

APPENDIX A: SEARCH STRATEGY

Searches were performed as part of a full comparative effectiveness review of benefits and harms of second-generation antidepressants, psychotherapies, complementary and alternative medicine treatments, and exercise interventions for patients with major depressive disorders.²⁶ Therefore, the table below has search terms for interventions that are irrelevant for this specific paper.

MEDLINE via PubMed: 02/05/2014

Search	Query	Items found
#1	Search ("Bupropion"[Mesh] OR "Bupropion"[tiab] OR 34911-55-2[rn])	3570
#2	Search ("Citalopram"[Mesh] OR "Citalopram"[tiab] OR 59729-33-8[rn])	5061
#3	Search ("Escitalopram"[tiab] OR 128196-01-0[rn])	4031
#4	Search ("O-desmethylvenlafaxine" [Supplementary Concept] OR Desvenlafaxine[tiab] OR 93413-62-8[rn])	234
#5	Search ("Fluoxetine"[Mesh] OR "Fluoxetine"[tiab] OR 54910-89-3[rn])	10911
#6	Search ("Fluvoxamine"[Mesh] OR "Fluvoxamine"[tiab] OR 54739-18-3[rn])	2551
#7	Search ("milnacipran"[Supplementary Concept] OR "Levomilnacipran"[tiab] OR 96847-54-0[rn])	346
#8	Search ("mirtazapine"[Supplementary Concept] OR "mirtazapine"[tiab] OR 85650-52-8[rn])	1574
#9	Search ("nefazodone"[Supplementary Concept] OR "nefazodone"[tiab] OR 82752-99-6[rn])	706
#10	Search ("Paroxetine"[Mesh] OR "Paroxetine"[tiab] OR 61869-08-7[rn])	5220
#11	Search ("Sertraline"[Mesh] OR "Sertraline"[tiab] OR 79617-96-2[rn])	3732
#12	Search ("Trazodone"[Mesh] OR "Trazodone"[tiab] OR 19794-93-5[rn])	1685
#13	Search ("venlafaxine"[Supplementary Concept] OR "venlafaxine"[tiab] OR 93413-69-5[rn])	3124
#14	Search ("vilazodone"[Supplementary Concept] OR "vilazodone"[tiab] OR 163521-12-8[rn])	65
#15	Search ("vortioxetine"[Supplementary Concept] OR "vortioxetine"[tiab] OR 508233-74-7[rn])	50
#16	Search ("Antidepressive Agents, Second-Generation"[Mesh] OR "Antidepressive Agents, Second-Generation"[Pharmacological Action])	57579
#17	Search (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16)	67046
#18	Search ("Psychotherapy"[Mesh] OR psychotherap*[tiab])	156412
#19	Search (Acceptance and Commitment Therap*[tiab] OR Cognitive Therap*[tiab] OR Cognitive behavioral Therap*[tiab] OR interpersonal therap*[tiab] OR psychodynamic therap*[tiab] OR behavioral therap*[tiab])	8028
#20	Search (#18 OR #19)	158665
#21	Search ("Hypericum"[Mesh] OR "Hypericum"[tiab] OR "St. Johns Wort"[tiab] OR "Saint Johns Wort"[tiab] OR "St. John's Wort"[tiab] OR "Saint John's Wort"[tiab] OR L1160[tiab] OR L1160[tiab] OR WS5572[tiab] OR WS5573[tiab] OR LoHyp-57[tiab])	2591
#22	Search ("s adenosyl l methionine"[tiab] OR "s adenosylmethionine"[tiab] OR "S-Adenosylmethionine"[Mesh])	8814
#23	Search ("Fatty Acids, Omega-3"[Mesh] OR (omega 3[tiab] AND fatty acid*[tiab]) OR fish oil[tiab] OR flax seed[tiab] OR borage seed[tiab] OR Borago[tiab] OR evening primrose[tiab] OR Oenothera[tiab] OR eicosapentaenoic acid[tiab] OR PUFA[tiab])	27732
#24	Search ("Acupuncture"[Mesh] OR "Acupuncture Therapy"[Mesh] OR Acupuncture[tiab] OR Electroacupuncture[tiab])	20337
#25	Search ("Yoga"[Mesh] OR yoga[tiab])	2387
#26	Search ("Meditation"[Mesh] OR meditation[tiab] OR mindfulness[tiab])	4174
#27	Search ("Exercise"[Mesh] OR physical activit*[tiab] OR "physical exercise"[tiab])	159734
#28	Search (#22 OR #23 OR #24 OR #25 OR #26 OR #27)	221143
#29	Search ("Depressive Disorder, Major"[MeSH] OR "major depressive disorder"[tiab] OR	35489

Search	Query	Items found
	"major depression"[tiab])	
#30	Search (#29 AND (#28 OR #20 OR #17))	7950
#31	Search (systematic*[tiab] AND (bibliographic*[tiab] OR literature[tiab] OR review[tiab] OR reviewed[tiab] OR reviews[tiab])) OR (comprehensive*[tiab] AND (bibliographic*[tiab] OR literature[tiab])) OR "research synthesis"[tiab] OR "research integration"[tiab] OR meta-analy*[tiab] OR metaanaly*[tiab] OR "meta-analysis as topic"[mh] OR "Meta-Analysis"[pt] OR ("review"[tiab] AND ("rationale"[tiab] OR "evidence"[tiab]) AND review[pt]) OR "Systematic Review"[tiab] OR ("Review"[Publication Type] AND "systematic"[tiab]))	241160
#32	Search ("Randomized Controlled Trial"[Publication Type] OR "Randomized Controlled Trials as Topic"[MeSH] OR "Randomized Controlled Trial"[tiab] OR "Single-Blind Method"[MeSH] OR "Double-Blind Method"[MeSH] OR "Random Allocation"[MeSH])	542163
#33	Search (("cohort studies"[MeSH] OR cohort stud*[tiab] OR cohort analy*[tiab] OR "Case-Control Studies"[Mesh] OR case control stud*[tiab] OR observational stud*[tiab] OR "observational study"[pt] OR ((longitudinal[tiab] OR retrospective[tiab] OR prospective[tiab]) AND (study[tiab] OR trial[tiab]))) AND ("Comparative Study"[pt] OR comparison[tiab] OR comparative[tiab]))	349594
#34	Search ("Controlled Clinical Trial"[pt] OR "Controlled Clinical Trials as Topic"[Mesh] OR controlled clinical trial*[tiab] OR controlled trial*[tiab] OR controlled stud*[tiab])	319105
#35	Search (#30 AND (#31 OR #32 OR #33 OR #34))	3642
#36	Search ("Animals"[Mesh] NOT "Humans"[Mesh])	3882887
#37	Search (#35 NOT #36)	3635
#38	Search ("Infant"[Mesh] OR "Child"[Mesh] OR "Adolescent"[Mesh]) NOT "Adult"[Mesh]	1490657
#39	Search (#37 NOT #38)	3398
#40	Search #39 AND 1990:2014[dp] AND (english[la] OR german[la] OR italian[la])	3231

Addendum duloxetine 07/05/2014

Search	Query	Items found
#1	Search ("duloxetine" [Supplementary Concept] OR duloxetine[tiab])	1677
#2	Search ("Depressive Disorder, Major"[MeSH] OR "major depressive disorder"[tiab] OR "major depression"[tiab])	35518
#3	Search (#1 AND #2)	430
#4	Search ((systematic*[tiab] AND (bibliographic*[tiab] OR literature[tiab] OR review[tiab] OR reviewed[tiab] OR reviews[tiab])) OR (comprehensive*[tiab] AND (bibliographic*[tiab] OR literature[tiab])) OR "research synthesis"[tiab] OR "research integration"[tiab] OR meta-analy*[tiab] OR metaanaly*[tiab] OR "meta-analysis as topic"[mh] OR "Meta-Analysis"[pt] OR ("review"[tiab] AND ("rationale"[tiab] OR "evidence"[tiab]) AND review[pt]) OR "Systematic Review"[tiab] OR ("Review"[Publication Type] AND "systematic"[tiab]))	241577
#5	Search (("Randomized Controlled Trial"[Publication Type] OR "Randomized Controlled Trials as Topic"[MeSH] OR "Randomized Controlled Trial"[tiab] OR "Single-Blind Method"[MeSH] OR "Double-Blind Method"[MeSH] OR "Random Allocation"[MeSH]))	542686
#6	Search (((("cohort studies"[MeSH] OR cohort stud*[tiab] OR cohort analy*[tiab] OR "Case-Control Studies"[Mesh] OR case control stud*[tiab] OR observational stud*[tiab] OR "observational study"[pt] OR ((longitudinal[tiab] OR retrospective[tiab] OR prospective[tiab]) AND (study[tiab] OR trial[tiab]))) AND ("Comparative Study"[pt] OR comparison[tiab] OR comparative[tiab])))	349872
#7	Search (("Controlled Clinical Trial"[pt] OR "Controlled Clinical Trials as Topic"[Mesh] OR controlled clinical trial*[tiab] OR controlled trial*[tiab] OR controlled stud*[tiab]))	319351
#8	Search (#3 AND (#7 OR #6 OR #5 OR #4))	234
#9	Search (("Animals"[Mesh] NOT "Humans"[Mesh]))	3884483
#10	Search (#8 NOT #9)	234
#11	Search (("Infant"[Mesh] OR "Child"[Mesh] OR "Adolescent"[Mesh]) NOT "Adult"[Mesh])	1491426
#12	Search (#10 NOT #11)	234
#13	Search (#12 AND 1990:2014[dp] AND (english[la] OR german[la] OR italian[la]))	229

Cochrane Library 02/05/2014

ID	Search	Hits
#1	[mh Bupropion] or "Bupropion":ti,ab	934
#2	[mh Citalopram] or "Citalopram":ti,ab	1196
#3	Escitalopram:ti,ab	588
#4	Desvenlafaxine:ti,ab	71
#5	[mh Fluoxetine] or "Fluoxetine":ti,ab	2364
#6	[mh Fluvoxamine] or "Fluvoxamine":ti,ab	687
#7	Levomilnacipran:ti,ab	12
#8	mirtazapine:ti,ab	439
#9	nefazodone:ti,ab	194
#10	[mh Paroxetine] or "Paroxetine":ti,ab	1770
#11	[mh Sertraline] or "Sertraline":ti,ab	1350
#12	[mh Trazodone] or "Trazodone":ti,ab	335
#13	venlafaxine:ti,ab	989
#14	vilazodone:ti,ab	19
#15	vortioxetine:ti,ab	13
#16	[mh "Antidepressive Agents, Second-Generation"]	1230
#17	^{1-#16}	9063
#18	[mh Psychotherapy] or psychotherap*:ti,ab	17066
#19	(Acceptance near/2 Commitment next Therap*):ti,ab or (Cognitive near/2 Therap*):ti,ab or ((interpersonal or psychodynamic or behavioral) next therap*):ti,ab	5015
#20	#18 or #19	19087
#21	[mh yoga] or yoga:ti,ab	688
#22	[mh meditation] or (meditation or mindfulness):ti,ab	1064
#23	[mh Acupuncture] or [mh "Acupuncture Therapy"] or (Acupuncture or Electroacupuncture):ti,ab	7130
#24	[mh Hypericum] or "Hypericum":ti,ab or (john* next wort):ti,ab or (LI160 or WS5572 or WS5573 or LoHyp-57):ti,ab	295
#25	("s adenosyl l methionine" or "s adenosylmethionine"):ti,ab or [mh S-Adenosylmethionine]	191
#26	[mh "fatty Acids, Omega-3"] or (omega-3 and fatty next acid*):ti,ab or ("fish oil" or "flax seed" or "borage seed" or Borago or "evening primrose" or Oenothera or "eicosapentaenoic acid" or PUFA):ti,ab	3661
#27	[mh Exercise] or (physical next (activit* or exercise)):ti,ab	18551
#28	{or #21-#27}	31146
#29	[mh "Depressive Disorder, Major"] or "major depressive disorder":ti,ab or (major next/1 depress*):ti,ab	6406
#30	#29 and (#17 or #20 or #28)	3544
#31	#30 Publication Date from 1990 to 2014	3460
#32	([mh infant] or [mh child] or [mh adolescent]) not [mh adult]	88056
#33	#31 not #32	2867
#34	#31 and (adult or adults):ti,ab	393
#35	#33 or #34	2945
#36	[mh animals] not [mh humans]	5655
#37	#35 not #36 in Other Reviews, Trials, Methods Studies, Technology Assessments, Economic Evaluations and Cochrane Groups	2940
#38	(review:pt and systematic:ti,ab) or "systematic review"	37971
#39	meta-analysis:pt or (meta next analy*):ti,ab or metaanaly*:ti,ab or [mh Meta-Analysis] or [mh "Meta-Analysis as Topic"]	20924
#40	[mh "Randomized Controlled Trial"] or [mh "Randomized Controlled Trial as topic"] or "randomized controlled trial":pt or [mh "single-blind method"] or [mh "double-blind method"] or [mh "random allocation"] or (randomi?ed next controlled next "trial"):ti,ab	377221
#41	[mh "Controlled Clinical Trial"] or [mh "Controlled Clinical Trials as Topic"] or (controlled next/2 (trial or study)):ti,ab	149716
#42	([mh "cohort studies"] or (cohort next stud*):ti,ab or [mh "case-control studies"] or (case-control next stud*):ti,ab or (observational next stud*):ti,ab or "observational study":pt or ((observational or longitudinal or retrospective) near/2 (study or trial)):ti,ab) and ("comparative study":pt or [mh "Comparative Study"] or comparison:ti,ab or comparative:ti,ab)	51743

ID	Search	Hits
#43	{or #38-#42}	458686
#44	#37 and #43 in Other Reviews, Trials, Methods Studies, Technology Assessments, Economic Evaluations and Cochrane Groups	2000

Addendum duloxetine 07/05/2014

No.	Query	Results
#30	[mh "Depressive Disorder, Major"] or "major depressive disorder":ti,ab or (major next/1 depress*):ti,ab	6406
#31	#30 and "duloxetine":ti,ab	163
#32	#31 Publication Date from 1990 to 2014	163
#33	([mh infant] or [mh child] or [mh adolescent]) not [mh adult]	88056
#34	#32 not #33	143
#35	#32 and (adult or adults):ti,ab	29
#36	#34 or #35	149
#37	[mh animals] not [mh humans]	5655
#38	#36 not #37 in Other Reviews, Trials, Methods Studies, Technology Assessments, Economic Evaluations and Cochrane Groups	149
#39	[mh "Randomized Controlled Trial"] or [mh "Randomized Controlled Trial as topic"] or "randomized controlled trial":pt or [mh "single-blind method"] or [mh "double-blind method"] or [mh "random allocation"] or (randomi?ed next controlled next "trial"):ti,ab	377221
#40	[mh "Controlled Clinical Trial"] or [mh "Controlled Clinical Trials as Topic"] or (controlled next/2 (trial or study)):ti,ab	149722
#41	#38 and (#39 or #40) in Trials	87
#42	#38 in Other Reviews	8
#43	#42 or #41	95

EMBASE 06/05/2014

No.	Query	Results
#1.1	'amfebutamone'/exp OR bupropion:tn,ab,ti OR '34911 55 2':rn	
#1.2	'citalopram'/exp OR citalopram:tn,ab,ti OR '59729 33 8':rn OR 'escitalopram'/exp OR escitalopram:tn,ab,ti OR '128196 01 0':rn	
#1.3	'desvenlafaxine'/exp OR desvenlafaxine:tn,ab,ti OR '93413 62 8':rn	
#1.4	'fluoxetine'/exp OR fluoxetine:tn,ab,ti OR '54910 89 3':rn	
#1.5	'fluvoxamine'/exp OR fluvoxamine:tn,ab,ti OR '54739 18 3':rn	
#1.6	'milnacipran'/exp OR levomilnacipran:tn,ab,ti OR '96847 54 0':rn	
#1.7	'mirtazapine'/exp OR mirtazapine:tn,ab,ti OR '85650 52 8':rn	
#1.8	'nefazodone'/exp OR nefazodone:tn,ab,ti OR '82752 99 6':rn	
#1.9	'paroxetine'/exp OR paroxetine:tn,ab,ti OR '61869 08 7':rn	
#1.10	'sertraline'/exp OR sertraline:tn,ab,ti OR '79617 96 2':rn	
#1.11	'trazodone'/exp OR trazodone:tn,ab,ti OR '19794 93 5':rn	
#1.12	'venlafaxine'/exp OR venlafaxine:tn,ab,ti OR '93413 69 5':rn	
#1.13	'vilazodone'/exp OR vilazodone:tn,ab,ti OR '163521 12 8':rn	
#1.14	'vortioxetine'/exp OR vortioxetine:tn,ab,ti OR '508233 74 7':rn	
#1.15	'antidepressant agent'/exp AND 'second generation':ab,ti	
#1.16	#1.1 OR #1.2 OR #1.3 OR #1.4 OR #1.5 OR #1.6 OR #1.7 OR #1.8 OR #1.9 OR #1.10 OR #1.11 OR #1.12 OR #1.13 OR #1.14 OR #1.15	87062
#1.17	'psychotherapy'/exp	187201
#1.18	((acceptance OR cognitive OR interpersonal OR psychodynamic OR behavioral) NEXT/3 (therapy OR therapies OR psychotherapy)):ab,ti	20374
#1.19	#1.17 OR #1.18 AND 'treatment outcome'/exp	25169
#1.20	'hypericum'/exp OR hypericum:ab,ti OR (john* NEXT/1 wort):ab,ti OR li160:ab,ti OR ws5572:ab,ti OR ws5573:ab,ti OR 'lohyp 57':ab,ti	4193
#1.21	's adenosylmethionine'/exp OR 's adenosylmethionine' OR 's adenosyl I methionine':ab,ti OR 's adenosylmethionine':ab,ti	10557
#1.22	'omega 3 fatty acid'/exp OR ('omega 3':ab,ti AND acid*:ab,ti) OR 'fish oil':ab,ti OR 'flax	34034

No.	Query	Results
	seed':ab,ti OR 'borage seed':ab,ti OR borago:ab,ti OR 'evening primrose':ab,ti OR oenothera:ab,ti OR 'eicosapentaenoic acid':ab,ti OR pufa:ab,ti	
#1.23	'acupuncture'/exp OR acupuncture:ab,ti OR electroacupuncture:ab,ti	33369
#1.24	'yoga'/exp OR yoga:ab,ti	4138
#1.25	'meditation'/exp OR meditation:ab,ti OR mindfulness:ab,ti	6584
#1.26	'exercise'/exp	209232
#1.27	#1.20 OR #1.21 OR #1.22 OR #1.23 OR #1.24 OR #1.25 OR #1.26 AND 'treatment outcome'/exp	19807
#1.28	'major depression'/exp OR 'major depressive disorder':ab,ti OR (major NEXT/2 depress*):ab,ti	52013
#1.29	#1.28 AND (#1.27 OR #1.19 OR #1.16)	13000
#1.30	'systematic review'/exp OR 'meta analysis'/exp OR 'systematic review':ab,ti OR (meta NEXT/1 analy*):ab,ti OR metaanaly*':ab,ti OR (review:it AND systematic:ab,ti) OR (systematic:ab,ti AND (bibliographic:ab,ti OR literature:ab,ti OR review:ab,ti OR reviewed:ab,ti OR reviews:ab,ti)) OR 'research synthesis':ab,ti OR 'research integration':ab,ti OR (comprehensive*':ab,ti AND (bibliographic:ab,ti OR literature:ab,ti)) OR (review:it AND review:ab,ti AND (rationale:ab,ti OR evidence:ab,ti))	287380
#1.31	'randomized controlled trial'/exp OR (randomi?ed NEXT/1 'controlled trial'):ab,ti OR 'double blind procedure'/exp OR 'single blind procedure'/exp OR 'randomization'/exp OR 'random allocation':ab,ti OR (allocated NEXT/2 random*):ab,ti	441315
#1.32	'cohort analysis'/exp OR 'case control study'/exp OR 'observational study'/exp OR 'longitudinal study'/exp OR 'prospective study'/exp OR 'retrospective study'/exp OR (cohort NEXT/1 (stud* OR analy*)):ab,ti OR (observational OR 'case control') NEXT/1 stud* OR ((longitudinal OR retrospective OR prospective) NEXT/2 (trial OR study)):ab,ti AND ('comparative study'/exp OR comparative:ab,ti OR comparison:ab,ti)	149667
#1.33	'controlled clinical trial'/exp OR (controlled NEXT/2 (trial* OR stud*)):ab,ti	591400
#1.34	#1.29 AND (#1.30 OR #1.31 OR #1.32 OR #1.33)	
#1.35	'human'/exp	14753345
#1.36	#1.34 AND #1.35	4575
#1.37	'adult'/exp	5294678
#1.38	#1.36 AND #1.37	2399
#1.39	#1.38 AND [1990-2014]/py	2374
#1.40	#1.39 AND [english]/lim	2316
#1.41	#1.39 AND (german:la OR italian:la)	17
#1.42	#1.40 OR #1.41	2333
#1		2333
#2	#1 AND [embase]/lim	2232

Addendum duloxetine 07.05.2014

No.	Query	Results
#6	'randomized controlled trial'/exp OR (randomi?ed NEXT/1 'controlled trial'):ab,ti OR 'double blind procedure'/exp OR 'single blind procedure'/exp OR 'randomization'/exp OR 'random allocation':ab,ti OR (allocated NEXT/2 random*):ab,ti	441315
#7	'cohort analysis'/exp OR 'case control study'/exp OR 'observational study'/exp OR 'longitudinal study'/exp OR 'prospective study'/exp OR 'retrospective study'/exp OR (cohort NEXT/1 (stud* OR analy*)):ab,ti OR (observational OR 'case control') NEXT/1 stud* OR ((longitudinal OR retrospective OR prospective) NEXT/2 (trial OR study)):ab,ti AND ('comparative study'/exp OR comparative:ab,ti OR comparison:ab,ti)	149667
#8	'controlled clinical trial'/exp OR (controlled NEXT/2 (trial* OR stud*)):ab,ti	591400
#9	#5 OR #6 OR #7 OR #8	1017694
#10	#4 AND #9	582
#11	#10 AND 'human'/exp AND 'adult'/exp	210
#12	#11 AND [1990-2014]/py AND [embase]/lim	205
#13	#12 AND ([english]/lim OR german:la OR italian:la)	205

CINAHL (via Ebsco) 02.05.2014

#	Query	Results
S1	(MH "Bupropion") OR "Bupropion"	1,072
S2	(MH "Citalopram") OR "Citalopram"	644
S3	"Escitalopram"	202
S4	(MH "Desvenlafaxine Succinate") OR TX Desvenlafaxine	49
S5	(MH "Fluoxetine+") OR "Fluoxetine"	1,144
S6	(MH "Fluvoxamine Maleate") OR "Fluvoxamine"	145
S7	"Levomilnacipran"	5
S8	(MH "Mirtazapine") OR "mirtazapine"	255
S9	(MH "Nefazodone") OR "nefazodone"	68
S10	(MH "Paroxetine") OR "Paroxetine"	732
S11	(MH "Sertraline Hydrochloride") OR "Sertraline"	643
S12	(MH "Trazodone") OR "Trazodone"	168
S13	(MH "Venlafaxine+") OR "venlafaxine"	605
S14	"vilazodone"	11
S15	"vortioxetine"	5
S16	(MH "Antidepressive Agents, Second Generation+")	2,806
S17	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16	4,599
S18	(MH "Psychotherapy+") OR (TI psychotherap*) OR (AB psychotherap*)	86,97
S19	TI (("Acceptance and Commitment" OR cognitive OR behavioral OR psychodynamic OR interpersonal) N2 therap*) OR AB (("Acceptance and Commitment" OR cognitive OR behavioral OR psychodynamic OR interpersonal) N2 therap*)	4,172
S20	S18 OR S19	87,95
S21	(MH "Yoga+") OR (TI yoga) OR (AB yoga)	2,268
S22	(MH "Meditation") OR (TI (meditation OR mindfulness)) OR (AB (meditation OR mindfulness))	2,652
S23	(MH "St. John's Wort") OR "hypericum" OR (TI john* N2 wort) OR (AB john* N2 wort) OR (TI (LI160 OR WS5572 OR WS5573 OR LoHyp-57)) OR (AB (LI160 OR WS5572 OR WS5573 OR LoHyp-57))	932
S24	(MH "Fatty Acids, Omega-3+") OR (TI "omega 3" N1 fatty acid*) OR (AB "omega 3" N1 fatty acid*) OR (TI ("fish oil" OR "flax seed" OR "borage seed" OR Borago OR "evening primrose" OR Oenothera OR "eicosapentaenoic acid" OR PUFA)) OR (AB ("fish oil" OR "flax seed" OR "borage seed" OR Borago OR "evening primrose" OR Oenothera OR "eicosapentaenoic acid" OR PUFA))	4,996
S25	(MH "S-Adenosylmethionine") OR (TI ("s adenosyl l methionine" OR "s adenosylmethionine")) OR (AB ("s adenosyl l methionine" OR "s adenosylmethionine"))	204
S26	(MH "Acupuncture+") OR (TI (acupuncture OR electroacupuncture)) OR (AB (acupuncture OR electroacupuncture))	8,556
S27	(MH "Exercise+") OR TI (physical N1 (activit* OR exercise)) OR AB (physical N1 (activit* OR exercise))	65,646
S28	S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27	83,353
S29	(MH "Depression+") AND (TX major N2 depress*)	3,393
S30	TI (major n2 depress* OR "major depressive disorder") OR AB (major n2 depress* OR "major depressive disorder")	3,998
S31	S29 OR S30	4,08
S32	S31 AND (S17 OR S20 OR S28)	1,115
S33	(MH "Animals") NOT (MH "Human")	24,505
S34	S32 NOT S33	1,114
S35	((MH "Infant") OR (MH "Child") OR (MH "Adolescence")) NOT (MH "Adult+")	221,397
S36	S34 NOT S35	1,012
S37	S36 AND (PY 1990-2014) AND (LA (english OR german Or italian))	1,003
S38	S37 NOT (PT (editorial OR letter OR commentary))	867

Addendum duloxetine 07.05.2014

#	Query	Results
S1	(MH "Duloxetine Hydrochloride") OR (TX Duloxetine)	378
S2	(MH "Depression+") AND (TX major N2 depress*)	3,397
S3	T1 (major n2 depress* OR "major depressive disorder") OR AB (major n2 depress* OR "major depressive disorder")	4
S4	S2 OR S3	4,082
S5	S4 AND S1	51
S6	(MH "Animals") NOT (MH "Human")	24,582
S7	S5 NOT S6	51
S8	((MH "Infant") OR (MH "Child") OR (MH "Adolescence")) NOT (MH "Adult+")	221,684
S9	S7 NOT S8	51
S10	S9 AND (PY 1990-2014) AND (LA (english OR german Or italian))	51
S11	S10 NOT (PT (editorial OR letter OR commentary))	50

AMED (via Ovid) 02.05.2014

#	Suchen	Ergebnisse
1	exp antidepressive agents/	272
2	Bupropion.mp.	15
3	Citalopram.mp.	9
4	Escitalopram.mp.	3
5	(Desvenlafaxine or O-desmethylvenlafaxine).mp.	0
6	Fluoxetine.mp.	50
7	Levomilnacipran.mp.	0
8	mirtazapine.mp.	6
9	(nefazodone or Paroxetine or Sertraline or Trazodone or venlafaxine or vilazodone or vortioxetine).mp.	69
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9	363
11	exp psychotherapy/	8542
12	((acceptance or cognitive or interpersonal or psychodynamic or behavioral) adj3 (therap\$ or psychotherap\$)).mp.	1395
13	11 or 12	8895
14	exp fatty acids/ or exp fish oils/ or (omega 3 and acid*).mp. or (flax seed or borage seed or Borago or evening primrose or Oenothera or eicosapentaenoic acid or PUFA).mp.	640
15	exp hypericum/ or (hypericum or (john\$ adj1 wort)).mp. or (LI160 or WS5572 or WS5573 or LoHyp-57).mp.	415
16	(S-Adenosylmethionine or s adenosyl I methionine).mp.	21
17	exp acupuncture/ or exp electroacupuncture/ or (acupuncture or electroacupuncture).mp.	9182
18	exp meditation/ or (meditation or mindfulness).mp.	658
19	exp Yoga/ or yoga.mp.	501
20	(physical adj1 (activit* or exercise)).mp. or exp Exercise/	9857
21	14 or 15 or 16 or 17 or 18 or 19 or 20	20984
22	exp depressive disorder/	890
23	((major adj2 depress\$) or major depressive disorder).mp.	352
24	22 or 23	1126
25	10 or 13 or 21	29843
26	24 and 25	283
27	26	283
28	limit 27 to yr="1990 -Current"	282
29	(exp infant/ or exp child/ or exp adolescent/) not exp adult/	15352
30	28 not 29	269
31	28 and (adult or adults).ti,ab.	39
32	30 or 31	271

Addendum duloxetine 07.05.2014

#	Suchen	Ergebnisse
1	duloxetine.mp.	22
2	exp depressive disorder/	894
3	((major adj2 depress\$) or major depressive disorder).mp.	353
4	2 or 3	1131
5	1 and 4	5

PsycInfo (via Ebsco) 02.05.2014

#	Query	Results
S1	TX (Bupropion OR Citalopram OR Escitalopram OR O-desmethylvenlafaxine OR Desvenlafaxine OR Fluoxetine OR Fluvoxamine OR Levomilnacipran OR mirtazapine OR nefazodone OR Paroxetine OR Sertraline OR Trazodone OR venlafaxine OR vilazodone OR vortioxetine)	15,857
S2	DE "antidepressant drugs" AND TX (second generation)	144
S3	S1 OR S2	15,958
S4	(DE "acceptance and commitment therapy") or ((DE "cognitive therapy") or (DE "behavior therapy")) OR (DE psychotherapy)	64,196
S5	TI ((acceptance and commitment therap*) OR (cognitive N2 therap*) OR (behavior* therap) OR (interpersonal therap*) OR (psychodynamic therap*)) OR AB ((acceptance and commitment therap*) OR (cognitive N2 therap*) OR (behavior* therap) OR (interpersonal therap*) OR (psychodynamic therap*))	24,311
S6	S4 OR S5	78,648
S7	(DE acupuncture) OR (TX (acupuncture OR electroacupuncture))	1,717
S8	(DE meditation) OR (TX (meditation OR mindfulness))	8,986
S9	(DE hypericum perforatum) OR (TX (hypericum OR (john* N1 wort) OR LI160 OR WS5572 OR WS5573 LoHyp-57))	392
S10	(DE yoga) OR (TX yoga)	1,907
S11	TX ((omega-3 N1 fatty acid*) OR "fish oil" OR "flax seed" OR "borage seed" OR Borago OR "evening primrose" OR Oenothera OR "eicosapentaenoic acid" OR PUFA)	982
S12	TX ("s adenosyl l methionine" OR "s adenosylmethionine")	205
S13	DE exercise OR TI physical activit* OR AB physical activit*	30,086
S14	S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13	43,124
S15	DE ("major depressive disorder" OR "Major Depression") OR TI ("major depressive disorder" OR (Major N2 Depress*)) OR AB ("major depressive disorder" OR (Major N2 Depress*))	94,026
S16	S15 AND (S3 OR S6 OR S14)	13,953
S17	TI (controlled N2 (trial OR study)) OR AB (controlled N2 (trial OR study))	36,244
S18	TI (randomi*ed controlled trial) OR AB (randomi*ed controlled trial) OR TI (random* N4 (trial OR study)) OR AB (random* N4 (trial OR study))	39,503
S19	TI ("double-blind" OR (random* assigned) OR "single-blind") OR AB ("double-blind" OR (random* assigned) OR "single-blind")	42,931
S20	TI (systematic N3 (bibliographic OR literature OR review# OR reviewed)) OR AB (systematic N3 (bibliographic OR literature OR review# OR reviewed)) OR (comprehensive N3 (bibliographic OR literature)) OR ((TI "research integration") OR (AB "research integration")) OR ((TI "research synthesis") Or (AB "research synthesis")) OR ((TI metaanaly* OR meta-analy*) OR (AB metaanaly* OR meta-analy*)) OR (MR ("systematic review" OR "meta analysis"))	31,825
S21	((MR "longitudinal study" OR "retrospective study" OR "prospective study") OR (DE "cohort analysis") OR TI ((cohort N1 (analy* OR stud*)) OR ((observational OR "case control") N1 stud*) OR ((longitudinal OR retrospective OR prospective) N2 (trial OR study))) OR AB ((cohort N1 (analy* OR stud*)) OR ((observational OR "case control") N1 stud*) OR ((longitudinal OR retrospective OR prospective) N2 (trial OR study)))) AND (TI (comparative OR comparison) OR AB (comparative OR comparison))	10,731
S22	(S17 OR S18 OR S19 OR S20 OR S21) NOT ((ZZ "comment/reply") OR (ZZ "editorial") OR (ZZ "letter"))	113,102
S23	S16 AND S22	3,595
S24	((ZP "animal")) not ((ZP "human"))	279,088

#	Query	Results
S25	S23 NOT S24	3,586
S26	((ZG "childhood (birth-12 yrs)" or (ZG "infancy (2-23 mo)")) or ((ZG "adolescence (13-17 yrs)")) not ((ZG "adulthood (18 yrs & older)"))	396,672
S27	S25 NOT S26	3,4
S28	LA (english OR german OR italian)	3,441,047
S29	PY 1990-2014	2,451,294
S30	S27 AND S28 AND S29	3,172

Addendum duloxetine 07.05.2014

#	Query	Results
S1	DE ("major depressive disorder" OR "Major Depression") OR TI ("major depressive disorder" OR (Major N2 Depress*)) OR AB ("major depressive disorder" OR (Major N2 Depress*))	94,027
S2	S1 AND (TX duloxetine)	375
S3	TI (controlled N2 (trial OR study)) OR AB (controlled N2 (trial OR study))	36,244
S4	TI (randomi*ed controlled trial) OR AB (randomi*ed controlled trial) OR TI (random* N4 (trial OR study)) OR AB (random* N4 (trial OR study))	39,503
S5	TI ("double-blind" OR (random* assigned) OR "single-blind") OR AB ("double-blind" OR (random* assigned) OR "single-blind")	42,931
S6	TI (systematic N3 (bibliographic OR literature OR review# OR reviewed)) OR AB (systematic N3 (bibliographic OR literature OR review# OR reviewed)) OR (comprehensive N3 (bibliographic OR literature)) OR (TI "research integration") OR (AB "research integration") OR (TI "research synthesis") OR (AB "research synthesis") OR (TI metaanaly* OR meta-analy*) OR (AB metaanaly* OR meta-analy*)) OR (MR ("systematic review" OR "meta analysis"))	31,825
S7	((MR "longitudinal study" OR "retrospective study" OR "prospective study") OR (DE "cohort analysis" OR TI ((cohort N1 (analy* OR stud*)) OR ((observational OR "case control") N1 stud*) OR ((longitudinal OR retrospective OR prospective) N2 (trial OR study))) OR AB ((cohort N1 (analy* OR stud*)) OR ((observational OR "case control") N1 stud*) OR ((longitudinal OR retrospective OR prospective) N2 (trial OR study)))) AND (TI (comparative OR comparison) OR AB (comparative OR comparison))	10,731
S8	(S3 OR S4 OR S5 OR S6 OR S7) NOT ((ZZ "comment/reply") OR (ZZ "editorial") OR (ZZ "letter"))	113,102
S9	S2 AND S8	161
S10	((ZP "animal") not ((ZP "human"))	279,088
S11	S9 NOT S10	161
S12	((ZG "childhood (birth-12 yrs)" or (ZG "infancy (2-23 mo)")) or ((ZG "adolescence (13-17 yrs)")) not ((ZG "adulthood (18 yrs & older)"))	396,672
S13	S11 NOT S12	161
S14	LA (english OR german OR italian)	3,441,047
S15	PY 1990-2014	2,451,294
S16	S13 AND S14 AND S15	154

Update Searches

MEDLINE via PubMed 12 January 2015

Search	Query	Items found
#1	Search "Bupropion"[Mesh] OR "Bupropion"[tiab] OR 34911-55-2[rn]	3714
#2	Search "Citalopram"[Mesh] OR "Citalopram"[tiab] OR 59729-33-8[rn]	5305
#3	Search Escitalopram[tw] OR 128196-01-0[rn]	4250
#4	Search "O-desmethylvenlafaxine" [Supplementary Concept] OR Desvenlafaxine[tiab] OR 93413-62-8[rn]	255
#5	Search "Fluoxetine"[Mesh] OR "Fluoxetine"[tiab] OR 54910-89-3[rn]	11275
#6	Search "Fluvoxamine"[Mesh] OR "Fluvoxamine"[tiab] OR 54739-18-3[rn]	2609
#7	Search "milnacipran"[Supplementary Concept] OR "Levomilnacipran"[tiab] OR 96847-54-0[rn]	372
#8	Search "mirtazapine"[Supplementary Concept] OR "mirtazapine"[tiab] OR 85650-52-8[rn]	1650
#9	Search "nefazodone"[Supplementary Concept] OR "nefazodone"[tiab] OR 82752-99-6[rn]	715
#10	Search "Paroxetine"[Mesh] OR "Paroxetine"[tiab] OR 61869-08-7[rn]	5379
#11	Search "Sertraline"[Mesh] OR "Sertraline"[tiab] OR 79617-96-2[rn]	3875
#12	Search "Trazodone"[Mesh] OR "Trazodone"[tiab] OR 19794-93-5[rn]	1716
#13	Search "venlafaxine"[Supplementary Concept] OR "venlafaxine"[tiab] OR 93413-69-5[rn]	3290
#14	Search "vilazodone"[Supplementary Concept] OR "vilazodone"[tiab] OR 163521-12-8[rn]	83
#15	Search "vortioxetine"[Supplementary Concept] OR "vortioxetine"[tiab] OR 508233-74-7[rn]	75
#16	Search "duloxetine" [Supplementary Concept] OR duloxetine[tiab]	1778
#17	Search "Antidepressive Agents, Second-Generation"[Mesh] OR "Antidepressive Agents, Second-Generation"[Pharmacological Action]	58607
#18	Search #17 OR #16 OR #15 OR #14 OR #13 OR #12 OR #11 OR #10 OR #9 OR #8 OR #7 OR #6 OR #5 OR #4 OR #3 OR #2 OR #1	69934
#19	Search "Psychotherapy"[Mesh] OR psychotherap*[tiab]	160809
#20	Search Acceptance and Commitment Therap*[tiab] OR Cognitive Therap*[tiab] OR Cognitive behavioral Therap*[tiab] OR interpersonal therap*[tiab] OR psychodynamic therap*[tiab] OR behavioral therap*[tiab]	8733
#21	Search (#19 OR #20)	163324
#22	Search "Hypericum"[Mesh] OR Hypericum[tiab] OR St. Johns Wort[tiab] OR Saint Johns Wort[tiab] OR St. John's Wort[tiab] OR Saint John's Wort[tiab] OR LI160[tiab] OR WS5572[tiab] OR WS5573[tiab] OR LoHyp-57[tiab]	2688
#23	Search "s adenosyl l methionine"[tiab] OR "s adenosylmethionine"[tiab] OR "S-Adenosylmethionine"[Mesh]	9025
#24	Search "Fatty Acids, Omega-3"[Mesh] OR (omega 3[tiab] AND fatty acid*[tiab]) OR fish oil[tiab] OR flax seed[tiab] OR borage seed[tiab] OR Borago[tiab] OR evening primrose[tiab] OR Oenothera[tiab] OR eicosapentaenoic acid[tiab] OR PUFA[tiab]	29253
#25	Search "Acupuncture"[Mesh] OR "Acupuncture Therapy"[Mesh] OR Acupuncture[tiab] OR Electroacupuncture[tiab]	21423
#26	Search "Yoga"[Mesh] OR yoga[tiab]	2633
#27	Search "Meditation"[Mesh] OR meditation[tiab] OR mindfulness[tiab]	4674
#28	Search "Exercise"[Mesh] OR physical activit*[tiab] OR "physical exercise"[tiab]	169750
#29	Search #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28	237070
#30	Search "Depressive Disorder, Major"[MeSH] OR "major depressive disorder"[tiab] OR "major depression"[tiab]	37436
#31	Search (#30 AND #18)	5363
#32	Search (#30 AND #21)	3258
#33	Search (#30 AND #29)	808
#34	Search (#31 OR #32 OR #33)	8749
#35	Search (systematic*[tiab] AND (bibliographic*[tiab] OR literature[tiab] OR review[tiab])	265837

Search	Query	Items found
	OR reviewed[tiab] OR reviews[tiab])) OR (comprehensive*[tiab] AND (bibliographic*[tiab] OR literature[tiab])) OR "research synthesis"[tiab] OR "research integration"[tiab] OR meta-analy*[tiab] OR metaanaly*[tiab] OR "meta-analysis as topic"[mh] OR "Meta-Analysis"[pt] OR ("review"[tiab] AND ("rationale"[tiab] OR "evidence"[tiab]) AND review[pt]) OR "Systematic Review"[tiab] OR ("Review"[Publication Type] AND "systematic"[tiab])	
#36	Search ("Randomized Controlled Trial"[Publication Type] OR "Randomized Controlled Trials as Topic"[MeSH] OR "Randomized Controlled Trial"[tiab] OR "Single-Blind Method"[MeSH] OR "Double-Blind Method"[MeSH] OR "Random Allocation"[MeSH])	565406
#37	Search (("cohort studies"[MeSH] OR cohort stud*[tiab] OR cohort analy*[tiab] OR "Case-Control Studies"[Mesh] OR case control stud*[tiab] OR observational stud*[tiab] OR "observational study"[pt] OR ((longitudinal[tiab] OR retrospective[tiab] OR prospective[tiab]) AND (study[tiab] OR trial[tiab]))) AND ("Comparative Study"[pt] OR comparison[tiab] OR comparative[tiab]))	363532
#38	Search ("Controlled Clinical Trial"[pt] OR "Controlled Clinical Trials as Topic"[Mesh] OR controlled clinical trial*[tiab] OR controlled trial*[tiab] OR controlled stud*[tiab])	334900
#39	Search (#34 AND (#35 OR #36 OR #37 OR #38))	4018
#40	Search "Animals"[Mesh] NOT "Humans"[Mesh]	3963556
#41	Search (#39 NOT #40)	4011
#42	Search ("Infant"[Mesh] OR "Child"[Mesh] OR "Adolescent"[Mesh]) NOT "Adult"[Mesh]	1523966
#43	Search (#41 NOT #42)	3767
#44	Search #43 AND 2014:2015[dp] AND (english[la] OR german[la] OR italian[la])	202

Cochrane Library 12 January 2015

ID	Search	Hits
#1	[mh Bupropion] or Bupropion:ti,ab	990
#2	[mh Citalopram] or Citalopram:ti,ab	1238
#3	Escitalopram:ti,ab	655
#4	Desvenlafaxine:ti,ab	83
#5	[mh Fluoxetine] or Fluoxetine:ti,ab	2423
#6	[mh Fluvoxamine] or Fluvoxamine:ti,ab	693
#7	Levomilnacipran:ti,ab	15
#8	mirtazapine:ti,ab	457
#9	nefazodone:ti,ab	194
#10	[mh Paroxetine] or Paroxetine:ti,ab	1814
#11	[mh Sertraline] or sertraline:ti,ab	1415
#12	[mh Trazodone] or Trazodone:ti,ab	342
#13	venlafaxine:ti,ab	1030
#14	vilazodone:ti,ab	26
#15	vortioxetine:ti,ab	18
#16	duloxetine:ti,ab	541
#17	[mh "Antidepressive Agents, Second-Generation"]	1236
#18	[†] #17	9842
#19	[mh Psychotherapy] or psychotherap*:ti,ab	17633
#20	(Acceptance near/2 Commitment next Therap*):ti,ab or (Cognitive near/2 Therap*):ti,ab or ((interpersonal or psychodynamic or behavioral) next therap*):ti,ab	5514
#21	#19 or #20	20047
#22	[mh yoga] or yoga:ti,ab	856
#23	[mh meditation] or (meditation or mindfulness):ti,ab	1296
#24	[mh Acupuncture] or [mh "Acupuncture Therapy"] or (Acupuncture or Electroacupuncture):ti,ab	7617
#25	[mh Hypericum] or "Hypericum":ti,ab or (john* next wort):ti,ab or (L160 or WS5572 or WS5573 or LoHyp-57):ti,ab	302
#26	("s adenosyl l methionine" or "s adenosylmethionine"):ti,ab or [mh S-Adenosylmethionine]	202
#27	[mh "fatty Acids, Omega-3"] or (omega-3 and fatty next acid*):ti,ab or ("fish oil" or "flax	3983

ID	Search	Hits
	seed" or "borage seed" or Borago or "evening primrose" or Oenothera or "eicosapentaenoic acid" or PUFA):ti,ab	
#28	[mh Exercise] or (physical next (activit* or exercise)):ti,ab	19836
#29	{or #22-#28}	33596
#30	[mh "Depressive Disorder, Major"] or "major depressive disorder":ti,ab or (major next/1 depress*):ti,ab	6816
#31	#30 and (#18 or #21 or #29)	3847
#32	#31 Publication Year from 2014	119
#33	[mh animals] not [mh humans]	5683
#34	#32 not #33	119
#35	([mh infant] or [mh child] or [mh adolescent]) not [mh adult]	88719
#36	#34 not #35	119

Embase (embase.com) 13 January 2015

No.	Query	Results
#1	'amfebutamone'/exp OR bupropion:tn,ab,ti OR '34911 55 2':rn	14498
#2	'citalopram'/exp OR citalopram:tn,ab,ti OR '59729 33 8':rn	18173
#3	'escitalopram'/exp OR escitalopram:tn,ab,ti OR '128196 01 0':rn	7453
#4	'desvenlafaxine'/exp OR desvenlafaxine:tn,ab,ti OR '93413 62 8':rn	926
#5	'fluoxetine'/exp OR fluoxetine:tn,ab,ti OR '54910 89 3':rn	38642
#6	'fluvoxamine'/exp OR fluvoxamine:tn,ab,ti OR '54739 18 3':rn	11640
#7	'milnacipran'/exp OR levomilnacipran:tn,ab,ti OR '96847 54 0':rn	2006
#8	'mirtazapine'/exp OR mirtazapine:tn,ab,ti OR '85650 52 8':rn	9260
#9	'nefazodone'/exp OR nefazodone:tn,ab,ti OR '82752 99 6':rn	4885
#10	'paroxetine'/exp OR paroxetine:tn,ab,ti OR '61869 08 7':rn	23598
#11	'sertraline'/exp OR sertraline:tn,ab,ti OR '79617 96 2':rn	20413
#12	'trazodone'/exp OR trazodone:tn,ab,ti OR '19794 93 5':rn	10064
#13	'venlafaxine'/exp OR venlafaxine:tn,ab,ti OR '93413 69 5':rn	16550
#14	'vilazodone'/exp OR vilazodone:tn,ab,ti OR '163521 12 8':rn	264
#15	'vortioxetine'/exp OR vortioxetine:tn,ab,ti OR '508233 74 7':rn	231
#16	'duloxetine'/exp OR '116539 59 4':rn OR duloxetine:tn,ab,ti	7135
#17	'antidepressant agent'/exp AND 'second generation':ab,ti OR (antidep* NEAR/2 'second generation'):ab,ti	1393
#18	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17	93111
#19	'psychotherapy'/exp	193315
#20	((acceptance OR cognitive OR interpersonal OR psychodynamic OR behavioral) NEXT/3 (therapy OR therapies OR psychotherapy)):ab,ti	21899
#21	#19 OR #20	195814
#22	'hypericum'/exp OR hypericum:ab,ti OR (john* NEXT/1 wort):ab,ti OR li160:ab,ti OR ws5572:ab,ti OR ws5573:ab,ti OR 'lohyp 57':ab,ti	4330
#23	's adenosylmethionine'/exp OR 's adenosylmethionine' OR 's adenosyl I methionine':ab,ti OR 's adenosylmethionine':ab,ti	10883
#24	'omega 3 fatty acid'/exp OR ('omega 3':ab,ti AND acid*:ab,ti) OR 'fish oil':ab,ti OR 'flax seed':ab,ti OR 'borage seed':ab,ti OR borago:ab,ti OR 'evening primrose':ab,ti OR oenothera:ab,ti OR 'eicosapentaenoic acid':ab,ti OR pufa:ab,ti	35965
#25	'acupuncture'/exp OR acupuncture:ab,ti OR electroacupuncture:ab,ti	34890
#26	'yoga'/exp OR yoga:ab,ti	4566
#27	'meditation'/exp OR meditation:ab,ti OR mindfulness:ab,ti	7307
#28	'exercise'/exp OR (physical NEXT/2 (activit* OR exercis*)):ab,ti	284231
#29	#22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28	374358
#30	'major depression'/exp OR 'major depressive disorder':ab,ti OR (major NEXT/2 depress*):ab,ti	55229
#31	#18 AND #30	12883
#32	#21 AND #30	5686

No.	Query	Results
#33	#29 AND #30	1555
#34	#31 OR #32 OR #33	17290
#35	'systematic review'/exp OR 'meta analysis'/exp OR 'systematic review':ab,ti OR (meta NEXT/1 analy*):ab,ti OR metaanaly*':ab,ti OR (review:it AND systematic:ab,ti) OR (systematic:ab,ti AND (bibliographic:ab,ti OR literature:ab,ti OR review:ab,ti OR reviewed:ab,ti OR reviews:ab,ti)) OR 'research synthesis':ab,ti OR 'research integration':ab,ti OR (comprehensive*':ab,ti AND (bibliographic:ab,ti OR literature:ab,ti)) OR (review:it AND review:ab,ti AND (rationale:ab,ti OR evidence:ab,ti))	312865
#36	'randomized controlled trial'/exp OR (randomi?ed NEXT/1 'controlled trial'):ab,ti OR 'double blind procedure'/exp OR 'single blind procedure'/exp OR 'randomization'/exp OR 'random allocation':ab,ti OR (allocated NEXT/2 random*):ab,ti	460334
#37	'cohort analysis'/exp OR 'case control study'/exp OR 'observational study'/exp OR 'longitudinal study'/exp OR 'prospective study'/exp OR 'retrospective study'/exp OR (cohort NEXT/1 (stud* OR analy*)):ab,ti OR (observational OR 'case control') NEXT/1 stud* OR ((longitudinal OR retrospective OR prospective) NEXT/2 (trial OR study)):ab,ti AND ('comparative study'/exp OR comparative:ab,ti OR comparison:ab,ti)	160923
#38	'controlled clinical trial'/exp OR (controlled NEXT/2 (trial* OR stud*)):ab,ti	618207
#39	#35 OR #36 OR #37 OR #38	1077437
#40	#34 AND #39	5782
#41	'animal'/exp NOT 'human'/exp	4405184
#42	#40 NOT #41	5779
#43	'groups by age'/exp NOT 'adult'/exp	5494792
#44	#42 NOT #43	2942
#45	#44 AND [2014-2015]/py	205
#46	#45 AND [english]/lim	204
#47	#45 AND (german:la OR italian:la)	0
#48	#46 OR #47	204
#49	#48 AND [embase]/lim	198

CINAHL Plus (Ebsco) 13 January 2015

#	Query	Results
S1	(MH "Bupropion") OR "Bupropion"	1,448
S2	(MH "Citalopram") OR "Citalopram"	1,094
S3	Escitalopram	397
S4	(MH "Desvenlafaxine Succinate") OR Desvenlafaxine	97
S5	(MH "Fluoxetine+") OR "Fluoxetine"	1,534
S6	(MH "Fluvoxamine Maleate") OR "Fluvoxamine"	207
S7	"Levomilnacipran"	11
S8	(MH "Mirtazapine") OR "mirtazapine"	363
S9	(MH "Nefazodone") OR "nefazodone"	82
S10	(MH "Paroxetine") OR "Paroxetine"	1,03
S11	(MH "Sertraline Hydrochloride") OR "Sertraline"	927
S12	(MH "Trazodone") OR "Trazodone"	234
S13	(MH "Venlafaxine+") OR "venlafaxine"	876
S14	"vilazodone"	25
S15	"vortioxetine"	17
S16	(MH "Duloxetine Hydrochloride") OR (TX Duloxetine)	1,305
S17	(MH "Antidepressive Agents, Second Generation+")	3,975
S18	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17	7,776
S19	(MH "Psychotherapy+") OR (TI psychotherap*) OR (AB psychotherap*)	117,68
S20	TI (("Acceptance and Commitment" OR cognitive OR behavioral OR psychodynamic OR interpersonal) N2 therap*) OR AB (("Acceptance and Commitment" OR cognitive OR behavioral OR psychodynamic OR interpersonal) N2 therap*)	6,208
S21	S19 OR S20	119,031
S22	(MH "Yoga+") OR (TI yoga) OR (AB yoga)	4,665

#	Query	Results
S23	(MH "Meditation") OR (TI (meditation OR mindfulness)) OR (AB (meditation OR mindfulness))	4,231
S24	(MH "St. John's Wort") OR "hypericum" OR (TI john* N2 wort) OR (AB john* N2 wort) OR (TI (LI160 OR WS5572 OR WS5573 OR LoHyp-57)) OR (AB (LI160 OR WS5572 OR WS5573 OR LoHyp-57))	1,145
S25	(MH "Fatty Acids, Omega-3+") OR (TI "omega 3" N1 fatty acid*) OR (AB "omega 3" N1 fatty acid*) OR (TI ("fish oil" OR "flax seed" OR "borage seed" OR Borago OR "evening primrose" OR Oenothera OR "eicosapentaenoic acid" OR PUFA)) OR (AB ("fish oil" OR "flax seed" OR "borage seed" OR Borago OR "evening primrose" OR Oenothera OR "eicosapentaenoic acid" OR PUFA))	7,684
S26	(MH "S-Adenosylmethionine") OR (TI ("s adenosyl l methionine" OR "s adenosylmethionine")) OR (AB ("s adenosyl l methionine" OR "s adenosylmethionine"))	291
S27	(MH "Acupuncture+") OR (TI (acupuncture OR electroacupuncture)) OR (AB (acupuncture OR electroacupuncture))	11,43
S28	(MH "Exercise+") OR TI (physical N1 (activit* OR exercise)) OR AB (physical N1 (activit* OR exercise))	85,935
S29	S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28	112,416
S30	(MH "Depression") AND (TX major N2 depress*)	8,569
S31	TI (major N2 depress* OR "major depressive disorder") OR AB (major N2 depress* OR "major depressive disorder")	6,57
S32	S30 OR S31	9,83
S33	S18 AND S32	1,091
S34	S21 AND S32	1,482
S35	S29 AND S32	462
S36	S33 OR S34 OR S35	2,742
S37	(MH "Animals") NOT (MH "Human")	51,653
S38	S36 NOT S37	2,737
S39	((MH "Infant") OR (MH "Child") OR (MH "Adolescence")) NOT (MH "Adult+")	315,299
S40	S38 NOT S39	2,525
S41	S40 AND (LA (english OR german OR italian))	2,513
S42	S41 AND (PY 2014-2015)	136
S43	S42 NOT (PT (editorial OR letter OR commentary OR "case study"))	131

AMED (Ovid) 13 January 2015

#	Suchen	Ergebnisse
1	exp antidepressive agents/	281
2	Bupropion.mp.	15
3	Citalopram.mp.	9
4	Escitalopram.mp.	3
5	(Desvenlafaxine or O-desmethylvenlafaxine).mp.	0
6	(Fluoxetine or Fluvoxamine).mp.	56
7	Levomilnacipran.mp.	0
8	mirtazapine.mp.	6
9	(nefazodone or Paroxetine or Sertraline or Trazodone or venlafaxine or vilazodone or vortioxetine or duloxetine).mp.	91
10	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9	393
11	exp psychotherapy/	8680
12	((acceptance or cognitive or interpersonal or psychodynamic or behavioral) adj3 (therap\$ or psychotherap\$)).mp.	1443
13	11 or 12	9045
14	exp fatty acids/ or exp fish oils/ or (omega 3 and acid*).mp. or (flax seed or borage seed or Borago or evening primrose or Oenothera or eicosapentaenoic acid or PUFA).mp.	666
15	exp hypericum/ or (hypericum or (john\$ adj1 wort)).mp. or (LI160 or WS5572 or WS5573 or LoHyp-57).mp.	420
16	(S-Adenosylmethionine or s adenosyl l methionine).mp.	21
17	exp acupuncture/ or exp electroacupuncture/ or (acupuncture or	9406

#	Suchen	Ergebnisse
	electroacupuncture).mp.	
18	exp meditation/ or (meditation or mindfulness).mp.	678
19	exp Yoga/ or yoga.mp.	521
20	(physical adj1 (activit* or exercise)).mp. or exp Exercise/	10153
21	14 or 15 or 16 or 17 or 18 or 19 or 20	21568
22	exp depressive disorder/	997
23	((major adj2 depress\$) or major depressive disorder).mp.	360
24	22 or 23	1235
25	10 or 13 or 21	30590
26	24 and 25	306
27	exp animals/ not exp humans/	7987
28	26 not 27	287
29	(exp infant/ or exp child/ or exp adolescent/) not exp adult/	15990
30	28 not 29	272
31	limit 30 to yr="2014 -Current"	10

PsycINFO (Ebsco) 13 January 2015

#	Query	Results
S1	DE "Bupropion" OR TI Bupropion OR AB Bupropion	1,739
S2	DE "Citalopram" OR TI Citalopram OR AB Citalopram	2,213
S3	TX Escitalopram	1
S4	TX Desvenlafaxine	94
S5	DE "Fluoxetine" OR TI Fluoxetine OR AB Fluoxetine	5,746
S6	DE "Fluvoxamine" OR TI Fluvoxamine OR AB Fluvoxamine	1,479
S7	TX Levomilnacipran	11
S8	TX mirtazapine	995
S9	DE "Nefazodone" OR TI nefazodone OR AB nefazodone	457
S10	DE "Paroxetine" OR TI Paroxetine OR AB Paroxetine	2,924
S11	DE "Sertraline" OR TI Sertraline OR AB Sertraline	2,316
S12	DE "Trazodone" OR TI Trazodone OR AB Trazodone	784
S13	DE "Venlafaxine" OR TI venlafaxine OR AB venlafaxine	1,957
S14	TX vilazodone	23
S15	TX vortioxetine	24
S16	TX duloxetine	768
S17	DE "antidepressant drugs" AND TX (second generation)	155
S18	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17	16,934
S19	(DE "acceptance and commitment therapy") or ((DE "cognitive therapy") or (DE "behavior therapy")) OR (DE psychotherapy)	66,057
S20	TI ((acceptance and commitment therap*) OR (cognitive N2 therap*) OR (behavior* therap) OR (interpersonal therap*) OR (psychodynamic therap*)) OR AB ((acceptance and commitment therap*) OR (cognitive N2 therap*) OR (behavior* therap) OR (interpersonal therap*) OR (psychodynamic therap*))	25,883
S21	S19 OR S20	81,679
S22	(DE acupuncture) OR TI ((acupuncture OR electroacupuncture)) OR AB ((acupuncture OR electroacupuncture))	1,682
S23	(DE meditation) OR TI ((meditation OR mindfulness)) OR AB ((meditation OR mindfulness))	9,174
S24	(DE hypericum perforatum) OR TI ((hypericum OR (john* N1 wort) OR LI160 OR WS5572 OR WS5573 LoHyp-57)) OR AB ((hypericum OR (john* N1 wort) OR LI160 OR WS5572 OR WS5573 LoHyp-57))	399
S25	DE yoga) OR TI yoga OR AB yoga	1,72
S26	TX ((omega-3 N1 fatty acid*) OR "fish oil" OR "flax seed" OR "borage seed" OR Borago OR "evening primrose" OR Oenothera OR "eicosapentaenoic acid" OR PUFA)	1,06
S27	TX ("s adenosyl l methionine" OR "s adenosylmethionine")	218

#	Query	Results
S28	DE exercise OR TI (physical W1 (activit* OR exercis*)) OR AB (physical W1 (activit* OR exercis*))	31,426
S29	S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28	44,488
S30	DE ("major depressive disorder" OR "Major Depression") OR TI ("major depressive disorder" OR (Major N2 Depress*)) OR AB ("major depressive disorder" OR (Major N2 Depress*))	99,261
S31	S18 AND S30	7,216
S32	S21 AND S30	6,383
S33	S29 AND S30	2,047
S34	S31 OR S32 OR S33	14,918
S35	TI (controlled N2 (trial OR study)) OR AB (controlled N2 (trial OR study))	39,02
S36	TI (randomi*ed controlled trial) OR AB (randomi*ed controlled trial) OR TI (random* N4 (trial OR study)) OR AB (random* N4 (trial OR study))	43,179
S37	TI ("double-blind" OR (random* assigned) OR "single-blind") OR AB ("double-blind" OR (random* assigned) OR "single-blind")	45,025
S38	TI (systematic N3 (bibliographic OR literature OR review# OR reviewed)) OR AB (systematic N3 (bibliographic OR literature OR review# OR reviewed)) OR (comprehensive N3 (bibliographic OR literature)) OR ((TI "research integration") OR (AB "research integration")) OR ((TI "research synthesis") Or (AB "research synthesis")) OR ((TI metaanaly* OR meta-analy*) OR (AB metaanaly* OR meta-analy*)) OR (MR ("systematic review" OR "meta analysis"))	35,443
S39	((MR "longitudinal study" OR "retrospective study" OR "prospective study") OR (DE "cohort analysis") OR TI ((cohort N1 (analy* OR stud*)) OR ((observational OR "case control") N1 stud*) OR ((longitudinal OR retrospective OR prospective) N2 (trial OR study))) OR AB ((cohort N1 (analy* OR stud*)) OR ((observational OR "case control") N1 stud*) OR ((longitudinal OR retrospective OR prospective) N2 (trial OR study)))) AND (TI (comparative OR comparison) OR AB (comparative OR comparison))	11,52
S40	S35 OR S36 OR S37 OR S38 OR S39	127,772
S41	S34 AND S40	4,196
S42	((ZZ "comment/reply") or (ZZ "editorial") or (ZZ "letter"))	150,398
S43	S41 NOT S42	3,957
S44	((ZP "animal")) not ((ZP "human"))	289,185
S45	S43 NOT S44	3,947
S46	((((ZG "childhood (birth-12 yrs)" or (ZG "infancy (2-23 mo)")) or ((ZG "adolescence (13-17 yrs)")))) not ((ZG "adulthood (18 yrs & older)"))	411,03
S47	S45 NOT S46	3,746
S48	LA (english OR german OR italian)	3,603,958
S49	S47 AND S48	3,619
S50	PY 2014-2015	155,082
S51	S49 AND S50	257

Grey Literature Search

ClinicalTrials.gov 04.06.2014

41 studies found for:

("major depressive disorder" OR "major depression") AND Bupropion Adult, Senior Phase 2, 3, 4

170 studies found for:

("major depressive disorder" OR "major depression") AND Citalopram Adult, Senior Phase 2, 3, 4

170 studies found for:

("major depressive disorder" OR "major depression") AND Escitalopram Adult, Senior Phase 2, 3, 4

35 studies found for:

("major depressive disorder" OR "major depression") AND Desvenlafaxine Adult, Senior Phase 2, 3, 4

45 studies found for:

("major depressive disorder" OR "major depression") AND Fluoxetine Adult, Senior Phase 2, 3, 4

6 studies found for:

("major depressive disorder" OR "major depression") AND Fluvoxamine Adult, Senior Phase 2, 3, 4

7 studies found for:

("major depressive disorder" OR "major depression") AND Levomilnacipran Adult, Senior Phase 2, 3, 4

21 studies found for:

("major depressive disorder" OR "major depression") AND mirtazapine Adult, Senior Phase 2, 3, 4

Found no studies with search of: ("major depressive disorder" OR "major depression") AND nefazodone Adult, Senior Phase 2, 3, 4

61 studies found for:

("major depressive disorder" OR "major depression") AND Paroxetine Adult, Senior Phase 2, 3, 4

66 studies found for:

("major depressive disorder" OR "major depression") AND Sertraline Adult, Senior Phase 2, 3, 4

4 studies found for:

("major depressive disorder" OR "major depression") AND Trazodone Adult, Senior Phase 2, 3, 4

66 studies found for:

("major depressive disorder" OR "major depression") AND venlafaxine Adult, Senior Phase 2, 3, 4

13 studies found for:

("major depressive disorder" OR "major depression") AND vilazodone Adult, Senior Phase 2, 3, 4

24 studies found for:

("major depressive disorder" OR "major depression") AND vortioxetine Adult, Senior Phase 2, 3, 4

74 studies found for:

("major depressive disorder" OR "major depression") AND duloxetine Adult, Senior Phase 2, 3, 4

ICTRP 04.06.2014

342 records for 243 trials found for: major depress* AND antidepress*

Drugs@FDA 02.06.2014

Levomilnacipran:

http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm?fuseaction=Search.Set_Current_Drug&Applicant=FOREST%20LABS%20INC&ProductMktStatus=1&goto=Search.DrugDetails

Vilazodone:

http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm?fuseaction=Search.Set_Current_Drug&Applicant=FOREST%20LABS%20INC&ProductMktStatus=1&goto=Search.DrugDetails

Vortioxetine:

http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm?fuseaction=Search.Set_Current_Drug&Applicant=TAKEDA%20PHARMS%20USA&ProductMktStatus=1&goto=Search.DrugDetails

European Medicines Agency 02.06.2014

Levomilnacipran: 0

Vilazodone: 0

Vortioxetine:

http://www.ema.europa.eu:80/ema/index.jsp?curl=pages/medicines/human/medicines/002717/human_med_001714.jsp&mid=WC0b01ac058001d124

National Institute of Mental Health website 11.06.2014

Search Terms: "major depression", "major depressive disorder"

American Psychological Association 11.06.2014

Search terms, "major depressive disorder", major depression"

Scopus 16.06.2014

(TITLE-ABS-KEY({major depressive disorder} OR {major depression}) OR KEY({disorder, major depressive})) AND (TITLE-ABS-KEY((bupropion OR citalopram OR escitalopram OR desvenlafaxine OR fluoxetine OR fluvoxamine OR levomilnacipran OR mirtazapine OR nefazodone OR paroxetine OR sertraline OR trazodone OR venlafaxine OR vilazodone OR vortioxetine OR duloxetine) OR ("Acceptance and Commitment Therapy" OR "Cognitive Therapy" OR "Cognitive behavioral Therapy" OR "interpersonal therapy" OR "psychodynamic therapy" OR "behavioral therapy") OR (hypericum OR "St. Johns Wort" OR "Saint Johns Wort" OR "St. John's Wort" OR "Saint John's Wort") OR ("s adenosyl l methionine" OR "S-Adenosylmethionine") OR ("omega 3") OR (acupuncture OR electroacupuncture) OR (yoga OR meditation OR mindfulness) OR ("physical activity" OR "physical exercise")) OR KEY(psychotherapy)) AND (TITLE-ABS-KEY(adult*)) AND (DOCTYPE(cp))

162 document results

Web of Science Conference Proceedings Citation Index- Science 16.06 2014

Set	Results	Search
# 1	3,944	Indexes=CPCI-S Timespan=All years TOPIC: ("major depressive disorder" OR "major depression")
# 2	4,014	Indexes=CPCI-S Timespan=All years TOPIC: (bupropion OR citalopram OR escitalopram OR desvenlafaxine OR fluoxetine OR fluvoxamine OR levomilnacipran OR mirtazapine OR nefazodone OR paroxetine OR sertraline OR trazodone OR venlafaxine OR vilazodone OR vortioxetine OR duloxetine)
# 3	628	Indexes=CPCI-S Timespan=1990-2014 TOPIC: ("Acceptance and Commitment Therapy" OR "Cognitive Therapy" OR "Cognitive behavioral Therapy" OR "interpersonal therapy" OR "psychodynamic therapy" OR "behavioral therapy")
# 4	404	Indexes=CPCI-S Timespan=1990-2014 TOPIC: (hypericum OR "St. Johns Wort" OR "Saint Johns Wort" OR "St. John's Wort" OR "Saint John's Wort")
# 5	456	Indexes=CPCI-S Timespan=1990-2014 TOPIC: ("s adenosyl l methionine" OR "S-Adenosylmethionine")
# 6	1,749	Indexes=CPCI-S Timespan=1990-2014 TOPIC: ("omega 3")
# 7	1,068	Indexes=CPCI-S Timespan=1990-2014 TOPIC: (acupuncture OR electroacupuncture)
# 8	517	Indexes=CPCI-S Timespan=1990-2014 TOPIC: (yoga OR meditation OR mindfulness)
# 9	6,836	Indexes=CPCI-S Timespan=1990-2014 TOPIC: ("physical activity" OR "physical exercise")
# 10	15,492	Indexes=CPCI-S Timespan=1990-2014 #9 OR #8 OR #7 OR #6 OR #5 OR #4 OR #3 OR #2
# 11	874	Indexes=CPCI-S Timespan=1990-2014 #10 AND #1

		Indexes=CPCI-S Timespan=1990-2014
		Refined by: TOPIC: (adult*)
# 12	55	#10 AND #1

APPENDIX B: RISK OF BIAS ASSESSMENTS

Author, Year Trial Name	Randomi- zation method adequate?	Allocation concealment adequate?	Groups similar at baseline?	Outcome asse- ssors masked?	Care providers masked?	Patients masked?	High overall (i.e., ≥20%) attrition?	High differential (i.e., ≥15%) attrition?	Use Intention- to-treat analyses?	Appropriate method of handling dropouts in analyses used?	Could selective reporting of outcomes be an issue?	Risk of Bias
David et al., 2008	NR	NR	Yes	Yes	No	No	No	No	Yes	Yes	No	Medium
Sava et al., 2009												
DeRubeis et al., 2005	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No	Medium ^a
Leykin et al., 2007												
Dimidjian et al., 2006	Yes	NR	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	Medium
Hegerl et al., 2010	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Medium ^a
Kennedy et al., 2007	NR	NR	No	NR	No	No	Yes	No	No	NR	No	High
Lam et al., 2013	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Low
McGrath et al., 2013	Yes	Yes	No	Yes	No	No	Yes	No	No	NR	No	High
Mynors-Wallis et al., 2000	Unclear	Unclear	Yes	Yes	No	No	Yes	Yes	Unclear	Unclear	Yes	Medium
Segal et al., 2006	NR	NR	Yes	NR	No	No	Yes	Yes	No	NR	No	High
Shamsaei et al., 2008	Yes	NR	Yes	No	No	No	NR	NR	NR	NR	No	High
WECare Miranda et al., 2003	Yes	Yes	Yes	Yes	No	No	Unclear	No	Yes	Yes	No	Medium

^a Study rated high risk of bias for change in HAM-D outcome.