7158	A: NR; F: 0%; R: NR	Mixed		
DelPozo-Cruz 2017	Spain	105	A: 55.26; F: 100%; R: NR	Fibromyalgia		
deMoraesVieira 2014	Brazil	215	A*: F: 65.1%; R: NR	Chronic LBP		
Depintor 2016	Brazil	182	A: 51.4; F: 69.0%; R: NR	Chronic Back Pain		
DeRoa 2018	France	44	A: 45; F: 100%; R: NR	Fibromyalgia		
Doherty 2017	NR	104	A: 49.29; F: 63.4%; R: NR	Mixed		
Domenech 2013	NR	97	A: 32; F: 83.0%; R: NR	Chronic Knee Pain		
DosSantosProença 2023	Brazil	104	A: 37.21; F: 81.7%; R: NR	TMD	25	A: 34.2; F: 80%; R: NR
Dougados 2017	Asia, Europe, South America	192	A: 31.9; F: 60.1%; R: 73% White; 22% Asian; 5% Other	Spondyloarthritis		
Drummond 2013	Australia	23	A: 43.6; F: 91.3%; R: NR	Fibromyalgia		
Drummond 2013_B	Australia	16	A: 42.7; F: 62.5%; R: NR	RA		

D'Souza 2020	USA	593	A: 46.9; F: 90.6%; R: 90% Caucasian; 10% Non-Caucasian	Fibromyalgia		
Dubois-Mendes 2021	Brazil	79	A: NR; F: 91.1%; R: 13% White; 4% Indigenous; 43% Black; 41% Mixed	RA		
Dumolard 2023	France	265	A: 47; F: 91.0%; R: NR	Fibromyalgia		
Durán 2021	Chile	948	A: 49.6; F: 64.2%; R: NR	Mixed	3097	A: 41.5; F: 47.7%; R: NR
Ecija 2022	Spain	231	A: 56.91; F: 100%; R: NR	Fibromyalgia		
Edit 2013	Hungary	102	A: 56.7; F: 83.3%; R: NR	Chronic LBP		
Elrashidi 2018	USA	785	A: 61.95; F: 65.9%; R: NR	Mixed		
Emery 2014	Canada	60	A: 46; F: 73.3%; R: NR	Mixed		
Englbrecht 2019	Germany	975	A: 61; F: 75.1%; R: NR	RA		
Eriksen 2021	Denmark	28	A: 51.3; F: 62.3%; R: NR	CRPS		
Falling 2021	USA	67	A: 37.64; F: 55.0%; R: 94% White; 1.5% African American; 4.5% Asian American	Mixed	67	A: 37.73; F: 55.0%; R: 94% White; 1.5% African American; 4.5% Asian American
Farin 2015	Germany	262	A: 52.2; F: 62.1%; R: NR	Chronic LBP		A: 48.5; F: 47.2%; R: NR
Farzad 2021	NR	83	A: 53.9; F: 68.7%; R: NR	CRPS		
Feingold 2017	Israel	890	A*; F: 43.3%; R: 69% Israeli	Mixed		
Feingold 2018	Israel	540	A*; F: 49.3%; R: 60% Israeli	Mixed		
Feingold 2020	Israel	209	A: NR; F: 25.4%; R: NR	Mixed		
Feliu-Soler 2017	Spain	160	A: 57.28; F: 97.5%; R: NR	Fibromyalgia		
Fiegl 2019	Germany	496	A: 48.47; F: 51.2%; R: NR	Mixed		
Filippon 2013	Brazil	114	A: 49.5; F: 100%; R: 83% Caucasian; 17% Non-Caucasian	Fibromyalgia		
Finn 2018	NR	269	A: 36.79; F: 79.2%; R: 51% USA; 17% Ireland; 14% Uk; 7% Canada; 6% Australia; 5% Other	Mixed		
Fischer-Jbali 2022	Austria	26	A: 50.36; F: 100%; R: NR	Fibromyalgia	26	A: 45.65; F: 100%; R: NR
Flores-Curiel 2023	Mexico	98	A: NR; F: 81.6%; R: NR	Mixed		
Foti 2022	Italy	171	A: 57; F: 0%; R: NR	RA		
Foti 2022_B	Italy	129	A: 56.2; F: 0%; R: NR	Spondyloarthritis		
Frede 2023	Germany	150	A: 48.99; F: 40.7%; R: NR	Spondyloarthritis		
Freo 2021	Italy	152	A: 68.45; F: 34.1%; R: NR	Chronic LBP		
Garaigordobil 2016	Spain	88	A*; F: 96.6%; R: NR	Fibromyalgia		
Garbi 2014	Brazil	60	A: 54.8; F: 63.3%; R: NR	Chronic Back Pain		
GarciaCarrasco 2013	Mexico	51	A: 44.12; F: 100%; R: NR	Irritable Bowel Syndrome	54	A: 43.15; F: 100%; R: NR
Garnæs 2022	Norway	517	A: 45.6; F: 68.5%; R: NR	Chronic Musculoskeletal Pain	452	A: 42.6; F: 65.7%; R: NR
Gavilan-Carrera 2022	Spain	386	A: 51.2; F: 100%; R: NR	Fibromyalgia		

Gebauer 2019	USA	327	A: NR; F: 73.4%; R: 43.4% White, Non-Hispanic; 56.6% Other	Chronic LBP		
Gelonch 2017	Spain	105	A: 45.2; F: 100%; R: NR	Fibromyalgia		
Gelonch 2018	Spain	110	A: 45.4; F: 100%; R: NR	Fibromyalgia		
Gentili 2019	Sweden	252	A: 47.4; F: 81.0%; R: 90% Swedish	Mixed		
Gerdle 2019	Sweden	39916	A: 43.3; F: 72.0%; R: NR	Mixed		
Gerra 2021	Spain	380	A: 51; F: 99.6%; R: 100% Caucasian	Fibromyalgia		
Gisev 2019	Australia	1166	A: 59; F: 57.3%; R: NR	Mixed		
Giummarra 2020	Australia	43789	A: 52; F: 57.9%; R: 74% Oceania/Antarctica; 26% Other	Mixed		
Goesling 2015	NR	1015	A: 50.8; F: 55.5%; R: NR	Mixed		
Goesling 2015_B	NR	551	A: 46.6; F: 66.4%; R: NR	Fibromyalgia		
Goesling 2015b	USA	2104	A: 48.97; F: 59.0%; R: 89.83% White	Mixed		
Goesling 2018	USA	150	A: 48.01; F: 58.7%; R: 88% Caucasian	Mixed		
Gomes 2023	Portugal	634	A: 61.6; F: 78.4%; R: NR	Chronic LBP		
Gorpynchenko 2021	Finland	74	A: NR; F: 0%; R: NR	Chronic Pelvic Pain		
Gota 2017	USA	305	A: 43.5; F: 82.7%; R: 86% White; 9% African American; 1% Hispanic; 1% Asian	Fibromyalgia		
Govind 2020	NR	79	A: NR; F: 100%; R: NR	Chronic Pelvic Pain		
Greenberg 2022	USA	303	A: 59.11; F: 86.1%; R: 5% Hispanic/Latino; 90% Non-Hispanic	Nonmalignant Facial Pain		
Gündüz 2018	Turkey	52	A: 42.65; F: 100%; R: NR	Fibromyalgia	24.5	A: 37.86; F: 100%; R: NR
Gündüz 2018_B	Turkey	35	A: 41.97; F: 100%; R: NR	Myofascial Pain Syndrome	24.5	A: 37.86; F: 100%; R: NR
Gündüz 2019	Turkey	65	A: 33.5; F: 100%; R: NR	Fibromyalgia	52	A: 33.5; F: 100%; R: NR
Gündüz 2019b	Turkey	68	A: 43; F: 100%; R: NR	Fibromyalgia	68	A: 38.5; F: 100%; R: NR
Gupta 2014	India	15	A: 42.8; F: 80%; R: NR	Myofascial Pain Syndrome		
Gupta 2016	India	73	A: 42.29; F: 71.2%; R: NR	Myofascial Pain Syndrome		
Hållstam 2017	Sweden	318	A: 48; F: 64.0%; R: 82.7% Swedish; 6.9% European; 9.1% Non-European; 1.3% Missing	Mixed		
Hamdi 2021	Tunisia	70	A: 51.9; F: 77.0%; R: NR	RA		
Hamdi 2021_B	Tunisia	40	A: 57.5; F: 70%; R: NR	Osteoarthritis		
Han 2019	South Korea	527	A: 66.1; F: 77.8%; R: NR	Chronic Knee Pain	2131	A: 61.2; F: 53.0%; R: NR
Hansdorfer-Korzon 2016	Poland	53	A: 62.73; F: 100%; R: NR	Post Surgical Pain		
Hardy 2022	NR	266	A: 71.8; F: 65.0%; R: NR	Osteoarthritis		
Harrison 2016	UK	221	A: 51; F: 59.0%; R: 94% White; 2% Black; 3% Asian; 1% Other	Mixed		
Hasuo 2020	Japan	152	A: 61.8; F: 80.3%; R: NR	Mixed		

Häuser 2014	Germany, USA	167	A: 50.16; F: 15.7%; R: NR	Fibromyalgia		
Häuser 2015	Germany	156	A: 50.26; F: 89.1%; R: 100% Caucasian	Fibromyalgia		
Häuser 2015b	Germany, USA	142	A: 50.95; F: 95.8%; R: 89% Caucasian; 4% Black; 1% Asian; 1% Hispanic; 4% Pacific	Fibromyalgia		
Hoban 2015	Australia	962	A: 59; F: 56.5%; R: 81% Australia; 2% Aboriginal/Torres Strait Islander	Mixed		
Hochman 2013	NR	36	A: 60.7; F: 83.3%; R: 83% Caucasian	Osteoarthritis		
Hogestol 2017	Norway	45	A: 46.6; F: 81.5%; R: 91% Norwegian	Post Surgical Pain	106	
			A: 53.62; F: 95.5%; R: 86% Caucasian; 3% African American; 1% Asian			
Holloway 2017	NR	491	American; 7% Latin/Hispanic/Mexican American; 1% Native American	Fibromyalgia		
Honda 2022	Japan	47	A: 86; F: 71.7%; R: NR	Mixed	45	
Hong 2018	NR	175	A: NR; F: 0%; R: NR	Mixed		
			A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR			
Hudak 2022	USA	149	A: 46.83; F: 63.9%; R: 84% Caucasian; 16% African American; 1% Other	Mixed		
Hughes 2019	USA	313	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Mixed		
Iannuccelli 2021	Italy	72	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Fibromyalgia	20	A: NR; F: 85.0%; R: NR
Iannuccelli 2021_B	Italy	82	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	RA	20	A: NR; F: 85.0%; R: NR
Inanc 2014	Turkey	55	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	RA		
			A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Rheumatic Musculoskeletal Disease		
Ingegnoli 2022	Italy	124	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	RA		
Islam 2023	Australia	126	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Spondyloarthritis		
Islam 2023_B	Australia	57	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	RA	100	A: 33.7; F: 100%; R: NR
Jain 2013	India	100	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Chronic LBP		
Jaiswal 2016	NR	61	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Mixed		
Jaiswal 2016_B	NR	61	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Chronic Shoulder Pain		
Janela 2022	USA	296	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Fibromyalgia		
Järemo 2022	Sweden	149	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Burning mouth syndrome	56	A: 67.7; F: 100%; R: NR
Jedel 2020	Sweden	56	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Chronic LBP		
Jegan 2017	Germany	423	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Mixed		
Jensen 2016	Denmark	921	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR	Fibromyalgia		
Jiao 2021	China	124	A: 54.4; F: 61.7%; R: 91% Caucasian; 4% Hispanic; 1% African American; 1% American Indian/Alaska Native; 1% Asian; 1% Native Hawaiian/Pacific Islander; 3% NR			

Jimenez-Rodríguez 2014	Spain	44	A: 54.5; F: 93.2%; R: NR	Fibromyalgia	25	A: 50.5; F: 72.0%; R: NR
Jimenez-Rodríguez 2014_B	Spain	32	A: 50.1; F: 56.3%; R: NR	Chronic LBP	25	A: 50.5; F: 72.0%; R: NR
Jin 2021	Ireland	1840	A: 61.72; F: 54.0%; R: NR	Other Arthritis (Mixed, Other, NOS)		
Jin 2021_B	Ireland	2377	A: 61.72; F: 54.0%; R: NR	Chronic Musculoskeletal Pain		
Jindal 2021	NR	96	A: 49.3; F: 84.4%; R: NR	Chronic LBP		
John 2022	South Korea	612	A: 57.9; F: 54.0%; R: NR	Chronic Spinal Pain		
John 2022_B	South Korea	147	A: 48.3; F: 32.0%; R: NR	CRPS		
John 2022_C	South Korea	113	A: 65.5; F: 44.3%; R: NR	Postherpatic Neuralgia		
Jouini 2014	Canada	486	A: 58.4; F: 67.7%; R: NR	Mixed		
Joyce 2021	USA	320	A: 46; F: 64.0%; R: NR	Chronic LBP		
Kadimpati 2015	USA	595	A: 46.6; F: 70.9%; R: 96% Caucasian	Mixed		
Kallusky 2023	Germany	31	A: 22.8; F: 74.2%; R: NR	Mixed	31	A: 23.1; F: 77.4%; R: NR
Karafin 2018	USA	65	A: 31; F: 66.1%; R: NR	Sickle Cell Disease		
Karas 2020	Turkey	64	A: 39.75; F: 100%; R: NR	Fibromyalgia	58	A: 39.6; F: 100%; R: NR
Kazemi 2013	Iran	16	A: 48.88; F: 0%; R: NR	Phantom Limb Pain		
Kazemi 2013_B	Iran	24	A: 48.63; F: 0%; R: NR	Chronic Neuropathic Pain		
Kec 2022	Czech Republic, Slovakia	347	A: 63.4; F: 44.1%; R: 100% Caucasian	Chronic Neuropathic Pain	432	A: 63.32; F: 46.4%; R: 100% Caucasian
Kha 2020	Denmark	99	A: 47.3; F: 74.8%; R: NR	Mixed		
Khazen 2021	USA	69	A: 59.71; F: 34.8%; R: NR	Mixed		
KibuneNagasako 2016	Brazil	90	A: 48; F: 83.0%; R: NR	Irritable Bowel Syndrome		
Kim 2021	South Korea	65	A: 56.2; F: 20%; R: NR	Post Surgical Pain	35	A: 55; F: 14.3%; R: NR
Knaster 2016	Finland	100	A: 47.9; F: 62.0%; R: NR	Mixed		
Koh 2014	South Korea	80	A: 50.1; F: 0%; R: NR	Chronic Pelvic Pain		
Kosson 2018	Poland	1025	A: 62.15; F: 63.7%; R: NR	Mixed		
Kroenke 2020	USA	153	A: 58.1; F: 8.5%; R: 73% White; 24% Black; 3% Other	Chronic LBP	129	A: 61.7; F: 19.0%; R: 64.3% White; 30.2% Black; 5.4% Other
Kroenke 2020_B	USA	240	A: 58.3; F: 13.3%; R: 86% White; 8% Black; 6% Other	Mixed	129	A: 61.7; F: 19.0%; R: 64.3% White; 30.2% Black; 5.4% Other
Lamerato 2023	USA	194	A: 61.09; F: 64.9%; R: 12% White; 88% Black; 1% Hispanic	Mixed	96	A: 61.09; F: 0%; R: NR
Landefeld 2017	USA	163	A: NR; F: 24.5%; R: NR	Mixed	185	A: NR; F: 21.1%; R: 77.3% Black

Larance 2019	Australia	1086	A: 59; F: 66.0%; R: NR	Mixed	23	
Laurent 2014	France	84	A: 73.5; F: 58.0%; R: NR	Postherpetic Neuralgia		
Laurent 2022	France	49	A: 37; F: 59.7%; R: NR	Mixed		
Lee 2014	South Korea	39	A: 37.87; F: 38.5%; R: NR A: 44.5; F: 63.0%; R: 63%	CRPS		
Lee 2020	USA	51	White/European Decent; 8% Black/African American; 16% Latino; 14% Asian/Pacific Islander	Mixed	172	A: 49.6; F: 93.0%; R: NR
León-Suárez 2023	Spain	172	A: NR; F: 0%; R: NR	Other Arthritis (Mixed, Other, NOS)		
Lerman 2015	Israel	428	A: 54.84; F: 56.0%; R: NR	Mixed		
Lin 2017	Taiwan	210	A: 50; F: 32.4%; R: NR	Mixed		
Lindemann 2023	NR	102	A: 64.1; F: 56.0%; R: NR	Lumbar Radiculopathy	285	A: 54.67; F: 48.8%; R: NR
Liu 2018	USA	2976	A: 72; F: 66.2%; R: NR	Osteoarthritis		
Longo 2022	NR	86	A: 74; F: 45.9%; R: NR	Osteoarthritis		
Lopez 2013	USA	345	A: 53.26; F: 0%; R: 49% Caucasian; 11% African American; 9% Hispanic; 2% Other; 29% Unknown	Mixed		
Luciano 2014	Spain	269	A: 52.13; F: 95.5%; R: NR	Fibromyalgia	31	A: 50; F: 100%; R: NR
Luque-Reca 2021	Spain	230	A: 56.89; F: 100%; R: 100% Spanish	Fibromyalgia		
Mahendru 2021	NR	100	A: 43; F: 90%; R: NR	RA		
Mahlich 2019	Japan	500	A: 54.28; F: 67.0%; R: NR	RA		
Mameli 2014	Italy	14	A: 51.9; F: 100%; R: NR	Fibromyalgia	285	A: 54.67; F: 48.8%; R: NR
Mann 2017	Canada	710	A: 58.81; F: 48.6%; R: NR	Mixed		
Mantyselka 2017	Finland	76	A: 59; F: 54.0%; R: NR	Mixed		
Marcum 2014	USA	190	A: 66.6; F: 15.3%; R: 30% African American; 71% Caucasian	Osteoarthritis		
Marino 2021	Italy	31	A: 42.8; F: 100%; R: NR	Fibromyalgia	31	A: 50; F: 100%; R: NR
Mattila-Rautiainen 2023	Finland	22	A: NR; F: 81.8%; R: NR	Chronic LBP		
Mayer 2013	NR	320	A: 46.5; F: 42.2%; R: 25% African American; 48% Caucasian; 23% Hispanic; 1% Asian; 3% Other/Unknown	Lower Extremity Disorder		
Mayer 2013_B	NR	1844	A: 45.2; F: 37.9%; R: 22% African-American; 53% Caucasian; 20% Hispanic; 2% Asian; 3% Other/Unknown	Chronic LBP		
McCracken 2023	Sweden	560	A: 48.7; F: 93.2%; R: 88% Sweden; 3% Other Scandinavian; 7% Other European; 2% Other	Mixed	Mixed	
McWilliams 2017	Canada	216	A: 47.06; F: 62.0%; R: NR	Mixed		
Mehraban 2014	Iran	93	A: 46.37; F: 68.8%; R: NR	Mixed		

Merlin 2015	USA	30	A: 45; F: 25.0%; R: 63% African American	Mixed	70	
Midbari 2016	Israel	38	A: 33.5; F: 31.6%; R: NR	CRPS		
Miller-Matero 2016	NR	107	A: 37.77; F: 100%; R: 49% Caucasian; 39% African American; 12% Other	Chronic Pelvic Pain		
Moraes 2021	Brazil	81	A: 44.9; F: 50.6%; R: NR	Chronic LBP		
Morlà 2021_B	Spain	68	A: 55.7; F: 47.1%; R: NR	Spondyloarthritis		
Morlà 2021	Spain	102	A: 58.5; F: 82.4%; R: NR	RA		
Muharam 2022	Indonesia	160	A: NR; F: 100%; R: NR	Chronic Pelvic Pain		
Murata 2019	Japan	578	A: 72.8; F: 47.5%; R: NR	Chronic Musculoskeletal Pain	620	A: 72.8; F: 47.5%; R: NR
MurMartí 2017	Spain	235	A: 54.64; F: 97.8%; R: 99% Caucasian	Fibromyalgia		
Mustonen 2019	Finland	134	A: 60.4; F: 100%; R: NR	Chronic Neuropathic Pain	65	
Nacak 2021	Germany	65	A: 47.5; F: 69.2%; R: 92% German; 5% Other; 3% NR	Mixed	65	A: 43.9; F: 75.4%; R: 96.9% German; 3.1% Other
Neblett 2016	NR	912	A: 45.7; F: 37.0%; R: 57% Caucasian; 23% African American; 18% Hispanic; 2% Other	Post Injury Pain		
Neikrug 2017	USA	292	A: 45.1; F: 93.2%; R: 1.4% Asian; 94.5% White; 0.3% American Indian/Alaskan Native; 3.4% Other; 0.3% Missing	Fibromyalgia		
Nguyen 2021	Vietnam	921	A: 72.6; F: 66.7%; R: NR	Mixed		
Norman-Nott 2022	Wales	3	A: 47.67; F: 100%; R: NR	Mixed		
Offenbaecher 2013	Germany	140	A: 57.8; F: 95.0%; R: NR	Fibromyalgia		
Ojeda 2018	Spain	104	A: 45.6; F: 52.9%; R: NR	Chronic Neuropathic Pain	24	A: 40; F: 56.9%; R: NR
Ojeda 2018_B	Spain	99	A: 47.6; F: 58.6%; R: NR	Chronic Musculoskeletal Pain	24	A: 40; F: 56.9%; R: NR
Ojeda 2018_C	Spain	51	A: 50.8; F: 96.1%; R: NR	Fibromyalgia	24	A: 40; F: 56.9%; R: NR
Osório 2016	Brazil	50	A: 37.44; F: 100%; R: NR	Chronic Pelvic Pain	50	A: 37.9; F: 100%; R: NR
Parisi 2022	USA	243	A: 53.2; F: 62.6%; R: NR	Mixed		
Pasin 2023	NR	80	A: 42.57; F: 83.8%; R: NR	Myofascial Pain Syndrome		
Peilot 2018	Sweden	42	A: 44; F: 77.8%; R: NR	Mixed		
Penacoba 2023	Spain	268	A: 53.89; F: 100%; R: NR	Fibromyalgia		
Phillips 2014	NR	96	A: 70.6; F: 56.0%; R: NR	Osteoarthritis		
PicchiantiDiamanti 2020	Italy	100	A: 57.7; F: 72.0%; R: NR	Other Arthritis (Mixed, Other, NOS)	100	A: 50.5; F: 59.0%; R: NR
Pinto 2022	NR	78	A: 46; F: 59.0%; R: NR	Chronic LBP	73	A: NR; F: 64.3%; R: NR
Plinsinga 2020	Australia	40	A: 51; F: 95.0%; R: NR	Greater Trochanteric Pain Syndrome	58	A: 53; F: 95.0%; R: NR

Plinsinga 2023	Australia, Denmark	693	A: 47; F: 68.0%; R: NR	Mixed		
Porru 2023	NR	42	A: 49.4; F: 100%; R: 99% Caucasian; 1% Asiatic	Chronic Pelvic Pain		
Porru 2023_B	NR	27	A: 49.4; F: 100%; R: 99% Caucasian; 1% Asiatic	Fibromyalgia		
Poulin 2016	Canada	58	A: 46.5; F: 65.5%; R: 79% Caucasian, 2% First Nations, 3% Asian, 5% African; 10% Other	Mixed		
Prateepavanich 2018	Thailand	71	A: 44.83; F: 97.2%; R: 100% Thai	Fibromyalgia		
Preti 2019	Italy	51	A: 48; F: 92.0%; R: NR	Fibromyalgia		
Preti 2019_B	Italy	84	A: 64; F: 68.0%; R: NR	Chronic LBP		
Preti 2019_C	Italy	87	A: 65; F: 76.0%; R: NR	Mixed		
Priol 2023	France	65	A: 73.6; F: 72.3%; R: NR	Osteoarthritis		
Proctor 2013	USA	216	A: 47.8; F: 51.9%; R: 79% White; 17% African American; 2% Hispanic; 1% Middle Eastern; 1% Native American; 1% Other	Mixed		
Puto 2023	Poland	181	A: 77.1; F: 61.9%; R: NR	Mixed		
Quidé 2022	Australia	26	A: 51.64; F: 57.7%; R: NR	Mixed	32	A: 45.29; F: 50%; R: NR
Quinlan 2021	England	60	A: 52.5; F: 52.0%; R: NR	Mixed		
Racine 2014	Canada	88	A: 53.3; F: 66.0%; R: NR	Mixed		
Racine 2017	Canada	728	A: 50.8; F: 61.0%; R: NR	Mixed		
Radat 2013	France	182	A: 59.5; F: 52.2%; R: NR	Chronic Neuropathic Pain		
Rapariz-González 2014	NR	426	A: 58; F: 91.3%; R: NR	Chronic Pelvic Pain	104	A: 69.1; F: 26.0%; R: NR
Rayner 2016	UK	1204	A: 47; F: 66.6%; R: NR	Mixed		
Reiter 2017	Israel	142	A: 37.97; F: 79.0%; R: 100% Israeli	TMD		
Reiter 2017_B	Israel	157	A: 36.88; F: 73.0%; R: 100% Israeli	TMD		
Reiter 2018	Israel	163	A: 36.1; F: 75.0%; R: 100% Israeli	TMD		
Rexelius 2020	Sweden	46	A: 62.5; F: 100%; R: NR	Chronic Pelvic Pain	39	A: NR; F: 100%; R: NR
Rezaei 2014	Iran	100	A: 45.46; F: 72.0%; R: NR	RA		
Rice 2016	Canada	167	A: 44.49; F: 64.2%; R: NR	Mixed		
Rice 2016_B	Canada	163	A: 55.48; F: 76.2%; R: NR	RA		
Robinson 2013	USA	92	A: 48.8; F: 60%; R: 79% Hispanic; 31% Non-Hispanic	Mixed		
Rogal 2015	USA	53	A: 55.2; F: 51.0%; R: 0% Latino; 9% Non-white	Fibromyalgia	140	A: 58.9; F: 36.0%; R: 3% Latino; 9% Non-White
Rogers 2021	Australia	220	A: 52.2; F: 59.6%; R: NR	Chronic plantar heel pain	100	A: 54.75; F: 60%; R: NR
Rojas 2021	USA	27	A: 56.3; F: 48.0%; R: NR	Mixed		

Rometsch 2022	Germany	42	A: 52.91; F: 53.2%; R: 96% German; 2% Greek; 2% Italian	Mixed		
Rometsch 2023	Germany	95	A: 46.4; F: 78.1%; R: NR	Mixed		
Rouch 2021	France	234	A: 78.51; F: 72.0%; R: NR	Mixed	459	A: 76.74; F: 53.0%; R: NR
Rouch 2023	Switzerland	1841	A: 60.5; F: 62.9%; R: NR	Mixed	2280	A: 57.4; F: 50.9%; R: NR
Rovner 2017	Sweden	1371	A: 47; F: 68.4%; R: 80% Swedish	Mixed		
Roy 2022	Canada	367	A: 54.61; F: 58.9%; R: 89% Canadian; 12% Other	Mixed		
RusMakovec 2015	Slovenia	81	A: 52.7; F: 70.9%; R: NR	Mixed		
Rusu 2016	UK	78	A: 45.26; F: 70.5%; R: NR	Chronic Back Pain		
Saariaho 2015	Finland	271	A: 47; F: 53.1%; R: NR	Mixed		
Sachau 2023	Germany	60	A: 58.1; F: 43.3%; R: NR	Chronic Neuropathic Pain		
Sagheer 2013	Pakistan	140	A: 43.02; F: 47.1%; R: NR	Chronic LBP		
Saglam 2022	NR	46	A: 39.35; F: 78.3%; R: NR	Lateral epicondylitis	46	A: 38.33; F: 76.1%; R: NR
			A: 46.65; F: 100%; R: 67%			A: 46.21; F: 100%; R: 71.8%
Santos 2017	Brazil	78	White/Caucasian; 9% Black; 23% Mixed Race	Fibromyalgia	78	Caucasian; 15.4% Black; 5.1% Asian; 7.7% Mixed Race
Scherrer 2015	USA	348	A: NR; F: 72.4%; R: NR	Chronic LBP		
Schmukler 2023	Australia, Spain, USA	393	A: 58.9; F: 51.4%; R: NR	RA		
Schmukler 2023_B	Australia, Spain, USA	111	A: 54.1; F: 51.4%; R: NR	Spondyloarthritis		
Schmukler 2023_C	Australia, Spain, USA	64	A: 49.3; F: 43.8%; R: NR	Spondyloarthritis		
Schroeter 2015	Germany	85	A: 53.55; F: 59.8%; R: NR	Chronic Musculoskeletal Pain		
Schroeter 2015_B	Germany	89	A: 53.55; F: 59.8%; R: NR	Osteoarthritis		
Schwab 2022	Germany	274	A: *; F: 100%; R: NR	Chronic Pelvic Pain		
Schwarm 2021	NR	39	A: 61; F: 46.2%; R: NR	Chronic LBP		
Seed 2015	Malaysia	83	A: 50.4; F: 56.6%; R: 32.5% Malay; 12.1% Chinese; 54.2% Indian; 1.2% Other	Mixed		
Seekatz 2016	Germany	360	A: 49.86; F: 64.2%; R: NR	Chronic Back Pain		
Sener 2013	Turkey	39	A: 42; F: 100%; R: NR	Fibromyalgia	40	A: 38.3; F: 100%; R: NR
Sengupta 2023	India	145	A: NR; F: 60%; R: NR	Chronic Musculoskeletal Pain		
Shamji 2016	Canada	150	A: 54; F: 57.0%; R: NR	Chronic Neuropathic Pain		
Sharma 2022	England	129	A: NR; F: 0%; R: NR	Fibromyalgia		
Shebeshi 2023	Australia	84829	A: 51.84; F: 58.1%; R: 71% Australian; 29% Other	Mixed		

Shmagel 2016	USA	700	A:*; F: 55.8%; R: 10% African American; 75% White; 12% Hispanic; 3% Other	Chronic LBP	4403	A: NR; F: 50.1%; R: 12.1% African American; 64.9% White; 14.9% Hispanic; 8.1% Other
Si 2019	China	501	A: 69.56; F: 75.6%; R: NR	Mixed	718	A: 68.89; F: 64.8%; R: NR
Silva 2021	Portugal	106	A: NR; F: 0%; R: NR	Fibromyalgia		
Siqueira-Campos 2019	Brazil	100	A: NR; F: 100%; R: NR	Chronic Pelvic Pain	100	A: NR; F: 100%; R: NR
Siqueira-Campos 2022	Brazil	123	A: 37; F: 100%; R: 25.2% White; 74.8% Non-White	Chronic Pelvic Pain	123	A: 31.9; F: 100%; R: 20.3% White; 79.7% Non-White
Sitges 2018	Spain	35	A: 52.37; F: 100%; R: NR	Fibromyalgia	18	A: 50.89; F: 100%; R: NR
Slawek 2021	USA	185	A: 53.9; F: 55.1%; R: 37% White; 26% Hispanic/Latinx; 30% Black; 7% Other	Mixed		
Sleurs 2020	USA	731	A:*; F: 87.5%; R: 80% White; 5% Black; 4% Native American; 3% Asian; 7% Hispanic	Fibromyalgia	35,578	A: NR; F: 51.2%; R: 65.9% White; 11.9% Black; 1.5% Native American; 5.8% Asian; 14.9% Hispanic
Sohn 2016	South Korea	32	A: 36.88; F: 40.6%; R: NR	CRPS		
Song 2015	USA	143	A: 65.5; F: 58.0%; R: 87% Caucasian	Osteoarthritis		
Soriano-Maldonado 2015	Spain	451	A: 52; F: 100%; R: NR	Fibromyalgia		
Souza 2021	Brazil	30	A: 49; F: 43.3%; R: NR	Spondyloarthritis		
Sparkes 2015	UK	56	A: 47.4; F: 55.4%; R: NR	Chronic Neuropathic Pain		
Stefani 2019	Brazil	88	A: 64.55; F: 100%; R: NR	Osteoarthritis		
Stefani 2019_B	Brazil	36	A: 37.22; F: 100%; R: NR	Chronic Pelvic Pain		
Stefani 2019_C	Brazil	117	A: 49.34; F: 100%; R: NR	Fibromyalgia		
Stehlik 2018	Sweden	31	A: 57; F: 100%; R: NR	Fibromyalgia	23	A: 57; F: 100%; R: NR
Stein 2015	USA	159	A: 40.68; F: 43.4%; R: NR	Mixed	169	A: 36.9; F: 43.2%; R: NR
Steiner 2017	NR	216	A: 45.81; F: 95.8%; R: 88% Caucasian; 9% African American; 1% American Indian; 1% Pacific Islander; 1% Other	Fibromyalgia		
Stokholm 2022	Denmark	51	A: 50; F: 55.4%; R: NR	Limb-Girdle Muscular Dystrophy		A: 50; F: 0%; R: NR
Subramaniam 2013	Singapore	282	A:*; F: 18.0%; R: 17% Indian; 15% Chinese; 13% Malay; 24% Other	Other Arthritis (Mixed, Other, NOS)		
SundaraRajan 2017	Canada	54	A: 46.11; F: 48.2%; R: NR	Chronic Neuropathic Pain		
Sundstrom 2023	Sweden	404	A: 47.75; F: 93.8%; R: NR	Mixed		
Tanaka 2022	Japan	91	A: 79.36; F: 40.7%; R: NR	Mixed		
Tardif 2023	Australia, New Zealand	23915	A: 48.3; F: 55.6%; R: 75% Australia; 25% Other	Mixed		
Tatebe 2016	NR	38	A: 43; F: 52.6%; R: NR	Chronic Wrist Pain		

Taylor 2021	NR	941	A: 47.7; F: 94.8%; R: 95.9% White; 1.6% Mixed; 1.0% Asian; 0.6% Black; 0.1% Other; 0.4% NR	Fibromyalgia		
Teixido-Abiol 2022	Spain	64	A: 60.35; F: 70%; R: NR	Chronic Neuropathic Pain		
Teixido-Abiol 2022_B	Spain	64	A: 60.35; F: 70%; R: NR	Mixed		
Terassi 2020	Brazil	186	A: 68.9; F: 80.6%; R: NR	Mixed		
Tetsunaga 2013	NR	122	A: 58; F: 63.1%; R: NR	Chronic LBP	64	A: 60; F: 20.3%; R: NR
Teychenne 2019	Australia	40	A: 34.7; F: 47.5%; R: NR	Chronic LBP		
Thakral 2018	USA	1570	A: 62; F: 63.5%; R: NR	Mixed		
ThiNguy 2022	Taiwan	22	A: 49.5; F: 95.5%; R: NR	Fibromyalgia	22	A: 47.6; F: 100%; R: NR
Thomas 2022	USA	96	A: 35.34; F: 100%; R: NR	Chronic Pelvic Pain		
Thompson 2023	USA	501	A: 54.27; F: 95.4%; R: NR	Fibromyalgia		
Tocchetto 2023	Brazil	83	A: 48.67; F: 100%; R: NR	Fibromyalgia	18	A: 46.06; F: 100%; R: NR
Tsuji 2016	Japan	425	A: 53.9; F: 44.0%; R: NR	Chronic LBP		
Uebelacker 2015	USA	131	A: 50.82; F: 42.0%; R: 59% Caucasian; 27% Black/African American; 2% Native American; 4% Other; 15% Hispanic/Latino	Mixed	107	A: 51; F: 32.0%; R: 62% Caucasian; 31% Black; 3% Native American; 5% Other; 20% Hispanic/Latino
Uniyal 2017_B	India	55	A: 31.56; F: 41.8%; R: 100% South- Asian	Chronic LBP	27.5	A: 29.67; F: 40%; R: 100% South-Asian
Upadhyaya 2023	India	138	A: 47.17; F: 73.9%; R: NR	RA		
Upadhyaya 2023_B	India	62	A: 51.37; F: 90.3%; R: NR	Mixed		
Vance 2018	USA	143	A: 50.2; F: 100%; R: NR	Fibromyalgia		
vandenBerk-Clark 2017	USA	41	A: 52.9; F: 61.0%; R: 51% White; 49% African American	Mixed		
vanEeden 2023	Canada	30	A: 44.3; F: 100%; R: NR	Fibromyalgia	30	A: 44.7; F: 66.7%; R: NR
VanOvermeire 2022	Belgium	103	A: NR; F: 100%; R: NR	Fibromyalgia		
VanRyckeghem 2013	Belgium	73	A: 49.95; F: 65.8%; R: NR	Mixed		
Varinen 2019	Finland	515	A: NR; F: 85.0%; R: NR	Fibromyalgia	11409	A: NR; F: 61.9%; R: NR
Vilalta-Abella 2015	NR	19	A: NR; F: 0%; R: NR	Fibromyalgia		
Villafaina 2019	Spain	28	A: 54.96; F: 100%; R: NR	Fibromyalgia		
Voute 2023	France	329	A: 51.4; F: 75.7%; R: NR	Mixed		
Vukojević 2022	Bosnia and Herzegovina	64	A: 46.9; F: 45.3%; R: NR	Chronic LBP		
Wadley 2019	South Africa	50	A: 45; F: 88.0%; R: 100% South African	Post Injury Pain		
Wadley 2020	South Africa	63	A: NR; F: 0%; R: 100% South African	Mixed	551	
Wahlman 2014	Finland	232	A: 61.67; F: 68.0%; R: NR	Mixed		
Weingarten 2016	USA	48	A: NR; F: 100%; R: NR	Fibromyalgia		

Whitlock 2017	USA	1120	A: 73.8; F: 76.0%; R: 86% White; 8% Black; 5% Hispanic; 1% Other	Mixed	8945	A: 73.6; F: 58.1%; R: 85.6% White; 8% Black; 4.5% Hispanic; 1.9% Other
Widenka 2021	NR	60	A: 81.6; F: 78.3%; R: NR	Osteoarthritis		
			A: NR; F: 68.7%; R: 80% White; 8% American Indian/Alaska Native; 4% Black; 1% Asian American; 7% Multiracial/Other	Mixed		
Wildes 2020	USA	150		Mixed		
Wilson 2015	NR	92	A: 49.3; F: 78.0%; R: NR	Mixed		
Wilson 2022	USA	93	A: 40.58; F: 80%; R: 81.7% White Non-Hispanic; 18.3% Non-White and/or Hispanic	Mixed		
Wolfe 2013	Germany	52	A: 59.8; F: 60.8%; R: NR	Fibromyalgia	2393	A: 50.2; F: 53.5%; R: NR
Wong 2017	USA	131	A: 55; F: 67.9%; R: NR	Mixed		
Wright 2017	UK	21	A: 53.62; F: 79.2%; R: NR	Mixed		
Xu 2020	China	3039	A: *; F: 49.5%; R: NR	Mixed		
Yadav 2023	USA	223	A: 52.13; F: 50.9%; R: 5% Asian; 7.95% Black; 4.4% Other; 82.6% White	Chronic Pancreatitis	519	A: 52.13; F: 0%; R: NR
Yamada 2022	Brazil	108	A: 46.2; F: 56.5%; R: 20% White; 18% Black	Chronic LBP		
Yin 2023	China	78	A: 59.21; F: 88.5%; R: NR	Chronic Musculoskeletal Pain		
Yu 2021	UK	555	A: 40; F: 86.3%; R: 92% White; 4% Mixed; 2% Asian; 1% Black; 1% Other	Mixed		
Zaidel 2021	USA	4201	A: NR; F: 67.3%; R: NR	Mixed		
Zakrzewska 2017	UK	225	A: 60.9; F: 63.6%; R: 11% Asian; 84% Anglo-American; 6% Other	Trigeminal Neuralgia		
			A: 42.88; F: 88.0%; R: 94% White; 1% Black/Black British; 1% Asian/Asian British; 2% Mixed; 2% Other	Mixed		
Zambelli 2021	UK	1059		Mixed		
Zubatsky 2020	USA	320	A: NR; F: 71.3%; R: NR	Chronic LBP		

Note. *Indicates data reported categorically versus mean or median. Study IDs that end in _B or _C indicate distinct pain groups within a larger study. Mixed conditions also includes studies where pain condition was not reported. RA = Rheumatoid Arthritis; TMD = Temporal mandibular disorder; CRPS = complex regional pain syndrome; MOGAD = Myelin oligodendrocyte glycoprotein antibody-associated disease; Chronic LBP = Chronic Low Back Pain

eTable 2. Overview of Symptom Measures and Diagnostic Assessments Used

Study ID	Depression Symptoms		Anxiety Symptoms		Depression Diagnosis	Anxiety Diagnosis
	Measure	Cutoff	Measure	Cutoff		
Aagaard 2023	PHQ-9	10			PRIME-MD	
Abrams 2013	CES-D	16				
Ahmad 2023	HADS-D	11				
Ajo 2017	HADS-D	11	HADS-A	11		
Åkerblom 2020	HADS-D	11	HADS-A	11		
Akui 2022	Zung SDS	16	STAI-T	40		
Alamam 2019	DASS-21	14	DASS-21	10		
Alberts 2020	PHQ-8	10	GAD-7	10		
Alciati 2018						
Alciati 2020					SCID-I-CV SCID-I	SCID-I
Alhalal 2021	CES-D	16			SCID-I	SCID-I
Allaire 2018	PHQ-9	10	GAD-7	10		
Al-Maharbi 2018	PHQ-9	6				
Aloush 2021	PHQ-9	10	GAD-7	10		
AlShukaili 2022	PHQ-9	12				
AlvesRodrigues 2022	BDI-II	20	BAI	11		
Amatsu 2022	GDS-15	5				
Amital 2014	BDI-II	20				
Ammitzbøll 2021	PHQ-9	10				
Andersen 2016	HADS-D	8	HADS-A	8		
Annagür 2014					SCID-I	SCID-I
Antaky 2017	HADS-D	11				
Antunes 2013	BDI	16.5				
Ardigo 2016	HADS-D	8	HADS-A	8		
Areias 2023	PHQ-9	5	GAD-7	5		
Argoff 2016	HADS-D	11	HADS-A	11		
Asada 2022	GDS-15	6				
Asada 2022_B		6				
Aşçıbaşı 2022	HADS-D	8	HADS-A	11		
Asih 2014	BDI-II	20				
Asih 2016					SCID-I	SCID-I
Asseyer 2021	BDI-II	14				
Ataoglu 2013	BDI	20				
Avluk 2014	HAM-D	16				
Bagnato 2014	HAM-D	18				
Bailey 2020	PHQ-9	5	GAD-7	5		
Bapir 2023			GAD-7	5		
Barbosa 2016	HADS-D	8	HADS-A	8		
Barjandi 2021	PHQ-9	10	GAD-7	10		

Barjandi 2021_B	PHQ-9	10	GAD-7	10		
Barth 2014	CES-D	10				
Barton 2021	PHQ-8	10				
Bayrak 2020	HDRS	7	BAI	8		
Bayram 2014	HADS-D	8	HADS-A	11		
Bayram 2014_B	HADS-D	8	HADS-A	11		
Bell 2016	PHQ-9	10				
Bilen 2022	BDI	19	BAI	16		
Birch 2022	HADS-D	11	HADS-A	11		
Blakey 2018					SCID-I	
Bohn 2013	PHQ-2	3				
Botros 2022	PHQ-8	5	GAD-7	5		
Boukhira 2021	HADS-D	11	HADS-A	11		
Bravo 2019	HADS-D	11	HADS-A	11		
BromleyMilton 2013	HADS-D	11	HADS-A	11		
Bruce 2021	CES-D	16				
Brunner 2023	PHQ-8	10				
Bryant 2016	HADS-D	11	HADS-A	11		
Bucourt 2021					MINI	MINI
Bucourt 2021_B					MINI	MINI
Bucourt 2021_C					MINI	MINI
Calandre 2022	PHQ-9	10				
Calderón 2016	HADS-D	8	HADS-A	8		
Calpin 2017	HADS-D	11	HADS-A	11		
Campbell 2015					CIDI	CIDI
Campbell 2015b	PHQ-9	10	GAD-7	10		
Campos 2021	HADS-D	8	HADS-A	8		
Cappe 2021	HADS-D	10	HADS-A	10		
Carleton 2022	PHQ-9	10	GAD-7	10		
Carrillo-de-la-Peña 2015	BDI	18				
Carrillo-Izquierdo 2018	PHQ-9	10				
Carta 2018					ANTAS	ANTAS
CasteloAzevedo 2021	CIS-R	2				
Caumo 2022					MINI	MINI
Chaabouni 2022	HADS-D	10	HADS-A	10		
Chahal-Kummen 2019	HADS-D	8	HADS-A	8		
Chahal-Kummen 2023	HADS-D	8	HADS-A	8		
Challa 2017	PHQ-9	10				
Chana 2021	PHQ-9	10	GAD-7	10		
Chang 2018	GDS-30	10	HAM-A	18		
Cheatle 2023					MINI	
Chen 2022	PHQ-8	10	GAD-2	3		
Cheng 2018	CES-D Brief	12				

Cheng 2022	PROMIS CAT	59.9	PROMIS CAT	62.3		
Cho 2017	HADS-D	8	HADS-A	8		
Choi 2018	BDI	20				
Chytas 2023	BDI-II	21				
Ciaramella 2015					MINI Plus	MINI Plus
Ciaramella 2015_B					MINI Plus	MINI Plus
Civelek 2022	GDS-30	11				
Clark 2018			STAI-T	39		
Clark 2019			STAI-T	39		
Cody 2019	PHQ-2	3				
Conway 2020	PHQ-9	11	GAD-7	11		
Corriger 2022	HADS-D	11	HADS-A	11		
Costa 2023	HADS-D	8	HADS-A	8		
Csupak 2018						CIDI
Csupak 2018_B						CIDI
DaLuz 2018	HADS-D	8	HADS-A	8		
Damci 2022	HADS-D	11	HADS-A	11		
Davis 2014	CES-D	27				
Davis 2014_B	CES-D	27				
Dear 2023	PHQ-9	10	GAD-7	10		
deHeer 2017	HADS-D	8	HADS-A	8		
DeLaRosa 2023	PHQ-8	10	GAD-7	10		
DelPozo-Cruz 2017	BDI	17				
deMoraesVieira 2014	BDI	16				
Depintor 2016	HADS-D	9	HADS-A	9		
DeRoa 2018	HADS-D	11	HADS-A	11		
Doherty 2017	BDI-PC	5				
Domenech 2013	HADS-D	11	HADS-A	11		
DosSantosProença 2023	PHQ-9	11	GAD-7	10		
Dougados 2017	HADS-D	11	HADS-A			
Drummond 2013	DASS-21	88th Percentile	DASS-21	88th Percentile		
Drummond 2013_B	DASS-21	24	DASS-21	88th Percentile		
D'Souza 2020	PHQ-9	10	GAD-7	10		
Dubois-Mendes 2021	HADS-D	9	HADS-A	8		
Dumolard 2023	HADS-D	11	HADS-A	11		
Durán 2021					CIDI Short Form	
Ecija 2022	HADS-D	13	HADS-A	13		
Edit 2013	BDI	19				
Elrashidi 2018	PHQ-9	10	GAD-7	10		
Emery 2014					PRIME-MD	PRIME-MD
Englbrecht 2019	PHQ-9	10				
Eriksen 2021	MDI	25				
Falling 2021	HADS-D	8	HADS-A	8		

Farin 2015	HADS-D	12	HADS-A	12		
Farzad 2021	DASS-21	28	DASS-21	20		
Feingold 2017	PHQ-9	10	GAD-7	10		
Feingold 2018	PHQ-9	10	GAD-7	10		
Feingold 2020	PHQ-9	10	GAD-7	10		
Feliu-Soler 2017	CES-D	20				
Fiegl 2019	CES-D	22			ICF Checklist	
Filippon 2013					MINI	
Finn 2018	HADS-D	9	HADS-A	9		
Fischer-Jbali 2022					SCID-I	SCID
Flores-Curiel 2023	BDI	17				
Foti 2022	BDI-II	14				
Foti 2022_B	BDI-II	14				
Frede 2023	PHQ-9	10				
Freo 2021	HADS-D	8	HADS-A	8		
Garaigordobil 2016	BDI	18				
Garbi 2014	BDI	21				
GarciaCarrasco 2013	CES-D	16				
Garnæs 2022	HADS-D	8	HADS-A	8		
Gavilan-Carrera 2022	BDI-II	29				
Gebauer 2019	PHQ-2	3				
Gelonch 2017	BDI-II	20				
Gelonch 2018	BDI-II	14				
Gentili 2019			GAD-7	10		
Gerdle 2019	HADS-D	11	HADS-A	11		
Gerra 2021	BDI	14				
Gisev 2019	PHQ-9	10	GAD-7	10		
Giummarra 2020	DASS-21	14	DASS-21	10		
Goesling 2015	HADS-D	11				
Goesling 2015_B	HADS-D	11				
Goesling 2015b	HADS-D	11				
Goesling 2018	HADS-D	11				
Gomes 2023	HADS-D	15				
Corpynchenko 2021	PHQ-9	10	GAD-7	10		
Gota 2017	PHQ-9	10				
Govind 2020	PHQ-8	10				
Greenberg 2022	PROMIS (8 item)	55	PROMIS (8 item)	55		
Gündüz 2018					SCID-I	SCID-I
Gündüz 2018_B					SCID-I	SCID-I
Gündüz 2019					SCID-I	SCID-I
Gündüz 2019b					SCID-I	SCID-I
Gupta 2014	BDI	17				
Gupta 2016	BDI	17				

Hållstam 2017	HADS-D	8	HADS-A	8		
Hamdi 2021	BDI	16	BAI	25		
Hamdi 2021_B	BDI	16	BAI	25		
Han 2019	PHQ-9	10				
Hansdorfer-Korzon 2016	HADS-D	8	HADS-A	8		
Hardy 2022	BDI	8	STAI-T	57		
Harrison 2016	PHQ-9	11				
Hasuo 2020	HADS-D	8	HADS-A	8		
Häuser 2014	PHQ-2	3				
Häuser 2015					ICF Checklist	ICF Checklist
Häuser 2015b	PHQ-2	3	GAD-2	3		
Hoban 2015	PHQ-9	11	GAD-7	11		
Hochman 2013	CES-D	16				
Hogestol 2017	HADS-D	12	HADS-A	12		
Holloway 2017	CES-D	16				
Honda 2022	GDS-15	6				
Hong 2018	PHQ-9	10				
Hudak 2022					MINI	
Hughes 2019	BDI-II	20				
Iannuccelli 2021	Zung SDS	48	Zung SAS	60		
Iannuccelli 2021_B	Zung SDS	48	Zung SAS	60		
Inanc 2014	HADS-D	7	HADS-A	10		
Ingegnoli 2022	PHQ-9	15				
Islam 2023	HADS-D	8	HADS-A	8		
Islam 2023_B	HADS-D	8	HADS-A	8		
Jain 2013					MADRS	
Jaiswal 2016	PHQ-9	15				
Jaiswal 2016_B	PHQ-9	15				
Janela 2022	PHQ-9	5	GAD-7	5		
Järemo 2022	HADS-D	11	HADS-A	11		
Jedel 2020	HADS-D	7	HADS-A	7		
Jegan 2017	HADS-D	11				
Jensen 2016	HADS-D	11	HADS-A	11		
Jiao 2021	BDI-II	8				
Jimenez-Rodríguez 2014	BDI	18				
Jimenez-Rodríguez 2014_B	BDI	18				
Jin 2021	CES-D	16				
Jin 2021_B	CES-D	16				
Jindal 2021	Zung SDS (Modified)	33				
John 2022	PHQ-9	10				
John 2022_B	PHQ-9	10				
John 2022_C	PHQ-9	10				
Jouini 2014	HADS-D	11	HADS-A	11		

Joyce 2021	PHQ-8	10	GAD-7	10		
Kadimpati 2015	CES-D	20				
Kallusky 2023	BDI-II	20	HADS-A	8		
Karafin 2018	PHQ-9	10	GAD-7	10		
Karas 2020	BDI	14	BAI	16		
Kazemi 2013	HADS-D	11	HADS-A	11		
Kazemi 2013_B	HADS-D	11	HADS-A	11		
Kec 2022	HADS-D	8	HADS-A	8		
Kha 2020					PRIME-MD	
Khazen 2021	BDI	19				
KibuneNagasako 2016	HADS-D	9	HADS-A	9		
Kim 2021	HADS-D	11	HADS-A	11		
Knaster 2016					SCID-I	
Koh 2014	PHQ-9	10				
Kosson 2018	HADS-D	11	HADS-A	11		
Kroenke 2020					SCID (version NR)	
Kroenke 2020_B					SCID (version NR)	
Lamerato 2023	PHQ-2	3				
Landefeld 2017	CES-D	16				
Larance 2019	PHQ-9	10	GAD-7	10		
Laurent 2014	HADS-D	10	HADS-A	10		
Laurent 2022	HADS-D	8	HADS-A	8		
Lee 2014					SCID-I	SCID-1
Lee 2020	PHQ-9	11	GAD-7	11		
León-Suárez 2023	HADS-D	9	HADS-A	9		
Lerman 2015	CES-D	19				
Lin 2017	BDI	19				
Lindemann 2023	HADS-D	8	HADS-A	8		
Liu 2018	PHQ-8	10				
Longo 2022	GDS-30	10				
Lopez 2013	BDI-II	20				
Luciano 2014	HADS-D	11	HADS-A	11		
Luque-Reca 2021	HADS-D	11	HADS-A	11		
Mahendru 2021	DASS-42	10	DASS-42	8		
Mahlich 2019	PHQ-9	10				
Mameli 2014					SCID-I	SCID-I
Mann 2017	PHQ-9	10				
Mantyselka 2017	BDI	10				
Marcum 2014	CES-D	16				
Marino 2021	HAM-D	22	HAM-A	18		
Mattila-Rautiainen 2023	BDI	20				
Mayer 2013					SCID-I	
Mayer 2013_B					SCID-I	

McCracken 2023	PHQ-9	10	GAD-7	10		
McWilliams 2017	PHQ-9	10				
Mehraban 2014					SCID-I	SCID-I
Merlin 2015	PHQ-9	10				
Midbari 2016	BDI	22				
Miller-Matero 2016	HADS-D	9	HADS-A	9		
Moraes 2021	HADS-D	9	HADS-A	9		
Morlà 2021_B	HADS-D	8				
Morlà 2021	HADS-D	8				
Muharam 2022					MINI	MINI
Murata 2019	GDS-15	6				
MurMartí 2017	HADS-D	11	HADS-A	11		
Mustonen 2019	BDI-II	10	HADS-A	8		
Nacak 2021					SCID-I	
Neblett 2016	BDI	10				
Neikrug 2017					SCID (version NR)	SCID (version NR)
Nguyen 2021	GDS-15	6				
Norman-Nott 2022	BDI	19				
Offenbaecher 2013	HADS-D	9	HADS-A	9		
Ojeda 2018	HADS-D	10	HADS-A	10		
Ojeda 2018_B	HADS-D	10	HADS-A	10		
Ojeda 2018_C	HADS-D	10	HADS-A	10		
Osório 2016					SCID-I-CV	SCID-I-CV
Parisi 2022					MINI	MINI
Pasin 2023			BAI	16		
Peilot 2018	BDI	19	BAI	16		
Penacoba 2023	HADS-D	12	HADS-A	12		
Phillips 2014	HADS-D	11	HADS-A	11		
PicchiantiDiamanti 2020	DASS-21	10	DASS-21	8		
Pinto 2022	HADS-D	9	HADS-A	9		
Plinsinga 2020	HADS-D	8	HADS-A	8		
Plinsinga 2023	PHQ-9	15	GAD-7	10		
Porru 2023	PHQ-9	15				
Porru 2023_B	PHQ-9	15				
Poulin 2016	PHQ-9	10	GAD-7	10		
Prateepavanich 2018	HAM-D	14				
Preti 2019	PHQ-9	10				
Preti 2019_B	PHQ-9	10				
Preti 2019_C	PHQ-9	10				
Priol 2023	BDI	8	HADS-A	11		
Proctor 2013					CAPPE	CAPPE
Puto 2023	GDS-15	6				
Quidé 2022	BDI	19				

Quinlan 2021	PHQ-9	11				
Racine 2014						
Racine 2017	BDI	19				
Radat 2013					MINI	MINI
Rapariz-González 2014			Goldberg Anxiety Scale	4		
Rayner 2016	PHQ-9	15				
Reiter 2017	PHQ-9	10	GAD-7	10		
Reiter 2017_B	PHQ-9	10	GAD-7	10		
Reiter 2018	PHQ-9	10	GAD-7	10		
Rexelius 2020	MADRS	13				
Rezaei 2014	HADS-D	11				
Rice 2016	DASS-21	7	DASS-21	8		
Rice 2016_B	DASS-21	7	DASS-21	8		
Robinson 2013	BDI-II	14				
Rogal 2015	HADS-D	8	HADS-A	8		
Rogers 2021	PHQ-9	11				
Rojas 2021	CES-D	19				
Rometsch 2022	DASS-21	10	DASS-21	6		
Rometsch 2023	PHQ-9	11	GAD-7	11		
Rouch 2021	CES-D	17 men, 23 women				
Rouch 2023					DIGS	DIGS
Rovner 2017	HADS-D	11	HADS-A	11		
Roy 2022	PHQ-9	15				
RusMakovec 2015	Zung SDS	60	Zung SAS	60		
Rusu 2016	HADS-D	11			SCID-I	
Saariaho 2015	BDI-II	20				
Sachau 2023	HADS-D	8	HADS-A	8		
Sagheer 2013	HADS-D	11	HADS-A	11		
Saglam 2022	BDI	17				
Santos 2017					MINI	MINI
Scherrer 2015	PHQ-2	3				
Schmukler 2023	MDHAQ-Dep	1				
Schmukler 2023_B	MDHAQ-Dep	1				
Schmukler 2023_C	MDHAQ-Dep	1				
Schroeter 2015					SCID-I	SCID-I
Schroeter 2015_B					SCID-I	SCID-I
Schwab 2022	PHQ-2	3	GAD-2	3		
Schwarm 2021	HADS-D	8	HADS-A	8		
Seed 2015					MINI	
Seekatz 2016	PHQ-9	10				
Sener 2013	BDI	17	BAI	16		
Sengupta 2023	GDS-15	5				
Shamji 2016	BDI	10	BAI	8		

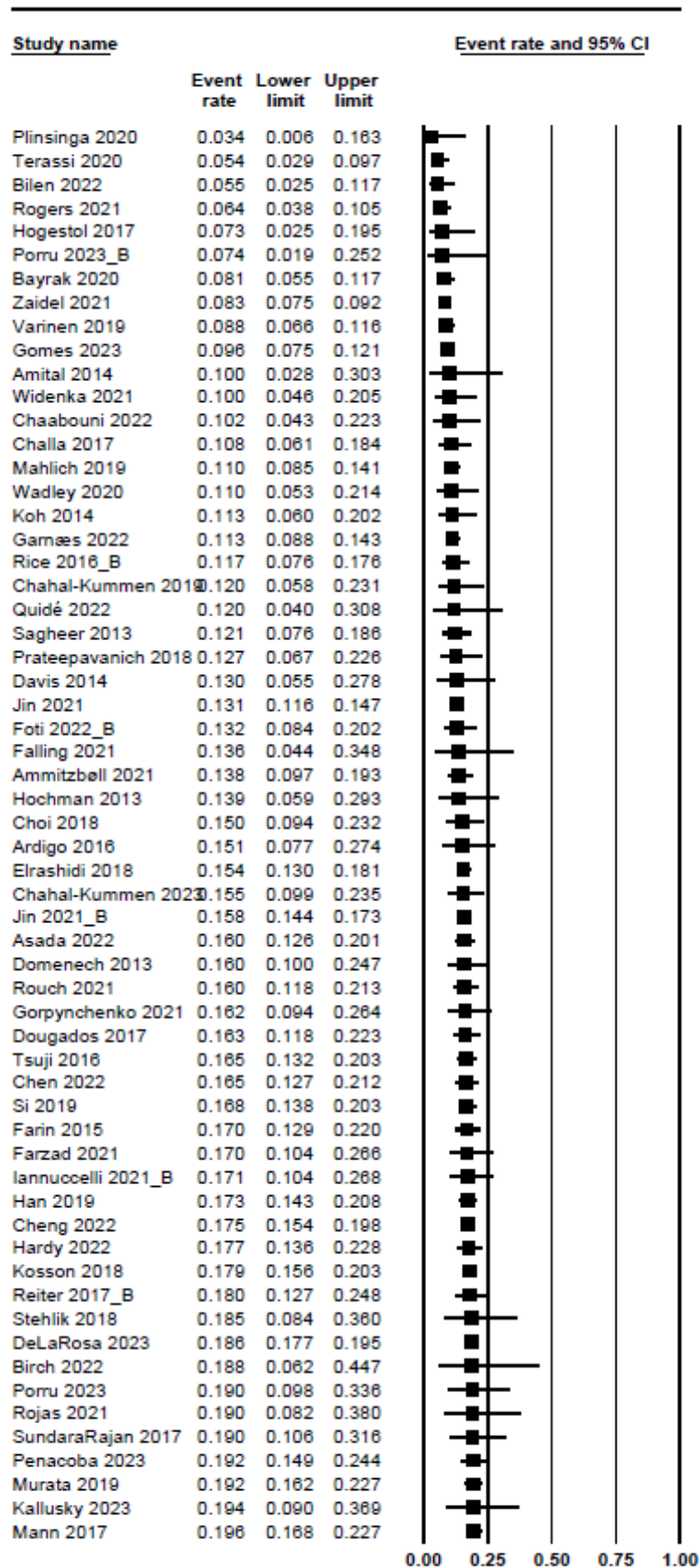
Sharma 2022	PHQ-9	11	GAD-7	11		
Shebeshi 2023			DASS-21	14		
Shmagel 2016	PHQ-9	10				
Si 2019	GDS-5	2				
Silva 2021	HADS-D	11	HADS-A	11		
Siqueira-Campos 2019	HADS-D	8	HADS-A	8		
Siqueira-Campos 2022	PHQ-9	10	GAD-7	10		
Sitges 2018	BDI-II	29				
Slawek 2021	PHQ-9	10	GAD-7	10		
Sleurs 2020					AUDADIS-5 SCID-I	AUDADIS-5 SCID-I
Sohn 2016						
Song 2015	CES-D Brief	10				
Soriano-Maldonado 2015	BDI-II	20				
Souza 2021	RDC/TMD	0.535				
Sparkes 2015	HADS-D	11	HADS-A	11		
Stefani 2019	BDI	19				
Stefani 2019_B	HDRS	18				
Stefani 2019_C	HDRS	18				
Stehlik 2018	HADS-D	10	HADS-A	10		
Stein 2015	PHQ-2	3				
Steiner 2017	PHQ-8	5				
Stokholm 2022	HADS-D	8	HADS-A	8		
Subramaniam 2013					CIDI	CIDI
SundaraRajan 2017	HADS-D	8	HADS-A	8		
Sundstrom 2023	PHQ-9	8				
Tanaka 2022	HADS-D	8	HADS-A	8		
Tardif 2023	DASS-21	14	DASS-21	10		
Tatebe 2016	Zung SDS	40				
Taylor 2021	HADS-D	11	HADS-A	11		
Teixido-Abiol 2022	HAM-D	13	HAM-A	15		
Teixido-Abiol 2022_B	HAM-D	13	HAM-A	15		
Terassi 2020	GDS-15	11				
Tetsunaga 2013	Zung SDS	40				
Teychenne 2019	CES-D Brief	10				
Thakral 2018	PHQ-8	10				
ThiNguy 2022	BDI-II	20	BAI	19		
Thomas 2022	PHQ-9	10	GAD-7	10		
Thompson 2023	CES-D	19				
Tocchetto 2023	HDRS	18			MINI	MINI
Tsuji 2016	PHQ-9	10				
Uebelacker 2015	CES-D Brief	10				
Uniyal 2017_B	PHQ-9	10	GAD-7	10		
Upadhyaya 2023	HADS-D	11	HADS-A	11		

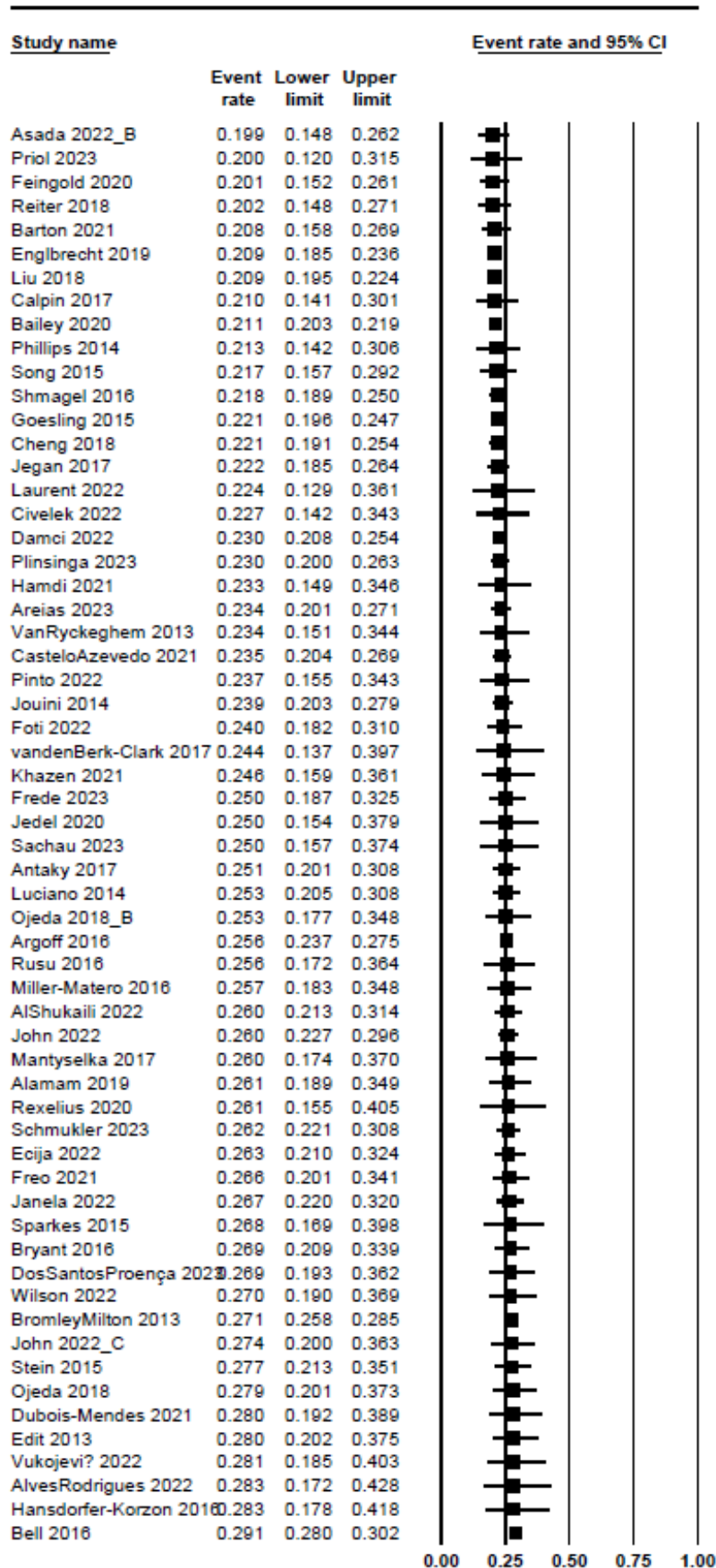
Upadhyaya 2023_B	HADS-D	11	HADS-A	11		
Vance 2018	PROMIS (version NR)	61	PROMIS (version NR)	61		
vandenBerk-Clark 2017	PHQ-9	15	BAI-PC	5		
vanEeden 2023	HADS-D	11	HADS-A	11		
VanOvermeire 2022	PHQ-2	3				
VanRyckeghem 2013	HADS-D	13				
Varinen 2019	BDI	19				
Vilalta-Abella 2015	HADS-D	12				
Villafaina 2019	GDS-15	6				
Voute 2023	HADS-D	11	HADS-A	11		
Vukojević 2022	HAM-D	9	HAM-A	19		
Wadley 2019	BDI-II	20				
Wadley 2020	PHQ-9	10				
Wahlman 2014	DEPS	12				
Weingarten 2016	PHQ-9	15	GAD-7	10		
Whitlock 2017	CES-D	4				
Widenka 2021	GDS-15	11				
Wildes 2020	PHQ-8	10	GAD-7	10		
Wilson 2015	PHQ-8	15				
Wilson 2022	PROMIS (8 item)	23				
Wolfe 2013	PHQ-2	3	GAD-2	3		
Wong 2017	Zung SDS	60				
Wright 2017	PHQ-9	15				
Xu 2020					CIDI	CIDI
Yadav 2023	PROMIS-29	61	PROMIS-29	61		
Yamada 2022	HADS-D	9	HADS-A	9		
Yin 2023	GDS-15	6				
Yu 2021	PHQ-9	10				
Zaidel 2021	PHQ-2	3				
Zakrzewska 2017	HADS-D	9	HADS-A	9		
Zambelli 2021	HADS-D	11				
Zubatsky 2020	PHQ-2	3				

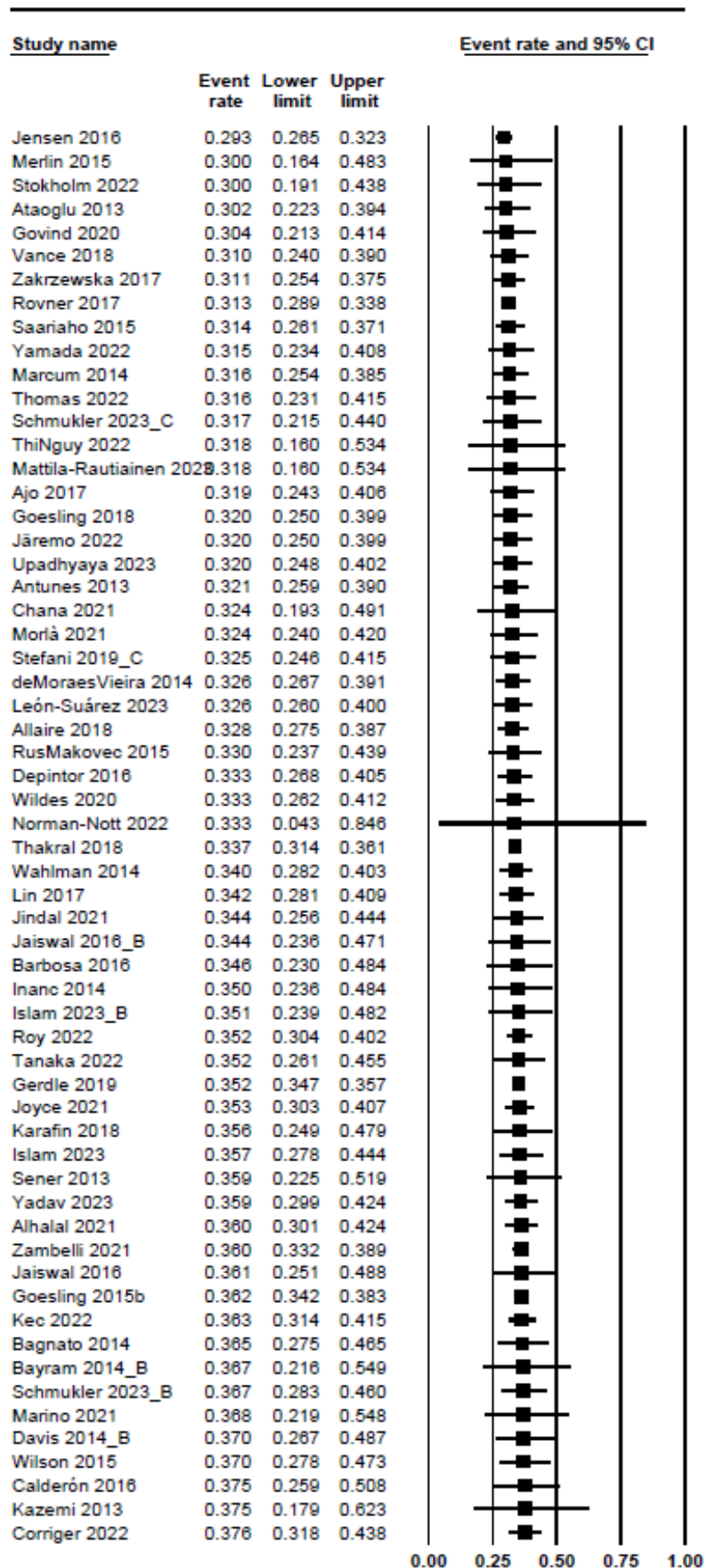
Note: BDI = Beck Depression Inventory; BDI-PC = BDI-Primary Care; CES-D = Center for Epidemiological Studies Depression Scale; CIS-R = Clinical Interview Schedule-Revised; DASS = Depression, Anxiety, and Stress Scale; DEPS = Depression Scale; GDS = Geriatric Depression Scale; HADS-D = Hospital Anxiety and Depression Scale-Depression Subscale; HAM-D = Hamilton Depression Rating Scale; HDRS = Hamilton Depression Rating Scale; MADRS = Montgomery-Åsberg Depression Rating Scale; MDHAQ-Dep = Multidimensional Health Assessment Questionnaire-Depression; MDI = Major Depression Inventory; PHQ = Patient Health Questionnaire; PROMIS = Patient-Reported Outcomes Measurement Information System; PROMIS CAT = PROMIS Computerized Adaptive Test; RDC/TMD = Research Diagnostic Criteria for Temporomandibular Disorders; Zung SDS = Zung Self-Rating Depression Scale; BAI = Beck Anxiety Inventory; BAI-PC = BAI-Primary Care; CAPPE = Community Assessment of Psychic Experiences-Positive Scale; CIDI = Composite International Diagnostic Interview; GAD = Generalized Anxiety Disorder Assessment; HADS-A = Hospital Anxiety and Depression Scale-Anxiety Subscale; HAM-A = Hamilton Anxiety Rating Scale; STAI-T = State-Trait Anxiety Inventory-Trait Version; Zung SAS = Zung Self-Rating Anxiety Scale; ANTAS = Advanced Neuropsychiatric Tools and

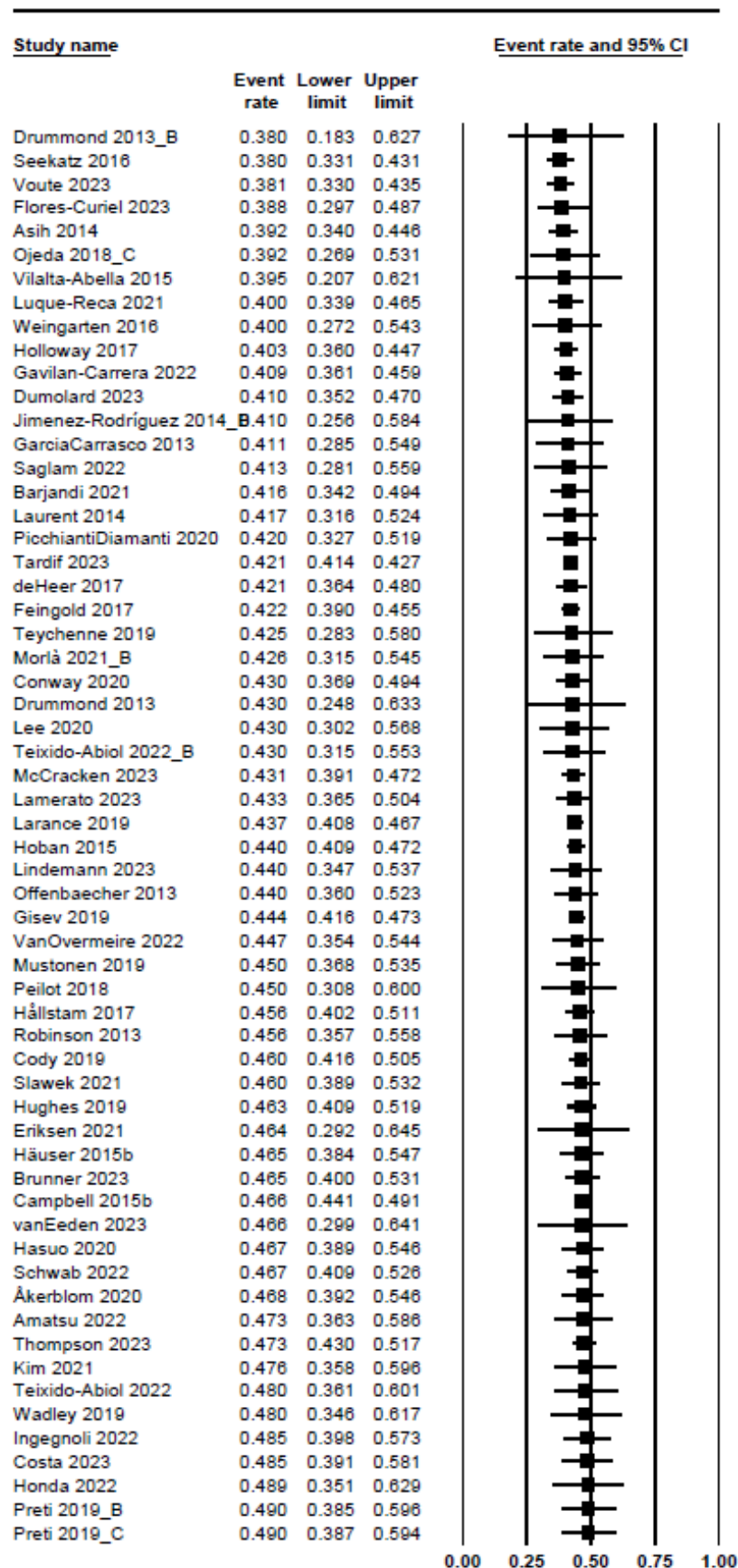
Assessment Schedule; AUDADIS = Alcohol Use Disorders and Associated Disabilities Interview Schedule; DIGS = Diagnostic Interview for Genetic Studies; ICF = International Classification of Functioning, Disability, and Health; MINI = Mini International Neuropsychiatric Interview; PRIME-MD = Primary Care Evaluation of Mental Disorders; SCID = Structured Clinical Interview for DSM Disorders; SCID-I-CV = Structured Clinical Interview for DSM Disorders-Clinical Version.

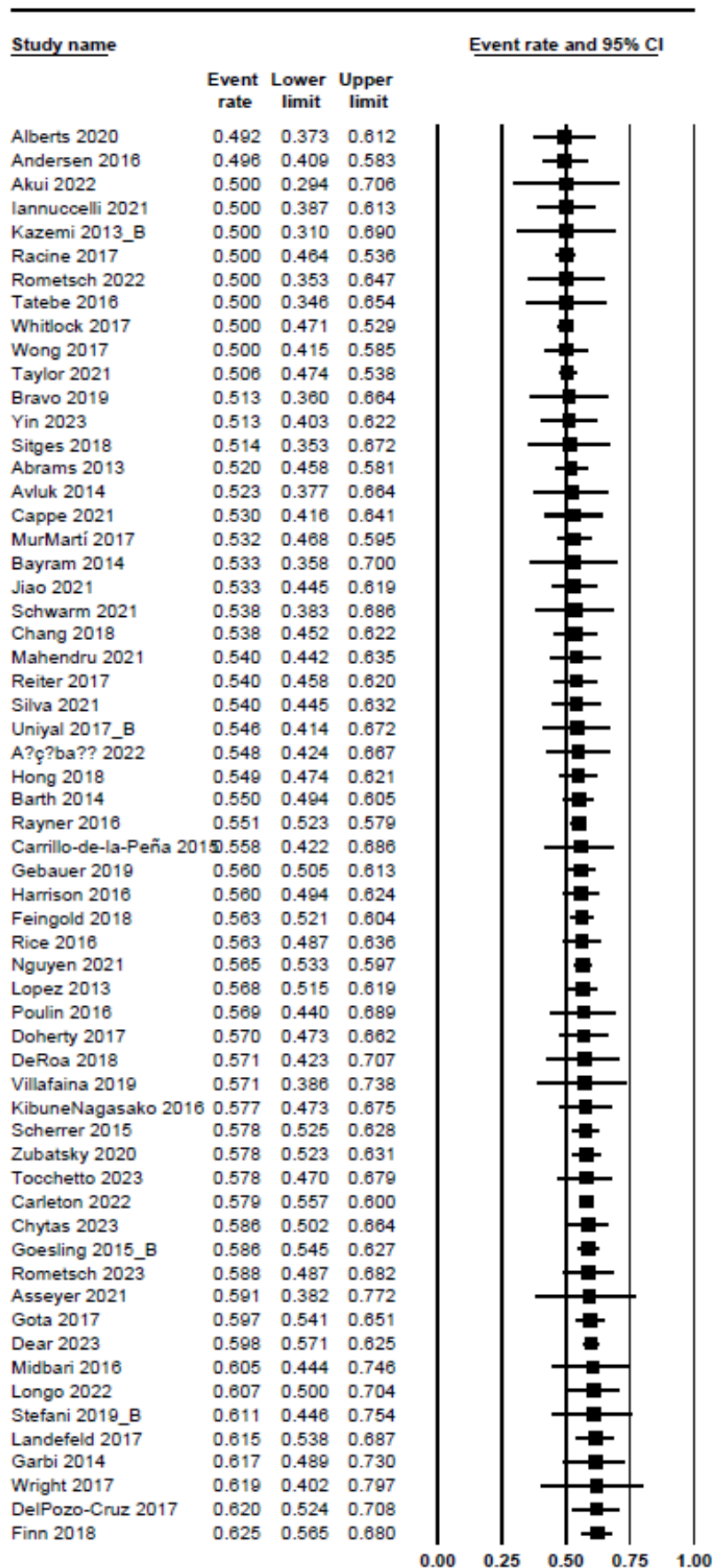
eFigure 1. Prevalence of Clinical Symptoms of Depression, Forest Plots

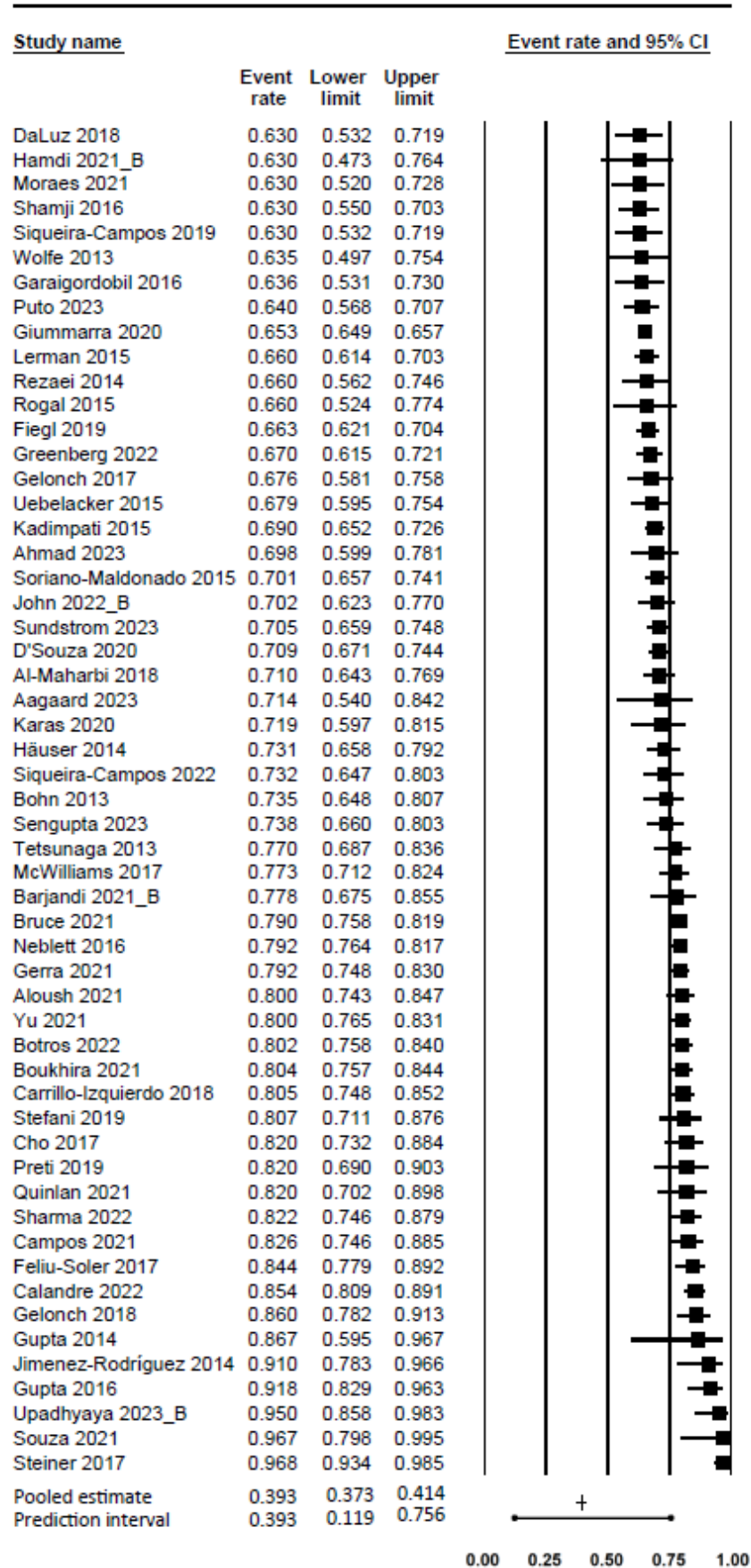




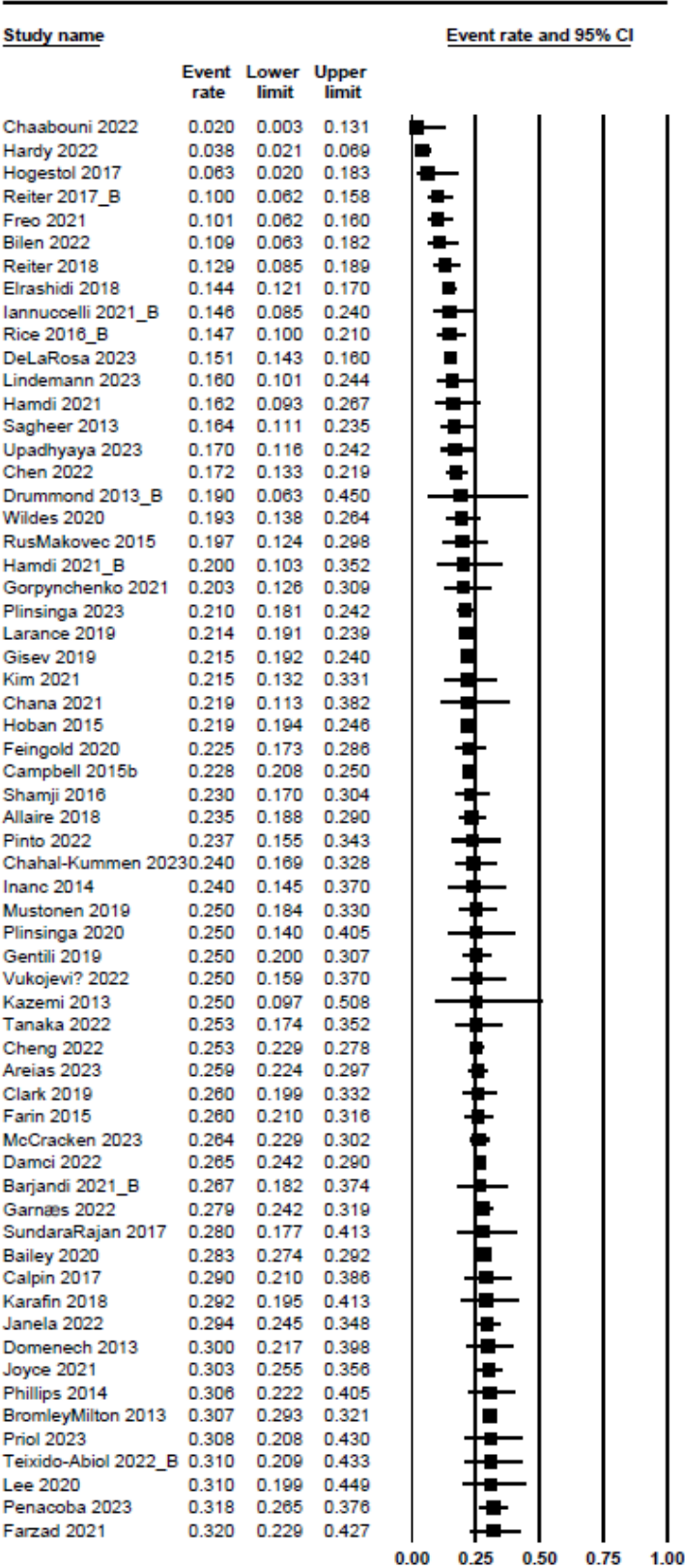


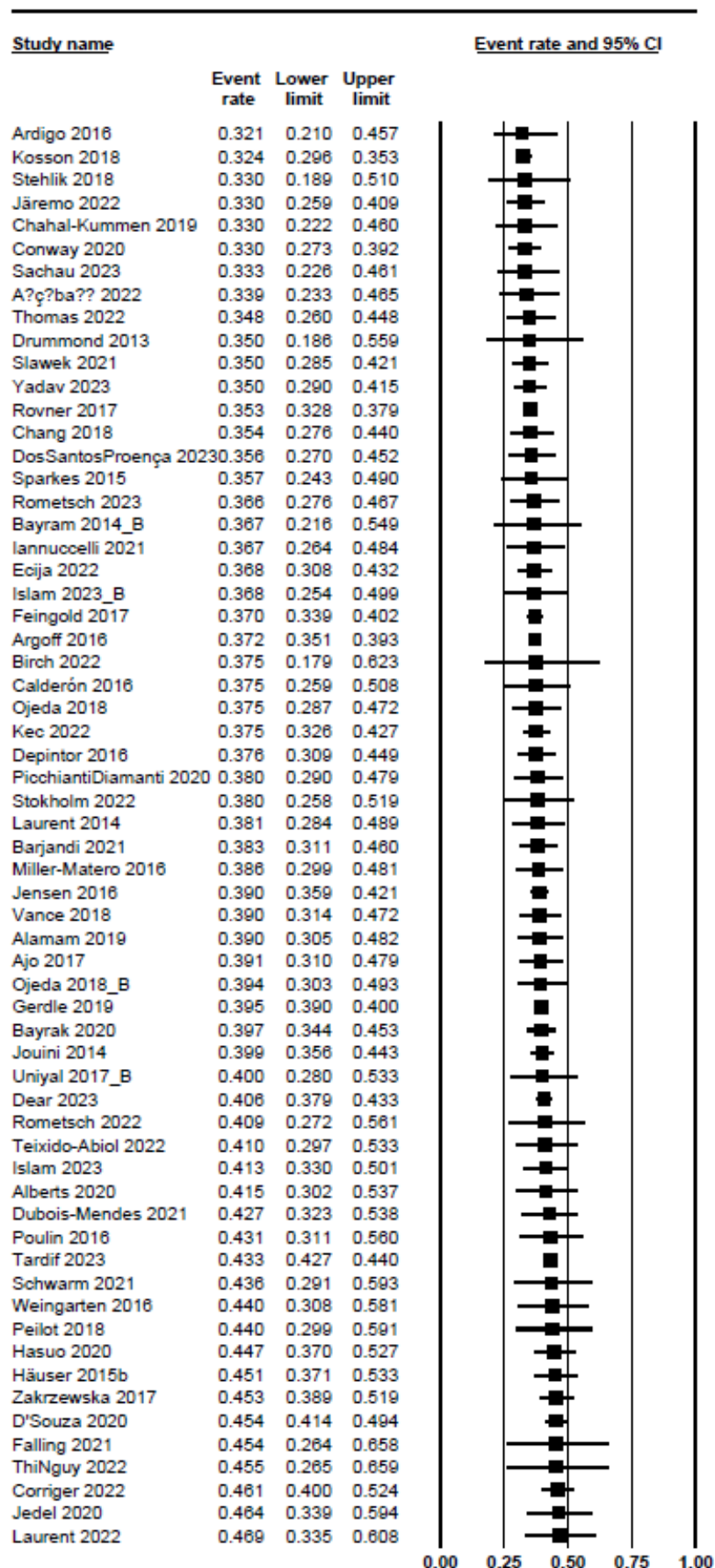


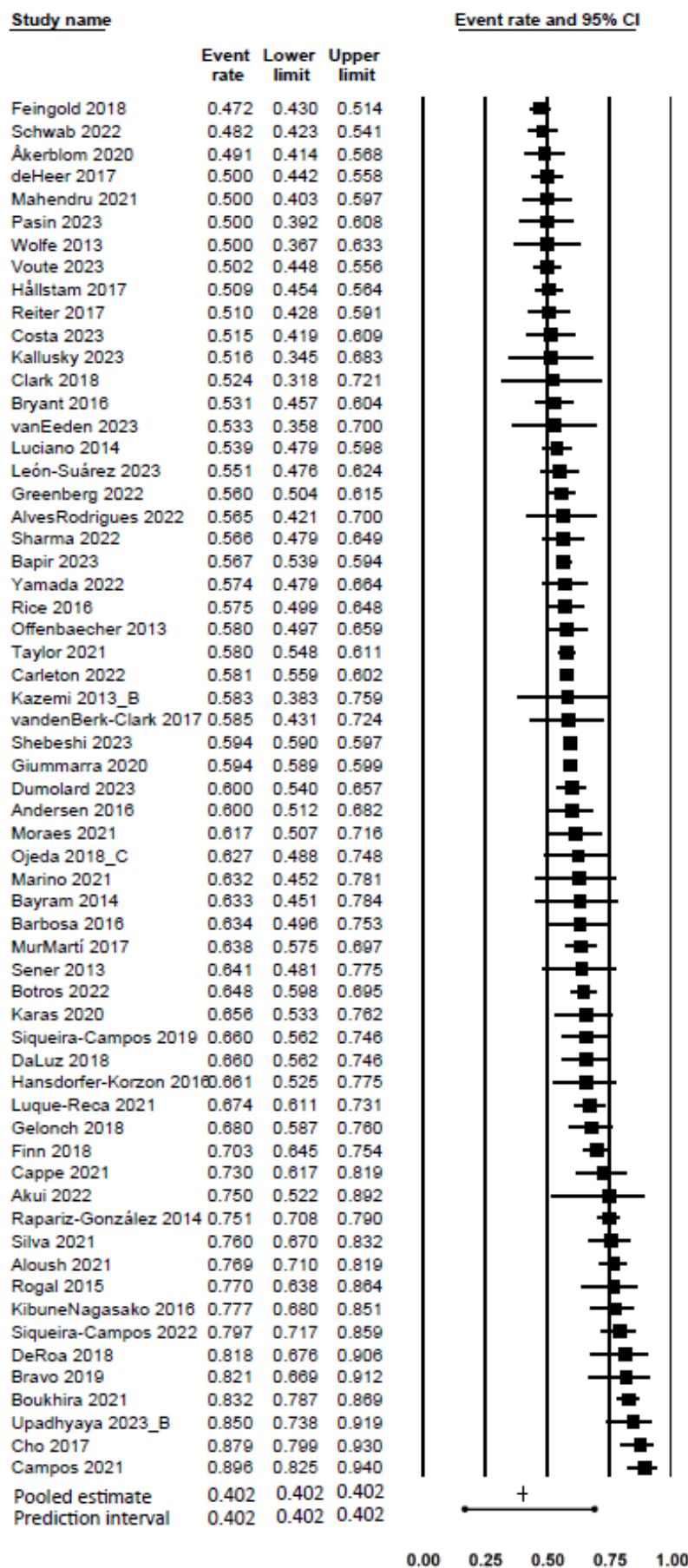




eFigure 2. Prevalence of Clinical Symptoms of Anxiety, Forest Plots







eTable 3. Pooled Prevalence of Clinical Symptoms of Depression

Study ID	Event Rate	95% CI	Weight	Study ID	Event Rate	95% CI	Weight
Aşçıbaşı 2022	0.55	(0.42, 0.67)	0.28	Calpin 2017	0.21	(0.14, 0.30)	0.28
Aagaard 2023	0.71	(0.54, 0.84)	0.25	Campbell 2015b	0.47	(0.44, 0.49)	0.31
Abrams 2013	0.52	(0.46, 0.58)	0.30	Campos 2021	0.83	(0.75, 0.88)	0.28
Ahmad 2023	0.70	(0.60, 0.78)	0.29	Cappe 2021	0.53	(0.42, 0.64)	0.28
Ajo 2017	0.32	(0.24, 0.41)	0.29	Carleton 2022	0.58	(0.56, 0.60)	0.31
Åkerblom 2020	0.47	(0.39, 0.55)	0.30	Carrillo-de-la-Peña 2015	0.56	(0.42, 0.69)	0.27
Akui 2022	0.50	(0.29, 0.71)	0.23	Carrillo-Izquierdo 2018	0.81	(0.75, 0.85)	0.30
Alamam 2019	0.26	(0.19, 0.35)	0.29	CasteloAzevedo 2021	0.23	(0.20, 0.27)	0.30
Alberts 2020	0.49	(0.37, 0.61)	0.28	Chaabouni 2022	0.10	(0.04, 0.22)	0.23
Alhalal 2021	0.36	(0.30, 0.42)	0.30	Chahal-Kummen 2019	0.12	(0.06, 0.23)	0.25
Allaire 2018	0.33	(0.27, 0.39)	0.30	Chahal-Kummen 2023	0.16	(0.10, 0.24)	0.28
Al-Maharbi 2018	0.71	(0.64, 0.77)	0.30	Challa 2017	0.11	(0.06, 0.18)	0.27
Aloush 2021	0.80	(0.74, 0.85)	0.30	Chana 2021	0.32	(0.19, 0.49)	0.26
AlShukaili 2022	0.26	(0.21, 0.31)	0.30	Chang 2018	0.54	(0.45, 0.62)	0.29
AlvesRodrigues 2022	0.28	(0.17, 0.43)	0.26	Chen 2022	0.17	(0.13, 0.21)	0.30
Amatsu 2022	0.47	(0.36, 0.59)	0.28	Cheng 2018	0.22	(0.19, 0.25)	0.30
Amital 2014	0.10	(0.03, 0.30)	0.17	Cheng 2022	0.18	(0.15, 0.20)	0.31
Ammitzbøll 2021	0.14	(0.10, 0.19)	0.29	Cho 2017	0.82	(0.73, 0.88)	0.28
Andersen 2016	0.50	(0.41, 0.58)	0.29	Choi 2018	0.15	(0.09, 0.23)	0.28
Antaky 2017	0.25	(0.20, 0.31)	0.30	Chytas 2023	0.59	(0.50, 0.66)	0.30
Antunes 2013	0.32	(0.26, 0.39)	0.30	Civelek 2022	0.23	(0.14, 0.34)	0.27
Ardigo 2016	0.15	(0.08, 0.27)	0.25	Cody 2019	0.46	(0.42, 0.50)	0.30
Areias 2023	0.23	(0.20, 0.27)	0.30	Conway 2020	0.43	(0.37, 0.49)	0.30
Argoff 2016	0.26	(0.24, 0.27)	0.31	Corrigger 2022	0.38	(0.32, 0.44)	0.30
Asada 2022	0.16	(0.13, 0.20)	0.30	Costa 2023	0.49	(0.39, 0.58)	0.29
Asada 2022_B	0.20	(0.15, 0.26)	0.29	DaLuz 2018	0.63	(0.53, 0.72)	0.29
Asih 2014	0.39	(0.34, 0.45)	0.30	Damci 2022	0.23	(0.21, 0.25)	0.31
Asseyer 2021	0.59	(0.38, 0.77)	0.24	Davis 2014	0.13	(0.05, 0.28)	0.23
Ataoglu 2013	0.30	(0.22, 0.39)	0.29	Davis 2014_B	0.37	(0.27, 0.49)	0.28
Avluk 2014	0.52	(0.38, 0.66)	0.27	Dear 2023	0.60	(0.57, 0.62)	0.31
Bagnato 2014	0.37	(0.28, 0.47)	0.29	deHeer 2017	0.42	(0.36, 0.48)	0.30
Bailey 2020	0.21	(0.20, 0.22)	0.31	DeLaRosa 2023	0.19	(0.18, 0.20)	0.31
Barbosa 2016	0.35	(0.23, 0.48)	0.27	DelPozo-Cruz 2017	0.62	(0.52, 0.71)	0.29
Barjandi 2021	0.42	(0.34, 0.49)	0.30	deMoraesVieira 2014	0.33	(0.27, 0.39)	0.30
Barjandi 2021_B	0.78	(0.67, 0.86)	0.28	Depintor 2016	0.33	(0.27, 0.40)	0.30
Barth 2014	0.55	(0.49, 0.60)	0.30	DeRoa 2018	0.57	(0.42, 0.71)	0.27
Barton 2021	0.21	(0.16, 0.27)	0.29	Doherty 2017	0.57	(0.47, 0.66)	0.29
Bayrak 2020	0.08	(0.06, 0.12)	0.29	Domenech 2013	0.16	(0.10, 0.25)	0.28
Bayram 2014	0.53	(0.36, 0.70)	0.25	DosSantosProença 2023	0.27	(0.19, 0.36)	0.29
Bayram 2014_B	0.37	(0.22, 0.55)	0.25	Dougados 2017	0.16	(0.12, 0.22)	0.29
Bell 2016	0.29	(0.28, 0.30)	0.31	Drummond 2013	0.43	(0.25, 0.63)	0.24
Bilen 2022	0.06	(0.03, 0.12)	0.24	Drummond 2013_B	0.38	(0.18, 0.63)	0.22
Birch 2022	0.19	(0.06, 0.45)	0.19	D'Souza 2020	0.71	(0.67, 0.74)	0.30
Bohn 2013	0.73	(0.65, 0.81)	0.29	Dubois-Mendes 2021	0.28	(0.19, 0.39)	0.28
Botros 2022	0.80	(0.76, 0.84)	0.30	Dumolard 2023	0.41	(0.35, 0.47)	0.30
Boukhira 2021	0.80	(0.76, 0.84)	0.30				
Bravo 2019	0.51	(0.36, 0.66)	0.27				
BromleyMilton 2013	0.27	(0.26, 0.28)	0.31				
Bruce 2021	0.79	(0.76, 0.82)	0.30				
Brunner 2023	0.47	(0.40, 0.53)	0.30				
Bryant 2016	0.27	(0.21, 0.34)	0.30				
Calandre 2022	0.85	(0.81, 0.89)	0.30				
Calderón 2016	0.38	(0.26, 0.51)	0.28				

Study ID	Event Rate	95% CI	Weight
Ecija 2022	0.26	(0.21, 0.32)	0.30
Edit 2013	0.28	(0.20, 0.37)	0.29
Elrashidi 2018	0.15	(0.13, 0.18)	0.30
Englbrecht 2019	0.21	(0.18, 0.24)	0.31
Eriksen 2021	0.46	(0.29, 0.65)	0.25
Falling 2021	0.14	(0.04, 0.35)	0.19
Farin 2015	0.17	(0.13, 0.22)	0.30
Farzad 2021	0.17	(0.10, 0.27)	0.27
Feingold 2017	0.42	(0.39, 0.45)	0.31
Feingold 2018	0.56	(0.52, 0.60)	0.31
Feingold 2020	0.20	(0.15, 0.26)	0.29
Feliu-Soler 2017	0.84	(0.78, 0.89)	0.29
Fiegl 2019	0.66	(0.62, 0.70)	0.30
Finn 2018	0.62	(0.57, 0.68)	0.30
Flores-Curiel 2023	0.39	(0.30, 0.49)	0.29
Foti 2022	0.24	(0.18, 0.31)	0.29
Foti 2022_B	0.13	(0.08, 0.20)	0.28
Frede 2023	0.25	(0.19, 0.33)	0.29
Freo 2021	0.27	(0.20, 0.34)	0.29
Garaigordobil 2016	0.64	(0.53, 0.73)	0.29
Garbi 2014	0.62	(0.49, 0.73)	0.28
GarciaCarrasco 2013	0.41	(0.29, 0.55)	0.27
Garnæs 2022	0.11	(0.09, 0.14)	0.30
Gavilan-Carrera 2022	0.41	(0.36, 0.46)	0.30
Gebauer 2019	0.56	(0.51, 0.61)	0.30
Gelonch 2017	0.68	(0.58, 0.76)	0.29
Gelonch 2018	0.86	(0.78, 0.91)	0.28
Gerdle 2019	0.35	(0.35, 0.36)	0.31
Gerra 2021	0.79	(0.75, 0.83)	0.30
Gisev 2019	0.44	(0.42, 0.47)	0.31
Giummarra 2020	0.65	(0.65, 0.66)	0.31
Goesling 2015	0.22	(0.20, 0.25)	0.31
Goesling 2015_B	0.59	(0.54, 0.63)	0.31
Goesling 2015b	0.36	(0.34, 0.38)	0.31
Goesling 2018	0.32	(0.25, 0.40)	0.29
Gomes 2023	0.10	(0.08, 0.12)	0.30
Gorpynchenko 2021	0.16	(0.09, 0.26)	0.27
Gota 2017	0.60	(0.54, 0.65)	0.30
Govind 2020	0.30	(0.21, 0.41)	0.28
Greenberg 2022	0.67	(0.62, 0.72)	0.30
Gupta 2014	0.87	(0.59, 0.97)	0.16
Gupta 2016	0.92	(0.83, 0.96)	0.24
Hållstam 2017	0.46	(0.40, 0.51)	0.30
Hamdi 2021	0.23	(0.15, 0.35)	0.27
Hamdi 2021_B	0.63	(0.47, 0.76)	0.26
Han 2019	0.17	(0.14, 0.21)	0.30
Hansdorfer-Korzon 2016	0.28	(0.18, 0.42)	0.27
Hardy 2022	0.18	(0.14, 0.23)	0.30
Harrison 2016	0.56	(0.49, 0.62)	0.30

Study ID	Event Rate	95% CI	Weight
Hasuo 2020	0.47	(0.39, 0.55)	0.30
Häuser 2014	0.73	(0.66, 0.79)	0.29
Häuser 2015b	0.46	(0.38, 0.55)	0.30
Hoban 2015	0.44	(0.41, 0.47)	0.31
Hochman 2013	0.14	(0.06, 0.29)	0.23
Hogestol 2017	0.07	(0.02, 0.19)	0.20
Holloway 2017	0.40	(0.36, 0.45)	0.30
Honda 2022	0.49	(0.35, 0.63)	0.27
Hong 2018	0.55	(0.47, 0.62)	0.30
Hughes 2019	0.46	(0.41, 0.52)	0.30
Iannuccelli 2021	0.50	(0.39, 0.61)	0.28
Iannuccelli 2021_B	0.17	(0.10, 0.27)	0.27
Inanc 2014	0.35	(0.24, 0.48)	0.27
Ingegnoli 2022	0.49	(0.40, 0.57)	0.29
Islam 2023	0.36	(0.28, 0.44)	0.29
Islam 2023_B	0.35	(0.24, 0.48)	0.28
Jaiswal 2016	0.36	(0.25, 0.49)	0.28
Jaiswal 2016_B	0.34	(0.24, 0.47)	0.28
Janela 2022	0.27	(0.22, 0.32)	0.30
Järemo 2022	0.32	(0.25, 0.40)	0.29
Jedel 2020	0.25	(0.15, 0.38)	0.27
Jegan 2017	0.22	(0.18, 0.26)	0.30
Jensen 2016	0.29	(0.26, 0.32)	0.31
Jiao 2021	0.53	(0.45, 0.62)	0.29
Jimenez-Rodríguez 2014	0.91	(0.78, 0.97)	0.21
Jimenez-Rodríguez 2014_B	0.41	(0.26, 0.58)	0.26
Jin 2021	0.13	(0.12, 0.15)	0.31
Jin 2021_B	0.16	(0.14, 0.17)	0.31
Jindal 2021	0.34	(0.26, 0.44)	0.29
John 2022	0.26	(0.23, 0.30)	0.30
John 2022_B	0.70	(0.62, 0.77)	0.29
John 2022_C	0.27	(0.20, 0.36)	0.29
Jouini 2014	0.24	(0.20, 0.28)	0.30
Joyce 2021	0.35	(0.30, 0.41)	0.30
Kadimpati 2015	0.69	(0.65, 0.73)	0.30
Kallusky 2023	0.19	(0.09, 0.37)	0.23
Karafin 2018	0.36	(0.25, 0.48)	0.28
Karas 2020	0.72	(0.60, 0.82)	0.28
Kazemi 2013	0.38	(0.18, 0.62)	0.22
Kazemi 2013_B	0.50	(0.31, 0.69)	0.24
Kec 2022	0.36	(0.31, 0.41)	0.30
Khazen 2021	0.25	(0.16, 0.36)	0.27
KibuneNagasako 2016	0.58	(0.47, 0.67)	0.29
Kim 2021	0.48	(0.36, 0.60)	0.28
Koh 2014	0.11	(0.06, 0.20)	0.26
Kosson 2018	0.18	(0.16, 0.20)	0.31
Lamerato 2023	0.43	(0.37, 0.50)	0.30
Landefeld 2017	0.62	(0.54, 0.69)	0.30
Larance 2019	0.44	(0.41, 0.47)	0.31
Laurent 2014	0.42	(0.32, 0.52)	0.29
Laurent 2022	0.22	(0.13, 0.36)	0.26
Lee 2020	0.43	(0.30, 0.57)	0.27

Study ID	Event Rate	95% CI	Weight
León-Suárez 2023	0.33	(0.26, 0.40)	0.30
Lerman 2015	0.66	(0.61, 0.70)	0.30
Lin 2017	0.34	(0.28, 0.41)	0.30
Lindemann 2023	0.44	(0.35, 0.54)	0.29
Liu 2018	0.21	(0.19, 0.22)	0.31
Longo 2022	0.61	(0.50, 0.70)	0.29
Lopez 2013	0.57	(0.52, 0.62)	0.30
Luciano 2014	0.25	(0.20, 0.31)	0.30
Luque-Reca 2021	0.40	(0.34, 0.46)	0.30
Mahendru 2021	0.54	(0.44, 0.63)	0.29
Mahlich 2019	0.11	(0.09, 0.14)	0.30
Mann 2017	0.20	(0.17, 0.23)	0.30
Mantyselka 2017	0.26	(0.17, 0.37)	0.28
Marcum 2014	0.32	(0.25, 0.39)	0.30
Marino 2021	0.37	(0.22, 0.55)	0.25
Mattila-Rautiainen 2023	0.32	(0.16, 0.53)	0.23
McCracken 2023	0.43	(0.39, 0.47)	0.31
McWilliams 2017	0.77	(0.71, 0.82)	0.30
Merlin 2015	0.30	(0.16, 0.48)	0.25
Midbari 2016	0.61	(0.44, 0.75)	0.26
Miller-Matero 2016	0.26	(0.18, 0.35)	0.29
Moraes 2021	0.63	(0.52, 0.73)	0.28
Morlà 2021_B	0.43	(0.31, 0.55)	0.28
Morlà 2021	0.32	(0.24, 0.42)	0.29
Murata 2019	0.19	(0.16, 0.23)	0.30
MurMartí 2017	0.53	(0.47, 0.59)	0.30
Mustonen 2019	0.45	(0.37, 0.53)	0.29
Neblett 2016	0.79	(0.76, 0.82)	0.31
Nguyen 2021	0.57	(0.53, 0.60)	0.31
Norman-Nott 2022	0.33	(0.04, 0.85)	0.09
Offenbaecher 2013	0.44	(0.36, 0.52)	0.30
Ojeda 2018	0.28	(0.20, 0.37)	0.29
Ojeda 2018_B	0.25	(0.18, 0.35)	0.28
Ojeda 2018_C	0.39	(0.27, 0.53)	0.27
Peilot 2018	0.45	(0.31, 0.60)	0.27
Penacoba 2023	0.19	(0.15, 0.24)	0.30
Phillips 2014	0.21	(0.14, 0.31)	0.28
PicchiantiDiamanti 2020	0.42	(0.33, 0.52)	0.29
Pinto 2022	0.24	(0.16, 0.34)	0.28
Plinsinga 2020	0.03	(0.01, 0.16)	0.14
Plinsinga 2023	0.23	(0.20, 0.26)	0.30
Porru 2023	0.19	(0.10, 0.34)	0.25
Porru 2023_B	0.07	(0.02, 0.25)	0.17
Poulin 2016	0.57	(0.44, 0.69)	0.28
Prateepavanich 2018	0.13	(0.07, 0.23)	0.26
Preti 2019	0.82	(0.69, 0.90)	0.26

Study ID	Event Rate	95% CI	Weight
Preti 2019_B	0.49	(0.39, 0.60)	0.29
Preti 2019_C	0.49	(0.39, 0.59)	0.29
Priol 2023	0.20	(0.12, 0.31)	0.27
Puto 2023	0.64	(0.57, 0.71)	0.30
Quidé 2022	0.12	(0.04, 0.31)	0.20
Quinlan 2021	0.82	(0.70, 0.90)	0.26
Racine 2017	0.50	(0.46, 0.54)	0.31
Rayner 2016	0.55	(0.52, 0.58)	0.31
Reiter 2017	0.54	(0.46, 0.62)	0.30
Reiter 2017_B	0.18	(0.13, 0.25)	0.29
Reiter 2018	0.20	(0.15, 0.27)	0.29
Rexelius 2020	0.26	(0.15, 0.41)	0.26
Rezaei 2014	0.66	(0.56, 0.75)	0.29
Rice 2016	0.56	(0.49, 0.64)	0.30
Rice 2016_B	0.12	(0.08, 0.18)	0.28
Robinson 2013	0.46	(0.36, 0.56)	0.29
Rogal 2015	0.66	(0.52, 0.77)	0.27
Rogers 2021	0.06	(0.04, 0.11)	0.28
Rojas 2021	0.19	(0.08, 0.38)	0.22
Rometsch 2022	0.50	(0.35, 0.65)	0.27
Rometsch 2023	0.59	(0.49, 0.68)	0.29
Rouch 2021	0.16	(0.12, 0.21)	0.29
Rovner 2017	0.31	(0.29, 0.34)	0.31
Roy 2022	0.35	(0.30, 0.40)	0.30
RusMakovec 2015	0.33	(0.24, 0.44)	0.28
Rusu 2016	0.26	(0.17, 0.36)	0.28
Saariaho 2015	0.31	(0.26, 0.37)	0.30
Sachau 2023	0.25	(0.16, 0.37)	0.27
Sagheer 2013	0.12	(0.08, 0.19)	0.28
Saglam 2022	0.41	(0.28, 0.56)	0.27
Scherrer 2015	0.58	(0.53, 0.63)	0.30
Schmukler 2023	0.26	(0.22, 0.31)	0.30
Schmukler 2023_B	0.37	(0.28, 0.46)	0.29
Schmukler 2023_C	0.32	(0.22, 0.44)	0.28
Schwab 2022	0.47	(0.41, 0.53)	0.30
Schwarm 2021	0.54	(0.38, 0.69)	0.27
Seekatz 2016	0.38	(0.33, 0.43)	0.30
Sener 2013	0.36	(0.23, 0.52)	0.26
Sengupta 2023	0.74	(0.66, 0.80)	0.29
Shamji 2016	0.63	(0.55, 0.70)	0.30
Sharma 2022	0.82	(0.75, 0.88)	0.28
Shmagel 2016	0.22	(0.19, 0.25)	0.30
Si 2019	0.17	(0.14, 0.20)	0.30
Silva 2021	0.54	(0.44, 0.63)	0.29
Siqueira-Campos 2019	0.63	(0.53, 0.72)	0.29
Siqueira-Campos 2022	0.73	(0.65, 0.80)	0.29
Sitges 2018	0.51	(0.35, 0.67)	0.26
Slawek 2021	0.46	(0.39, 0.53)	0.30
Song 2015	0.22	(0.16, 0.29)	0.29
Soriano-Maldonado 2015	0.70	(0.66, 0.74)	0.30
Souza 2021	0.97	(0.80, 1.00)	0.12

Study ID	Event Rate	95% CI	Weight
Sparkes 2015	0.27	(0.17, 0.40)	0.27
Stefani 2019	0.81	(0.71, 0.88)	0.28
Stefani 2019_B	0.61	(0.45, 0.75)	0.26
Stefani 2019_C	0.32	(0.25, 0.41)	0.29
Stehlik 2018	0.19	(0.08, 0.36)	0.23
Stein 2015	0.28	(0.21, 0.35)	0.29
Steiner 2017	0.97	(0.93, 0.98)	0.25
Stokholm 2022	0.30	(0.19, 0.44)	0.27
SundaraRajan 2017	0.19	(0.11, 0.32)	0.26
Sundstrom 2023	0.71	(0.66, 0.75)	0.30
Tanaka 2022	0.35	(0.26, 0.45)	0.29
Tardif 2023	0.42	(0.41, 0.43)	0.31
Tatebe 2016	0.50	(0.35, 0.65)	0.26
Taylor 2021	0.51	(0.47, 0.54)	0.31
Teixido-Abiol 2022	0.48	(0.36, 0.60)	0.28
Teixido-Abiol 2022_B	0.43	(0.32, 0.55)	0.28
Terassi 2020	0.05	(0.03, 0.10)	0.26
Tetsunaga 2013	0.77	(0.69, 0.84)	0.29
Teychenne 2019	0.43	(0.28, 0.58)	0.27
Thakral 2018	0.34	(0.31, 0.36)	0.31
ThiNguy 2022	0.32	(0.16, 0.53)	0.23
Thomas 2022	0.32	(0.23, 0.42)	0.29
Thompson 2023	0.47	(0.43, 0.52)	0.30
Tocchetto 2023	0.58	(0.47, 0.68)	0.29
Tsuji 2016	0.16	(0.13, 0.20)	0.30
Uebelacker 2015	0.68	(0.59, 0.75)	0.29
Uniyal 2017_B	0.55	(0.41, 0.67)	0.28
Upadhyaya 2023	0.32	(0.25, 0.40)	0.29
Upadhyaya 2023_B	0.95	(0.86, 0.98)	0.20
Vance 2018	0.31	(0.24, 0.39)	0.29

Study ID	Event Rate	95% CI	Weight
vandenBerk-Clark 2017	0.24	(0.14, 0.40)	0.26
vanEeden 2023	0.47	(0.30, 0.64)	0.25
VanOvermeire 2022	0.45	(0.35, 0.54)	0.29
VanRyckeghem 2013	0.23	(0.15, 0.34)	0.28
Varinen 2019	0.09	(0.07, 0.12)	0.30
Vilalta-Abella 2015	0.40	(0.21, 0.62)	0.23
Villafaina 2019	0.57	(0.39, 0.74)	0.25
Voute 2023	0.38	(0.33, 0.43)	0.30
Vukojevi? 2022	0.28	(0.18, 0.40)	0.28
Wadley 2019	0.48	(0.35, 0.62)	0.27
Wadley 2020	0.11	(0.05, 0.21)	0.25
Wahlman 2014	0.34	(0.28, 0.40)	0.30
Weingarten 2016	0.40	(0.27, 0.54)	0.27
Whitlock 2017	0.50	(0.47, 0.53)	0.31
Widenka 2021	0.10	(0.05, 0.21)	0.24
Wildes 2020	0.33	(0.26, 0.41)	0.29
Wilson 2015	0.37	(0.28, 0.47)	0.29
Wilson 2022	0.27	(0.19, 0.37)	0.28
Wolfe 2013	0.64	(0.50, 0.75)	0.27
Wong 2017	0.50	(0.42, 0.58)	0.29
Wright 2017	0.62	(0.40, 0.80)	0.23
Yadav 2023	0.36	(0.30, 0.42)	0.30
Yamada 2022	0.31	(0.23, 0.41)	0.29
Yin 2023	0.51	(0.40, 0.62)	0.29
Yu 2021	0.80	(0.76, 0.83)	0.30
Zaidel 2021	0.08	(0.08, 0.09)	0.31
Zakrzewska 2017	0.31	(0.25, 0.37)	0.30
Zambelli 2021	0.36	(0.33, 0.39)	0.31
Zubatsky 2020	0.58	(0.52, 0.63)	0.30
Overall	0.39	(0.37, 0.41)	

eTable 4. Pooled Prevalence of Clinical Symptoms of Anxiety

Study ID	Event Rate	95% CI	Weight	Study ID	Event Rate	95% CI	Weight
Penacoba 2023	0.32	(0.27, 0.38)	0.59	Dubois-Mendes 2021	0.43	(0.32, 0.54)	0.54
Campos 2021	0.90	(0.83, 0.94)	0.50	Järemo 2022	0.33	(0.26, 0.41)	0.57
DeRoa 2018	0.82	(0.68, 0.91)	0.44	Dumolard 2023	0.60	(0.54, 0.66)	0.60
Sener 2013	0.64	(0.48, 0.77)	0.48	Aloush 2021	0.77	(0.71, 0.82)	0.58
Vance 2018	0.39	(0.31, 0.47)	0.58	D'Souza 2020	0.45	(0.41, 0.49)	0.61
Barjandi 2021	0.38	(0.31, 0.46)	0.58	Upadhyaya 2023_B	0.85	(0.74, 0.92)	0.46
Karas 2020	0.66	(0.53, 0.76)	0.52	Aşçıbaşı 2022	0.34	(0.23, 0.46)	0.52
Luque-Reca 2021	0.67	(0.61, 0.73)	0.59	Mahendru 2021	0.50	(0.40, 0.60)	0.56
Barbosa 2016	0.63	(0.50, 0.75)	0.51	Chana 2021	0.22	(0.11, 0.38)	0.43
Cappe 2021	0.73	(0.62, 0.82)	0.52	Greenberg 2022	0.56	(0.50, 0.61)	0.60
Siqueira-Campos 2019	0.66	(0.56, 0.75)	0.55	Åkerblom 2020	0.49	(0.41, 0.57)	0.58
Thomas 2022	0.35	(0.26, 0.45)	0.55	Cho 2017	0.88	(0.80, 0.93)	0.49
Mustonen 2019	0.25	(0.18, 0.33)	0.56	Iannuccelli 2021_B	0.15	(0.08, 0.24)	0.49
Schwab 2022	0.48	(0.42, 0.54)	0.60	Pasin 2023	0.50	(0.39, 0.61)	0.55
Bayram 2014	0.63	(0.45, 0.78)	0.45	KibuneNagasako 2016	0.78	(0.68, 0.85)	0.53
Bayram 2014_B	0.37	(0.22, 0.55)	0.45	Domenech 2013	0.30	(0.22, 0.40)	0.55
Bryant 2016	0.53	(0.46, 0.60)	0.59	DosSantosProença 2023	0.36	(0.27, 0.45)	0.56
DaLuz 2018	0.66	(0.56, 0.75)	0.55	Hogestol 2017	0.06	(0.02, 0.18)	0.31
Hansdorfer-Korzon 2016	0.66	(0.52, 0.77)	0.51	Gentili 2019	0.25	(0.20, 0.31)	0.59
Weingarten 2016	0.44	(0.31, 0.58)	0.51	Chahal-Kummen 2023	0.24	(0.17, 0.33)	0.55
Gelonch 2018	0.68	(0.59, 0.76)	0.56	Hasuo 2020	0.45	(0.37, 0.53)	0.58
vanEeden 2023	0.53	(0.36, 0.70)	0.45	Finn 2018	0.70	(0.65, 0.75)	0.59
Miller-Matero 2016	0.39	(0.30, 0.48)	0.56	Reiter 2017	0.51	(0.43, 0.59)	0.58
Barjandi 2021_B	0.27	(0.18, 0.37)	0.53	Andersen 2016	0.60	(0.51, 0.68)	0.57
Ecija 2022	0.37	(0.31, 0.43)	0.59	Rometsch 2023	0.37	(0.28, 0.47)	0.55
Stehlik 2018	0.33	(0.19, 0.51)	0.44	Botros 2022	0.65	(0.60, 0.69)	0.60
Jedel 2020	0.46	(0.34, 0.59)	0.52	Peilot 2018	0.44	(0.30, 0.59)	0.49
Marino 2021	0.63	(0.45, 0.78)	0.45	Hamdi 2021	0.16	(0.09, 0.27)	0.48
Allaire 2018	0.24	(0.19, 0.29)	0.59	Islam 2023	0.41	(0.33, 0.50)	0.57
Siqueira-Campos 2022	0.80	(0.72, 0.86)	0.55	Dear 2023	0.41	(0.38, 0.43)	0.62
MurMartí 2017	0.64	(0.57, 0.70)	0.59	Clark 2019	0.26	(0.20, 0.33)	0.57
Bravo 2019	0.82	(0.67, 0.91)	0.42	Rice 2016_B	0.15	(0.10, 0.21)	0.55
Ojeda 2018_C	0.63	(0.49, 0.75)	0.51	Clark 2018	0.52	(0.32, 0.72)	0.41
Iannuccelli 2021	0.37	(0.26, 0.48)	0.53	Corriger 2022	0.46	(0.40, 0.52)	0.60
Häuser 2015b	0.45	(0.37, 0.53)	0.58	Voute 2023	0.50	(0.45, 0.56)	0.60
ThiNguy 2022	0.46	(0.27, 0.66)	0.41	Reiter 2018	0.13	(0.09, 0.19)	0.54
Luciano 2014	0.54	(0.48, 0.60)	0.60	Birch 2022	0.38	(0.18, 0.62)	0.36
deHeer 2017	0.50	(0.44, 0.56)	0.60	Kallusky 2023	0.52	(0.35, 0.68)	0.46
Offenbaecher 2013	0.58	(0.50, 0.66)	0.58	Upadhyaya 2023	0.17	(0.12, 0.24)	0.55
Plinsinga 2020	0.25	(0.14, 0.41)	0.46	Chahal-Kummen 2019	0.33	(0.22, 0.46)	0.51
Taylor 2021	0.58	(0.55, 0.61)	0.62	Ardigo 2016	0.32	(0.21, 0.46)	0.50
McCracken 2023	0.26	(0.23, 0.30)	0.61	Reiter 2017_B	0.10	(0.06, 0.16)	0.52
Argoff 2016	0.37	(0.35, 0.39)	0.62	Costa 2023	0.51	(0.42, 0.61)	0.56
Drummond 2013	0.35	(0.19, 0.56)	0.41	Priol 2023	0.31	(0.21, 0.43)	0.52
Rapariz-González 2014	0.75	(0.71, 0.79)	0.60	Gerdle 2019	0.40	(0.39, 0.40)	0.62
				PicchiantiDiamanti 2020	0.38	(0.29, 0.48)	0.56

Study ID	Event Rate	95% CI	Weight
RusMakovec 2015	0.20	(0.12, 0.30)	0.51
Cheng 2022	0.25	(0.23, 0.28)	0.62
Hamdi 2021_B	0.20	(0.10, 0.35)	0.44
Teixido-Abiol 2022	0.41	(0.30, 0.53)	0.53
Teixido-Abiol 2022_B	0.31	(0.21, 0.43)	0.52
Damci 2022	0.27	(0.24, 0.29)	0.62
BromleyMilton 2013	0.31	(0.29, 0.32)	0.62
Depintor 2016	0.38	(0.31, 0.45)	0.58
Wildes 2020	0.19	(0.14, 0.26)	0.56
Farzad 2021	0.32	(0.23, 0.43)	0.54
Garnæs 2022	0.28	(0.24, 0.32)	0.61
Rovner 2017	0.35	(0.33, 0.38)	0.62
Plinsinga 2023	0.21	(0.18, 0.24)	0.61
Jouini 2014	0.40	(0.36, 0.44)	0.61
Chen 2022	0.17	(0.13, 0.22)	0.58
Karafin 2018	0.29	(0.19, 0.41)	0.52
Larance 2019	0.21	(0.19, 0.24)	0.61
Elrashidi 2018	0.14	(0.12, 0.17)	0.61
Poulin 2016	0.43	(0.31, 0.56)	0.52
Hardy 2022	0.04	(0.02, 0.07)	0.49
Rice 2016	0.58	(0.50, 0.65)	0.58
Jensen 2016	0.39	(0.36, 0.42)	0.61
Joyce 2021	0.30	(0.26, 0.36)	0.60
Hållstam 2017	0.51	(0.45, 0.56)	0.60
Kosson 2018	0.32	(0.30, 0.35)	0.62
Inanc 2014	0.24	(0.15, 0.37)	0.49
Zakrzewska 2017	0.45	(0.39, 0.52)	0.59
Lee 2020	0.31	(0.20, 0.45)	0.50
Alamam 2019	0.39	(0.31, 0.48)	0.57
Drummond 2013_B	0.19	(0.06, 0.45)	0.29
Farin 2015	0.26	(0.21, 0.32)	0.59
vandenBerk-Clark 2017	0.59	(0.43, 0.72)	0.49
Wolfe 2013	0.50	(0.37, 0.63)	0.51
Calderón 2016	0.38	(0.26, 0.51)	0.51
Laurent 2022	0.47	(0.34, 0.61)	0.51
Pinto 2022	0.24	(0.16, 0.34)	0.52
Ojeda 2018_B	0.39	(0.30, 0.49)	0.56
Shebeshi 2023	0.59	(0.59, 0.60)	0.62
Laurent 2014	0.38	(0.28, 0.49)	0.55
Giummarra 2020	0.59	(0.59, 0.60)	0.62
Gisev 2019	0.21	(0.19, 0.24)	0.61
Shamji 2016	0.23	(0.17, 0.30)	0.56
AlvesRodrigues 2022	0.57	(0.42, 0.70)	0.50
Hoban 2015	0.22	(0.19, 0.25)	0.61
Yamada 2022	0.57	(0.48, 0.66)	0.56

Study ID	Event Rate	95% CI	Weight
Lindemann 2023	0.16	(0.10, 0.24)	0.52
Phillips 2014	0.31	(0.22, 0.40)	0.55
Tardif 2023	0.43	(0.43, 0.44)	0.62
Campbell 2015b	0.23	(0.21, 0.25)	0.62
Stokholm 2022	0.38	(0.26, 0.52)	0.51
Sparkes 2015	0.36	(0.24, 0.49)	0.51
Slawek 2021	0.35	(0.28, 0.42)	0.58
Falling 2021	0.45	(0.26, 0.66)	0.41
Chang 2018	0.35	(0.28, 0.44)	0.57
Calpin 2017	0.29	(0.21, 0.39)	0.55
Alberts 2020	0.42	(0.30, 0.54)	0.53
Rometsch 2022	0.41	(0.27, 0.56)	0.49
Ojeda 2018	0.38	(0.29, 0.47)	0.56
Janela 2022	0.29	(0.24, 0.35)	0.60
Areias 2023	0.26	(0.22, 0.30)	0.61
Rogal 2015	0.77	(0.64, 0.86)	0.48
Yadav 2023	0.35	(0.29, 0.41)	0.59
Moraes 2021	0.62	(0.51, 0.72)	0.54
Bailey 2020	0.28	(0.27, 0.29)	0.62
Bayrak 2020	0.40	(0.34, 0.45)	0.60
Feingold 2018	0.47	(0.43, 0.51)	0.61
SundaraRajan 2017	0.28	(0.18, 0.41)	0.50
Bilen 2022	0.11	(0.06, 0.18)	0.50
Sagheer 2013	0.16	(0.11, 0.23)	0.54
Schwarm 2021	0.44	(0.29, 0.59)	0.48
Bapir 2023	0.57	(0.54, 0.59)	0.62
Vukojevi? 2022	0.25	(0.16, 0.37)	0.51
Kec 2022	0.38	(0.33, 0.43)	0.60
Islam 2023_B	0.37	(0.25, 0.50)	0.52
Feingold 2017	0.37	(0.34, 0.40)	0.61
Sachau 2023	0.33	(0.23, 0.46)	0.52
Uniyal 2017_B	0.40	(0.28, 0.53)	0.52
Tanaka 2022	0.25	(0.17, 0.35)	0.54
Carleton 2022	0.58	(0.56, 0.60)	0.62
Freo 2021	0.10	(0.06, 0.16)	0.52
Boukhira 2021	0.83	(0.79, 0.87)	0.59
Akui 2022	0.75	(0.52, 0.89)	0.36
Feingold 2020	0.22	(0.17, 0.29)	0.58
Kim 2021	0.21	(0.13, 0.33)	0.50
Conway 2020	0.33	(0.27, 0.39)	0.59
Ajo 2017	0.39	(0.31, 0.48)	0.57
Gorpyuchenko 2021	0.20	(0.13, 0.31)	0.51
Kazemi 2013_B	0.58	(0.38, 0.76)	0.42
Chaabouni 2022	0.02	(0.00, 0.13)	0.16
Kazemi 2013	0.25	(0.10, 0.51)	0.32
Sharma 2022	0.57	(0.48, 0.65)	0.57
Silva 2021	0.76	(0.67, 0.83)	0.55
León-Suárez 2023	0.55	(0.48, 0.62)	0.58
DeLaRosa 2023	0.15	(0.14, 0.16)	0.62
Overall	0.40	(0.38, 0.42)	

eTable 5. Pooled Prevalence of Depressive Disorders

Study ID	Event Rate	95% CI	Weight
Major Depressive Disorder			
Aagaard 2023	0.50	(0.34, 0.66)	2.32
Alciati 2018	0.05	(0.02, 0.12)	2.11
Annagür 2014	0.49	(0.40, 0.58)	2.47
Asih 2016	0.63	(0.59, 0.67)	2.53
Blakey 2018	0.25	(0.22, 0.29)	2.53
Bucourt 2021	0.48	(0.34, 0.62)	2.38
Bucourt 2021_B	0.21	(0.12, 0.35)	2.31
Campbell 2015	0.11	(0.10, 0.12)	2.54
Caumo 2022	0.69	(0.54, 0.80)	2.36
Ciaramella 2015	0.33	(0.28, 0.37)	2.52
Ciaramella 2015_B	0.28	(0.24, 0.32)	2.52
Durán 2021	0.28	(0.25, 0.31)	2.53
Emery 2014	0.55	(0.42, 0.67)	2.41
Fiegl 2019	0.61	(0.56, 0.65)	2.53
Filippon 2013	0.57	(0.48, 0.66)	2.47
Fischer-Jbali 2022	0.31	(0.16, 0.51)	2.22
Gündüz 2018	0.46	(0.33, 0.60)	2.40
Gündüz 2019	0.14	(0.07, 0.25)	2.31
Gündüz 2019b	0.43	(0.31, 0.55)	2.43
Hudak 2022	0.72	(0.64, 0.78)	2.48
Jain 2013	0.41	(0.32, 0.51)	2.46
Kha 2020	0.26	(0.19, 0.36)	2.44
Knaster 2016	0.20	(0.13, 0.29)	2.42
Kroenke 2020	0.44	(0.37, 0.52)	2.49
Kroenke 2020_B	0.15	(0.11, 0.20)	2.48
Lee 2014	0.49	(0.34, 0.64)	2.35
Mayer 2013	0.50	(0.44, 0.55)	2.52
Mayer 2013_B	0.55	(0.52, 0.57)	2.54
Mehraban 2014	0.62	(0.51, 0.71)	2.45
Muharam 2022	0.28	(0.22, 0.36)	2.48
Nacak 2021	0.56	(0.43, 0.67)	2.42
Neikrug 2017	0.35	(0.29, 0.40)	2.51
Osório 2016	0.28	(0.17, 0.42)	2.36
Parisi 2022	0.72	(0.66, 0.77)	2.50
Proctor 2013	0.44	(0.38, 0.51)	2.51
Radat 2013	0.17	(0.12, 0.23)	2.46
Rouch 2023	0.09	(0.08, 0.10)	2.53
Rusu 2016	0.35	(0.26, 0.47)	2.43
Sohn 2016	0.59	(0.42, 0.75)	2.31
Tocchetto 2023	0.54	(0.43, 0.65)	2.45
Xu 2020	0.06	(0.05, 0.07)	2.53
Overall	0.37	(0.29, 0.45)	
Persistent Depressive Disorder			
Annagür 2014	0.05	(0.02, 0.11)	10.43
Caumo 2022	0.69	(0.54, 0.80)	11.33
Ciaramella 2015	0.09	(0.07, 0.12)	11.94
Ciaramella 2015_B	0.05	(0.04, 0.08)	11.82
Gündüz 2019b	0.09	(0.04, 0.18)	10.63
Muharam 2022	0.00	(0.00, 0.05)	4.64
Neikrug 2017	0.08	(0.05, 0.11)	11.75
Osório 2016	0.02	(0.00, 0.13)	6.67
Radat 2013	0.01	(0.00, 0.04)	8.66
Xu 2020	0.04	(0.03, 0.04)	12.13
Overall	0.06	(0.03, 0.13)	

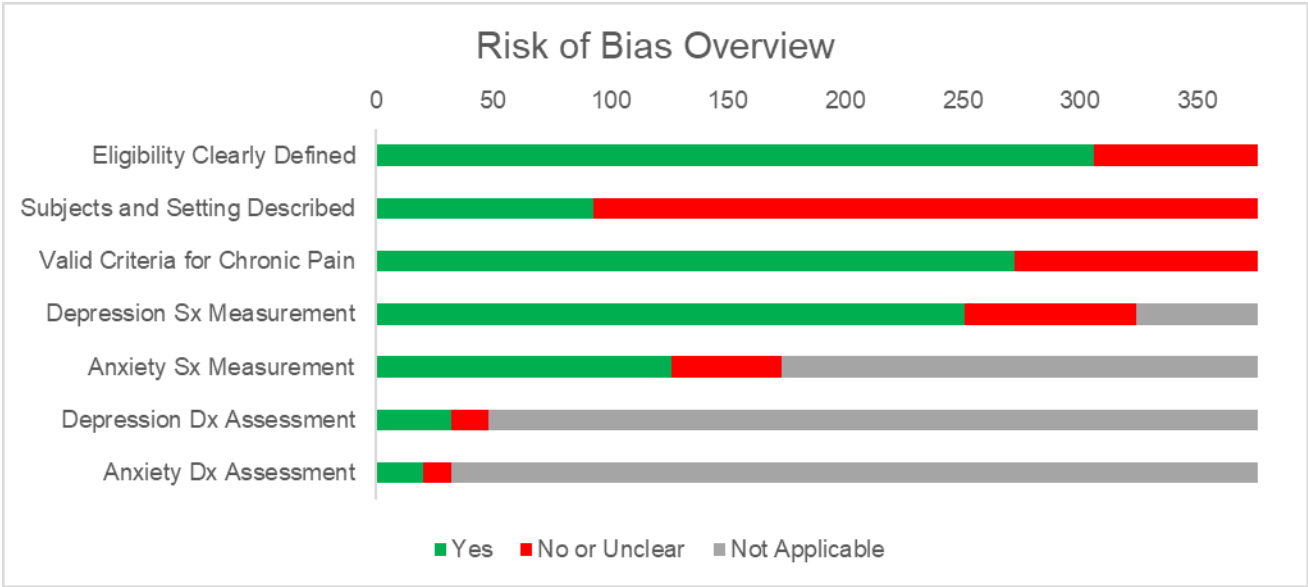
eTable 6. Pooled Prevalence of Anxiety Disorders

Study ID	Event Rate	95% CI	Weight
Generalized Anxiety Disorder			
Annagür 2014	0.21	(0.15, 0.30)	4.31
Asih 2016	0.15	(0.12, 0.18)	4.49
Bucourt 2021	0.40	(0.27, 0.54)	4.17
Bucourt 2021_B	0.04	(0.01, 0.16)	2.94
Bucourt 2021_C	0.06	(0.02, 0.18)	3.31
Campbell 2015	0.09	(0.08, 0.10)	4.54
Caumo 2022	0.35	(0.23, 0.50)	4.16
Ciaramella 2015	0.17	(0.13, 0.20)	4.48
Ciaramella 2015_B	0.14	(0.11, 0.17)	4.47
Csupak 2018	0.04	(0.04, 0.05)	4.54
Csupak 2018_B	0.06	(0.05, 0.07)	4.54
Emery 2014	0.38	(0.27, 0.51)	4.24
Gündüz 2018	0.62	(0.48, 0.74)	4.20
Gündüz 2018_B	0.29	(0.16, 0.45)	3.97
Gündüz 2019	0.09	(0.04, 0.19)	3.81
Gündüz 2019b	0.07	(0.03, 0.17)	3.71
Häuser 2015	0.90	(0.84, 0.94)	4.24
Muharam 2022	0.21	(0.15, 0.28)	4.38
Neikrug 2017	0.17	(0.13, 0.22)	4.45
Parisi 2022	0.17	(0.12, 0.22)	4.42
Radat 2013	0.12	(0.08, 0.18)	4.32
Sohn 2016	0.16	(0.07, 0.32)	3.64
Tocchetto 2023	0.28	(0.19, 0.38)	4.29
Xu 2020	0.01	(0.01, 0.01)	4.37
Overall	0.17	(0.12, 0.23)	
Panic Disorder			
Annagür 2014	0.08	(0.04, 0.15)	7.26
Asih 2016	0.09	(0.07, 0.12)	7.98
Ciaramella 2015	0.16	(0.13, 0.20)	8.02
Ciaramella 2015_B	0.16	(0.13, 0.20)	8.03
Emery 2014	0.22	(0.13, 0.34)	7.41
Gündüz 2019	0.06	(0.02, 0.15)	6.41
Gündüz 2019b	0.06	(0.02, 0.15)	6.41
Lee 2014	0.03	(0.00, 0.16)	4.00
Muharam 2022	0.04	(0.02, 0.09)	7.08
Neikrug 2017	0.02	(0.01, 0.05)	6.97
Osório 2016	0.16	(0.08, 0.29)	7.08
Proctor 2013	0.09	(0.06, 0.14)	7.73
Radat 2013	0.14	(0.10, 0.20)	7.80
Xu 2020	0.01	(0.01, 0.01)	7.83
Overall	0.07	(0.04, 0.12)	
Social Anxiety Disorder			
Osório 2016	0.20	(0.11, 0.33)	14.77
Ciaramella 2015	0.04	(0.02, 0.06)	15.29
Gündüz 2019b	0.03	(0.01, 0.11)	12.06
Ciaramella 2015_B	0.02	(0.01, 0.04)	15.04
Radat 2013	0.02	(0.01, 0.05)	13.11
Xu 2020	0.01	(0.00, 0.01)	15.45
Muharam 2022	0.00	(0.00, 0.05)	7.15
Annagür 2014	0.00	(0.00, 0.07)	7.14
Overall	0.02	(0.01, 0.06)	

eTable 7. Sensitivity Analysis by Measure Type

Moderator	K	Prevalence	95% CI	Q	p	I2
Clinical Symptoms						
Depression Symptoms						
Zung SDS	8	44.72%	(31.51%, 58.73%)	75.96	< .001	90.78%
BDI	58	44.48%	(38.46%, 50.66%)	1435.69	< .001	96.03%
PHQ	105	41.62%	(37.63%, 45.72%)	8154.81	< .001	98.72%
CES-D	25	41.38%	(31.49%, 52.01%)	2184.25	< .001	98.90%
DASS	11	39.28%	(29.63%, 49.85%)	3513.19	< .001	99.72%
GDS	15	36.80%	(25.31%, 50.02%)	590.86	< .001	97.63%
HAM-D	7	35.93%	(26.69%, 46.34%)	25.97	< .001	76.90%
HADS-D	108	35.22%	(32.98%, 37.52%)	2173.18	< .001	95.08%
HDRS	4	35.21%	(12.76%, 66.88%)	99.87	< .001	97.00%
PROMIS	5	34.48%	(17.27%, 57.02%)	251.37	< .001	98.41%
Total Between Group Variance				14.90	< .001	
Anxiety Symptoms						
HADS-A	95	44.53%	(41.99%, 47.09%)	1763.11	< .001	94.67%
DASS	12	43.13%	(37.93%, 48.50%)	2225.10	< .001	99.51%
BAI	12	39.13%	(28.95%, 50.37%)	107.39	< .001	89.76%
PROMIS	4	38.23%	(24.31%, 54.39%)	101.63	< .001	97.05%
HAM-A	5	37.56%	(28.17%, 47.98%)	13.63	< .001	70.66%
GAD	48	33.58%	(29.18%, 38.28%)	2970.58	< .001	98.42%
STAI-T	4	30.79%	(8.54%, 67.94%)	69.48	< .001	95.68%
Total Between Group Variance				17.44	0.01	
Clinical Diagnoses						
Major Depressive Disorder						
MINI	11	44.34%	(31.99%, 57.43%)	265.32	0	96.23%
SCID	20	37.70%	(30.57%, 45.40%)	417.94	0	95.45%
Total Between Group Variance				0.77	0.381	
Persistent Depressive Disorder						
MINI	5	6.81%	(1.59%, 24.90%)	119.28	<.001	96.65%
SCID	4	6.87%	(4.91%, 9.53%)	3.05	0.385	1.49%
Total Between Group Variance				0.00	0.991	
Generalized Anxiety Disorder						
CIDI	4	3.93%	(2.29%, 6.66%)	180.54	<.001	98.34%
MINI	10	18.54%	(14.10%, 23.99%)	48.00	<.001	81.25%
SCID	8	19.68%	(12.64%, 29.34%)	63.04	<.001	88.90%
Total Between Group Variance				30.03	<.001	
Panic Disorder						
MINI	4	13.01%	(9.33%, 17.85%)	12.79	<.001	76.54%
SCID	7	6.70%	(4.13%, 10.71%)	18.72	<.001	67.95%
Total Between Group Variance				5.14	<.001	

eFigure 3. Risk of Bias Overview



Note. Sx = symptoms; Dx = Diagnosis.

eTable 8. Individual Study Risk of Bias Score

Study ID	ROB	Study ID	ROB	Study ID	ROB	Study ID	ROB
Aagaard 2023	80%	Andersen 2016	0%	Barton 2021	75%	Campbell 2015b	60%
Abrams 2013	75%	Annagür 2014	80%	Bayrak 2020	50%	Campos 2021	80%
Ahmad 2023	0%	Antaky 2017	75%	Bayram 2014	80%	Cappe 2021	40%
Ajo 2017	40%	Antunes 2013	75%	Bell 2016	100%	Carleton 2022	40%
Åkerblom 2020	50%	Ardigo 2016	80%	Bilen 2022	80%	Carrillo-de-la-Peña 2015	50%
Akui 2022	40%	Areias 2023	75%	Birch 2022	80%	Carrillo-Izquierdo 2018	50%
Alamam 2019	100%	Argoff 2016	40%	Blakey 2018	50%	Carta 2018	80%
Alberts 2020	100%	Asada 2022	25%	Bohn 2013	100%	CasteloAzevedo 2021	75%
Alciati 2018	100%	Aşçıbaşı 2022	40%	Botros 2022	40%	Caumo 2022	40%
Alciati 2020	60%	Asih 2014	75%	Boukhira 2021	100%	Chaabouni 2022	75%
Alhalal 2021	75%	Asih 2016	80%	Bravo 2019	80%	Chahal-Kummen 2019	40%
Allaire 2018	60%	Asseyer 2021	25%	BromleyMilton 2013	0%	Chahal-Kummen 2023	20%
Al-Maharbi 2018	75%	Ataoglu 2013	50%	Bruce 2021	50%	Challa 2017	75%
Aloush 2021	60%	Avluk 2014	75%	Brunner 2023	50%	Chana 2021	60%
AlShukaili 2022	75%	Bagnato 2014	75%	Bryant 2016	80%	Chang 2018	75%
AlvesRodrigues 2022	40%	Bailey 2020	75%	Bucourt 2021	80%	Cheatle 2023	100%
Amatsu 2022	75%	Bapir 2023	33%	Calandre 2022	75%		
Amital 2014	25%	Barbosa 2016	80%	Calderón 2016	40%		
Ammitzbøll 2021	50%	Barjandi 2021	75%	Calpin 2017	80%		
		Barth 2014	25%	Campbell 2015	80%		

Study ID	ROB	Study ID	ROB	Study ID	ROB	Study ID	ROB
Chen 2022	75%	DelPozo-Cruz 2017	75%	Falling 2021	100%	Gavilan-Carrera 2022	50%
Cheng 2018	100%	deMoraesVieira 2014	75%	Farin 2015	60%	Gebauer 2019	50%
Cheng 2022	100%	Depintor 2016	40%	Farzad 2021	80%	Gelonch 2017	75%
<i>Cho 2017</i>	80%	DeRoa 2018	20%	Feingold 2017	40%	Gelonch 2018	75%
Choi 2018	50%	Doherty 2017	25%	Feingold 2018	60%	Gentili 2019	100%
Chytas 2023	50%	Domenech 2013	80%	Feingold 2020	60%	Gerdle 2019	50%
Ciaramella 2015	40%	DosSantosProença 2023	80%	Feliu-Soler 2017	75%	Gerra 2021	25%
Civelek 2022	75%	Dougados 2017	50%	Fiegl 2019	40%	Gisev 2019	80%
Clark 2018	75%	Drummond 2013	20%	Filippon 2013	100%	Giummarra 2020	100%
Clark 2019	50%	D'Souza 2020	75%	Finn 2018	80%	Goesling 2015	75%
Cody 2019	75%	Dubois-Mendes 2021	80%	Fischer-Jbali 2022	80%	Goesling 2015b	50%
Conway 2020	100%	Dumolard 2023	40%	Flores-Curiel 2023	75%	Goesling 2018	75%
Corriger 2022	40%	Durán 2021	75%	Foti 2022	0%	Gomes 2023	50%
Costa 2023	40%	Ecija 2022	40%	Frede 2023	50%	Corpynchenko 2021	40%
Csupak 2018	75%	Edit 2013	75%	Freo 2021	40%	Gota 2017	100%
DaLuz 2018	100%	Elrashidi 2018	75%	Garaigordobil 2016	0%	Govind 2020	80%
Damci 2022	80%	Emery 2014	40%	Garbi 2014	75%	Greenberg 2022	75%
Davis 2014	75%	Englbrecht 2019	50%	GarciaCarrasco 2013	50%	Gündüz 2018	40%
Dear 2023	80%	Eriksen 2021	75%	Garnæs 2022	80%	Gündüz 2019	40%
deHeer 2017	80%					Gündüz 2019b	40%
DeLaRosa 2023	75%						

Study ID	ROB	Study ID	ROB	Study ID	ROB	Study ID	ROB
Gupta 2014	50%	Iannuccelli 2021	60%	Karafin 2018	50%	Lerman 2015	40%
Gupta 2016	75%	Inanc 2014	0%	Karas 2020	75%	Lin 2017	25%
Hållstam 2017	100%	Ingegnoli 2022	0%	Kazemi 2013	60%	Lindemann 2023	80%
Hamdi 2021	50%	Islam 2023	80%	Kec 2022	100%	Liu 2018	75%
Han 2019	0%	Jain 2013	25%	Kha 2020	50%	Longo 2022	50%
Hansdorfer-Korzon 2016	80%	Jaiswal 2016	50%	Khazen 2021	50%	Lopez 2013	25%
Hardy 2022	20%	Janela 2022	75%	KibuneNagasako 2016	40%	Luciano 2014	75%
Harrison 2016	25%	Järemo 2022	100%	Kim 2021	60%	Luque-Reca 2021	75%
Hasuo 2020	80%	Jedel 2020	75%	Knaster 2016	50%	Mahendru 2021	80%
Häuser 2014	25%	Jegan 2017	75%	Koh 2014	75%	Mahlich 2019	75%
Häuser 2015	60%	Jensen 2016	20%	Kosson 2018	60%	Mameli 2014	40%
Häuser 2015b	100%	Jiao 2021	75%	Kroenke 2020	25%	Mann 2017	100%
Hoban 2015	80%	Jimenez-Rodríguez 2014	75%	Lamerato 2023	100%	Mantyselka 2017	25%
Hochman 2013	75%	Jin 2021	50%	Landefeld 2017	100%	Marcum 2014	100%
Hogestol 2017	80%	Jindal 2021	75%	Larance 2019	60%	Marino 2021	20%
Holloway 2017	50%	John 2022	0%	Laurent 2014	40%	Mattila-Rautiainen 2023	50%
Honda 2022	75%	Jouini 2014	40%	Laurent 2022	60%	Mayer 2013	100%
Hong 2018	50%	Joyce 2021	100%	Lee 2014	80%	McCracken 2023	50%
Hudak 2022	50%	Kadimpati 2015	75%	Lee 2020	75%	McWilliams 2017	50%
Hughes 2019	25%	Kallusky 2023	80%	León-Suárez 2023	40%	Mehraban 2014	60%

Study ID	ROB	Study ID	ROB	Study ID	ROB	Study ID	ROB
Merlin 2015	50%	Phillips 2014	80%	Reiter 2017	80%	Santos 2017	80%
Midbari 2016	50%	PicchiantiDiamanti 2020	80%	Reiter 2018	100%	Scherrer 2015	75%
Miller-Matero 2016	60%	Pinto 2022	80%	Rexelius 2020	25%	Schmukler 2023	0%
Moraes 2021	80%	Plinsinga 2020	80%	Rezaei 2014	75%	Schroeter 2015	40%
Morlà 2021	75%	Plinsinga 2023	80%	Rice 2016	80%	Schwab 2022	80%
Muharam 2022	40%	Porru 2023	25%	Robinson 2013	100%	Schwarm 2021	40%
Murata 2019	50%	Poulin 2016	100%	Rogal 2015	100%	Seed 2015	75%
MurMartí 2017	100%	Prateepavanich 2018	75%	Rogers 2021	75%	Seekatz 2016	25%
Mustonen 2019	60%	Preti 2019	75%	Rojas 2021	75%	Sener 2013	75%
Nacak 2021	75%	Priol 2023	40%	Rometsch 2022	100%	Sengupta 2023	75%
Neblett 2016	75%	Proctor 2013	60%	Rometsch 2023	60%	Shamji 2016	40%
Neikrug 2017	20%	Puto 2023	75%	Rouch 2021	75%	Sharma 2022	60%
Nguyen 2021	75%	Quidé 2022	75%	Rouch 2023	80%	Shebeshi 2023	100%
Norman-Nott 2022	75%	Quinlan 2021	25%	Rovner 2017	75%	Shmagel 2016	75%
Offenbaecher 2013	80%	Racine 2014	75%	Roy 2022	50%	Si 2019	75%
Ojeda 2018	80%	Racine 2017	75%	RusMakovec 2015	20%	Silva 2021	80%
Osório 2016	80%	Radat 2013	80%	Rusu 2016	80%	Siqueira-Campos 2019	80%
Parisi 2022	60%	Rapariz-González 2014	75%	Saariaho 2015	75%	Siqueira-Campos 2022	100%
Pasin 2023	75%	Rayner 2016	50%	Sachau 2023	80%	Sitges 2018	75%
Peilot 2018	50%			Sagheer 2013	40%		
Penacoba 2023	75%			Saglam 2022	75%		

Study ID	ROB	Study ID	ROB	Study ID	ROB	Study ID	ROB
Slawek 2021	75%	Tanaka 2022	80%	Vance 2018	75%	Widenka 2021	25%
Sleurs 2020	80%	Tardif 2023	60%	vandenBerk-Clark 2017	75%	Wildes 2020	50%
Sohn 2016	40%	Tatebe 2016	50%	vanEeden 2023	80%	Wilson 2015	75%
Song 2015	75%	Taylor 2021	80%	VanOvermeire 2022	50%	Wilson 2022	100%
Soriano-Maldonado 2015	50%	Teixido-Abiol 2022	75%	VanRyckeghem 2013	75%	Wolfe 2013	60%
Souza 2021	100%	Terassi 2020	75%	Varinen 2019	50%	Wong 2017	75%
Sparkes 2015	50%	Tetsunaga 2013	50%	Vilalta-Abella 2015	75%	Wright 2017	75%
Stefani 2019	75%	Teychenne 2019	75%	Villafaina 2019	75%	Xu 2020	40%
Stehlik 2018	50%	Thakral 2018	75%	Voute 2023	40%	Yadav 2023	75%
Stein 2015	100%	ThiNguy 2022	75%	Vukojević 2022	20%	Yamada 2022	60%
Steiner 2017	75%	Thomas 2022	50%	Wadley 2019	100%	Yin 2023	75%
Stokholm 2022	80%	Thompson 2023	75%	Wadley 2020	100%	Yu 2021	100%
Subramaniam 2013	40%	Tocchetto 2023	83%	Wahlman 2014	50%	Zaidel 2021	50%
SundaraRajan 2017	60%	Tsuji 2016	50%	Weingarten 2016	75%	Zakrzewska 2017	75%
Sundstrom 2023	75%	Uebelacker 2015	100%	Whitlock 2017	25%	Zambelli 2021	100%
		Upadhyaya 2023	80%			Zubatsky 2020	75%

Note. Risk of Bias (ROB) is interpreted as high (0-49%), medium (50-74%), or low (75-100%).

eReferences.

Note that the number of referenced papers is greater than the number of studies included, due to several papers being published from the same study. When multiple papers were identified from the same study, the papers were merged in Covidence to reflect a single record (or “study ID”), such that the data from individual publications was preserved and extracted under a single record.

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