

Supplementary material: Search strategies

Search strategy

- Functional gastro*
- GI disorder*
- FGID
- Gastrointestinal disorder*
- Functional gut*
- Irritable Bowel Syndrome
- IBS
- ROME IV Criteria
- Child*
- P#ediatric
- Adolescen*
- Teen*
- Anxiety
- Anxiety disorder*
- Social Anxiety Disorder*
- Generalised Anxiety Disorder*
- GAD
- Panic Disorder*
- Separation Anxiety Disorder*
- Agoraphobia
- Spence Children's Anxiety Scales OR SCAS
- Anxiety Scale for Children OR ASD
- Revised Child Anxiety and Depression Scale OR RCADS

Embase

Embase session results (January 29 2024)

No.	Query	Results
#29	#28 AND (2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py OR 2022:py OR 2023:py OR 2024:py) AND ('clinical trial'/de OR 'cohort analysis'/de OR 'controlled clinical trial'/de OR 'controlled study'/de OR 'cross sectional study'/de OR 'interview'/de OR 'longitudinal study'/de OR 'medical record review'/de OR 'meta analysis'/de OR 'multicenter study'/de OR 'observational study'/de OR 'prospective study'/de OR 'questionnaire'/de OR 'randomised controlled trial'/de OR 'retrospective study'/de OR 'systematic review'/de) AND ([adolescent]/lim OR [child]/lim OR [infant]/lim OR [newborn]/lim OR [preschool]/lim OR [school]/lim) AND ('Article'/it OR 'Review'/it)	1774
#28	#25 AND #26 AND #278282	
#27	#13 OR #14 OR #15	544261
#26	#8 OR #9 OR #10 OR #11 OR #12	4772813
#25	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24	1872743
#24	'loss of appetite'	20241
#23	'indigestion'	4285
#22	stomach AND cramp*	2079
#21	'gas'	567809
#20	'bloating'	19561
#19	'abdominal pain'	256275
#18	'constipation'	126304
#17	'diarrhea'	356681
#16	'nausea and vomiting'	88769
#15	'agoraphobia'	7910
#14	'panic'	33988
#13	'anxiety'	531272
#12	teen*	54130
#11	adolescen*	2180326
#10	'pediatric'	1299791
#9	'paediatric'	301522
#8	'child'	3281122
#7	'rome iv criteria'	1631
#6	ibs	31803
#5	irritable AND bowel AND syndrome	27494
#4	fgid	1289
#3	gastrointestinal AND disorder	83094
#2	gi AND disorder	11165
#1	'digestive system function disorder'/exp OR 'digestive system function disorder'	1089428

MEDLINE and APA Psych Info

S6 S4 AND S5 Expanders - Apply equivalent subjects

Search modes - Boolean/Phrase Interface - EBSCOhost Research Databases

Search Screen - Advanced Search

Database - MEDLINE;APA PsycInfo 229

S5 anxiety OR anxiety disorder* OR social anxiety disorder* OR (generalised anxiety disorder or gad) OR separation anxiety* OR agoraphobia*

Expanders - Apply equivalent subjects

Search modes - Boolean/Phrase Interface - EBSCOhost Research Databases

Search Screen - Advanced Search

Database - MEDLINE;APA PsycInfo 670,986

S4 S2 AND S3 Expanders - Apply equivalent subjects

Search modes - Boolean/Phrase Interface - EBSCOhost Research Databases

Search Screen - Advanced Search

Database - MEDLINE;APA PsycInfo 3,285

S3 child* OR p#ediatric OR (adolescen' or teen' or youth) Limiters - Peer Reviewed; Publication Date: 20140101-20241231; English Language; Human; Age Related: All Child: 0-18 years; Language: English; Publication Year: 2014-2024; Publication Status: fully published; Publication Type: Peer Reviewed Journal; Age Groups: Childhood (birth-12 yrs), Neonatal (birth-1 mo), Infancy (2-23 mo), Preschool Age (2-5 yrs), School Age (6-12 yrs), adolescence (13-17 yrs); Population Group: Human; Exclude Dissertations

Expanders - Apply equivalent subjects

Search modes - Boolean/Phrase Interface - EBSCOhost Research Databases

Search Screen - Advanced Search

Database - MEDLINE;APA PsycInfo 884,128

S2 functional gastro* OR GI disorder* OR fgid OR Gastrointestinal disorder* OR functional gut* OR (irritable bowel syndrome or ibs) OR rome iv criteria Limiters - Peer Reviewed; Publication Date: 20140101-20241231; English Language; Human; Age Related: All Child: 0-18 years; Language: English; Publication Year: 2014-2024; Publication Status: fully published; Publication Type: Peer Reviewed Journal; Age Groups: Childhood (birth-12 yrs), Neonatal (birth-1 mo), Infancy (2-23 mo), Preschool Age (2-5 yrs), School Age (6-12 yrs), adolescence (13-17 yrs); Population Group: Human; Exclude Dissertations

Expanders - Apply equivalent subjects

Search modes - Boolean/Phrase Interface - EBSCOhost Research Databases

Search Screen - Advanced Search

Database - MEDLINE;APA PsycInfo 4,542

S1 Limiters - Peer Reviewed; Publication Date: 20140101-20241231; English Language; Human; Age Related: All Child: 0-18 years; Language: English; Publication Year: 2014-2024; Publication Status: fully published; Publication Type: Peer Reviewed Journal; Age Groups: Childhood (birth-12 yrs), Neonatal (birth-1 mo), Infancy (2-23 mo), Preschool Age (2-5 yrs), School Age (6-12 yrs), adolescence (13-17 yrs); Population Group: Human; Exclude Dissertations

Expanders - Apply equivalent subjects

Search modes - Boolean/Phrase Interface - EBSCOhost Research Databases

Search Screen - Advanced Search

Database - MEDLINE;APA PsycInfo 1,274,743