

Supplementary material 2. Search strategies.

Source: PubMed

N°	Concept	Search strategy	Records
#1	Autistic	“Autistic Disorder”[Mesh] OR “Autism Spectrum Disorder”[Mesh] OR “Akinetic Mutism”[Mesh] OR “Asperger Syndrome”[Mesh] OR “Developmental Disabilities”[Mesh] OR “Child Development Disorders, Pervasive”[Mesh] OR Autistic*[tiab] OR Autism*[tiab] OR “Kanner’s Syndrome”[tiab] OR “Kanner Syndrome”[tiab] OR asperger*[tiab] OR “Pervasive Child Development”*[tiab] OR “pervasive development”*[tiab]	97,138
#2	Child adolescents	and “Child”[Mesh] OR “Adolescent”[Mesh] OR “Minors”[Mesh] OR Children*[tiab] OR child[tiab] OR childhood[tiab] OR teen[tiab] OR teens[tiab] OR teenage*[tiab] OR pediatric*[tiab] OR paediatric*[tiab] OR adolescen*[tiab] OR boys[tiab] OR girls[tiab] OR youth[tiab] OR youths[tiab]	4,088,847
#3	Functional communication training	“Verbal Behavior”[Mesh] OR “Verbal Behavior”[tiab] OR “functional Communication Training”[tiab] OR “Augmentative and Alternative Communication”[Tiab] OR “Communication Strategies”[Tiab] OR “Communication Training”[Tiab] OR “functional Communication Training”[Tiab] OR “Picture Exchange Communication System”[Tiab] OR “communication skills training”[tiab] OR “differential reinforcement”[tiab] OR mand[tiab] OR mands[tiab]	60,952
#4	Self-injurious behavior	“Self-Injurious Behavior”[Mesh] OR “Self Mutilation”[Mesh] OR Self-Injuriou*[tiab] OR “Self Injur”*[tiab] OR “Self Harm”*[tiab] OR “Self-Destructive Behavior”*[tiab] OR “Self Mutilation”*[tiab]	93,196
#5	RCT	((randomized controlled trial[pt] OR (controlled clinical trial[pt] OR Random*[tiab] OR RCT[tiab] RTCs[tiab] OR blind*[tiab] OR control*[tiab] OR trial*[tiab] OR placebo*[tiab]) OR (groups[tiab])) NOT (animals[mh] NOT humans[mh])	6,339,098
#6	Single-case	“Single-Case Studies as Topic”[Mesh] OR “single case”[tiab] OR “single subject”[tiab] OR “N of 1”[tiab] OR “small N”[tiab] OR “N=1”[tiab] OR “N=one”[tiab] OR “N-of-one”[tiab] OR “single patient”[tiab] OR “single participant”[tiab] OR “ABA design”[tiab] OR “multiple base-line”[tiab] OR “multiple baseline”[tiab] OR “alternating treatment”[tiab] OR “reversal design”[tiab] OR “withdrawal design”[tiab]	124,318
#7	Join	#5 OR #6	6,428,321
#8	Join	#1 AND #2 AND #3 AND #4 AND #7	15

Source: Scopus

N°	Concept	Search strategy	Records
#1	Autistic	TITLE-ABS-KEY (autistic* OR autism* OR “kanner’s syndrome” OR “kanner126,133 syndrome” OR asperger* OR “pervasive child development*” OR “pervasive development*”)	
#2	Child adolescents	andTITLE-ABS-KEY (children* OR child OR childhood OR teen OR teens OR5,519,552 teenage* OR pediatric* OR paediatric* OR adolescen* OR boys OR girls OR youth OR youths)	
#3	Functional communication training	TITLE-ABS-KEY (“verbal behavior” OR “functional communication training”52,077 OR “augmentative and alternative communication” OR “communication strategies” OR “communication training” OR “functional communication training” OR “picture exchange communication system” OR “communication skills training” OR “differential reinforcement” OR “mand” OR “mands”)	
#4	Self-injurious behavior	TITLE-ABS-KEY(Self-Injuriou* OR “Self Injur*” OR “Self Harm*” OR “Self-28,047 Destructive Behavior*” OR “Self Mutilation*”)	
#5	RCT	TITLE-ABS-KEY(Random* OR RCT* OR blind* OR control* OR trial* OR21,064,027 placebo*)	
#6	Single-case	TITLE-ABS-KEY(“Single-Case Studies as Topic” OR “single case” OR “single251,126 subject” OR “N of 1” OR “small N” OR “N=1” OR “N=one” OR “N-of-one” OR “single patient” OR “single participant” OR “ABA design” OR “multiple base-line” OR “multiple baseline” OR “alternating treatment” OR “reversal design” OR “withdrawal design”)	
#7	Join	#5 OR #6	21,281,770
#8	Join	#1 AND #2 AND #3 AND #4 AND #7	18

Source: Web of Science

N°	Concept	Search strategy	Records
#1	Autistic	TS=(autistic* OR autism* OR “kanner’s syndrome” OR “kanner syndrome” OR asperger* OR “pervasive child development*” OR “pervasive development*”)	89,057
#2	Child adolescents	andTS=(children* OR child OR childhood OR teen OR teens OR teenage* OR pediatric* OR paediatric* OR adolescen* OR boys OR girls OR youth OR youths)	1,844,736
#3	Functional communication training	TS=(“verbal behavior” OR “functional communication training” OR “augmentative and alternative communication” OR “communication strategies” OR “communication training” OR “functional communication training” OR “picture exchange communication system” OR “communication skills training” OR “differential reinforcement” OR “mand” OR “mands”)	12,575
#4	Self-injurious behavior	TS=(Self-Injuriou* OR “Self Injur*” OR “Self Harm*” OR “Self-Destructive Behavior*” OR “Self Mutilation”*)	18,800
#5	RCT	TS=(Random* OR RCT* OR blind* OR control* OR trial* OR placebo*)	6,266,894
#6	Single-case	TS=(“Single-Case Studies as Topic” OR “single case” OR “single subject” OR “N of 1” OR “small N” OR “N=1” OR “N=one” OR “N-of-one” OR “single patient” OR “single participant” OR “ABA design” OR “multiple base-line” OR “multiple baseline” OR “alternating treatment” OR “reversal design” OR “withdrawal design”)	158,029
#7	Join	#5 OR #6	6,392,136
#8	Join	#1 AND #2 AND #3 AND #4 AND #7	24

Source: Embase

N°	Concept	Search strategy	Records
#1	Autistic	'autism'/exp OR 'autism'/exp OR 'akineti mutism'/exp OR 'Asperger syndrome'/exp OR 'developmental disorder'/exp OR 'autism'/exp OR 'autistic*':ti,ab,kw OR 'autism*':ti,ab,kw OR 'kanner`s syndrome':ti,ab,kw OR 'kanner syndrome':ti,ab,kw OR 'asperger*':ti,ab,kw OR 'pervasive child development*':ti,ab,kw OR 'pervasive development*':ti,ab,kw	178,007
#2	Child adolescents	and'child'/exp OR 'adolescent'/exp OR 'minor (person)'/exp OR 'children*':ti,ab,kw OR 'child':ti,ab,kw OR 'childhood':ti,ab,kw OR 'teen':ti,ab,kw OR 'teens':ti,ab,kw OR 'teenage*':ti,ab,kw OR 'pediatric*':ti,ab,kw OR 'paediatric*':ti,ab,kw OR 'adolescenc*':ti,ab,kw OR 'boys':ti,ab,kw OR 'girls':ti,ab,kw OR 'youth':ti,ab,kw OR 'youths':ti,ab,kw	5,173,702
#3	Functional communication training	'verbal behavior'/exp OR 'verbal behavior':ti,ab,kw OR 'functional communication training':ti,ab,kw OR 'augmentative' AND 'alternative communication':ti,ab,kw OR 'communication strategies':ti,ab,kw OR 'communication training':ti,ab,kw OR 'functional communication training':ti,ab,kw OR 'picture exchange communication system':ti,ab,kw OR 'communication skills training':ti,ab,kw OR 'differential reinforcement':ti,ab,kw OR 'mand':ti,ab,kw OR 'mands':ti,ab,kw	12,738
#4	Self-injurious behavior	'automutilation'/exp OR 'automutilation'/exp OR 'self-injuriou*':ti,ab,kw OR 'self injur*':ti,ab,kw OR 'self harm*':ti,ab,kw OR 'self-destructive behavior*':ti,ab,kw OR 'self mutilation*':ti,ab,kw	33,242
#5	RCT	('randomized controlled trial':it OR 'controlled clinical trial':it OR 'randomized':ti,ab,kw OR 'randomised':ti,ab,kw OR 'placebo':ti,ab,kw OR 'drug therapy' OR 'randomly':ti,ab,kw OR 'trial':ti,ab,kw OR 'groups':ti,ab,kw) NOT ('animal'/exp NOT 'human'/exp)	8,946,175
#6	Single-case	'single-case study'/exp OR 'single case':ti,ab,kw OR 'single subject':ti,ab,kw OR 'n of 1':ti,ab,kw OR 'small n':ti,ab,kw OR 'n=1':ti,ab,kw OR 'n=one':ti,ab,kw OR 'n-of-one':ti,ab,kw OR 'single patient':ti,ab,kw OR 'single participant':ti,ab,kw OR 'aba design':ti,ab,kw OR 'multiple base-line':ti,ab,kw OR 'multiple baseline':ti,ab,kw OR 'alternating treatment':ti,ab,kw OR 'reversal design':ti,ab,kw OR 'withdrawal design':ti,ab,kw	201,769
#7	Join	#5 OR #6	9,080,709
#8	Join	#1 AND #2 AND #3 AND #4 AND #7	10