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**eAppendix 1. Prisma NMA Item Checklist**

|  |  |  |  |
| --- | --- | --- | --- |
| **Section/Topic** | **Item #** | **Checklist Item** | **Reported on Page #** |
| **TITLE** |  |  |  |
| Title | 1 | Identify the report as a systematic review *incorporating a network meta-analysis (or related form of meta-analysis).* | ***1*** |
|  |  |  |  |
| **ABSTRACT** |  |  |  |
| Structured summary | 2 | Provide a structured summary including, as applicable:  **Background:** main objectives  **Methods:** data sources; study eligibility criteria, participants, and interventions; study appraisal; and *synthesis methods, such as network meta-analysis.*  **Results:** number of studies and participants identified; summary estimates with corresponding confidence/credible intervals; *treatment rankings may also be discussed. Authors may choose to summarize pairwise comparisons against a chosen treatment included in their analyses for brevity.*  **Discussion/Conclusions:** limitations; conclusions and implications of findings.  **Other:** primary source of funding; systematic review registration number with registry name. | 2 |
|  |  |  |  |
| **INTRODUCTION** |  |  |  |
| Rationale | 3 | Describe the rationale for the review in the context of what is already known*, including mention of why a network meta-analysis has been conducted.* | ***6*** |
| Objectives | 4 | Provide an explicit statement of questions being addressed, with reference to participants, interventions, comparisons, outcomes, and study design (PICOS). | 6 |
|  |  |  |  |
| **METHODS** |  |  |  |
| Protocol and registration | 5 | Indicate whether a review protocol exists and if and where it can be accessed (e.g., Web address); and, if available, provide registration information, including registration number. | 7 |
| Eligibility criteria | 6 | Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale. *Clearly describe eligible treatments included in the treatment network, and note whether any have been clustered or merged into the same node (with justification).* | ***7*** |
| Information sources | 7 | Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched. | 7 |
| Search | 8 | Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated. | 7 |
| Study selection | 9 | State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis). | 7 |
| Data collection process | 10 | Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators. | 9 |
| Data items | 11 | List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made. | 9 |
| **Geometry of the network** | **S1** | Describe methods used to explore the geometry of the treatment network under study and potential biases related to it. This should include how the evidence base has been graphically summarized for presentation, and what characteristics were compiled and used to describe the evidence base to readers. | ***6*** |
| Risk of bias within individual studies | 12 | Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis. | 10 |
| Summary measures | 13 | State the principal summary measures (e.g., risk ratio, difference in means). *Also describe the use of additional summary measures assessed, such as treatment rankings and surface under the cumulative ranking curve (SUCRA) values, as well as modified approaches used to present summary findings from meta-analyses.* | 10 |
| Planned methods of analysis | 14 | Describe the methods of handling data and combining results of studies for each network meta-analysis. This should include, but not be limited to:   * *Handling of multi-arm trials;* * *Selection of variance structure;* * *Selection of prior distributions in Bayesian analyses; and* * *Assessment of model fit.* | 11 |
| **Assessment of Inconsistency** | **S2** | Describe the statistical methods used to evaluate the agreement of direct and indirect evidence in the treatment network(s) studied. Describe efforts taken to address its presence when found. | 11 |
| Risk of bias across studies | 15 | Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies). | **10** |
| Additional analyses | 16 | Describe methods of additional analyses if done, indicating which were pre-specified. This may include, but not be limited to, the following:   * Sensitivity or subgroup analyses; * Meta-regression analyses; * *Alternative formulations of the treatment network; and* * *Use of alternative prior distributions for Bayesian analyses (if applicable).* | ***11*** |
|  |  |  |  |
| **RESULTS†** |  |  |  |
| Study selection | 17 | Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram. | 12 |
| **Presentation of network structure** | **S3** | Provide a network graph of the included studies to enable visualization of the geometry of the treatment network. | ***12*** |
| **Summary of network geometry** | **S4** | Provide a brief overview of characteristics of the treatment network. This may include commentary on the abundance of trials and randomized patients for the different interventions and pairwise comparisons in the network, gaps of evidence in the treatment network, and potential biases reflected by the network structure. | ***12*** |
| Study characteristics | 18 | For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations. | 12 |
| Risk of bias within studies | 19 | Present data on risk of bias of each study and, if available, any outcome level assessment. | 14 |
| Results of individual studies | 20 | For all outcomes considered (benefits or harms), present, for each study: 1) simple summary data for each intervention group, and 2) effect estimates and confidence intervals. *Modified approaches may be needed to deal with information from larger networks.* | ***Appendix 3*** |
| Synthesis of results | 21 | Present results of each meta-analysis done, including confidence/credible intervals. *In larger networks, authors may focus on comparisons versus a particular comparator (e.g. placebo or standard care), with full findings presented in an appendix. League tables and forest plots may be considered to summarize pairwise comparisons.* If additional summary measures were explored (such as treatment rankings), these should also be presented. | 14 |
| **Exploration for inconsistency** | **S5** | Describe results from investigations of inconsistency. This may include such information as measures of model fit to compare consistency and inconsistency models, *P* values from statistical tests, or summary of inconsistency estimates from different parts of the treatment network. | ***15*** |
| Risk of bias across studies | 22 | Present results of any assessment of risk of bias across studies for the evidence base being studied. | 14 |
| Results of additional analyses | 23 | Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression analyses*, alternative network geometries studied, alternative choice of prior distributions for Bayesian analyses,* and so forth). | ***15*** |
|  |  |  |  |
| **DISCUSSION** |  |  |  |
| Summary of evidence | 24 | Summarize the main findings, including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy-makers). | 16 |
| Limitations | 25 | Discuss limitations at study and outcome level (e.g., risk of bias), and at review level (e.g., incomplete retrieval of identified research, reporting bias). *Comment on the validity of the assumptions, such as transitivity and consistency. Comment on any concerns regarding network geometry (e.g., avoidance of certain comparisons).* | 18 |
| Conclusions | 26 | Provide a general interpretation of the results in the context of other evidence, and implications for future research. | 21 |
|  |  |  |  |
| **FUNDING** |  |  | 23 |
| Funding | 27 | Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review. This should also include information regarding whether funding has been received from manufacturers of treatments in the network and/or whether some of the authors are content experts with professional conflicts of interest that could affect use of treatments in the network. |  |

PICOS = population, intervention, comparators, outcomes, study design.

\* Text in italics indicateS wording specific to reporting of network meta-analyses that has been added to guidance from the PRISMA statement.

† Authors may wish to plan for use of appendices to present all relevant information in full detail for items in this section.

**eAppendix 2. Search Strategy**

|  |
| --- |
| **Search Strategies for PubMed (NLM)**  **Last date searched: 3/10/2020** |

**Search 1: Behavioral Activation & Control**

("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) AND ((("control groups"[MeSH Terms] OR (("control"[tw] AND "groups"[tw]) OR (control[tw] AND group[tw]) OR (placebo[tw] AND group[tw]) OR (placebo[tw] AND groups[tw])) OR "control groups"[tiab] OR “control group”[tw] OR “controlled group”[tw] OR “controlled groups”[tw] OR “controls group”[tw] OR “placebo group”[tw] OR placebo[tw] OR “placebo controlled”[tw] OR “standard treatment”[tw] OR “standard treatments”[tw] OR “gold standard”[tw] OR "Placebos"[Mesh] OR placebos[tiab] OR “sham treatment”[tw] OR “sham treatments”[tw]))) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab]))))) NOT (((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])))))))

**Search 2: Exercise & Behavioral Activation**

(("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) AND (("exercise"[MeSH Terms] OR "exercise"[tiab] OR "physical activity"[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR "sports"[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR "resistance training"[tiab] OR "exercise program"[tw] OR "exercise programs"[tw] OR "strength training"[tw] OR "strength train"[tw] OR "weight lifting"[tw] OR "weight lift"[tw] OR "weight bearing exercise"[tw] OR "strengthening program"[tw] OR "strengthening programs"[tw] OR fitness[tw] OR "physical fitness"[MESH] OR "physical fitness"[tiab] OR "walking"[MESH] OR "running"[MESH] OR "jogging"[MESH] OR jogging[tiab]))) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab]))))) NOT (((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])))))))

**Search 3: Exercise & Control**

("exercise"[MeSH Terms] OR "exercise"[tiab] OR “physical activity”[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR “sports”[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR “resistance training”[tiab] OR “exercise program”[tw] OR “exercise programs”[tw] OR “strength training”[tw] OR “strength train”[tw] OR “weight lifting”[tw] OR “weight lift”[tw] OR “weight bearing exercise”[tw] OR “strengthening program”[tw] OR “strengthening programs”[tw] OR fitness[tw] OR “physical fitness”[MESH] OR “physical fitness”[tiab] OR “walking”[MESH] OR “running”[MESH] OR “jogging”[MESH] OR jogging[tiab]) AND ((("control groups"[MeSH Terms] OR (("control"[tw] AND "groups"[tw]) OR (control[tw] AND group[tw]) OR (placebo[tw] AND group[tw]) OR (placebo[tw] AND groups[tw])) OR "control groups"[tiab] OR “control group”[tw] OR “controlled group”[tw] OR “controlled groups”[tw] OR “controls group”[tw] OR “placebo group”[tw] OR placebo[tw] OR “placebo controlled”[tw] OR “standard treatment”[tw] OR “standard treatments”[tw] OR “gold standard”[tw] OR "Placebos"[Mesh] OR placebos[tiab] OR “sham treatment”[tw] OR “sham treatments”[tw]))) AND ((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND (((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab])))) NOT (((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])))))

**Search 4: Exercise & Cognitive Behavioral Therapy (CBT)**

("exercise"[MeSH Terms] OR "exercise"[tiab] OR “physical activity”[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR “sports”[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR “resistance training”[tiab] OR “exercise program”[tw] OR “exercise programs”[tw] OR “strength training”[tw] OR “strength train”[tw] OR “weight lifting”[tw] OR “weight lift”[tw] OR “weight bearing exercise”[tw] OR “strengthening program”[tw] OR “strengthening programs”[tw] OR fitness[tw] OR “physical fitness”[MESH] OR “physical fitness”[tiab] OR “walking”[MESH] OR “running”[MESH] OR “jogging”[MESH] OR jogging[tiab]) AND ("cognitive therapy"[MeSH Terms] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR “cognitive behavior therapy”[tw] OR “cognition”[MESH] OR “cognitive behavior therapy”[tw] OR “cognitive therapies”[tw] OR “cognitive therapies”[tw] OR “cognition therapy”[tw] OR “cognitive psychotherapy”[tw] OR “cognitive psychotherapies”[tw] OR “cognition therapy”[tw] OR “cognitive behaviour therapy”[tw] OR “cognitive behavioural therapies”[tw]) AND ((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading])))

**Search 5: Cognitive Behavioral Therapy (CBT) & Control**

("cognitive therapy"[MeSH Terms] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR "cognitive behavior therapy"[tw] OR "cognition"[MESH] OR "cognitive behavior therapy"[tw] OR "cognitive therapies"[tw] OR "cognitive therapies"[tw] OR "cognition therapy"[tw] OR "cognitive psychotherapy"[tw] OR "cognitive psychotherapies"[tw] OR "cognition therapy"[tw] OR "cognitive behaviour therapy"[tw] OR "cognitive behavioural therapies"[tw]) AND (((("control groups"[MeSH Terms] OR (("control"[tw] AND "groups"[tw]) OR (control[tw] AND group[tw]) OR (placebo[tw] AND group[tw]) OR (placebo[tw] AND groups[tw])) OR "control groups"[tiab] OR "control group"[tw] OR "controlled group"[tw] OR "controlled groups"[tw] OR "controls group"[tw] OR "placebo group"[tw] OR placebo[tw] OR "placebo controlled"[tw] OR "standard treatment"[tw] OR "standard treatments"[tw] OR "gold standard"[tw] OR "Placebos"[Mesh] OR placebos[tiab] OR "sham treatment"[tw] OR "sham treatments"[tw])))) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND (((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab])))))) NOT ((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh]))))))

**Search 6: Cognitive Behavioral Therapy (CBT) & Behavioral Activation**

("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) AND (("cognitive therapy"[MeSH Terms] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR “cognitive behavior therapy”[tw] OR “cognition”[MESH] OR “cognitive behavior therapy”[tw] OR “cognitive therapies”[tw] OR “cognitive therapies”[tw] OR “cognition therapy”[tw] OR “cognitive psychotherapy”[tw] OR “cognitive psychotherapies”[tw] OR “cognition therapy”[tw] OR “cognitive behaviour therapy”[tw] OR “cognitive behavioural therapies”[tw])) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab]))))) NOT (((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])))))))

**Search 7: Supportive Counseling & (behavioral Activation, Cognitive behavioral therapy, & Exercise)**

("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) OR ((("exercise"[MeSH Terms] OR "exercise"[tiab] OR “physical activity”[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR “sports”[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR “resistance training”[tiab] OR “exercise program”[tw] OR “exercise programs”[tw] OR “strength training”[tw] OR “strength train”[tw] OR “weight lifting”[tw] OR “weight lift”[tw] OR “weight bearing exercise”[tw] OR “strengthening program”[tw] OR “strengthening programs”[tw] OR fitness[tw] OR “physical fitness”[MESH] OR “physical fitness”[tiab] OR “walking”[MESH] OR “running”[MESH] OR “jogging”[MESH] OR jogging[tiab]) OR ("cognitive therapy"[MeSH Terms] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR “cognitive behavior therapy”[tw] OR “cognition”[MESH] OR “cognitive behavior therapy”[tw] OR “cognitive therapies”[tw] OR “cognitive therapies”[tw] OR “cognition therapy”[tw] OR “cognitive psychotherapy”[tw] OR “cognitive psychotherapies”[tw] OR “cognition therapy”[tw] OR “cognitive behaviour therapy”[tw] OR “cognitive behavioural therapies”[tw]) OR(“supportive counseling”[tw] OR “supportive counselling”[tw] OR “supportive therapy”[tw] OR “supportive therapies”[tw] OR “person centered therapy”[tw] OR “person centered counseling”[tw] AND (supportive[tw] AND ("counselling"[tw] OR "counseling"[MeSH Terms] OR "counseling"[tiab])) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab]))))) NOT (((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])))))))

|  |
| --- |
| **Search Strategies for Cochrane (Wiley) Database**  **Last date searched: 3/7/18** |

**ID Search Hits**

**#1 [mh "behavior therapy"] or [mh behavior] 79888**

**#2 "behavior therapy":ti,ab,kw or "behavioral therapy":ti,ab,kw or "behavior therapies":ti,ab,kw or "behavioral therapies":ti,ab,kw 11081**

**#3 ACT:ti,ab,kw or "behavioral activation":ti,ab,kw or "behavior activation" or "behavioral activation therapy":ti,ab,kw or BA:ti,ab,kw or "behavioral techniques":ti,ab,kw or BATD:ti,ab,kw or "BATD R":ti,ab,kw or "Brief behavioral activation treatment":ti,ab,kw or "behavioral activity":ti,ab,kw or "behavioral activities":ti,ab,kw or "behaviour therapy":ti,ab,kw or "behaviour therapies":ti,ab,kw or "behavioural therapy":ti,ab,kw or "behavioural therapies":ti,ab,kw or "behavioural activation":ti,ab,kw or "behaviour activation":ti,ab,kw or "behavioural activation therapy":ti,ab,kw or "behaviour techniques":ti,ab,kw or "behavioural activity":ti,ab,kw or "behavioural activities":ti,ab,kw 9440**

**#4 "control groups":ti,ab,kw or "control group":ti,ab,kw or "controlled group":ti,ab,kw or "controlled groups":ti,ab,kw or "controls group":ti,ab,kw or "placebo group":ti,ab,kw or placebo:ti,ab,kw or "placebo controlled":ti,ab,kw or "standard treatment":ti,ab,kw or "standard treatments":ti,ab,kw or "gold standard":ti,ab,kw or placebos:ti,ab or "sham treatment":ti,ab,kw or "sham treatments":ti,ab,kw 306357**

**#5 [mh "control groups"] or [mh Placebos] 23624**

**#6 #1 or #2 or #3 90534**

**#7 #4 or #5 313894**

**#8 #6 and #7 29072**

**#9 [mh "Mental Disorders/therapy"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or [mh "Depressive Disorder, Major/therapy"] or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw 63039**

**#10 #8 and #9 in Trials 6062**

**#11 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome":ti,ab,kw 365181**

**#12 #10 and #11 in Trials 765**

**Exercise & Behavioral Activation & depression (239 Results 3/7/18)**

**ID Search Hits**

**#1 [mh "behavior therapy"] 15048**

**#2 ACT:ti,ab,kw or "behavioral activation":ti,ab,kw or "behavior activation" or "behavioral activation therapy":ti,ab,kw or BA:ti,ab,kw or "behavioral techniques":ti,ab,kw or BATD:ti,ab,kw or "BATD R":ti,ab,kw or "Brief behavioral activation treatment":ti,ab,kw or "behavioral activity":ti,ab,kw or "behavioral activities":ti,ab,kw or "behaviour therapy":ti,ab,kw or "behaviour therapies":ti,ab,kw or "behavioural therapy":ti,ab,kw or "behavioural therapies":ti,ab,kw or "behavioural activation":ti,ab,kw or "behaviour activation":ti,ab,kw or "behavioural activation therapy":ti,ab,kw or "behaviour techniques":ti,ab,kw or "behavioural activity":ti,ab,kw or "behavioural activities":ti,ab,kw 9440**

**#3 #1 or #2 22915**

**#4 [mh "Mental Disorders/therapy"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or [mh "Depressive Disorder, Major/therapy"] or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw 63039**

**#5 #3 and #4 6067**

**#6 ([mh exercise] or exercise:ti,ab or "physical activity":ti,ab,kw or walking:ti,ab or running:ti,ab or sports:ti,ab or [mh sports] or athletics:ti,ab,kw or sport:ti,ab,kw or athletic:ti,ab,kw or gym:ti,ab,kw or [mh "Resistance Training"] or "resistance training":ti,ab or "exercise program":ti,ab,kw or "exercise programs":ti,ab,kw or "strength training":ti,ab,kw or "strength train":ti,ab,kw or "weight lifting":ti,ab,kw or "weight lift":ti,ab,kw or "weight bearing exercise":ti,ab,kw or "strengthening program":ti,ab,kw or "strengthening programs":ti,ab,kw or fitness:ti,ab,kw or [mh "physical fitness"] or "physical fitness":ti,ab or [mh walking] or [mh running] or [mh jogging] or jogging:ti,ab) 74737**

**#7 #5 and #6 389**

**#8 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome":ti,ab,kw 365181**

**#9 #7 and #8 in Trials 239**

**Exercise & Control Group & depression (1,043 Results 3/7/18)**

**ID Search Hits**

**#1 ([mh exercise] or exercise:ti,ab or "physical activity":ti,ab,kw or walking:ti,ab or running:ti,ab or sports:ti,ab or [mh sports] or athletics:ti,ab,kw or sport:ti,ab,kw or athletic:ti,ab,kw or gym:ti,ab,kw or [mh "Resistance Training"] or "resistance training":ti,ab or "exercise program":ti,ab,kw or "exercise programs":ti,ab,kw or "strength training":ti,ab,kw or "strength train":ti,ab,kw or "weight lifting":ti,ab,kw or "weight lift":ti,ab,kw or "weight bearing exercise":ti,ab,kw or "strengthening program":ti,ab,kw or "strengthening programs":ti,ab,kw or fitness:ti,ab,kw or [mh "physical fitness"] or "physical fitness":ti,ab or [mh walking] or [mh running] or [mh jogging] or jogging:ti,ab) 74737**

**#2 "control groups":ti,ab,kw or "control group":ti,ab,kw or "controlled group":ti,ab,kw or "controlled groups":ti,ab,kw or "controls group":ti,ab,kw or "placebo group":ti,ab,kw or placebo:ti,ab,kw or "placebo controlled":ti,ab,kw or "standard treatment":ti,ab,kw or "standard treatments":ti,ab,kw or "gold standard":ti,ab,kw or placebos:ti,ab or "sham treatment":ti,ab,kw or "sham treatments":ti,ab,kw 306357**

**#3 [mh "Mental Disorders/therapy"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or [mh "Depressive Disorder, Major/therapy"] or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw 63039**

**#4 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome":ti,ab,kw 365181**

**#5 #1 and #2 and #3 and #4 in Trials 1,043**

**Exercise & Cognitive Behavioral Therapy (CBT) & depression (284 Results 3/7/18)**

**ID Search Hits**

**#1 ([mh "cognitive therapy"] or (cognitive:ti,ab,kw and therapy:ti,ab,kw) or "cognitive therapy":ti,ab,kw or (cognitive:ti,ab,kw and behavioral:ti,ab,kw and therapy:ti,ab,kw) or "cognitive behavioral therapy":ti,ab,kw or CBT:ti,ab,kw or "cognitive behavior therapy":ti,ab,kw or [mh cognition] or "cognitive behavior therapy":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive psychotherapy":ti,ab,kw or "cognitive psychotherapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive behaviour therapy":ti,ab,kw or "cognitive behavioural therapies":ti,ab,kw) 28928**

**#2 ([mh exercise] or exercise:ti,ab or "physical activity":ti,ab,kw or walking:ti,ab or running:ti,ab or sports:ti,ab or [mh sports] or athletics:ti,ab,kw or sport:ti,ab,kw or athletic:ti,ab,kw or gym:ti,ab,kw or [mh "Resistance Training"] or "resistance training":ti,ab or "exercise program":ti,ab,kw or "exercise programs":ti,ab,kw or "strength training":ti,ab,kw or "strength train":ti,ab,kw or "weight lifting":ti,ab,kw or "weight lift":ti,ab,kw or "weight bearing exercise":ti,ab,kw or "strengthening program":ti,ab,kw or "strengthening programs":ti,ab,kw or fitness:ti,ab,kw or [mh "physical fitness"] or "physical fitness":ti,ab or [mh walking] or [mh running] or [mh jogging] or jogging:ti,ab) 74737**

**#3 [mh "Mental Disorders/therapy"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or [mh "Depressive Disorder, Major/therapy"] or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw 63039**

**#4 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome":ti,ab,kw 365181**

**#5 #1 and #2 and #3 and #4 in Trials 284**

**Cognitive Behavioral Therapy (CBT) & Control Group & depression (1,521 Results 3/7/18)**

**ID Search Hits**

**#1 ([mh "cognitive therapy"] or (cognitive:ti,ab,kw and therapy:ti,ab,kw) or "cognitive therapy":ti,ab,kw or (cognitive:ti,ab,kw and behavioral:ti,ab,kw and therapy:ti,ab,kw) or "cognitive behavioral therapy":ti,ab,kw or CBT:ti,ab,kw or "cognitive behavior therapy":ti,ab,kw or [mh cognition] or "cognitive behavior therapy":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive psychotherapy":ti,ab,kw or "cognitive psychotherapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive behaviour therapy":ti,ab,kw or "cognitive behavioural therapies":ti,ab,kw) 28928**

**#2 "control groups":ti,ab,kw or "control group":ti,ab,kw or "controlled group":ti,ab,kw or "controlled groups":ti,ab,kw or "controls group":ti,ab,kw or "placebo group":ti,ab,kw or placebo:ti,ab,kw or "placebo controlled":ti,ab,kw or "standard treatment":ti,ab,kw or "standard treatments":ti,ab,kw or "gold standard":ti,ab,kw or placebos:ti,ab or "sham treatment":ti,ab,kw or "sham treatments":ti,ab,kw 306357**

**#3 [mh "Mental Disorders/therapy"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or [mh "Depressive Disorder, Major/therapy"] or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw 63039**

**#4 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome":ti,ab,kw 365181**

**#5 #1 and #2 and #3 and #4 in Trials 1521**

**Cognitive Behavioral Therapy (CBT) & Behavioral Activation & depression (3,462 Results 3/7/18)**

**ID Search Hits**

**#1 [mh "behavior therapy"] or [mh behavior] 79888**

**#2 "behavior therapy":ti,ab,kw or "behavioral therapy":ti,ab,kw or "behavior therapies":ti,ab,kw or "behavioral therapies":ti,ab,kw 11081**

**#3 ACT:ti,ab,kw or "behavioral activation":ti,ab,kw or "behavior activation" or "behavioral activation therapy":ti,ab,kw or BA:ti,ab,kw or "behavioral techniques":ti,ab,kw or BATD:ti,ab,kw or "BATD R":ti,ab,kw or "Brief behavioral activation treatment":ti,ab,kw or "behavioral activity":ti,ab,kw or "behavioral activities":ti,ab,kw or "behaviour therapy":ti,ab,kw or "behaviour therapies":ti,ab,kw or "behavioural therapy":ti,ab,kw or "behavioural therapies":ti,ab,kw or "behavioural activation":ti,ab,kw or "behaviour activation":ti,ab,kw or "behavioural activation therapy":ti,ab,kw or "behaviour techniques":ti,ab,kw or "behavioural activity":ti,ab,kw or "behavioural activities":ti,ab,kw 9440**

**#4 ([mh "cognitive therapy"] or (cognitive:ti,ab,kw and therapy:ti,ab,kw) or "cognitive therapy":ti,ab,kw or (cognitive:ti,ab,kw and behavioral:ti,ab,kw and therapy:ti,ab,kw) or "cognitive behavioral therapy":ti,ab,kw or CBT:ti,ab,kw or "cognitive behavior therapy":ti,ab,kw or [mh cognition] or "cognitive behavior therapy":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive psychotherapy":ti,ab,kw or "cognitive psychotherapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive behaviour therapy":ti,ab,kw or "cognitive behavioural therapies":ti,ab,kw) 28928**

**#5 #1 or #2 or #3 90534**

**#6 #4 and #5 15354**

**#7 [mh "Mental Disorders/therapy"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or [mh "Depressive Disorder, Major/therapy"] or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw 63039**

**#8 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome":ti,ab,kw 365181**

**#9 #6 and #7 and #8 in Trials 3462**

**Supportive Counseling combined topic search: (117 Results 3/7/18)**

**ID Search Hits**

**#1 ("supportive counseling":ti,ab,kw or "supportive counselling":ti,ab,kw or "supportive therapy":ti,ab,kw or "supportive therapies":ti,ab,kw or "person centered therapy":ti,ab,kw or "person centered counseling":ti,ab,kw and (supportive:ti,ab,kw and (counselling:ti,ab,kw or [mh counseling] or counseling:ti,ab))) 764**

**#2 [mh "behavior therapy"] or [mh behavior] 79888**

**#3 "behavior therapy":ti,ab,kw or "behavioral therapy":ti,ab,kw or "behavior therapies":ti,ab,kw or "behavioral therapies":ti,ab,kw 11081**

**#4 ACT:ti,ab,kw or "behavioral activation":ti,ab,kw or "behavior activation" or "behavioral activation therapy":ti,ab,kw or BA:ti,ab,kw or "behavioral techniques":ti,ab,kw or BATD:ti,ab,kw or "BATD R":ti,ab,kw or "Brief behavioral activation treatment":ti,ab,kw or "behavioral activity":ti,ab,kw or "behavioral activities":ti,ab,kw or "behaviour therapy":ti,ab,kw or "behaviour therapies":ti,ab,kw or "behavioural therapy":ti,ab,kw or "behavioural therapies":ti,ab,kw or "behavioural activation":ti,ab,kw or "behaviour activation":ti,ab,kw or "behavioural activation therapy":ti,ab,kw or "behaviour techniques":ti,ab,kw or "behavioural activity":ti,ab,kw or "behavioural activities":ti,ab,kw 9440**

**#5 ([mh "cognitive therapy"] or (cognitive:ti,ab,kw and therapy:ti,ab,kw) or "cognitive therapy":ti,ab,kw or (cognitive:ti,ab,kw and behavioral:ti,ab,kw and therapy:ti,ab,kw) or "cognitive behavioral therapy":ti,ab,kw or CBT:ti,ab,kw or "cognitive behavior therapy":ti,ab,kw or [mh cognition] or "cognitive behavior therapy":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive psychotherapy":ti,ab,kw or "cognitive psychotherapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive behaviour therapy":ti,ab,kw or "cognitive behavioural therapies":ti,ab,kw) 28928**

**#6 ([mh exercise] or exercise:ti,ab or "physical activity":ti,ab,kw or walking:ti,ab or running:ti,ab or sports:ti,ab or [mh sports] or athletics:ti,ab,kw or sport:ti,ab,kw or athletic:ti,ab,kw or gym:ti,ab,kw or [mh "Resistance Training"] or "resistance training":ti,ab or "exercise program":ti,ab,kw or "exercise programs":ti,ab,kw or "strength training":ti,ab,kw or "strength train":ti,ab,kw or "weight lifting":ti,ab,kw or "weight lift":ti,ab,kw or "weight bearing exercise":ti,ab,kw or "strengthening program":ti,ab,kw or "strengthening programs":ti,ab,kw or fitness:ti,ab,kw or [mh "physical fitness"] or "physical fitness":ti,ab or [mh walking] or [mh running] or [mh jogging] or jogging:ti,ab) 74737**

**#7 #2 or #3 or #4 or #5 or #6 167678**

**#8 #1 and #7 387**

**#9 [mh "Mental Disorders/therapy"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or [mh "Depressive Disorder, Major/therapy"] or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw 63039**

**#10 #8 and #9 207**

**#11 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome":ti,ab,kw 365181**

**#12 #10 and #11 in Trials 117**

|  |
| --- |
| **Search Strategies for Embase Database**  **Last date searched: 3/7/18** |

**Search Groups:**

**Behavioral Activation:**

**('behavior therapy'/syn OR 'behavior therapy':ti,ab OR 'behavioral therapy':ti,ab OR 'behavior therapies':ti,ab OR 'behavioral therapies':ti,ab OR 'behavioral activation':ti,ab,de,tn OR 'behavior activation' OR 'behavioral activation therapy':ti,ab OR 'ba':ti,ab OR 'behavioral techniques':ti,ab OR 'batd':ti,ab OR 'batd r':ti,ab OR 'brief behavioral activation treatment':ti,ab OR 'behavioral activity':ti,ab OR 'behavioral activities':ti,ab OR 'behaviour therapy':ti,ab OR 'behaviour therapies':ti,ab OR 'behavioural therapy':ti,ab OR 'behavioural therapies':ti,ab OR 'behavioural activation':ti,ab OR 'behaviour activation':ti,ab OR 'behavioural activation therapy':ti,ab OR 'behaviour techniques':ti,ab OR 'behavioural activity':ti,ab OR 'behavioural activities':ti,ab) OR (((behavior\* OR behavioral) NEXT/7 activit\*):ab,ti)**

**Depression:**

**('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab))**

**Extra Limit to Depression Only:**

**AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de)**

**Control Group:**

**'control groups'/exp OR ((control\* NEAR/3 group\*):ti,ab) OR ((placebo\* NEAR/3 group\*):ti,ab) OR 'control\* group\*':ti,ab OR 'placebo\* group\*':ti,ab OR placebo:ti,ab OR ((placebo\* NEAR/3 control\*):ti,ab) OR 'standard treatment\*':ti,ab OR 'gold standard':ti,ab OR 'placebos'/exp OR 'sham treatment\*':ti,ab**

**Exercise Group:**

**'exercise'/syn OR 'kinesiotherapy'/syn OR 'treadmill exercise'/syn OR 'aerobic exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'treadmill'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR ‘physical activit\*’:ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR ‘resistance train\*’:ti,ab OR ‘strength\* program\*’:ti,ab**

**Cognitive Behavioral Therapy Group:**

**('cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab)**

**Therapy Group:**

**(therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'treatment outcome'/syn)**

**Humans not Animals Filter:**

**Search # NOT [animals]/lim NOT 'human'/exp**

**RCT’s:**

**('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*))**

**Search Strategies:**

**Behavioral Activation & Control & depression & RCT: (in Embase have to do Human filter separately--See above):**

**1,636 results date last searched: 3/7/18**

**#1**

**('exercise'/syn OR 'kinesiotherapy'/syn OR 'treadmill exercise'/syn OR 'aerobic exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'treadmill'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR ‘physical activit\*’:ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR ‘resistance train\*’:ti,ab OR ‘strength\* program\*’:ti,ab) AND ('control groups'/exp OR ((control\* NEAR/3 group\*):ti,ab) OR ((placebo\* NEAR/3 group\*):ti,ab) OR 'control\* group\*':ti,ab OR 'placebo\* group\*':ti,ab OR placebo:ti,ab OR ((placebo\* NEAR/3 control\*):ti,ab) OR 'standard treatment\*':ti,ab OR 'gold standard':ti,ab OR 'placebos'/exp OR 'sham treatment\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*))**

**#2**

**#1 AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de)**

**#3 (5,316,247 Results)**

**[animals]/lim NOT 'human'/exp**

**#4 (1,623)**

**#2 NOT #3**

**Exercise & Behavioral Activation & depression & RCT**

**1,017 Results date last searched 3/7/18**

**#1**

**('behavior therapy'/syn OR 'behavior therapy':ti,ab OR 'behavioral therapy':ti,ab OR 'behavior therapies':ti,ab OR 'behavioral therapies':ti,ab OR 'behavioral activation':ti,ab,de,tn OR 'behavior activation' OR 'behavioral activation therapy':ti,ab OR 'ba':ti,ab OR 'behavioral techniques':ti,ab OR 'batd':ti,ab OR 'batd r':ti,ab OR 'brief behavioral activation treatment':ti,ab OR 'behavioral activity':ti,ab OR 'behavioral activities':ti,ab OR 'behaviour therapy':ti,ab OR 'behaviour therapies':ti,ab OR 'behavioural therapy':ti,ab OR 'behavioural therapies':ti,ab OR 'behavioural activation':ti,ab OR 'behaviour activation':ti,ab OR 'behavioural activation therapy':ti,ab OR 'behaviour techniques':ti,ab OR 'behavioural activity':ti,ab OR 'behavioural activities':ti,ab OR (((behavior\* OR behavioral) NEXT/7 activit\*):ab,ti)) AND ('exercise'/syn OR 'kinesiotherapy'/syn OR 'treadmill exercise'/syn OR 'aerobic exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'treadmill'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR ‘physical activit\*’:ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR ‘resistance train\*’:ti,ab OR ‘strength\* program\*’:ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*))**

**#2 (5,316,247 Results)**

**[animals]/lim NOT 'human'/exp**

**#3 (1,021 Results)**

**#1 NOT #2**

**Exercise & Control Group & depression & RCT**

**1,586 Results date last searched 3/7/18**

**#1**

**('exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR 'physical activit\*':ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport?:ti,ab OR gym:ti,ab OR 'resistance train\*':ti,ab OR 'strength program\*':ti,ab OR 'aerobic exercise':ti,ab) AND ('control groups'/exp OR ((control\* NEAR/3 group\*):ti,ab) OR ((placebo\* NEAR/3 group\*):ti,ab) OR 'control\* group\*':ti,ab OR 'placebo\* group\*':ti,ab OR placebo:ti,ab OR ((placebo\* NEAR/3 control\*):ti,ab) OR 'standard treatment\*':ti,ab OR 'gold standard':ti,ab OR 'placebos'/exp OR 'sham treatment\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*))**

**#2**

**#1 AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de)**

**#3 ((5,316,247 Results)**

**[animals]/lim NOT 'human'/exp**

**#4 (1,583 Results)**

**#2 NOT #3**

**Exercise & Cognitive Behavioral Therapy (CBT) & depression & RCT**

**1,336 Results date last searched: 3/7/18**

**#1**

**('cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab) AND (('exercise'/syn OR 'kinesiotherapy'/syn OR 'treadmill exercise'/syn OR 'aerobic exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'treadmill'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR 'physical activit\*':ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR 'resistance train\*':ti,ab OR 'strength\* program\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*)))**

**#2**

**#1 AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de)**

**#3 (5,316,247 Results)**

**[animals]/lim NOT 'human'/exp**

**#4 (1,336 Results)**

**#2 NOT #3**

**Cognitive Behavioral Therapy (CBT) & Control Group & depression & RCT**

**4,076 Results date last searched: 3/1/18**

**#1**

**('cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab) AND ('control groups'/exp OR ((control\* NEAR/3 group\*):ti,ab) OR ((placebo\* NEAR/3 group\*):ti,ab) OR 'control\* group\*':ti,ab OR 'placebo\* group\*':ti,ab OR placebo:ti,ab OR ((placebo\* NEAR/3 control\*):ti,ab) OR 'standard treatment\*':ti,ab OR 'gold standard':ti,ab OR 'placebos'/exp OR 'sham treatment\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*))**

**#2**

**#1 AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de)**

**#3 (5,316,247 Results)**

**[animals]/lim NOT 'human'/exp**

**#4 (4,076 Results)**

**#2 NOT #3**

**Cognitive Behavioral Therapy (CBT) & Behavioral Activation & depression & RCT**

**3,297 Results date last searched: 3/7/18**

**#1**

**('behavior therapy'/syn OR 'behavior therapy':ti,ab OR 'behavioral therapy':ti,ab OR 'behavior therapies':ti,ab OR 'behavioral therapies':ti,ab OR 'behavioral activation':ti,ab,de,tn OR 'behavior activation' OR 'behavioral activation therapy':ti,ab OR 'ba':ti,ab OR 'behavioral techniques':ti,ab OR 'batd':ti,ab OR 'batd r':ti,ab OR 'brief behavioral activation treatment':ti,ab OR 'behavioral activity':ti,ab OR 'behavioral activities':ti,ab OR 'behaviour therapy':ti,ab OR 'behaviour therapies':ti,ab OR 'behavioural therapy':ti,ab OR 'behavioural therapies':ti,ab OR 'behavioural activation':ti,ab OR 'behaviour activation':ti,ab OR 'behavioural activation therapy':ti,ab OR 'behaviour techniques':ti,ab OR 'behavioural activity':ti,ab OR 'behavioural activities':ti,ab) OR (((behavior\* OR behavioral) NEXT/7 activit\*):ab,ti) AND ('cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*))**

**#2**

**#1 AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de)**

**#3 (5,316,247 Results)**

**[animals]/lim NOT 'human'/exp**

**#4 (3,297 Results)**

**#2 NOT #3**

**Topic Search: Supportive Counseling combined**

**86 Results date last searched: 3/7/18**

**#1**

**('behavior therapy'/syn OR 'behavior therapy':ti,ab OR 'behavioral therapy':ti,ab OR 'behavior therapies':ti,ab OR 'behavioral therapies':ti,ab OR 'behavioral activation':ti,ab,de,tn OR 'behavior activation' OR 'behavioral activation therapy':ti,ab OR 'ba':ti,ab OR 'behavioral techniques':ti,ab OR 'batd':ti,ab OR 'batd r':ti,ab OR 'brief behavioral activation treatment':ti,ab OR 'behavioral activity':ti,ab OR 'behavioral activities':ti,ab OR 'behaviour therapy':ti,ab OR 'behaviour therapies':ti,ab OR 'behavioural therapy':ti,ab OR 'behavioural therapies':ti,ab OR 'behavioural activation':ti,ab OR 'behaviour activation':ti,ab OR 'behavioural activation therapy':ti,ab OR 'behaviour techniques':ti,ab OR 'behavioural activity':ti,ab OR 'behavioural activities':ti,ab OR (((behavior\* OR behavioral) NEXT/7 activit\*):ab,ti) OR 'cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab OR 'exercise'/syn OR 'kinesiotherapy'/syn OR 'treadmill exercise'/syn OR 'aerobic exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'treadmill'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR 'physical activit\*':ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR 'resistance train\*':ti,ab OR 'strength\* program\*':ti,ab) AND ('supportive counseling':ti,ab OR 'supportive counselling':ti,ab OR 'supportive therap\*':ti,ab OR 'person centered therap\*':ti,ab OR 'person centered counsel\*':ti,ab) AND ((supportive NEAR/3 counsel\*):ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*))**

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| **Search Strategies for PsycInfo (EBSCOhost) Database**  **Last date searched: 3/7/18** |

**Behavioral Activation & Control & depression & RCT: 40 Results (3/7/18)**

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| **S9** | **S7 AND S8** | **Search modes - Boolean/Phrase** | **View Results (40)** |

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| **S8** | **MM "Clinical Trials" OR RCT OR randomized\*** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **71,545** |
| **S7** | **S5 AND S6** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **139** |
| **S6** | **((((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **141,773** |
| **S5** | **S3 AND S4** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **1,849** |
| **S4** | **S1 OR S2** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **61,532** |
| **S3** | **((("control groups" OR ((control.mp. AND groups.mp.) OR (control.mp. AND group.mp.) OR (placebo.mp. AND group.mp.) OR (placebo.mp. AND groups.mp.)) OR control groups.ti,ab OR control group.mp. OR controlled group.mp. OR controlled groups.mp. OR controls group.mp. OR placebo group.mp. OR placebo.mp. OR placebo controlled.mp. OR standard treatment.mp. OR standard treatments.mp. OR gold standard.mp. OR Placebos OR placebos.ti,ab OR sham treatment.mp. OR sham treatments.mp.)))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **54,813** |
| **S2** | **(ACT.mp. OR behavioral activation.mp. OR behavior activation OR behavioral activation therapy.mp. OR BA.mp. OR behavioral techniques.mp. OR BATD.mp. OR BATD R.mp. OR Brief behavioral activation treatment.mp. OR behavioral activity.mp. OR behavioral activities.mp. OR behaviour therapy.mp. OR behaviour therapies.mp. OR behavioural therapy.mp. OR behavioural therapies.mp. OR behavioural activation.mp. OR behaviour activation.mp. OR behavioural activation therapy.mp. OR behaviour techniques.mp. OR behavioural activity.mp. OR behavioural activities.mp.)** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **1,765** |
| **S1** | **("behavior therapy" OR behavior therapy.ti,ab OR behavioral therapy.mp. OR behavior therapies.mp. OR behavioral therapies.mp. OR ((behavior OR behavior.mp. OR behavioral.mp.)) AND activation.mp. OR activational.mp. OR activations.mp. OR activity.mp. OR activities.mp.)** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **59,820** |

**Exercise & Behavioral Activation & depression & RCT: (10 Results 3/7/18)**

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| **S7** | **S5 AND S6** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **10** |
| **S6** | **MM "Clinical Trials" OR RCT OR randomized\*** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **71,545** |
| **S5** | **S3 AND S4** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **92** |
| **S4** | **((((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **141,773** |
| **S3** | **S1 AND S2** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **2,431** |
| **S2** | **((exercise OR exercise.ti,ab OR physical activity.mp. OR walking.ti,ab OR running.ti,ab OR sports.ti,ab OR sports OR athletics.mp. OR sport.mp. OR athletic.mp. OR gym.mp. OR "Resistance Training" OR resistance training.ti,ab OR exercise program.mp. OR exercise programs.mp. OR strength training.mp. OR strength train.mp. OR weight lifting.mp. OR weight lift.mp. OR weight bearing exercise.mp. OR strengthening program.mp. OR strengthening programs.mp. OR fitness.mp. OR "physical fitness" OR physical fitness.ti,ab OR walking OR running OR jogging OR jogging.ti,ab)))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **139,919** |
| **S1** | **(("behavior therapy" OR behavior therapy.ti,ab OR behavioral therapy.mp. OR behavior therapies.mp. OR behavioral therapies.mp. OR ((behavior OR behavior.mp. OR behavioral.mp.)) AND activation.mp. OR activational.mp. OR activations.mp. OR activity.mp. OR activities.mp.) OR (ACT.mp. OR behavioral activation.mp. OR behavior activation OR behavioral activation therapy.mp. OR BA.mp. OR behavioral techniques.mp. OR BATD.mp. OR BATD R.mp. OR Brief behavioral activation treatment.mp. OR behavioral activity.mp. OR behavioral activities.mp. OR behaviour therapy.mp. OR behaviour therapies.mp. OR behavioural therapy.mp. OR behavioural therapies.mp. OR behavioural activation.mp. OR behaviour activation.mp. OR behavioural activation therapy.mp. OR behaviour techniques.mp. OR behavioural activity.mp. OR behavioural activities.mp.)** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database** |  |

**Exercise & Control Group & depression & RCT: (6 Results 3/7/18)**

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| **S5** | **S3 AND S4** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **6** |
| **S4** | **MM "Clinical Trials" OR RCT OR randomized\*** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **71,545** |
| **S3** | **S1 AND S2** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **24** |
| **S2** | **((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **141,773** |
| **S1** | **(exercise OR exercise.ti,ab OR physical activity.mp. OR walking.ti,ab OR running.ti,ab OR sports.ti,ab OR sports OR athletics.mp. OR sport.mp. OR athletic.mp. OR gym.mp. OR "Resistance Training" OR resistance training.ti,ab OR exercise program.mp. OR exercise programs.mp. OR strength training.mp. OR strength train.mp. OR weight lifting.mp. OR weight lift.mp. OR weight bearing exercise.mp. OR strengthening program.mp. OR strengthening programs.mp. OR fitness.mp. OR "physical fitness" OR physical fitness.ti,ab OR walking OR running OR jogging OR jogging.ti,ab) AND ((("control groups" OR ((control.mp. AND groups.mp.) OR (control.mp. AND group.mp.) OR (placebo.mp. AND group.mp.) OR (placebo.mp. AND groups.mp.)) OR control groups.ti,ab OR control group.mp. OR controlled group.mp. OR controlled groups.mp. OR controls group.mp. OR placebo group.mp. OR placebo.mp. OR placebo controlled.mp. OR standard treatment.mp. OR standard treatments.mp. OR gold standard.mp. OR Placebos OR placebos.ti,ab OR sham treatment.mp. OR sham treatments.mp.)))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **1,909** |

**Exercise & Cognitive Behavioral Therapy (CBT) & depression & RCT: 10 Results 3/7/18**

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| **S3** | **S1 AND S2** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **10** |
| **S2** | **MM "Clinical Trials" OR RCT OR randomized\*** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **71,677** |
| **S1** | **(exercise OR exercise.ti,ab OR physical activity.mp. OR walking.ti,ab OR running.ti,ab OR sports.ti,ab OR sports OR athletics.mp. OR sport.mp. OR athletic.mp. OR gym.mp. OR "Resistance Training" OR resistance training.ti,ab OR exercise program.mp. OR exercise programs.mp. OR strength training.mp. OR strength train.mp. OR weight lifting.mp. OR weight lift.mp. OR weight bearing exercise.mp. OR strengthening program.mp. OR strengthening programs.mp. OR fitness.mp. OR "physical fitness" OR physical fitness.ti,ab OR walking OR running OR jogging OR jogging.ti,ab) AND ("cognitive therapy" OR (cognitive.mp. AND therapy.mp.) OR cognitive therapy.mp. OR (cognitive.mp. AND behavioral.mp. AND therapy.mp.) OR cognitive behavioral therapy.mp. OR CBT.mp. OR cognitive behavior therapy.mp. OR cognition OR cognitive behavior therapy.mp. OR cognitive therapies.mp. OR cognitive therapies.mp. OR cognition therapy.mp. OR cognitive psychotherapy.mp. OR cognitive psychotherapies.mp. OR cognition therapy.mp. OR cognitive behaviour therapy.mp. OR cognitive behavioural therapies.mp.) AND ((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **D**  **(94 results)** |  |

**Cognitive Behavioral Therapy (CBT) & Control Group & depression & RCT:**

**73 Results 3/7/18**

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| **S3** | **S1 AND S2** | **Search modes - Boolean/Phrase** | **View Results (73)**  **View Details**  [**Edit**](http://web.b.ebscohost.com.libproxy.temple.edu/Legacy/Views/UserControls/EHOST/) |  |
|  | **S2** | **MM "Clinical Trials" OR RCT OR randomized\*** | **Search modes - Boolean/Phrase** | **View Results (71,545)**  **View Details**  [**Edit**](http://web.b.ebscohost.com.libproxy.temple.edu/Legacy/Views/UserControls/EHOST/) |
|  | **S1** | **("cognitive therapy" OR (cognitive.mp. AND therapy.mp.) OR cognitive therapy.mp. OR (cognitive.mp. AND behavioral.mp. AND therapy.mp.) OR cognitive behavioral therapy.mp. OR CBT.mp. OR cognitive behavior therapy.mp. OR cognition OR cognitive behavior therapy.mp. OR cognitive therapies.mp. OR cognitive therapies.mp. OR cognition therapy.mp. OR cognitive psychotherapy.mp. OR cognitive psychotherapies.mp. OR cognition therapy.mp. OR cognitive behaviour therapy.mp. OR cognitive behavioural therapies.mp.) AND ((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy))) AND ((("control groups" OR ((control.mp. AND groups.mp.) OR (control.mp. AND group.mp.) OR (placebo.mp. AND group.mp.) OR (placebo.mp. AND groups.mp.)) OR control groups.ti,ab OR control group.mp. OR controlled group.mp. OR controlled groups.mp. OR controls group.mp. OR placebo group.mp. OR placebo.mp. OR placebo controlled.mp. OR standard treatment.mp. OR standard treatments.mp. OR gold standard.mp. OR Placebos OR placebos.ti,ab OR sham treatment.mp. OR sham treatments.mp.)))** | **Search modes - SmartText Searching** | **View Results (219)** |

**Cognitive Behavioral Therapy (CBT) & Behavioral Activation & depression & RCT:**

**(6 Results 3/7/18)**

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| **S1** | **("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) AND (("cognitive therapy"[MeSH Terms] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR “cognitive behavior therapy”[tw] OR “cognition”[MESH] OR “cognitive behavior therapy”[tw] OR “cognitive therapies”[tw] OR “cognitive therapies”[tw] OR “cognition therapy”[tw] OR “cognitive psychotherapy”[tw] OR “cognitive psychotherapies”[tw] OR “cognition therapy”[tw] OR “cognitive behaviour therapy”[tw] OR “cognitive behavioural therapies”[tw])) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh])))))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **6** |

**Supportive Counseling combined topic search: (8 Results 3/7/18)**

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| **S3** | **S1 AND S2** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **8** |
| **S2** | **MM "Clinical Trials" OR RCT OR randomized\*** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **71,545** |
| **S1** | **("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) OR ((("exercise"[MeSH Terms] OR "exercise"[tiab] OR “physical activity”[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR “sports”[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR “resistance training”[tiab] OR “exercise program”[tw] OR “exercise programs”[tw] OR “strength training”[tw] OR “strength train”[tw] OR “weight lifting”[tw] OR “weight lift”[tw] OR “weight bearing exercise”[tw] OR “strengthening program”[tw] OR “strengthening programs”[tw] OR fitness[tw] OR “physical fitness”[MESH] OR “physical fitness”[tiab] OR “walking”[MESH] OR “running”[MESH] OR “jogging”[MESH] OR jogging[tiab]) OR ("cognitive therapy"[MeSH Terms] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR “cognitive behavior therapy”[tw] OR “cognition”[MESH] OR “cognitive behavior therapy”[tw] OR “cognitive therapies”[tw] OR “cognitive therapies”[tw] OR “cognition therapy”[tw] OR “cognitive psychotherapy”[tw] OR “cognitive psychotherapies”[tw] OR “cognition therapy”[tw] OR “cognitive behaviour therapy”[tw] OR “cognitive behavioural therapies”[tw]) OR(“supportive counseling”[tw] OR “supportive counselling”[tw] OR “supportive therapy”[tw] OR “supportive therapies”[tw] OR “person centered therapy”[tw] OR “person centered counseling”[tw] AND (supportive[tw] AND ("counselling"[tw] OR "counseling"[MeSH Terms] OR "counseling"[tiab])) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh])))))** | **Search modes - Boolean/Phrase** | **Interface - EBSCOhost Research Databases**  **Search Screen - Advanced Search**  **Database - PsycINFO** | **97** |

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| **Search Strategies for Scopus (Elsevier) Database**  **Last date searched: 3/7/18** |

**7 Total Searches**

**Behavioral Activation & Control & depression & RCT (1,707 Results 3/7/18)**

**( INDEXTERMS ( "behavior therapy" ) OR TITLE-ABS ( "behavior therapy" ) OR TITLE-ABS-KEY ( "behavioral therapy" ) OR TITLE-ABS-KEY ( "behavior therapies" ) OR TITLE-ABS-KEY ( "behavioral therapies" ) OR ( ( INDEXTERMS ( "behavior" ) OR TITLE-ABS-KEY ( "behavior" ) OR TITLE-ABS-KEY ( "behavioral" ) ) ) AND TITLE-ABS-KEY ( "activation" ) OR TITLE-ABS-KEY ( "activational" ) OR TITLE-ABS-KEY ( "activations" ) OR TITLE-ABS-KEY ( "activity" ) OR TITLE-ABS-KEY ( "activities" ) ) OR ( TITLE-ABS-KEY ( "ACT" ) OR TITLE-ABS-KEY ( "behavioral activation" ) OR "behavior activation" OR TITLE-ABS-KEY ( "behavioral activation therapy" ) OR TITLE-ABS-KEY ( "BA" ) OR TITLE-ABS-KEY ( "behavioral techniques" ) OR TITLE-ABS-KEY ( "BATD" ) OR TITLE-ABS-KEY ( "BATD R" ) OR TITLE-ABS-KEY ( "Brief behavioral activation treatment" ) OR TITLE-ABS-KEY ( "behavioral activity" ) OR TITLE-ABS-KEY ( "behavioral activities" ) OR TITLE-ABS-KEY ( "behaviour therapy" ) OR TITLE-ABS-KEY ( "behaviour therapies" ) OR TITLE-ABS-KEY ( "behavioural therapy" ) OR TITLE-ABS-KEY ( "behavioural therapies" ) OR TITLE-ABS-KEY ( "behavioural activation" ) OR TITLE-ABS-KEY ( "behaviour activation" ) OR TITLE-ABS-KEY ( "behavioural activation therapy" ) OR TITLE-ABS-KEY ( "behaviour techniques" ) OR TITLE-ABS-KEY ( "behavioural activity" ) OR TITLE-ABS-KEY ( "behavioural activities" ) ) AND ( ( ( INDEXTERMS ( "control groups" ) OR ( ( TITLE-ABS-KEY ( "control" ) AND TITLE-ABS-KEY ( "groups" ) ) OR ( TITLE-ABS-KEY ( "control" ) AND TITLE-ABS-KEY ( "group" ) ) OR ( TITLE-ABS-KEY ( "placebo" ) AND TITLE-ABS-KEY ( "group" ) ) OR ( TITLE-ABS-KEY ( "placebo" ) AND TITLE-ABS-KEY ( "groups" ) ) ) OR TITLE-ABS ( "control groups" ) OR TITLE-ABS-KEY ( "control group" ) OR TITLE-ABS-KEY ( "controlled group" ) OR TITLE-ABS-KEY ( "controlled groups" ) OR TITLE-ABS-KEY ( "controls group" ) OR TITLE-ABS-KEY ( "placebo group" ) OR TITLE-ABS-KEY ( "placebo" ) OR TITLE-ABS-KEY ( "placebo controlled" ) OR TITLE-ABS-KEY ( "standard treatment" ) OR TITLE-ABS-KEY ( "standard treatments" ) OR TITLE-ABS-KEY ( "gold standard" ) OR INDEXTERMS ( "Placebos" ) OR TITLE-ABS ( "placebos" ) OR TITLE-ABS-KEY ( "sham treatment" ) OR TITLE-ABS-KEY ( "sham treatments" ) ) ) ) AND ( ( ( ( ( INDEXTERMS ( "Mental Disorders/therapy" ) OR TITLE-ABS ( "mental disorders" ) OR TITLE-ABS-KEY ( "mental disorder" ) OR TITLE-ABS-KEY ( "Psychiatric Diagnosis" ) OR "Behavior Disorders" OR TITLE-ABS-KEY ( "severe mental disorder" ) OR TITLE-ABS-KEY ( "severe mental disorders" ) OR INDEXTERMS ( "Depressive Disorder, Major/therapy" ) OR TITLE-ABS ( "Major Depressive Disorders" ) OR TITLE-ABS-KEY ( "Major Depressive" ) OR TITLE-ABS-KEY ( "Major Depressive Disorder" ) OR TITLE-ABS-KEY ( "psychosis" ) OR TITLE-ABS-KEY ( "Psychosis" ) OR TITLE-ABS-KEY ( "psychoses" ) OR TITLE-ABS-KEY ( "major depression" ) OR TITLE-ABS-KEY ( "severe mental illness" ) OR "insanity" OR TITLE-ABS-KEY ( "mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorder" ) OR TITLE-ABS-KEY ( "depressed" ) OR TITLE-ABS-KEY ( "depression" ) OR TITLE-ABS-KEY ( "depressive" ) OR TITLE-ABS-KEY ( "depression were" ) OR TITLE-ABS-KEY ( "depression the" ) OR TITLE-ABS-KEY ( "depression symptoms" ) OR TITLE-ABS-KEY ( "depression severity" ) OR TITLE-ABS-KEY ( "severity of depression" ) OR TITLE-ABS-KEY ( "depression score" ) OR TITLE-ABS-KEY ( "depression scores" ) OR TITLE-ABS-KEY ( "depression rating" ) OR TITLE-ABS-KEY ( "depression ratings" ) OR INDEXTERMS ( "Depressive Disorder, Treatment-Resistant" ) OR TITLE-ABS ( "Treatment resistant depressive disorder" ) OR TITLE-ABS-KEY ( "depression in" ) OR TITLE-ABS-KEY ( "depression inventory" ) OR TITLE-ABS-KEY ( "depression and" ) OR TITLE-ABS-KEY ( "depression rating scale" ) OR TITLE-ABS-KEY ( "mdd" ) OR TITLE-ABS-KEY ( "major depression" ) OR INDEXTERMS ( "Depressive Disorder/therapy" ) OR INDEXTERMS ( "Depression/therapy" ) ) ) ) ) ) AND ( ( ( ( INDEXTERMS ( "clinical[Title" ) AND INDEXTERMS ( "trial[Title" ) ) OR INDEXTERMS ( "clinical trials as topic" ) OR "clinical trial[Publication Type]" OR INDEXTERMS ( "random\*[Title" ) OR INDEXTERMS ( "random allocation" ) OR "therapeutic use[MeSH Subheading]" ) ) ) AND ( ( ( ( ( "therapy[Subheading]" OR TITLE-ABS ( "therapy" ) OR TITLE-ABS-KEY ( "treatment" ) OR INDEXTERMS ( "therapeutics" ) OR TITLE-ABS ( "therapeutics" ) OR INDEXTERMS ( "treatment outcome" ) OR TITLE-ABS ( "treatment outcome" ) ) ) ) ) ) AND (depres\* AND diagnos\*)**

**Exercise & Behavioral Activation & depression & RCT (463 Results 3/7/18)**

**( ( INDEXTERMS ( "behavior therapy" ) OR TITLE-ABS ( "behavior therapy" ) OR TITLE-ABS-KEY ( "behavioral therapy" ) OR TITLE-ABS-KEY ( "behavior therapies" ) OR TITLE-ABS-KEY ( "behavioral therapies" ) OR ( ( INDEXTERMS ( "behavior" ) OR TITLE-ABS-KEY ( "behavior" ) OR TITLE-ABS-KEY ( "behavioral" ) ) ) AND TITLE-ABS-KEY ( "activation" ) OR TITLE-ABS-KEY ( "activational" ) OR TITLE-ABS-KEY ( "activations" ) OR TITLE-ABS-KEY ( "activity" ) OR TITLE-ABS-KEY ( "activities" ) ) OR ( TITLE-ABS-KEY ( "ACT" ) OR TITLE-ABS-KEY ( "behavioral activation" ) OR "behavior activation" OR TITLE-ABS-KEY ( "behavioral activation therapy" ) OR TITLE-ABS-KEY ( "BA" ) OR TITLE-ABS-KEY ( "behavioral techniques" ) OR TITLE-ABS-KEY ( "BATD" ) OR TITLE-ABS-KEY ( "BATD R" ) OR TITLE-ABS-KEY ( "Brief behavioral activation treatment" ) OR TITLE-ABS-KEY ( "behavioral activity" ) OR TITLE-ABS-KEY ( "behavioral activities" ) OR TITLE-ABS-KEY ( "behaviour therapy" ) OR TITLE-ABS-KEY ( "behaviour therapies" ) OR TITLE-ABS-KEY ( "behavioural therapy" ) OR TITLE-ABS-KEY ( "behavioural therapies" ) OR TITLE-ABS-KEY ( "behavioural activation" ) OR TITLE-ABS-KEY ( "behaviour activation" ) OR TITLE-ABS-KEY ( "behavioural activation therapy" ) OR TITLE-ABS-KEY ( "behaviour techniques" ) OR TITLE-ABS-KEY ( "behavioural activity" ) OR TITLE-ABS-KEY ( "behavioural activities" ) ) AND ( ( INDEXTERMS ( "exercise" ) OR TITLE-ABS ( "exercise" ) OR TITLE-ABS-KEY ( "physical activity" ) OR TITLE-ABS ( "walking" ) OR TITLE-ABS ( "running" ) OR TITLE-ABS ( "sports" ) OR INDEXTERMS ( "sports" ) OR TITLE-ABS-KEY ( "athletics" ) OR TITLE-ABS-KEY ( "sport" ) OR TITLE-ABS-KEY ( "athletic" ) OR TITLE-ABS-KEY ( "gym" ) OR INDEXTERMS ( "Resistance Training" ) OR TITLE-ABS ( "resistance training" ) OR TITLE-ABS-KEY ( "exercise program" ) OR TITLE-ABS-KEY ( "exercise programs" ) OR TITLE-ABS-KEY ( "strength training" ) OR TITLE-ABS-KEY ( "strength train" ) OR TITLE-ABS-KEY ( "weight lifting" ) OR TITLE-ABS-KEY ( "weight lift" ) OR TITLE-ABS-KEY ( "weight bearing exercise" ) OR TITLE-ABS-KEY ( "strengthening program" ) OR TITLE-ABS-KEY ( "strengthening programs" ) OR TITLE-ABS-KEY ( "fitness" ) OR INDEXTERMS ( "physical fitness" ) OR TITLE-ABS ( "physical fitness" ) OR INDEXTERMS ( "walking" ) OR INDEXTERMS ( "running" ) OR INDEXTERMS ( "jogging" ) OR TITLE-ABS ( "jogging" ) ) ) ) AND ( ( ( ( ( INDEXTERMS ( "Mental Disorders/therapy" ) OR TITLE-ABS ( "mental disorders" ) OR TITLE-ABS-KEY ( "mental disorder" ) OR TITLE-ABS-KEY ( "Psychiatric Diagnosis" ) OR "Behavior Disorders" OR TITLE-ABS-KEY ( "severe mental disorder" ) OR TITLE-ABS-KEY ( "severe mental disorders" ) OR INDEXTERMS ( "Depressive Disorder, Major/therapy" ) OR TITLE-ABS ( "Major Depressive Disorders" ) OR TITLE-ABS-KEY ( "Major Depressive" ) OR TITLE-ABS-KEY ( "Major Depressive Disorder" ) OR TITLE-ABS-KEY ( "psychosis" ) OR TITLE-ABS-KEY ( "Psychosis" ) OR TITLE-ABS-KEY ( "psychoses" ) OR TITLE-ABS-KEY ( "major depression" ) OR TITLE-ABS-KEY ( "severe mental illness" ) OR "insanity" OR TITLE-ABS-KEY ( "mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorder" ) OR TITLE-ABS-KEY ( "depressed" ) OR TITLE-ABS-KEY ( "depression" ) OR TITLE-ABS-KEY ( "depressive" ) OR TITLE-ABS-KEY ( "depression were" ) OR TITLE-ABS-KEY ( "depression the" ) OR TITLE-ABS-KEY ( "depression symptoms" ) OR TITLE-ABS-KEY ( "depression severity" ) OR TITLE-ABS-KEY ( "severity of depression" ) OR TITLE-ABS-KEY ( "depression score" ) OR TITLE-ABS-KEY ( "depression scores" ) OR TITLE-ABS-KEY ( "depression rating" ) OR TITLE-ABS-KEY ( "depression ratings" ) OR INDEXTERMS ( "Depressive Disorder, Treatment-Resistant" ) OR TITLE-ABS ( "Treatment resistant depressive disorder" ) OR TITLE-ABS-KEY ( "depression in" ) OR TITLE-ABS-KEY ( "depression inventory" ) OR TITLE-ABS-KEY ( "depression and" ) OR TITLE-ABS-KEY ( "depression rating scale" ) OR TITLE-ABS-KEY ( "mdd" ) OR TITLE-ABS-KEY ( "major depression" ) OR INDEXTERMS ( "Depressive Disorder/therapy" ) OR INDEXTERMS ( "Depression/therapy" ) ) ) ) ) ) AND ( ( ( ( INDEXTERMS ( "clinical[Title" ) AND INDEXTERMS ( "trial[Title" ) ) OR INDEXTERMS ( "clinical trials as topic" ) OR "clinical trial[Publication Type]" OR INDEXTERMS ( "random\*[Title" ) OR INDEXTERMS ( "random allocation" ) OR "therapeutic use[MeSH Subheading]" ) ) ) AND ( ( ( ( ( "therapy[Subheading]" OR TITLE-ABS ( "therapy" ) OR TITLE-ABS-KEY ( "treatment" ) OR INDEXTERMS ( "therapeutics" ) OR TITLE-ABS ( "therapeutics" ) OR INDEXTERMS ( "treatment outcome" ) OR TITLE-ABS ( "treatment outcome" ) ) ) ) ) ) AND (depres\* AND diagnos\*)**

**Exercise & Control Group & depression & RCT (802 Results 3/7/18)**

**(INDEXTERMS("exercise") OR TITLE-ABS("exercise") OR TITLE-ABS-KEY("physical activity") OR TITLE-ABS("walking") OR TITLE-ABS("running") OR TITLE-ABS("sports") OR INDEXTERMS("sports") OR TITLE-ABS-KEY("athletics") OR TITLE-ABS-KEY("sport") OR TITLE-ABS-KEY("athletic") OR TITLE-ABS-KEY("gym") OR INDEXTERMS("Resistance Training") OR TITLE-ABS("resistance training") OR TITLE-ABS-KEY("exercise program") OR TITLE-ABS-KEY("exercise programs") OR TITLE-ABS-KEY("strength training") OR TITLE-ABS-KEY("strength train") OR TITLE-ABS-KEY("weight lifting") OR TITLE-ABS-KEY("weight lift") OR TITLE-ABS-KEY("weight bearing exercise") OR TITLE-ABS-KEY("strengthening program") OR TITLE-ABS-KEY("strengthening programs") OR TITLE-ABS-KEY("fitness") OR INDEXTERMS("physical fitness") OR TITLE-ABS("physical fitness") OR INDEXTERMS("walking") OR INDEXTERMS("running") OR INDEXTERMS("jogging") OR TITLE-ABS("jogging")) AND (((INDEXTERMS("control groups") OR ((TITLE-ABS-KEY("control") AND TITLE-ABS-KEY("groups")) OR (TITLE-ABS-KEY("control") AND TITLE-ABS-KEY("group")) OR (TITLE-ABS-KEY("placebo") AND TITLE-ABS-KEY("group")) OR (TITLE-ABS-KEY("placebo") AND TITLE-ABS-KEY("groups"))) OR TITLE-ABS("control groups") OR TITLE-ABS-KEY("control group") OR TITLE-ABS-KEY("controlled group") OR TITLE-ABS-KEY("controlled groups") OR TITLE-ABS-KEY("controls group") OR TITLE-ABS-KEY("placebo group") OR TITLE-ABS-KEY("placebo") OR TITLE-ABS-KEY("placebo controlled") OR TITLE-ABS-KEY("standard treatment") OR TITLE-ABS-KEY("standard treatments") OR TITLE-ABS-KEY("gold standard") OR INDEXTERMS("Placebos") OR TITLE-ABS("placebos") OR TITLE-ABS-KEY("sham treatment") OR TITLE-ABS-KEY("sham treatments")))) AND (((INDEXTERMS("Mental Disorders/therapy") OR TITLE-ABS("mental disorders") OR TITLE-ABS-KEY("mental disorder") OR TITLE-ABS-KEY("Psychiatric Diagnosis") OR "Behavior Disorders" OR TITLE-ABS-KEY("severe mental disorder") OR TITLE-ABS-KEY("severe mental disorders") OR INDEXTERMS("Depressive Disorder, Major/therapy") OR TITLE-ABS("Major Depressive Disorders") OR TITLE-ABS-KEY("Major Depressive") OR TITLE-ABS-KEY("Major Depressive Disorder") OR TITLE-ABS-KEY("psychosis") OR TITLE-ABS-KEY("Psychosis") OR TITLE-ABS-KEY("psychoses") OR TITLE-ABS-KEY("major depression") OR TITLE-ABS-KEY("severe mental illness") OR "insanity" OR TITLE-ABS-KEY("mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorder") OR TITLE-ABS-KEY("depressed") OR TITLE-ABS-KEY("depression") OR TITLE-ABS-KEY("depressive") OR TITLE-ABS-KEY("depression were") OR TITLE-ABS-KEY("depression the") OR TITLE-ABS-KEY("depression symptoms") OR TITLE-ABS-KEY("depression severity") OR TITLE-ABS-KEY("severity of depression") OR TITLE-ABS-KEY("depression score") OR TITLE-ABS-KEY("depression scores") OR TITLE-ABS-KEY("depression rating") OR TITLE-ABS-KEY("depression ratings") OR INDEXTERMS("Depressive Disorder, Treatment-Resistant") OR TITLE-ABS("Treatment resistant depressive disorder") OR TITLE-ABS-KEY("depression in") OR TITLE-ABS-KEY("depression inventory") OR TITLE-ABS-KEY("depression and") OR TITLE-ABS-KEY("depression rating scale") OR TITLE-ABS-KEY("mdd") OR TITLE-ABS-KEY("major depression") OR INDEXTERMS("Depressive Disorder/therapy") OR INDEXTERMS("Depression/therapy")))) AND ((((INDEXTERMS("clinical[Title") AND INDEXTERMS("trial[Title")) OR INDEXTERMS("clinical trials as topic") OR "clinical trial[Publication Type]" OR INDEXTERMS("random\*[Title") OR INDEXTERMS("random allocation") OR "therapeutic use[MeSH Subheading]"))) AND (((("therapy[Subheading]" OR TITLE-ABS("therapy") OR TITLE-ABS-KEY("treatment") OR INDEXTERMS("therapeutics") OR TITLE-ABS("therapeutics") OR INDEXTERMS("treatment outcome") OR TITLE-ABS("treatment outcome"))))) AND (depres\* AND diagnos\*)**

**Exercise & Cognitive Behavioral Therapy (CBT) & depression & RCT (643 Results)**

**(INDEXTERMS("exercise") OR TITLE-ABS("exercise") OR TITLE-ABS-KEY("physical activity") OR TITLE-ABS("walking") OR TITLE-ABS("running") OR TITLE-ABS("sports") OR INDEXTERMS("sports") OR TITLE-ABS-KEY("athletics") OR TITLE-ABS-KEY("sport") OR TITLE-ABS-KEY("athletic") OR TITLE-ABS-KEY("gym") OR INDEXTERMS("Resistance Training") OR TITLE-ABS("resistance training") OR TITLE-ABS-KEY("exercise program") OR TITLE-ABS-KEY("exercise programs") OR TITLE-ABS-KEY("strength training") OR TITLE-ABS-KEY("strength train") OR TITLE-ABS-KEY("weight lifting") OR TITLE-ABS-KEY("weight lift") OR TITLE-ABS-KEY("weight bearing exercise") OR TITLE-ABS-KEY("strengthening program") OR TITLE-ABS-KEY("strengthening programs") OR TITLE-ABS-KEY("fitness") OR INDEXTERMS("physical fitness") OR TITLE-ABS("physical fitness") OR INDEXTERMS("walking") OR INDEXTERMS("running") OR INDEXTERMS("jogging") OR TITLE-ABS("jogging")) AND (INDEXTERMS("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("behavioral") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive behavioral therapy") OR TITLE-ABS-KEY("CBT") OR TITLE-ABS-KEY("cognitive behavior therapy") OR INDEXTERMS("cognition") OR TITLE-ABS-KEY("cognitive behavior therapy") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive psychotherapy") OR TITLE-ABS-KEY("cognitive psychotherapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive behaviour therapy") OR TITLE-ABS-KEY("cognitive behavioural therapies")) AND (((INDEXTERMS("Mental Disorders/therapy") OR TITLE-ABS("mental disorders") OR TITLE-ABS-KEY("mental disorder") OR TITLE-ABS-KEY("Psychiatric Diagnosis") OR "Behavior Disorders" OR TITLE-ABS-KEY("severe mental disorder") OR TITLE-ABS-KEY("severe mental disorders") OR INDEXTERMS("Depressive Disorder, Major/therapy") OR TITLE-ABS("Major Depressive Disorders") OR TITLE-ABS-KEY("Major Depressive") OR TITLE-ABS-KEY("Major Depressive Disorder") OR TITLE-ABS-KEY("psychosis") OR TITLE-ABS-KEY("Psychosis") OR TITLE-ABS-KEY("psychoses") OR TITLE-ABS-KEY("major depression") OR TITLE-ABS-KEY("severe mental illness") OR "insanity" OR TITLE-ABS-KEY("mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorder") OR TITLE-ABS-KEY("depressed") OR TITLE-ABS-KEY("depression") OR TITLE-ABS-KEY("depressive") OR TITLE-ABS-KEY("depression were") OR TITLE-ABS-KEY("depression the") OR TITLE-ABS-KEY("depression symptoms") OR TITLE-ABS-KEY("depression severity") OR TITLE-ABS-KEY("severity of depression") OR TITLE-ABS-KEY("depression score") OR TITLE-ABS-KEY("depression scores") OR TITLE-ABS-KEY("depression rating") OR TITLE-ABS-KEY("depression ratings") OR INDEXTERMS("Depressive Disorder, Treatment-Resistant") OR TITLE-ABS("Treatment resistant depressive disorder") OR TITLE-ABS-KEY("depression in") OR TITLE-ABS-KEY("depression inventory") OR TITLE-ABS-KEY("depression and") OR TITLE-ABS-KEY("depression rating scale") OR TITLE-ABS-KEY("mdd") OR TITLE-ABS-KEY("major depression") OR INDEXTERMS("Depressive Disorder/therapy") OR INDEXTERMS("Depression/therapy")))) AND ((((INDEXTERMS("clinical[Title") AND INDEXTERMS("trial[Title")) OR INDEXTERMS("clinical trials as topic") OR "clinical trial[Publication Type]" OR INDEXTERMS("random\*[Title") OR INDEXTERMS("random allocation") OR "therapeutic use[MeSH Subheading]"))) AND (depres\* AND diagnos\*)**

**Cognitive Behavioral Therapy (CBT) & Control Group & depression & RCT (2,463 Results 3/7/18)**

**(INDEXTERMS("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("behavioral") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive behavioral therapy") OR TITLE-ABS-KEY("CBT") OR TITLE-ABS-KEY("cognitive behavior therapy") OR INDEXTERMS("cognition") OR TITLE-ABS-KEY("cognitive behavior therapy") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive psychotherapy") OR TITLE-ABS-KEY("cognitive psychotherapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive behaviour therapy") OR TITLE-ABS-KEY("cognitive behavioural therapies")) AND ((((INDEXTERMS("control groups") OR ((TITLE-ABS-KEY("control") AND TITLE-ABS-KEY("groups")) OR (TITLE-ABS-KEY("control") AND TITLE-ABS-KEY("group")) OR (TITLE-ABS-KEY("placebo") AND TITLE-ABS-KEY("group")) OR (TITLE-ABS-KEY("placebo") AND TITLE-ABS-KEY("groups"))) OR TITLE-ABS("control groups") OR TITLE-ABS-KEY("control group") OR TITLE-ABS-KEY("controlled group") OR TITLE-ABS-KEY("controlled groups") OR TITLE-ABS-KEY("controls group") OR TITLE-ABS-KEY("placebo group") OR TITLE-ABS-KEY("placebo") OR TITLE-ABS-KEY("placebo controlled") OR TITLE-ABS-KEY("standard treatment") OR TITLE-ABS-KEY("standard treatments") OR TITLE-ABS-KEY("gold standard") OR INDEXTERMS("Placebos") OR TITLE-ABS("placebos") OR TITLE-ABS-KEY("sham treatment") OR TITLE-ABS-KEY("sham treatments"))))) AND (((((INDEXTERMS("Mental Disorders/therapy") OR TITLE-ABS("mental disorders") OR TITLE-ABS-KEY("mental disorder") OR TITLE-ABS-KEY("Psychiatric Diagnosis") OR "Behavior Disorders" OR TITLE-ABS-KEY("severe mental disorder") OR TITLE-ABS-KEY("severe mental disorders") OR INDEXTERMS("Depressive Disorder, Major/therapy") OR TITLE-ABS("Major Depressive Disorders") OR TITLE-ABS-KEY("Major Depressive") OR TITLE-ABS-KEY("Major Depressive Disorder") OR TITLE-ABS-KEY("psychosis") OR TITLE-ABS-KEY("Psychosis") OR TITLE-ABS-KEY("psychoses") OR TITLE-ABS-KEY("major depression") OR TITLE-ABS-KEY("severe mental illness") OR "insanity" OR TITLE-ABS-KEY("mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorder") OR TITLE-ABS-KEY("depressed") OR TITLE-ABS-KEY("depression") OR TITLE-ABS-KEY("depressive") OR TITLE-ABS-KEY("depression were") OR TITLE-ABS-KEY("depression the") OR TITLE-ABS-KEY("depression symptoms") OR TITLE-ABS-KEY("depression severity") OR TITLE-ABS-KEY("severity of depression") OR TITLE-ABS-KEY("depression score") OR TITLE-ABS-KEY("depression scores") OR TITLE-ABS-KEY("depression rating") OR TITLE-ABS-KEY("depression ratings") OR INDEXTERMS("Depressive Disorder, Treatment-Resistant") OR TITLE-ABS("Treatment resistant depressive disorder") OR TITLE-ABS-KEY("depression in") OR TITLE-ABS-KEY("depression inventory") OR TITLE-ABS-KEY("depression and") OR TITLE-ABS-KEY("depression rating scale") OR TITLE-ABS-KEY("mdd") OR TITLE-ABS-KEY("major depression") OR INDEXTERMS("Depressive Disorder/therapy") OR INDEXTERMS("Depression/therapy")))))) AND ((((INDEXTERMS("clinical[Title") AND INDEXTERMS("trial[Title")) OR INDEXTERMS("clinical trials as topic") OR "clinical trial[Publication Type]" OR INDEXTERMS("random\*[Title") OR INDEXTERMS("random allocation") OR "therapeutic use[MeSH Subheading]"))) AND (((((("therapy[Subheading]" OR TITLE-ABS("therapy") OR TITLE-ABS-KEY("treatment") OR INDEXTERMS("therapeutics") OR TITLE-ABS("therapeutics") OR**

**INDEXTERMS("treatment outcome") OR TITLE-ABS("treatment outcome"))))))) AND (depres\* AND diagnos\*)**

**Cognitive Behavioral Therapy (CBT) & Behavioral Activation & depression & RCT (3,105 Results 3/7/18)**

**(INDEXTERMS("behavior therapy") OR TITLE-ABS("behavior therapy") OR TITLE-ABS-KEY("behavioral therapy") OR TITLE-ABS-KEY("behavior therapies") OR TITLE-ABS-KEY("behavioral therapies") OR ((INDEXTERMS("behavior") OR TITLE-ABS-KEY("behavior") OR TITLE-ABS-KEY("behavioral"))) AND TITLE-ABS-KEY("activation") OR TITLE-ABS-KEY("activational") OR TITLE-ABS-KEY("activations") OR TITLE-ABS-KEY("activity") OR TITLE-ABS-KEY("activities")) OR (TITLE-ABS-KEY("ACT") OR TITLE-ABS-KEY("behavioral activation") OR "behavior activation" OR TITLE-ABS-KEY("behavioral activation therapy") OR TITLE-ABS-KEY("BA") OR TITLE-ABS-KEY("behavioral techniques") OR TITLE-ABS-KEY("BATD") OR TITLE-ABS-KEY("BATD R") OR TITLE-ABS-KEY("Brief behavioral activation treatment") OR TITLE-ABS-KEY("behavioral activity") OR TITLE-ABS-KEY("behavioral activities") OR TITLE-ABS-KEY("behaviour therapy") OR TITLE-ABS-KEY("behaviour therapies") OR TITLE-ABS-KEY("behavioural therapy") OR TITLE-ABS-KEY("behavioural therapies") OR TITLE-ABS-KEY("behavioural activation") OR TITLE-ABS-KEY("behaviour activation") OR TITLE-ABS-KEY("behavioural activation therapy") OR TITLE-ABS-KEY("behaviour techniques") OR TITLE-ABS-KEY("behavioural activity") OR TITLE-ABS-KEY("behavioural activities")) AND ((INDEXTERMS("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("behavioral") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive behavioral therapy") OR TITLE-ABS-KEY("CBT") OR TITLE-ABS-KEY("cognitive behavior therapy") OR INDEXTERMS("cognition") OR TITLE-ABS-KEY("cognitive behavior therapy") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive psychotherapy") OR TITLE-ABS-KEY("cognitive psychotherapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive behaviour therapy") OR TITLE-ABS-KEY("cognitive behavioural therapies"))) AND (((((INDEXTERMS("Mental Disorders/therapy") OR TITLE-ABS("mental disorders") OR TITLE-ABS-KEY("mental disorder") OR TITLE-ABS-KEY("Psychiatric Diagnosis") OR "Behavior Disorders" OR TITLE-ABS-KEY("severe mental disorder") OR TITLE-ABS-KEY("severe mental disorders") OR INDEXTERMS("Depressive Disorder, Major/therapy") OR TITLE-ABS("Major Depressive Disorders") OR TITLE-ABS-KEY("Major Depressive") OR TITLE-ABS-KEY("Major Depressive Disorder") OR TITLE-ABS-KEY("psychosis") OR TITLE-ABS-KEY("Psychosis") OR TITLE-ABS-KEY("psychoses") OR TITLE-ABS-KEY("major depression") OR TITLE-ABS-KEY("severe mental illness") OR "insanity" OR TITLE-ABS-KEY("mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorder") OR TITLE-ABS-KEY("depressed") OR TITLE-ABS-KEY("depression") OR TITLE-ABS-KEY("depressive") OR TITLE-ABS-KEY("depression were") OR TITLE-ABS-KEY("depression the") OR TITLE-ABS-KEY("depression symptoms") OR TITLE-ABS-KEY("depression severity") OR TITLE-ABS-KEY("severity of depression") OR TITLE-ABS-KEY("depression score") OR TITLE-ABS-KEY("depression scores") OR TITLE-ABS-KEY("depression rating") OR TITLE-ABS-KEY("depression ratings") OR INDEXTERMS("Depressive Disorder, Treatment-Resistant") OR TITLE-ABS("Treatment resistant depressive disorder") OR TITLE-ABS-KEY("depression in") OR TITLE-ABS-KEY("depression inventory") OR TITLE-ABS-KEY("depression and") OR TITLE-ABS-KEY("depression rating scale") OR TITLE-ABS-KEY("mdd") OR TITLE-ABS-KEY("major depression") OR INDEXTERMS("Depressive Disorder/therapy") OR INDEXTERMS("Depression/therapy")))))) AND ((((INDEXTERMS("clinical[Title") AND INDEXTERMS("trial[Title")) OR INDEXTERMS("clinical trials as topic") OR "clinical trial[Publication Type]" OR INDEXTERMS("random\*[Title") OR INDEXTERMS("random allocation") OR "therapeutic use[MeSH Subheading]"))) AND ((((("therapy[Subheading]" OR TITLE-ABS("therapy") OR TITLE-ABS-KEY("treatment") OR INDEXTERMS("therapeutics") OR TITLE-ABS("therapeutics") OR INDEXTERMS("treatment outcome") OR TITLE-ABS("treatment outcome")))))) AND (depres\* AND diagnos\*)**

**Supportive Counseling combined topic search: (13 Results 3/1/18)**

**( ( ( INDEXTERMS ( "exercise" ) OR TITLE-ABS ( "exercise" ) OR TITLE-ABS-KEY ( "physical activity" ) OR TITLE-ABS ( "walking" ) OR TITLE-ABS ( "running" ) OR TITLE-ABS ( "sports" ) OR INDEXTERMS ( "sports" ) OR TITLE-ABS-KEY ( "athletics" ) OR TITLE-ABS-KEY ( "sport" ) OR TITLE-ABS-KEY ( "athletic" ) OR TITLE-ABS-KEY ( "gym" ) OR INDEXTERMS ( "resistance training" ) OR TITLE-ABS ( "resistance training" ) OR TITLE-ABS-KEY ( "exercise program" ) OR TITLE-ABS-KEY ( "exercise programs" ) OR TITLE-ABS-KEY ( "strength training" ) OR TITLE-ABS-KEY ( "strength train" ) OR TITLE-ABS-KEY ( "weight lifting" ) OR TITLE-ABS-KEY ( "weight lift" ) OR TITLE-ABS-KEY ( "weight bearing exercise" ) OR TITLE-ABS-KEY ( "strengthening program" ) OR TITLE-ABS-KEY ( "strengthening programs" ) OR TITLE-ABS-KEY ( "fitness" ) OR INDEXTERMS ( "physical fitness" ) OR TITLE-ABS ( "physical fitness" ) OR INDEXTERMS ( "walking" ) OR INDEXTERMS ( "running" ) OR INDEXTERMS ( "jogging" ) OR TITLE-ABS ( "jogging" ) ) AND ( INDEXTERMS ( "cognitive therapy" ) OR ( TITLE-ABS-KEY ( "cognitive" ) AND TITLE-ABS-KEY ( "therapy" ) ) OR TITLE-ABS-KEY ( "cognitive therapy" ) OR ( TITLE-ABS-KEY ( "cognitive" ) AND TITLE-ABS-KEY ( "behavioral" ) AND TITLE-ABS-KEY ( "therapy" ) ) OR TITLE-ABS-KEY ( "cognitive behavioral therapy" ) OR TITLE-ABS-KEY ( "CBT" ) OR TITLE-ABS-KEY ( "cognitive behavior therapy" ) OR INDEXTERMS ( "cognition" ) OR TITLE-ABS-KEY ( "cognitive behavior therapy" ) OR TITLE-ABS-KEY ( "cognitive therapies" ) OR TITLE-ABS-KEY ( "cognitive therapies" ) OR TITLE-ABS-KEY ( "cognition therapy" ) OR TITLE-ABS-KEY ( "cognitive psychotherapy" ) OR TITLE-ABS-KEY ( "cognitive psychotherapies" ) OR TITLE-ABS-KEY ( "cognition therapy" ) OR TITLE-ABS-KEY ( "cognitive behaviour therapy" ) OR TITLE-ABS-KEY ( "cognitive behavioural therapies" ) ) AND ( ( ( INDEXTERMS ( "Mental Disorders/therapy" ) OR TITLE-ABS ( "mental disorders" ) OR TITLE-ABS-KEY ( "mental disorder" ) OR TITLE-ABS-KEY ( "Psychiatric Diagnosis" ) OR "Behavior Disorders" OR TITLE-ABS-KEY ( "severe mental disorder" ) OR TITLE-ABS-KEY ( "severe mental disorders" ) OR INDEXTERMS ( "Depressive Disorder, Major/therapy" ) OR TITLE-ABS ( "Major Depressive Disorders" ) OR TITLE-ABS-KEY ( "Major Depressive" ) OR TITLE-ABS-KEY ( "Major Depressive Disorder" ) OR TITLE-ABS-KEY ( "psychosis" ) OR TITLE-ABS-KEY ( "Psychosis" ) OR TITLE-ABS-KEY ( "psychoses" ) OR TITLE-ABS-KEY ( "major depression" ) OR TITLE-ABS-KEY ( "severe mental illness" ) OR "insanity" OR TITLE-ABS-KEY ( "mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorder" ) OR TITLE-ABS-KEY ( "depressed" ) OR TITLE-ABS-KEY ( "depression" ) OR TITLE-ABS-KEY ( "depressive" ) OR TITLE-ABS-KEY ( "depression were" ) OR TITLE-ABS-KEY ( "depression the" ) OR TITLE-ABS-KEY ( "depression symptoms" ) OR TITLE-ABS-KEY ( "depression severity" ) OR TITLE-ABS-KEY ( "severity off depression" ) OR TITLE-ABS-KEY ( "depression score" ) OR TITLE-ABS-KEY ( "depression scores" ) OR TITLE-ABS-KEY ( "depression rating" ) OR TITLE-ABS-KEY ( "depression ratings" ) OR INDEXTERMS ( "Depressive Disorder, Treatment-Resistant" ) OR TITLE-ABS ( "Treatment resistant depressive disorder" ) OR TITLE-ABS-KEY ( "depression in" ) OR TITLE-ABS-KEY ( "depression inventory" ) OR TITLE-ABS-KEY ( "depression and" ) OR TITLE-ABS-KEY ( "depression rating scale" ) OR TITLE-ABS-KEY ( "mdd" ) OR TITLE-ABS-KEY ( "major depression" ) OR INDEXTERMS ( "Depressive Disorder/therapy" ) OR INDEXTERMS ( "Depression/therapy" ) ) ) ) AND ( ( ( ( INDEXTERMS ( "clinical[title" ) AND INDEXTERMS ( "trial[Title" ) ) OR INDEXTERMS ( "clinical trials as topic" ) OR "clinical trial[publication type]" OR INDEXTERMS ( "random\*[Title" ) OR INDEXTERMS ( "random allocation" ) OR "therapeutic use[mesh subheading]" ) ) ) ) OR ( ( ( INDEXTERMS ( "behavior therapy" ) OR TITLE-ABS ( "behavior therapy" ) OR TITLE-ABS-KEY ( "behavioral therapy" ) OR TITLE-ABS-KEY ( "behavior therapies" ) OR TITLE-ABS-KEY ( "behavioral therapies" ) OR ( ( INDEXTERMS ( "behavior" ) OR TITLE-ABS-KEY ( "behavior" ) OR TITLE-ABS-KEY ( "behavioral" ) ) ) AND TITLE-ABS-KEY ( "activation" ) OR TITLE-ABS-KEY ( "activation" ) OR TITLE-ABS-KEY ( "activations" ) OR TITLE-ABS-KEY ( "activity" ) OR TITLE-ABS-KEY ( "activities" ) ) OR ( TITLE-ABS-KEY ( "ACT" ) OR TITLE-ABS-KEY ( "behavioral activation" ) OR "behavior activation" OR TITLE-ABS-KEY ( "behavioral activation therapy" ) OR TITLE-ABS-KEY ( "bar" ) OR TITLE-ABS-KEY ( "behavioral techniques" ) OR TITLE-ABS-KEY ( "bartd" ) OR TITLE-ABS-KEY ( "bartd r" ) OR TITLE-ABS-KEY ( "Brief behavioral activation treatment" ) OR TITLE-ABS-KEY ( "behavioral activity" ) OR TITLE-ABS-KEY ( "behavioral activities" ) OR TITLE-ABS-KEY ( "behaviour therapy" ) OR TITLE-ABS-KEY ( "behaviour therapies" ) OR TITLE-ABS-KEY ( "behavioural therapy" ) OR TITLE-ABS-KEY ( "behavioural therapies" ) OR TITLE-ABS-KEY ( "behavioural activation" ) OR TITLE-ABS-KEY ( "behaviour activation" ) OR TITLE-ABS-KEY ( "behavioural activation therapy" ) OR TITLE-ABS-KEY ( "behaviour techniques" ) OR TITLE-ABS-KEY ( "behavioural activity" ) OR TITLE-ABS-KEY ( "behavioural activities" ) ) AND ( ( INDEXTERMS ( "exercise" ) OR TITLE-ABS ( "exercise" ) OR TITLE-ABS-KEY ( "physical activity" ) OR TITLE-ABS ( "walking" ) OR TITLE-ABS ( "running" ) OR TITLE-ABS ( "sports" ) OR INDEXTERMS ( "sports" ) OR TITLE-ABS-KEY ( "athletics" ) OR TITLE-ABS-KEY ( "sport" ) OR TITLE-ABS-KEY ( "athletic" ) OR TITLE-ABS-KEY ( "gym" ) OR INDEXTERMS ( "resistance training" ) OR TITLE-ABS ( "resistance training" ) OR TITLE-ABS-KEY ( "exercise program" ) OR TITLE-ABS-KEY ( "exercise programs" ) OR TITLE-ABS-KEY ( "strength training" ) OR TITLE-ABS-KEY ( "strength train" ) OR TITLE-ABS-KEY ( "weight lifting" ) OR TITLE-ABS-KEY ( "weight lift" ) OR TITLE-ABS-KEY ( "weight bearing exercise" ) OR TITLE-ABS-KEY ( "strengthening program" ) OR TITLE-ABS-KEY ( "strengthening programs" ) OR TITLE-ABS-KEY ( "fitness" ) OR INDEXTERMS ( "physical fitness" ) OR TITLE-ABS ( "physical fitness" ) OR INDEXTERMS ( "walking" ) OR INDEXTERMS ( "running" ) OR INDEXTERMS ( "jogging" ) OR TITLE-ABS ( "jogging" ) ) ) ) AND ( ( ( ( ( INDEXTERMS ( "Mental Disorders/therapy" ) OR TITLE-ABS ( "mental disorders" ) OR TITLE-ABS-KEY ( "mental disorder" ) OR TITLE-ABS-KEY ( "Psychiatric Diagnosis" ) OR "Behavior Disorders" OR TITLE-ABS-KEY ( "severe mental disorder" ) OR TITLE-ABS-KEY ( "severe mental disorders" ) OR INDEXTERMS ( "Depressive Disorder, Major/therapy" ) OR TITLE-ABS ( "Major Depressive Disorders" ) OR TITLE-ABS-KEY ( "Major Depressive" ) OR TITLE-ABS-KEY ( "Major Depressive Disorder" ) OR TITLE-ABS-KEY ( "psychosis" ) OR TITLE-ABS-KEY ( "Psychosis" ) OR TITLE-ABS-KEY ( "psychoses" ) OR TITLE-ABS-KEY ( "major depression" ) OR TITLE-ABS-KEY ( "severe mental illness" ) OR "insanity" OR TITLE-ABS-KEY ( "mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorder" ) OR TITLE-ABS-KEY ( "depressed" ) OR TITLE-ABS-KEY ( "depression" ) OR TITLE-ABS-KEY ( "depressive" ) OR TITLE-ABS-KEY ( "depression were" ) OR TITLE-ABS-KEY ( "depression the" ) OR TITLE-ABS-KEY ( "depression symptoms" ) OR TITLE-ABS-KEY ( "depression severity" ) OR TITLE-ABS-KEY ( "severity off depression" ) OR TITLE-ABS-KEY ( "depression score" ) OR TITLE-ABS-KEY ( "depression scores" ) OR TITLE-ABS-KEY ( "depression rating" ) OR TITLE-ABS-KEY ( "depression ratings" ) OR INDEXTERMS ( "Depressive Disorder, Treatment-Resistant" ) OR TITLE-ABS ( "Treatment resistant depressive disorder" ) OR TITLE-ABS-KEY ( "depression ion" ) OR TITLE-ABS-KEY ( "depression inventory" ) OR TITLE-ABS-KEY ( "depression and" ) OR TITLE-ABS-KEY ( "depression rating scale" ) OR TITLE-ABS-KEY ( "mdd" ) OR TITLE-ABS-KEY ( "major depression" ) OR INDEXTERMS ( "Depressive Disorder/therapy" ) OR INDEXTERMS ( "Depression/therapy" ) ) ) ) ) ) AND ( ( ( ( INDEXTERMS ( "clinical[title" ) AND INDEXTERMS ( "trial[Title" ) ) OR INDEXTERMS ( "clinical trials as topic" ) OR "clinical trial[publication type]" OR INDEXTERMS ( "random\*[Title" ) OR INDEXTERMS ( "random allocation" ) OR "therapeutic use[mesh subheading]" ) ) ) AND ( ( ( ( ( "therapy[subheading]" OR TITLE-ABS ( "therapy" ) OR TITLE-ABS-KEY ( "treatment" ) OR INDEXTERMS ( "therapeutics" ) OR TITLE-ABS ( "therapeutics" ) OR INDEXTERMS ( "treatment outcome" ) OR TITLE-ABS ( "treatment outcome" ) ) ) ) ) ) ) ) AND ( ( TITLE-ABS-KEY ( "supportive counseling" ) OR TITLE-ABS-KEY ( "supportive counselling" ) OR TITLE-ABS-KEY ( "supportive therapy" ) OR TITLE-ABS-KEY ( "supportive therapies" ) OR TITLE-ABS-KEY ( "person centered therapy" ) OR TITLE-ABS-KEY ( "person centered counseling" ) ) )**

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| --- |
| **Search Strategies for Clinical Trials.gov**  **Last date searched: 3/8/18** |

**Date last searched: 3/8/18**

[**clinicaltrials.gov**](http://clinicaltrials.gov/)

**Search #1:**

**13 Studies found for: Behavioral Activation AND Control AND depression | Completed Studies | Studies With Results | Interventional Studies**

**Also searched for Depressive Disorders and Controlled.** [**See Search Details**](https://clinicaltrials.gov/ct2/results/details?term=Behavioral+Activation+AND+Control+AND+depression&recrs=e&rslt=With&type=Intr)

**Applied Filters:  Completed  With Results  Interventional**

**​Search #2**

**​**

**8 Studies found for: Exercise AND Cognitive Behavioral Therapy AND depression | Studies With Results | Interventional Studies**

**Also searched for Treatment.** [**See Search Details**](https://clinicaltrials.gov/ct2/results/details?term=Exercise+AND+Cognitive+Behavioral+Therapy+AND+depression&rslt=With&type=Intr)

**Applied Filters:  With Results  Interventional**

**​**

**Search #3**

**7 Studies found for: Counseling ​AND Exercise AND depression | Studies With Results | Interventional Studies**

**Also searched for Physical Activities.** [**See Search Details**](https://clinicaltrials.gov/ct2/results/details?term=Counseling+%E2%80%8BAND+Exercise+AND+depression&rslt=With&type=Intr)

**Applied Filters:  With Results  Interventional**

**Search #​4**

**21 Studies found for: Behavioral Activation | Studies With Results | Interventional Studies | depression**

**Also searched for Depressive Disorders and Behavior.** [**See Search Details**](https://clinicaltrials.gov/ct2/results/details?term=Behavioral+Activation&rslt=With&type=Intr&cond=depression)

**Applied Filters:  With Results  Interventional**

**Search​ #​5**

**​5 Studies found for:**

**​Supportive Counseling**

**| Studies With Results | Interventional Studies | depression**

**Also searched for Depressive Disorders and Behavior.** [**See Search Details**](https://clinicaltrials.gov/ct2/results/details?term=Behavioral+Activation&rslt=With&type=Intr&cond=depression)

**Applied Filters:  With Results  Interventional**

**Search​ #6**

**​50 Studies found for:**

**​Cognitive Behavioral Therapy**

**| Studies With Results | Interventional Studies | depression**

**Also searched for Depressive Disorders and Behavior.** [**See Search Details**](https://clinicaltrials.gov/ct2/results/details?term=Behavioral+Activation&rslt=With&type=Intr&cond=depression)

**Applied Filters:  With Results  Interventional**

**Search #​7**

**​20​ Studies found for:**

**​Exercise**

**| Studies With Results | Interventional Studies | depression**

**Also searched for Depressive Disorders and Behavior.** [**See Search Details**](https://clinicaltrials.gov/ct2/results/details?term=Behavioral+Activation&rslt=With&type=Intr&cond=depression)

**Applied Filters:  With Results  Interventional**

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| **Search Strategies for PsychiatryOnline.org**  **Last date searched: 3/2/18** |

|  |  |
| --- | --- |
| **Search #1**  **3 Results Date last searched 3.2.18** |  |
| **Search: Behavioral Activation AND Control AND depression AND Randomized Searched Within: Depressive Disorders Articles American Journal of Psychiatry** | |

**Search #2:   
11 Results Date last searched 3.2.18**

**Search: Exercise AND Cognitive Behavioral Therapy AND depression AND randomized  
 ​Searched ​within​:​  Cognitive-Behavioral Therapy American Journal of Psychiatry Since 2011**

**Search #3:**

**​11 Results Date last searched 3.2.18  
Search: Supportive AND Exercise AND depression AND randomized  
​Searched ​within​:​   Depressive Disorders American Journal of Psychiatry Since 2011**

This is a two year update to a previous network meta-analysis search from March 7, 2018. The search update searched the same databases (PubMed Legacy-NLM, Embase-Elsevier, Cochrane Central-Wiley, Scopus-Elsevier, PsycInfo-EBSCOHost) and grey literature sources (Clinicaltrials.gov and Psychiatry Online) previously searched using the same search strategies. There were 7 searches for each database. The search update was completed on March 10th, 2020.

PubMed Legacy (NLM)

|  |
| --- |
| Behavioral Activation & Control Search  Date last searched: 3/9/2020 245 results  ("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) AND ((("control groups"[MeSH Terms] OR (("control"[tw] AND "groups"[tw]) OR (control[tw] AND group[tw]) OR (placebo[tw] AND group[tw]) OR (placebo[tw] AND groups[tw])) OR "control groups"[tiab] OR "control group"[tw] OR "controlled group"[tw] OR "controlled groups"[tw] OR "controls group"[tw] OR "placebo group"[tw] OR placebo[tw] OR "placebo controlled"[tw] OR "standard treatment"[tw] OR "standard treatments"[tw] OR "gold standard"[tw] OR "Placebos"[Mesh] OR placebos[tiab] OR "sham treatment"[tw] OR "sham treatments"[tw]))) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab]))))) NOT (((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh]))))))) AND ( ( "2018/03/8"[PDat] : "3000/12/31"[PDat] ) )  Exercise & Behavioral Activation Search  Date last searched: 3/9/2020 161 results  (("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) AND (("exercise"[MeSH Terms] OR "exercise"[tiab] OR "physical activity"[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR "sports"[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR "resistance training"[tiab] OR "exercise program"[tw] OR "exercise programs"[tw] OR "strength training"[tw] OR "strength train"[tw] OR "weight lifting"[tw] OR "weight lift"[tw] OR "weight bearing exercise"[tw] OR "strengthening program"[tw] OR "strengthening programs"[tw] OR fitness[tw] OR "physical fitness"[MESH] OR "physical fitness"[tiab] OR "walking"[MESH] OR "running"[MESH] OR "jogging"[MESH] OR jogging[tiab]))) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab]))))) NOT (((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh]))))))) AND ( ( "2018/03/8"[PDat] : "3000/12/31"[PDat] ) )  Search 3: Exercise & Control Search  Date last searched: 2/26/2020  132 results  ("exercise"[MeSH Terms] OR "exercise"[tiab] OR “physical activity”[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR “sports”[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR “resistance training”[tiab] OR “exercise program”[tw] OR “exercise programs”[tw] OR “strength training”[tw] OR “strength train”[tw] OR “weight lifting”[tw] OR “weight lift”[tw] OR “weight bearing exercise”[tw] OR “strengthening program”[tw] OR “strengthening programs”[tw] OR fitness[tw] OR “physical fitness”[MESH] OR “physical fitness”[tiab] OR “walking”[MESH] OR “running”[MESH] OR “jogging”[MESH] OR jogging[tiab]) AND ((("control groups"[MeSH Terms] OR (("control"[tw] AND "groups"[tw]) OR (control[tw] AND group[tw]) OR (placebo[tw] AND group[tw]) OR (placebo[tw] AND groups[tw])) OR "control groups"[tiab] OR “control group”[tw] OR “controlled group”[tw] OR “controlled groups”[tw] OR “controls group”[tw] OR “placebo group”[tw] OR placebo[tw] OR “placebo controlled”[tw] OR “standard treatment”[tw] OR “standard treatments”[tw] OR “gold standard”[tw] OR "Placebos"[Mesh] OR placebos[tiab] OR “sham treatment”[tw] OR “sham treatments”[tw]))) AND ((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND (((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab])))) NOT (((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh]))))) AND ( ( "2018/03/8"[PDat] : "3000/12/31"[PDat] ) )  Search 4: Exercise & Cognitive Behavioral Therapy (CBT) Search  Date last searched: 3/9/2020 84 results  ("exercise"[MeSH Terms] OR "exercise"[tiab] OR “physical activity”[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR “sports”[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR “resistance training”[tiab] OR “exercise program”[tw] OR “exercise programs”[tw] OR “strength training”[tw] OR “strength train”[tw] OR “weight lifting”[tw] OR “weight lift”[tw] OR “weight bearing exercise”[tw] OR “strengthening program”[tw] OR “strengthening programs”[tw] OR fitness[tw] OR “physical fitness”[MESH] OR “physical fitness”[tiab] OR “walking”[MESH] OR “running”[MESH] OR “jogging”[MESH] OR jogging[tiab]) AND ("Cognitive Behavioral Therapy"[Mesh] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR “cognitive behavior therapy”[tw] OR “cognition”[MESH] OR “cognitive behavior therapy”[tw] OR “cognitive therapies”[tw] OR “cognitive therapies”[tw] OR “cognition therapy”[tw] OR “cognitive psychotherapy”[tw] OR “cognitive psychotherapies”[tw] OR “cognition therapy”[tw] OR “cognitive behaviour therapy”[tw] OR “cognitive behavioural therapies”[tw]) AND ((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ( ( "2018/03/8"[PDat] : "3000/12/31"[PDat] ) )  Search 5: Cognitive Behavioral Therapy (CBT) & Control Search  Date last searched: 3/9/2020 363 results  ("Cognitive Behavioral Therapy"[Mesh] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR "cognitive behavior therapy"[tw] OR "cognition"[MESH] OR "cognitive behavior therapy"[tw] OR "cognitive therapies"[tw] OR "cognitive therapies"[tw] OR "cognition therapy"[tw] OR "cognitive psychotherapy"[tw] OR "cognitive psychotherapies"[tw] OR "cognition therapy"[tw] OR "cognitive behaviour therapy"[tw] OR "cognitive behavioural therapies"[tw]) AND (((("control groups"[MeSH Terms] OR (("control"[tw] AND "groups"[tw]) OR (control[tw] AND group[tw]) OR (placebo[tw] AND group[tw]) OR (placebo[tw] AND groups[tw])) OR "control groups"[tiab] OR "control group"[tw] OR "controlled group"[tw] OR "controlled groups"[tw] OR "controls group"[tw] OR "placebo group"[tw] OR placebo[tw] OR "placebo controlled"[tw] OR "standard treatment"[tw] OR "standard treatments"[tw] OR "gold standard"[tw] OR "Placebos"[Mesh] OR placebos[tiab] OR "sham treatment"[tw] OR "sham treatments"[tw])))) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND (((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab])))))) NOT ((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh])))))) AND ( ( "2018/03/8"[PDat] : "3000/12/31"[PDat] ) )  Search 6: Cognitive Behavioral Therapy (CBT) & Behavioral Activation Search  Date last searched: 3/9/2020 273 results  ("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) AND (("cognitive behavioral therapy"[MeSH Terms] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR “cognitive behavior therapy”[tw] OR “cognition”[MESH] OR “cognitive behavior therapy”[tw] OR “cognitive therapies”[tw] OR “cognitive therapies”[tw] OR “cognition therapy”[tw] OR “cognitive psychotherapy”[tw] OR “cognitive psychotherapies”[tw] OR “cognition therapy”[tw] OR “cognitive behaviour therapy”[tw] OR “cognitive behavioural therapies”[tw])) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment-Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab]))))) NOT (((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh]))))))) AND ( ( "2018/03/8"[PDat] : "3000/12/31"[PDat] ) )  Search 7: Supportive Counseling & (behavioral Activation, Cognitive behavioral therapy, & Exercise)  Date last searched: 3/9/2020 6 results  ("behavior therapy"[MESH] OR "behavior therapy"[tiab] OR "behavioral therapy"[tw] OR "behavior therapies"[tw] OR "behavioral therapies"[tw] OR (("behavior"[MeSH Terms] OR "behavior"[tw] OR "behavioral"[tw])) AND activation[tw] OR activational[tw] OR activations[tw] OR activity[tw] OR activities[tw]) OR (ACT[tw] OR "behavioral activation"[tw] OR "behavior activation" OR "behavioral activation therapy"[tw] OR BA[tw] OR "behavioral techniques"[tw] OR BATD[tw] OR "BATD R"[tw] OR "Brief behavioral activation treatment"[tw] OR "behavioral activity"[tw] OR "behavioral activities"[tw] OR "behaviour therapy"[tw] OR "behaviour therapies"[tw] OR "behavioural therapy"[tw] OR "behavioural therapies"[tw] OR "behavioural activation"[tw] OR "behaviour activation"[tw] OR "behavioural activation therapy"[tw] OR "behaviour techniques"[tw] OR "behavioural activity"[tw] OR "behavioural activities"[tw]) OR ("exercise"[MeSH Terms] OR "exercise"[tiab] OR “physical activity”[tw] OR walking[tiab] OR running[tiab] OR sports[tiab] OR “sports”[MESH] OR athletics[tw] OR sport[tw] OR athletic[tw] OR gym[tw] OR "Resistance Training"[Mesh] OR “resistance training”[tiab] OR “exercise program”[tw] OR “exercise programs”[tw] OR “strength training”[tw] OR “strength train”[tw] OR “weight lifting”[tw] OR “weight lift”[tw] OR “weight bearing exercise”[tw] OR “strengthening program”[tw] OR “strengthening programs”[tw] OR fitness[tw] OR “physical fitness”[MESH] OR “physical fitness”[tiab] OR “walking”[MESH] OR “running”[MESH] OR “jogging”[MESH] OR jogging[tiab]) OR ("cognitive behavioral therapy"[MeSH Terms] OR ("cognitive"[tw] AND "therapy"[tw]) OR "cognitive therapy"[tw] OR ("cognitive"[tw] AND "behavioral"[tw] AND "therapy"[tw]) OR "cognitive behavioral therapy"[tw] OR CBT[tw] OR “cognitive behavior therapy”[tw] OR “cognition”[MESH] OR “cognitive behavior therapy”[tw] OR “cognitive therapies”[tw] OR “cognitive therapies”[tw] OR “cognition therapy”[tw] OR “cognitive psychotherapy”[tw] OR “cognitive psychotherapies”[tw] OR “cognition therapy”[tw] OR “cognitive behaviour therapy”[tw] OR “cognitive behavioural therapies”[tw]) OR(“supportive counseling”[tw] OR “supportive counselling”[tw] OR “supportive therapy”[tw] OR “supportive therapies”[tw] OR “person centered therapy”[tw] OR “person centered counseling”[tw] AND (supportive[tw] AND ("counselling"[tw] OR "counseling"[MeSH Terms] OR "counseling"[tiab])) AND ((((("Mental Disorders/therapy"[Mesh] OR "mental disorders"[tiab] OR "mental disorder"[tw] OR "Psychiatric Diagnosis"[tw] OR "Behavior Disorders" OR "severe mental disorder"[tw] OR "severe mental disorders"[tw] OR "Depressive Disorder, Major/therapy"[Mesh] OR "Major Depressive Disorders"[tiab] OR "Major Depressive"[tw] OR "Major Depressive Disorder"[tw] OR psychosis[tw] OR Psychosis[tw] OR psychoses[tw] OR "major depression"[tw] OR "severe mental illness"[tw] OR insanity OR "mental disorders"[tw] OR "diagnosed mental disorders"[tw] OR "diagnosed mental disorder"[tw] OR depressed[tw] OR depression[tw] OR depressive[tw] OR "depression were"[tw] OR "depression the"[tw] OR "depression symptoms"[tw] OR "depression severity"[tw] OR "severity of depression"[tw] OR "depression score"[tw] OR "depression scores"[tw] OR "depression rating"[tw] OR "depression ratings"[tw] OR "Depressive Disorder, Treatment Resistant"/therapy[Mesh] OR "Treatment resistant depressive disorder"[tiab] OR "depression in"[tw] OR "depression inventory"[tw] OR "depression and"[tw] OR "depression rating scale"[tw] OR mdd[tw] OR "major depression"[tw] OR "Depressive Disorder/therapy"[Mesh] OR "Depression/therapy"[Mesh]))))) AND ((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading]))) AND ((((("therapy"[Subheading] OR "therapy"[tiab] OR "treatment"[tw] OR "therapeutics"[MeSH Terms] OR "therapeutics"[tiab] OR "treatment outcome"[MESH] OR "treatment outcome"[tiab]))))) NOT (((((("Animals"[Mesh] NOT ("Animals"[Mesh] AND "Humans"[Mesh]))))))) AND ( ( "2018/03/8"[PDat] : "3000/12/31"[PDat] ) ) |

Embase (Elsevier)

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| Behavioral Activation & Control Search  Date last searched: 3/9/2020 892 results  ('exercise'/syn OR 'exercise' OR 'kinesiotherapy'/syn OR 'kinesiotherapy' OR 'treadmill exercise'/syn OR 'treadmill exercise' OR 'aerobic exercise'/syn OR 'aerobic exercise' OR 'fitness'/syn OR 'fitness' OR 'resistance training'/syn OR 'resistance training' OR 'sport'/syn OR 'sport' OR 'physical activity'/syn OR 'physical activity' OR 'walking'/syn OR 'walking' OR 'running'/syn OR 'running' OR 'treadmill'/syn OR 'treadmill' OR 'jogging'/syn OR 'jogging' OR exercis\*:ti,ab OR 'physical activit\*':ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR 'resistance train\*':ti,ab OR 'strength\* program\*':ti,ab) AND ('control groups'/exp OR 'control groups' OR ((control\* NEAR/3 group\*):ti,ab) OR ((placebo\* NEAR/3 group\*):ti,ab) OR 'control\* group\*':ti,ab OR 'placebo\* group\*':ti,ab OR placebo:ti,ab OR ((placebo\* NEAR/3 control\*):ti,ab) OR 'standard treatment\*':ti,ab OR 'gold standard':ti,ab OR 'placebos'/exp OR 'placebos' OR 'sham treatment\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy'/exp OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease'/exp OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression'/exp OR 'major depression' OR 'depression'/syn OR 'depression'/exp OR 'depression' OR 'psychosis'/syn OR 'psychosis'/exp OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression'/exp OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy'/exp OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome'/exp OR 'treatment outcome') AND ('randomized controlled trial'/exp OR 'randomized controlled trial' OR 'randomization'/exp OR 'randomization' OR 'single blind procedure'/exp OR 'single blind procedure' OR 'double blind procedure'/exp OR 'double blind procedure' OR 'crossover procedure'/exp OR 'crossover procedure' OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation'/exp OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*)) AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de) NOT ([animals]/lim NOT 'human'/exp) AND [3-8-2018]/sd NOT [4-1-2020]/sd  Exercise & Behavioral Activation Search  Date last searched: 3/9/2020 281 results  ('behavior therapy'/syn OR 'behavior therapy':ti,ab OR 'behavioral therapy':ti,ab OR 'behavior therapies':ti,ab OR 'behavioral therapies':ti,ab OR 'behavioral activation':ti,ab,de,tn OR 'behavior activation' OR 'behavioral activation therapy':ti,ab OR 'ba':ti,ab OR 'behavioral techniques':ti,ab OR 'batd':ti,ab OR 'batd r':ti,ab OR 'brief behavioral activation treatment':ti,ab OR 'behavioral activity':ti,ab OR 'behavioral activities':ti,ab OR 'behaviour therapy':ti,ab OR 'behaviour therapies':ti,ab OR 'behavioural therapy':ti,ab OR 'behavioural therapies':ti,ab OR 'behavioural activation':ti,ab OR 'behaviour activation':ti,ab OR 'behavioural activation therapy':ti,ab OR 'behaviour techniques':ti,ab OR 'behavioural activity':ti,ab OR 'behavioural activities':ti,ab OR (((behavior\* OR behavioral) NEXT/7 activit\*):ab,ti)) AND ('exercise'/syn OR 'kinesiotherapy'/syn OR 'treadmill exercise'/syn OR 'aerobic exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'treadmill'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR 'physical activit\*':ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR 'resistance train\*':ti,ab OR 'strength\* program\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*)) NOT ([animals]/lim NOT 'human'/exp) AND [3-8-2018]/sd NOT [4-1-2020]/sd  Exercise & Control Group Search  Date last searched: 3/9/2020 355 results  ('exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR 'physical activit\*':ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport?:ti,ab OR gym:ti,ab OR 'resistance train\*':ti,ab OR 'strength program\*':ti,ab OR 'aerobic exercise':ti,ab) AND ('control groups'/exp OR ((control\* NEAR/3 group\*):ti,ab) OR ((placebo\* NEAR/3 group\*):ti,ab) OR 'control\* group\*':ti,ab OR 'placebo\* group\*':ti,ab OR placebo:ti,ab OR ((placebo\* NEAR/3 control\*):ti,ab) OR 'standard treatment\*':ti,ab OR 'gold standard':ti,ab OR 'placebos'/exp OR 'sham treatment\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*)) AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de) NOT ([animals]/lim NOT 'human'/exp) AND [3-8-2018]/sd NOT [4-1-2020]/sd  Exercise & Cognitive Behavioral Therapy (CBT) Search  Date last searched: 3/9/2020 370 results  ('cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab) AND ('exercise'/syn OR 'kinesiotherapy'/syn OR 'treadmill exercise'/syn OR 'aerobic exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'treadmill'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR 'physical activit\*':ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR 'resistance train\*':ti,ab OR 'strength\* program\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*)) AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de) NOT ([animals]/lim NOT 'human'/exp) AND [3-8-2018]/sd NOT [4-1-2020]/sd  Cognitive Behavioral Therapy (CBT) & Control Search  Date last searched: 3/9/2020 654 results  ('cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab) AND ('control groups'/exp OR ((control\* NEAR/3 group\*):ti,ab) OR ((placebo\* NEAR/3 group\*):ti,ab) OR 'control\* group\*':ti,ab OR 'placebo\* group\*':ti,ab OR placebo:ti,ab OR ((placebo\* NEAR/3 control\*):ti,ab) OR 'standard treatment\*':ti,ab OR 'gold standard':ti,ab OR 'placebos'/exp OR 'sham treatment\*':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*)) AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de) NOT ([animals]/lim NOT 'human'/exp) AND [3-8-2018]/sd NOT [4-1-2020]/sd  Cognitive Behavioral Therapy (CBT) & Behavioral Activation Search  Date last searched: 3/9/2020 653 results  ('behavior therapy'/syn OR 'behavior therapy':ti,ab OR 'behavioral therapy':ti,ab OR 'behavior therapies':ti,ab OR 'behavioral therapies':ti,ab OR 'behavioral activation':ti,ab,de,tn OR 'behavior activation' OR 'behavioral activation therapy':ti,ab OR 'ba':ti,ab OR 'behavioral techniques':ti,ab OR 'batd':ti,ab OR 'batd r':ti,ab OR 'brief behavioral activation treatment':ti,ab OR 'behavioral activity':ti,ab OR 'behavioral activities':ti,ab OR 'behaviour therapy':ti,ab OR 'behaviour therapies':ti,ab OR 'behavioural therapy':ti,ab OR 'behavioural therapies':ti,ab OR 'behavioural activation':ti,ab OR 'behaviour activation':ti,ab OR 'behavioural activation therapy':ti,ab OR 'behaviour techniques':ti,ab OR 'behavioural activity':ti,ab OR 'behavioural activities':ti,ab OR (((behavior\* OR behavioral) NEXT/7 activit\*):ab,ti)) AND ('cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*)) AND ('depression'/de OR 'major depression'/de OR 'mental disease'/de) NOT ([animals]/lim NOT 'human'/exp) AND [3-8-2018]/sd NOT [4-1-2020]/sd  Supportive Counseling combined topic search:  Date last searched: 3/9/2020 13 results  ('behavior therapy'/syn OR 'behavior therapy':ti,ab OR 'behavioral therapy':ti,ab OR 'behavior therapies':ti,ab OR 'behavioral therapies':ti,ab OR 'behavioral activation':ti,ab,de,tn OR 'behavior activation' OR 'behavioral activation therapy':ti,ab OR 'ba':ti,ab OR 'behavioral techniques':ti,ab OR 'batd':ti,ab OR 'batd r':ti,ab OR 'brief behavioral activation treatment':ti,ab OR 'behavioral activity':ti,ab OR 'behavioral activities':ti,ab OR 'behaviour therapy':ti,ab OR 'behaviour therapies':ti,ab OR 'behavioural therapy':ti,ab OR 'behavioural therapies':ti,ab OR 'behavioural activation':ti,ab OR 'behaviour activation':ti,ab OR 'behavioural activation therapy':ti,ab OR 'behaviour techniques':ti,ab OR 'behavioural activity':ti,ab OR 'behavioural activities':ti,ab OR (((behavior\* OR behavioral) NEXT/7 activit\*):ti,ab) OR 'cognitive therapy'/syn OR ((cognitive NEAR/3 therap\*):ti,ab) OR (cognitive:ti,ab AND behavior\*:ti,ab AND therap\*:ti,ab) OR 'cognitive behavioral therap\*':ti,ab OR cbt:ti,ab OR 'cognition'/syn OR 'cognitive therap\*':ti,ab OR 'cognitive psychotherap\*':ti,ab OR 'cognition therap\*':ti,ab OR 'cognitive behaviour therap\*':ti,ab OR 'cognitive behavioural':ti,ab OR 'exercise'/syn OR 'kinesiotherapy'/syn OR 'treadmill exercise'/syn OR 'aerobic exercise'/syn OR 'fitness'/syn OR 'resistance training'/syn OR 'sport'/syn OR 'physical activity'/syn OR 'walking'/syn OR 'running'/syn OR 'treadmill'/syn OR 'jogging'/syn OR exercis\*:ti,ab OR 'physical activit\*':ti,ab OR walk\*:ti,ab OR run\*:ti,ab OR sport\*:ti,ab OR athletic:ti,ab OR gym:ti,ab OR 'resistance train\*':ti,ab OR 'strength\* program\*':ti,ab) AND ('supportive counseling':ti,ab OR 'supportive counselling':ti,ab OR 'supportive therap\*':ti,ab OR 'person centered therap\*':ti,ab OR 'person centered counsel\*':ti,ab) AND ((supportive NEAR/3 counsel\*):ti,ab) AND ('mental disorders therapy'/syn OR 'mental disorders therapy' OR 'mental disease'/syn OR 'mental disease' OR 'mental disorder\*':ti,ab OR 'psych\* diagnos\*':ti,ab OR 'behav\* disorder\*':ti,ab OR 'severe mental illness'/exp OR 'severe mental illness' OR 'severe mental disorder\*':ti,ab OR 'major depression'/syn OR 'major depression' OR 'depression'/syn OR 'depression' OR 'psychosis'/syn OR 'psychosis' OR insanity:ti,ab OR 'mental disorders':ti,ab OR 'mental disorders diagnosis'/exp OR 'mental disorders diagnosis' OR 'diagnosed mental disorder\*':ti,ab OR 'depression symptoms':ti,ab OR 'depression severity':ti,ab OR 'severity of depression':ti,ab OR 'depression score\*':ti,ab OR 'depression rating\*':ti,ab OR 'treatment resistant depression'/syn OR 'treatment resistant depression' OR 'depression in\*':ti,ab OR 'depression inventor\*':ti,ab OR 'depression rating scale\*':ti,ab OR 'mdd':ti,ab) AND (therapy:ti,ab OR treatment:ti,ab OR 'therapy'/syn OR 'therapy' OR 'treatment outcome'/syn OR 'treatment outcome') AND ('randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR ('randomi?ed controlled' NEXT/1 trial\*) OR rct OR 'randomly allocated' OR 'allocated randomly' OR 'random allocation' OR (allocated NEAR/2 random) OR (single NEXT/1 blind\*) OR (double NEXT/1 blind\*) OR ((treble OR triple) NEAR/1 blind\*)) NOT ([animals]/lim NOT 'human'/exp) AND [3-8-2018]/sd NOT [4-1-2020]/sd |

Cochrane Central (Wiley)

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| Behavioral Activation & Control Search  Date last searched: 3/9/2020  603 results  #1 [mh "behavior therapy"] or [mh behavior]  #2 "behavior therapy":ti,ab,kw or "behavioral therapy":ti,ab,kw or "behavior therapies":ti,ab,kw or "behavioral therapies":ti,ab,kw  #3 ACT:ti,ab,kw or "behavioral activation":ti,ab,kw or "behavior activation" or "behavioral activation therapy":ti,ab,kw or BA:ti,ab,kw or "behavioral techniques":ti,ab,kw or BATD:ti,ab,kw or "BATD R":ti,ab,kw or "Brief behavioral activation treatment":ti,ab,kw or "behavioral activity":ti,ab,kw or "behavioral activities":ti,ab,kw or "behaviour therapy":ti,ab,kw or "behaviour therapies":ti,ab,kw or "behavioural therapy":ti,ab,kw or "behavioural therapies":ti,ab,kw or "behavioural activation":ti,ab,kw or "behaviour activation":ti,ab,kw or "behavioural activation therapy":ti,ab,kw or "behaviour techniques":ti,ab,kw or "behavioural activity":ti,ab,kw or "behavioural activities":ti,ab,kw  #4 "control groups":ti,ab,kw or "control group":ti,ab,kw or "controlled group":ti,ab,kw or "controlled groups":ti,ab,kw or "controls group":ti,ab,kw or "placebo group":ti,ab,kw or placebo:ti,ab,kw or "placebo controlled":ti,ab,kw or "standard treatment":ti,ab,kw or "standard treatments":ti,ab,kw or "gold standard":ti,ab,kw or placebos:ti,ab or "sham treatment":ti,ab,kw or "sham treatments":ti,ab,kw  #5 [mh "control groups"] or [mh Placebos]  #6 #1 or #2 or #3  #7 #4 or #5  #8 #6 and #7  #9 [mh "Mental Disorders"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity:ti,ab,kw or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw  #10 MeSH descriptor: [Mental Disorders] explode all trees and with qualifier(s): [therapy - TH]  #11 MeSH descriptor: [Depressive Disorder, Major] explode all trees and with qualifier(s): [therapy - TH]  #12 #9 OR #10 OR #11  #13 #8 AND #12  #14 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome"  #15 #13 AND #14 with Publication Year from 2018 to 2020, in Trials  Exercise & Behavioral Activation Search  Date last searched: 3/9/2020  72 results  #1  [mh "behavior therapy"]  #2  ACT:ti,ab,kw or "behavioral activation":ti,ab,kw or "behavior activation" or "behavioral activation therapy":ti,ab,kw or BA:ti,ab,kw or "behavioral techniques":ti,ab,kw or BATD:ti,ab,kw or "BATD R":ti,ab,kw or "Brief behavioral activation treatment":ti,ab,kw or "behavioral activity":ti,ab,kw or "behavioral activities":ti,ab,kw or "behaviour therapy":ti,ab,kw or "behaviour therapies":ti,ab,kw or "behavioural therapy":ti,ab,kw or "behavioural therapies":ti,ab,kw or "behavioural activation":ti,ab,kw or "behaviour activation":ti,ab,kw or "behavioural activation therapy":ti,ab,kw or "behaviour techniques":ti,ab,kw or "behavioural activity":ti,ab,kw or "behavioural activities":ti,ab,kw  #3  #1 OR #2  #4  [mh "Mental Disorders"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity:ti,ab,kw or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw  #5 MeSH descriptor: [Mental Disorders] explode all trees and with qualifier(s): [therapy - TH]  #6 MeSH descriptor: [Depressive Disorder, Major] explode all trees and with qualifier(s): [therapy - TH]  #7 #4 OR #5 OR #6  #8 #3 AND #7  #9 ([mh exercise] or exercise:ti,ab or "physical activity":ti,ab,kw or walking:ti,ab or running:ti,ab or sports:ti,ab or [mh sports] or athletics:ti,ab,kw or sport:ti,ab,kw or athletic:ti,ab,kw or gym:ti,ab,kw or [mh "Resistance Training"] or "resistance training":ti,ab or "exercise program":ti,ab,kw or "exercise programs":ti,ab,kw or "strength training":ti,ab,kw or "strength train":ti,ab,kw or "weight lifting":ti,ab,kw or "weight lift":ti,ab,kw or "weight bearing exercise":ti,ab,kw or "strengthening program":ti,ab,kw or "strengthening programs":ti,ab,kw or fitness:ti,ab,kw or [mh "physical fitness"] or "physical fitness":ti,ab or [mh walking] or [mh running] or [mh jogging] or jogging:ti,ab)  #10 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome"  #11 #8 AND #9 AND #10 with Publication Year from 2018 to 2020, in Trials  Exercise & Control Search  Date last searched: 3/9/2020  173 results  #1 ([mh exercise] or exercise:ti,ab or "physical activity":ti,ab,kw or walking:ti,ab or running:ti,ab or sports:ti,ab or [mh sports] or athletics:ti,ab,kw or sport:ti,ab,kw or athletic:ti,ab,kw or gym:ti,ab,kw or [mh "Resistance Training"] or "resistance training":ti,ab or "exercise program":ti,ab,kw or "exercise programs":ti,ab,kw or "strength training":ti,ab,kw or "strength train":ti,ab,kw or "weight lifting":ti,ab,kw or "weight lift":ti,ab,kw or "weight bearing exercise":ti,ab,kw or "strengthening program":ti,ab,kw or "strengthening programs":ti,ab,kw or fitness:ti,ab,kw or [mh "physical fitness"] or "physical fitness":ti,ab or [mh walking] or [mh running] or [mh jogging] or jogging:ti,ab)  #2 "control groups":ti,ab,kw or "control group":ti,ab,kw or "controlled group":ti,ab,kw or "controlled groups":ti,ab,kw or "controls group":ti,ab,kw or "placebo group":ti,ab,kw or placebo:ti,ab,kw or "placebo controlled":ti,ab,kw or "standard treatment":ti,ab,kw or "standard treatments":ti,ab,kw or "gold standard":ti,ab,kw or placebos:ti,ab or "sham treatment":ti,ab,kw or "sham treatments":ti,ab,kw  #3 [mh "Mental Disorders"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity:ti,ab,kw or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw  #4 MeSH descriptor: [Mental Disorders] explode all trees and with qualifier(s): [therapy - TH]  #5 MeSH descriptor: [Depressive Disorder, Major] explode all trees and with qualifier(s): [therapy - TH]  #6 #3 OR #4 OR #5  #7 [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome"  #8 #1 AND #2 AND #6 AND #7 with Publication Year from 2018 to 2020, in Trials  Exercise & Cognitive Behavioral Therapy (CBT) Search  Date last searched: 3/9/2020  142 results  #1  ([mh "cognitive behavioral therapy"] or (cognitive:ti,ab,kw and therapy:ti,ab,kw) or "cognitive therapy":ti,ab,kw or (cognitive:ti,ab,kw and behavioral:ti,ab,kw and therapy:ti,ab,kw) or "cognitive behavioral therapy":ti,ab,kw or CBT:ti,ab,kw or "cognitive behavior therapy":ti,ab,kw or [mh cognition] or "cognitive behavior therapy":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive psychotherapy":ti,ab,kw or "cognitive psychotherapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive behaviour therapy":ti,ab,kw or "cognitive behavioural therapies":ti,ab,kw)  #2  ([mh exercise] or exercise:ti,ab or "physical activity":ti,ab,kw or walking:ti,ab or running:ti,ab or sports:ti,ab or [mh sports] or athletics:ti,ab,kw or sport:ti,ab,kw or athletic:ti,ab,kw or gym:ti,ab,kw or [mh "Resistance Training"] or "resistance training":ti,ab or "exercise program":ti,ab,kw or "exercise programs":ti,ab,kw or "strength training":ti,ab,kw or "strength train":ti,ab,kw or "weight lifting":ti,ab,kw or "weight lift":ti,ab,kw or "weight bearing exercise":ti,ab,kw or "strengthening program":ti,ab,kw or "strengthening programs":ti,ab,kw or fitness:ti,ab,kw or [mh "physical fitness"] or "physical fitness":ti,ab or [mh walking] or [mh running] or [mh jogging] or jogging:ti,ab)  #3  [mh "Mental Disorders"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity:ti,ab,kw or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw  #4  MeSH descriptor: [Mental Disorders] explode all trees and with qualifier(s): [therapy - TH]  #5  MeSH descriptor: [Depressive Disorder, Major] explode all trees and with qualifier(s): [therapy - TH]  #6  #3 OR #4 OR #5  #7  [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome"  #8  #1 AND #2 AND #6 AND #7 with Publication Year from 2018 to 2020, in Trials  Cognitive Behavioral Therapy (CBT) & Control Search  Date last searched: 3/9/2020 403 results  #1  ([mh "cognitive behavioral therapy"] or (cognitive:ti,ab,kw and therapy:ti,ab,kw) or "cognitive therapy":ti,ab,kw or (cognitive:ti,ab,kw and behavioral:ti,ab,kw and therapy:ti,ab,kw) or "cognitive behavioral therapy":ti,ab,kw or CBT:ti,ab,kw or "cognitive behavior therapy":ti,ab,kw or [mh cognition] or "cognitive behavior therapy":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive psychotherapy":ti,ab,kw or "cognitive psychotherapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive behaviour therapy":ti,ab,kw or "cognitive behavioural therapies":ti,ab,kw)  #2  "control groups":ti,ab,kw or "control group":ti,ab,kw or "controlled group":ti,ab,kw or "controlled groups":ti,ab,kw or "controls group":ti,ab,kw or "placebo group":ti,ab,kw or placebo:ti,ab,kw or "placebo controlled":ti,ab,kw or "standard treatment":ti,ab,kw or "standard treatments":ti,ab,kw or "gold standard":ti,ab,kw or placebos:ti,ab or "sham treatment":ti,ab,kw or "sham treatments":ti,ab,kw  #3  [mh "Mental Disorders"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity:ti,ab,kw or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw  #4  MeSH descriptor: [Mental Disorders] explode all trees and with qualifier(s): [therapy - TH]  #5  MeSH descriptor: [Depressive Disorder, Major] explode all trees and with qualifier(s): [therapy - TH]  #6  #3 OR #4 OR #5  #7  [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome"  #8  #1 AND #2 AND #6 AND #7 with Publication Year from 2018 to 2020, in Trials  Cognitive Behavioral Therapy (CBT) & Behavioral Activation Search  Date last searched: 3/9/2020 713 results  #1  [mh "behavior therapy"] or [mh behavior]  #2  "behavior therapy":ti,ab,kw or "behavioral therapy":ti,ab,kw or "behavior therapies":ti,ab,kw or "behavioral therapies":ti,ab,kw  #3  ACT:ti,ab,kw or "behavioral activation":ti,ab,kw or "behavior activation" or "behavioral activation therapy":ti,ab,kw or BA:ti,ab,kw or "behavioral techniques":ti,ab,kw or BATD:ti,ab,kw or "BATD R":ti,ab,kw or "Brief behavioral activation treatment":ti,ab,kw or "behavioral activity":ti,ab,kw or "behavioral activities":ti,ab,kw or "behaviour therapy":ti,ab,kw or "behaviour therapies":ti,ab,kw or "behavioural therapy":ti,ab,kw or "behavioural therapies":ti,ab,kw or "behavioural activation":ti,ab,kw or "behaviour activation":ti,ab,kw or "behavioural activation therapy":ti,ab,kw or "behaviour techniques":ti,ab,kw or "behavioural activity":ti,ab,kw or "behavioural activities":ti,ab,kw  #4  ([mh "cognitive behavioral therapy"] or (cognitive:ti,ab,kw and therapy:ti,ab,kw) or "cognitive therapy":ti,ab,kw or (cognitive:ti,ab,kw and behavioral:ti,ab,kw and therapy:ti,ab,kw) or "cognitive behavioral therapy":ti,ab,kw or CBT:ti,ab,kw or "cognitive behavior therapy":ti,ab,kw or [mh cognition] or "cognitive behavior therapy":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive psychotherapy":ti,ab,kw or "cognitive psychotherapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive behaviour therapy":ti,ab,kw or "cognitive behavioural therapies":ti,ab,kw)  #5  #1 OR #2 OR #3  #6  #4 AND #5  #7  [mh "Mental Disorders"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity:ti,ab,kw or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw  #8  MeSH descriptor: [Mental Disorders] explode all trees and with qualifier(s): [therapy - TH]  #9  MeSH descriptor: [Depressive Disorder, Major] explode all trees and with qualifier(s): [therapy - TH]  #10  #7 OR #8 OR #9  #11  [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome"  #12  #6 AND #10 AND #11 with Publication Year from 2018 to 2020, in Trials  Supportive Counseling combined topic search:  Date last searched: 3/9/2020 13 results  #1  ("supportive counseling":ti,ab,kw or "supportive counselling":ti,ab,kw or "supportive therapy":ti,ab,kw or "supportive therapies":ti,ab,kw or "person centered therapy":ti,ab,kw or "person centered counseling":ti,ab,kw and (supportive:ti,ab,kw and (counselling:ti,ab,kw or [mh counseling] or counseling:ti,ab)))  #2  [mh "behavior therapy"] or [mh behavior]  #3  "behavior therapy":ti,ab,kw or "behavioral therapy":ti,ab,kw or "behavior therapies":ti,ab,kw or "behavioral therapies":ti,ab,kw  #4  ACT:ti,ab,kw or "behavioral activation":ti,ab,kw or "behavior activation" or "behavioral activation therapy":ti,ab,kw or BA:ti,ab,kw or "behavioral techniques":ti,ab,kw or BATD:ti,ab,kw or "BATD R":ti,ab,kw or "Brief behavioral activation treatment":ti,ab,kw or "behavioral activity":ti,ab,kw or "behavioral activities":ti,ab,kw or "behaviour therapy":ti,ab,kw or "behaviour therapies":ti,ab,kw or "behavioural therapy":ti,ab,kw or "behavioural therapies":ti,ab,kw or "behavioural activation":ti,ab,kw or "behaviour activation":ti,ab,kw or "behavioural activation therapy":ti,ab,kw or "behaviour techniques":ti,ab,kw or "behavioural activity":ti,ab,kw or "behavioural activities":ti,ab,kw  #5  ([mh "cognitive behavioral therapy"] or (cognitive:ti,ab,kw and therapy:ti,ab,kw) or "cognitive therapy":ti,ab,kw or (cognitive:ti,ab,kw and behavioral:ti,ab,kw and therapy:ti,ab,kw) or "cognitive behavioral therapy":ti,ab,kw or CBT:ti,ab,kw or "cognitive behavior therapy":ti,ab,kw or [mh cognition] or "cognitive behavior therapy":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognitive therapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive psychotherapy":ti,ab,kw or "cognitive psychotherapies":ti,ab,kw or "cognition therapy":ti,ab,kw or "cognitive behaviour therapy":ti,ab,kw or "cognitive behavioural therapies":ti,ab,kw)  #6  ([mh exercise] or exercise:ti,ab or "physical activity":ti,ab,kw or walking:ti,ab or running:ti,ab or sports:ti,ab or [mh sports] or athletics:ti,ab,kw or sport:ti,ab,kw or athletic:ti,ab,kw or gym:ti,ab,kw or [mh "Resistance Training"] or "resistance training":ti,ab or "exercise program":ti,ab,kw or "exercise programs":ti,ab,kw or "strength training":ti,ab,kw or "strength train":ti,ab,kw or "weight lifting":ti,ab,kw or "weight lift":ti,ab,kw or "weight bearing exercise":ti,ab,kw or "strengthening program":ti,ab,kw or "strengthening programs":ti,ab,kw or fitness:ti,ab,kw or [mh "physical fitness"] or "physical fitness":ti,ab or [mh walking] or [mh running] or [mh jogging] or jogging:ti,ab)  #7  #2 OR #3 OR #4 OR #5 OR #6  #8  #1 AND #7  #9  [mh "Mental Disorders"] or "mental disorders":ti,ab or "mental disorder":ti,ab,kw or "Psychiatric Diagnosis":ti,ab,kw or "Behavior Disorders" or "severe mental disorder":ti,ab,kw or "severe mental disorders":ti,ab,kw or "Major Depressive Disorders":ti,ab or "Major Depressive":ti,ab,kw or "Major Depressive Disorder":ti,ab,kw or psychosis:ti,ab,kw or Psychosis:ti,ab,kw or psychoses:ti,ab,kw or "major depression":ti,ab,kw or "severe mental illness":ti,ab,kw or insanity:ti,ab,kw or "mental disorders":ti,ab,kw or "diagnosed mental disorders":ti,ab,kw or "diagnosed mental disorder":ti,ab,kw or depressed:ti,ab,kw or depression:ti,ab,kw or depressive:ti,ab,kw or "depression were":ti,ab,kw or "depression the":ti,ab,kw or "depression symptoms":ti,ab,kw or "depression severity":ti,ab,kw or "severity of depression":ti,ab,kw or "depression score":ti,ab,kw or "depression scores":ti,ab,kw or "depression rating":ti,ab,kw or "depression ratings":ti,ab,kw  #10  MeSH descriptor: [Mental Disorders] explode all trees and with qualifier(s): [therapy - TH]  #11  MeSH descriptor: [Depressive Disorder, Major] explode all trees and with qualifier(s): [therapy - TH]  #12  #9 OR #10 OR #11  #13  #8 AND #12  #14  [mh therapeutics] or therapeutics:ti,ab,kw or [mh "treatment outcome"] or "treatment outcome"  #15  #13 AND #14 with Publication Year from 2018 to 2020, in Trials |

PsycInfo (EBSCOHost)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Behavioral Activation & Control  Date last searched: 3/10/2020 5 results  S1  ("behavior therapy" OR behavior therapy.ti,ab OR behavioral therapy.mp. OR behavior therapies.mp. OR behavioral therapies.mp. OR ((behavior OR behavior.mp. OR behavioral.mp.)) AND activation.mp. OR activational.mp. OR activations.mp. OR activity.mp. OR activities.mp.)  S2  (ACT.mp. OR behavioral activation.mp. OR behavior activation OR behavioral activation therapy.mp. OR BA.mp. OR behavioral techniques.mp. OR BATD.mp. OR BATD R.mp. OR Brief behavioral activation treatment.mp. OR behavioral activity.mp. OR behavioral activities.mp. OR behaviour therapy.mp. OR behaviour therapies.mp. OR behavioural therapy.mp. OR behavioural therapies.mp. OR behavioural activation.mp. OR behaviour activation.mp. OR behavioural activation therapy.mp. OR behaviour techniques.mp. OR behavioural activity.mp. OR behavioural activities.mp.)  S3  ((("control groups" OR ((control.mp. AND groups.mp.) OR (control.mp. AND group.mp.) OR (placebo.mp. AND group.mp.) OR (placebo.mp. AND groups.mp.)) OR control groups.ti,ab OR control group.mp. OR controlled group.mp. OR controlled groups.mp. OR controls group.mp. OR placebo group.mp. OR placebo.mp. OR placebo controlled.mp. OR standard treatment.mp. OR standard treatments.mp. OR gold standard.mp. OR Placebos OR placebos.ti,ab OR sham treatment.mp. OR sham treatments.mp.)))  S4  S1 OR S2  S5  S3 AND S4  S6  ((((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))))  S7  S5 AND S6  S8  MM "Clinical Trials" OR RCT OR randomized\*  S9  S7 AND S8  Added the limit:   |  | | --- | | Limiters - Published Date: 20180301-20200431 |   Exercise & Behavioral Activation  Date last searched: 3/10/2020 3 results  S1  (("behavior therapy" OR behavior therapy.ti,ab OR behavioral therapy.mp. OR behavior therapies.mp. OR behavioral therapies.mp. OR ((behavior OR behavior.mp. OR behavioral.mp.)) AND activation.mp. OR activational.mp. OR activations.mp. OR activity.mp. OR activities.mp.) OR (ACT.mp. OR behavioral activation.mp. OR behavior activation OR behavioral activation therapy.mp. OR BA.mp. OR behavioral techniques.mp. OR BATD.mp. OR BATD R.mp. OR Brief behavioral activation treatment.mp. OR behavioral activity.mp. OR behavioral activities.mp. OR behaviour therapy.mp. OR behaviour therapies.mp. OR behavioural therapy.mp. OR behavioural therapies.mp. OR behavioural activation.mp. OR behaviour activation.mp. OR behavioural activation therapy.mp. OR behaviour techniques.mp. OR behavioural activity.mp. OR behavioural activities.mp.)  S2  ((exercise OR exercise.ti,ab OR physical activity.mp. OR walking.ti,ab OR running.ti,ab OR sports.ti,ab OR sports OR athletics.mp. OR sport.mp. OR athletic.mp. OR gym.mp. OR "Resistance Training" OR resistance training.ti,ab OR exercise program.mp. OR exercise programs.mp. OR strength training.mp. OR strength train.mp. OR weight lifting.mp. OR weight lift.mp. OR weight bearing exercise.mp. OR strengthening program.mp. OR strengthening programs.mp. OR fitness.mp. OR "physical fitness" OR physical fitness.ti,ab OR walking OR running OR jogging OR jogging.ti,ab)))  S3  S1 AND S2  S4  ((((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))))  S5  S3 AND S4  S6  MM "Clinical Trials" OR RCT OR randomized\*  S7  S5 AND S6  Added the limit:   |  | | --- | | Limiters - Published Date: 20180301-20200431 |   Exercise & Control  Date last searched: 3/10/2020 1 results    S1  (exercise OR exercise.ti,ab OR physical activity.mp. OR walking.ti,ab OR running.ti,ab OR sports.ti,ab OR sports OR athletics.mp. OR sport.mp. OR athletic.mp. OR gym.mp. OR "Resistance Training" OR resistance training.ti,ab OR exercise program.mp. OR exercise programs.mp. OR strength training.mp. OR strength train.mp. OR weight lifting.mp. OR weight lift.mp. OR weight bearing exercise.mp. OR strengthening program.mp. OR strengthening programs.mp. OR fitness.mp. OR "physical fitness" OR physical fitness.ti,ab OR walking OR running OR jogging OR jogging.ti,ab) AND ((("control groups" OR ((control.mp. AND groups.mp.) OR (control.mp. AND group.mp.) OR (placebo.mp. AND group.mp.) OR (placebo.mp. AND groups.mp.)) OR control groups.ti,ab OR control group.mp. OR controlled group.mp. OR controlled groups.mp. OR controls group.mp. OR placebo group.mp. OR placebo.mp. OR placebo controlled.mp. OR standard treatment.mp. OR standard treatments.mp. OR gold standard.mp. OR Placebos OR placebos.ti,ab OR sham treatment.mp. OR sham treatments.mp.)))  S2  ((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))  S3  S1 AND S2  S4  MM "Clinical Trials" OR RCT OR randomized\*  S5  S3 AND S4  Added the limit:   |  | | --- | | Limiters - Published Date: 20180301-20200431 |   Exercise & Cognitive Behavioral Therapy (CBT)  Date last searched: 3/10/2020 1 results  S1  (exercise OR exercise.ti,ab OR physical activity.mp. OR walking.ti,ab OR running.ti,ab OR sports.ti,ab OR sports OR athletics.mp. OR sport.mp. OR athletic.mp. OR gym.mp. OR "Resistance Training" OR resistance training.ti,ab OR exercise program.mp. OR exercise programs.mp. OR strength training.mp. OR strength train.mp. OR weight lifting.mp. OR weight lift.mp. OR weight bearing exercise.mp. OR strengthening program.mp. OR strengthening programs.mp. OR fitness.mp. OR "physical fitness" OR physical fitness.ti,ab OR walking OR running OR jogging OR jogging.ti,ab) AND ("cognitive therapy" OR (cognitive.mp. AND therapy.mp.) OR cognitive therapy.mp. OR (cognitive.mp. AND behavioral.mp. AND therapy.mp.) OR cognitive behavioral therapy.mp. OR CBT.mp. OR cognitive behavior therapy.mp. OR cognition OR cognitive behavior therapy.mp. OR cognitive therapies.mp. OR cognitive therapies.mp. OR cognition therapy.mp. OR cognitive psychotherapy.mp. OR cognitive psychotherapies.mp. OR cognition therapy.mp. OR cognitive behaviour therapy.mp. OR cognitive behavioural therapies.mp. OR DE "Cognitive Behavior Therapy") AND ((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))  S2  MM "Clinical Trials" OR RCT OR randomized\*  S3  S1 AND S2  Added the limit:   |  | | --- | | Limiters - Published Date: 20180301-20200431 |   Cognitive Behavioral Therapy (CBT) & Control  Date last searched: 3/10/2020 1 results  S1  ("cognitive therapy" OR (cognitive.mp. AND therapy.mp.) OR cognitive therapy.mp. OR (cognitive.mp. AND behavioral.mp. AND therapy.mp.) OR cognitive behavioral therapy.mp. OR CBT.mp. OR cognitive behavior therapy.mp. OR cognition OR cognitive behavior therapy.mp. OR DE “cognitive behavior therapy” OR cognitive therapies.mp. OR cognitive therapies.mp. OR cognition therapy.mp. OR cognitive psychotherapy.mp. OR cognitive psychotherapies.mp. OR cognition therapy.mp. OR cognitive behaviour therapy.mp. OR cognitive behavioural therapies.mp.) AND ((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy))) AND ((("control groups" OR ((control.mp. AND groups.mp.) OR (control.mp. AND group.mp.) OR (placebo.mp. AND group.mp.) OR (placebo.mp. AND groups.mp.)) OR control groups.ti,ab OR control group.mp. OR controlled group.mp. OR controlled groups.mp. OR controls group.mp. OR placebo group.mp. OR placebo.mp. OR placebo controlled.mp. OR standard treatment.mp. OR standard treatments.mp. OR gold standard.mp. OR Placebos OR placebos.ti,ab OR sham treatment.mp. OR sham treatments.mp.)))  S2  MM "Clinical Trials" OR RCT OR randomized\*  S3  S1 AND S2  Added the limit:   |  | | --- | | Limiters - Published Date: 20180301-20200431 |   CBT & BA search:  Date last searched: 3/10/2020 3 results  S1:  (ACT.mp. OR behavioral activation.mp. OR behavior activation OR behavioral activation therapy.mp. OR BA.mp. OR behavioral techniques.mp. OR BATD.mp. OR BATD R.mp. OR Brief behavioral activation treatment.mp. OR behavioral activity.mp. OR behavioral activities.mp. OR behaviour therapy.mp. OR behaviour therapies.mp. OR behavioural therapy.mp. OR behavioural therapies.mp. OR behavioural activation.mp. OR behaviour activation.mp. OR behavioural activation therapy.mp. OR behaviour techniques.mp. OR behavioural activity.mp. OR behavioural activities.mp.)  S2:  ("cognitive therapy" OR (cognitive.mp. AND therapy.mp.) OR cognitive therapy.mp. OR (cognitive.mp. AND behavioral.mp. AND therapy.mp.) OR cognitive behavioral therapy.mp. OR CBT.mp. OR cognitive behavior therapy.mp. OR cognition OR cognitive behavior therapy.mp. OR cognitive therapies.mp. OR cognitive therapies.mp. OR cognition therapy.mp. OR cognitive psychotherapy.mp. OR cognitive psychotherapies.mp. OR cognition therapy.mp. OR cognitive behaviour therapy.mp. OR cognitive behavioural therapies.mp. OR DE "Cognitive Behavior Therapy")  S3:  ((("Mental Disorders/therapy" OR mental disorders.ti,ab OR mental disorder.mp. OR Psychiatric Diagnosis.mp. OR Behavior Disorders OR severe mental disorder.mp. OR severe mental disorders.mp. OR "Depressive Disorder, Major/therapy" OR Major Depressive Disorders.ti,ab OR Major Depressive.mp. OR Major Depressive Disorder.mp. OR psychosis.mp. OR Psychosis.mp. OR psychoses.mp. OR major depression.mp. OR severe mental illness.mp. OR insanity OR mental disorders.mp. OR diagnosed mental disorders.mp. OR diagnosed mental disorder.mp. OR depressed.mp. OR depression.mp. OR depressive.mp. OR depression were.mp. OR depression the.mp. OR depression symptoms.mp. OR depression severity.mp. OR severity of depression.mp. OR depression score.mp. OR depression scores.mp. OR depression rating.mp. OR depression ratings.mp. OR "Depressive Disorder, Treatment-Resistant" OR Treatment resistant depressive disorder.ti,ab OR depression in.mp. OR depression inventory.mp. OR depression and.mp. OR depression rating scale.mp. OR mdd.mp. OR major depression.mp. OR "Depressive Disorder/therapy" OR Depression/therapy)))  S4:  TI ( therap\* OR treatment\* OR “treatment outcome\*” ) OR AB ( therap\* OR treatment\* OR “treatment  outcome\*” ) OR DE "Treatment Outcomes" OR DE "Psychotherapeutic Outcomes" OR DE "Treatment"  S5:  S1 AND S2 AND S3 AND S4  Supportive Counseling combined topic search:  Date last searched: 3/10/2020 8 results  S1:  (ACT.mp. OR behavioral activation.mp. OR behavior activation OR behavioral activation therapy.mp. OR BA.mp. OR behavioral techniques.mp. OR BATD.mp. OR BATD R.mp. OR Brief behavioral activation treatment.mp. OR behavioral activity.mp. OR behavioral activities.mp. OR behaviour therapy.mp. OR behaviour therapies.mp. OR behavioural therapy.mp. OR behavioural therapies.mp. OR behavioural activation.mp. OR behaviour activation.mp. OR behavioural activation therapy.mp. OR behaviour techniques.mp. OR behavioural activity.mp. OR behavioural activities.mp.)  S2:  ("cognitive therapy" OR (cognitive.mp. AND therapy.mp.) OR cognitive therapy.mp. OR (cognitive.mp. AND behavioral.mp. AND therapy.mp.) OR cognitive behavioral therapy.mp. OR CBT.mp. OR cognitive behavior therapy.mp. OR cognition OR cognitive behavior therapy.mp. OR cognitive therapies.mp. OR cognitive therapies.mp. OR cognition therapy.mp. OR cognitive psychotherapy.mp. OR cognitive psychotherapies.mp. OR cognition therapy.mp. OR cognitive behaviour therapy.mp. OR cognitive behavioural therapies.mp. OR DE "Cognitive Behavior Therapy")  S3:  (exercise OR exercise.ti,ab OR physical activity.mp. OR walking.ti,ab OR running.ti,ab OR sports.ti,ab OR sports OR athletics.mp. OR sport.mp. OR athletic.mp. OR gym.mp. OR "Resistance Training" OR resistance training.ti,ab OR exercise program.mp. OR exercise programs.mp. OR strength training.mp. OR strength train.mp. OR weight lifting.mp. OR weight lift.mp. OR weight bearing exercise.mp. OR strengthening program.mp. OR strengthening programs.mp. OR fitness.mp. OR "physical fitness" OR physical fitness.ti,ab OR walking OR running OR jogging OR jogging.ti,ab)  S4:  S1 OR S2 OR S3  S5:  TI ( (“Supportive counsel\*”OR “supportive therap\*” OR “person center\*”) AND (support\* AND counsel\*) ) OR AB ( (“Supportive counsel\*”OR “supportive therap\*” OR “person center\*”) AND (support\* AND counsel\*) ) OR DE "Supportive Psychotherapy"  S6:  S4 AND S5  S7:  TI ( therap\* OR treatment\* OR “treatment outcome\*” ) OR AB ( therap\* OR treatment\* OR “treatment  outcome\*” ) OR DE "Treatment Outcomes" OR DE "Psychotherapeutic Outcomes" OR DE "Treatment"  S8:  S6 AND S7  S9:  MM "Clinical Trials" OR RCT OR randomized\*  S10:  S8 AND S9  Added the limit:   |  | | --- | | Limiters - Published Date: 20180301-20200431 | |

Scopus (Elsevier)

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| Behavioral Activation & Control Search  Date last searched: 3/10/2020 288 results  (INDEXTERMS("behavior therapy") OR TITLE-ABS-KEY ("behavior therapy") OR TITLE-ABS-KEY ("behavioral therapy") OR TITLE-ABS-KEY ("behavior therapies") OR TITLE-ABS-KEY ("behavioral therapies") OR ( ( INDEXTERMS ( "behavior" ) OR TITLE-ABS-KEY ( "behavior" ) OR TITLE-ABS-KEY ( "behavioral" ) ) ) AND TITLE-ABS-KEY ( "activation" ) OR TITLE-ABS-KEY ( "activational" ) OR TITLE-ABS-KEY ( "activations" ) OR TITLE-ABS-KEY ( "activity" ) OR TITLE-ABS-KEY ( "activities" ) ) OR ( TITLE-ABS-KEY ( "ACT" ) OR TITLE-ABS-KEY ( "behavioral activation" ) OR "behavior activation" OR TITLE-ABS-KEY ( "behavioral activation therapy" ) OR TITLE-ABS-KEY ( "BA" ) OR TITLE-ABS-KEY ( "behavioral techniques" ) OR TITLE-ABS-KEY ( "BATD" ) OR TITLE-ABS-KEY ( "BATD R" ) OR TITLE-ABS-KEY ( "Brief behavioral activation treatment" ) OR TITLE-ABS-KEY ( "behavioral activity" ) OR TITLE-ABS-KEY ( "behavioral activities" ) OR TITLE-ABS-KEY ( "behaviour therapy" ) OR TITLE-ABS-KEY ( "behaviour therapies" ) OR TITLE-ABS-KEY ( "behavioural therapy" ) OR TITLE-ABS-KEY ( "behavioural therapies" ) OR TITLE-ABS-KEY ( "behavioural activation" ) OR TITLE-ABS-KEY ( "behaviour activation" ) OR TITLE-ABS-KEY ( "behavioural activation therapy" ) OR TITLE-ABS-KEY ( "behaviour techniques" ) OR TITLE-ABS-KEY ( "behavioural activity" ) OR TITLE-ABS-KEY ( "behavioural activities" ) ) AND ( ( ( INDEXTERMS ( "control groups" ) OR ( ( TITLE-ABS-KEY ( "control" ) AND TITLE-ABS-KEY ( "groups" ) ) OR ( TITLE-ABS-KEY ( "control" ) AND TITLE-ABS-KEY ( "group" ) ) OR ( TITLE-ABS-KEY ( "placebo" ) AND TITLE-ABS-KEY ( "group" ) ) OR ( TITLE-ABS-KEY ( "placebo" ) AND TITLE-ABS-KEY ( "groups" ) ) ) OR TITLE-ABS-KEY ( "control groups" ) OR TITLE-ABS-KEY ( "control group" ) OR TITLE-ABS-KEY ( "controlled group" ) OR TITLE-ABS-KEY ( "controlled groups" ) OR TITLE-ABS-KEY ( "controls group" ) OR TITLE-ABS-KEY ( "placebo group" ) OR TITLE-ABS-KEY ( "placebo" ) OR TITLE-ABS-KEY ( "placebo controlled" ) OR TITLE-ABS-KEY ( "standard treatment" ) OR TITLE-ABS-KEY ( "standard treatments" ) OR TITLE-ABS-KEY ( "gold standard" ) OR INDEXTERMS ( "Placebos" ) OR TITLE-ABS ( "placebos" ) OR TITLE-ABS-KEY ( "sham treatment" ) OR TITLE-ABS-KEY ( "sham treatments" ) ) ) ) AND ( ( ( ( ( INDEXTERMS ( "Mental Disorders/therapy" ) OR TITLE-ABS-KEY ( "mental disorders" ) OR TITLE-ABS-KEY ( "mental disorder" ) OR TITLE-ABS-KEY ( "Psychiatric Diagnosis" ) OR "Behavior Disorders" OR TITLE-ABS-KEY ( "severe mental disorder" ) OR TITLE-ABS-KEY ( "severe mental disorders" ) OR INDEXTERMS ( "Depressive Disorder, Major/therapy" ) OR TITLE-ABS-KEY ( "Major Depressive Disorders" ) OR TITLE-ABS-KEY ( "Major Depressive" ) OR TITLE-ABS-KEY ( "Major Depressive Disorder" ) OR TITLE-ABS-KEY ( "psychosis" ) OR TITLE-ABS-KEY ( "Psychosis" ) OR TITLE-ABS-KEY ( "psychoses" ) OR TITLE-ABS-KEY ( "major depression" ) OR TITLE-ABS-KEY ("severe mental illness" ) OR "insanity" OR TITLE-ABS-KEY ( "mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorder" ) OR TITLE-ABS-KEY ( "depressed" ) OR TITLE-ABS-KEY ( "depression" ) OR TITLE-ABS-KEY ( "depressive" ) OR TITLE-ABS-KEY ( "depression were" ) OR TITLE-ABS-KEY ( "depression the" ) OR TITLE-ABS-KEY ( "depression symptoms" ) OR TITLE-ABS-KEY ( "depression severity" ) OR TITLE-ABS-KEY ( "severity of depression" ) OR TITLE-ABS-KEY ( "depression score" ) OR TITLE-ABS-KEY ( "depression scores" ) OR TITLE-ABS-KEY ( "depression rating" ) OR TITLE-ABS-KEY ( "depression ratings" ) OR INDEXTERMS ( "Depressive Disorder, Treatment-Resistant" ) OR TITLE-ABS ( "Treatment resistant depressive disorder" ) OR TITLE-ABS-KEY ( "depression in" ) OR TITLE-ABS-KEY ( "depression inventory" ) OR TITLE-ABS-KEY ( "depression and" ) OR TITLE-ABS-KEY ( "depression rating scale" ) OR TITLE-ABS-KEY ( "mdd" ) OR TITLE-ABS-KEY ( "major depression" ) OR INDEXTERMS ( "Depressive Disorder/therapy" ) OR INDEXTERMS ( "Depression/therapy" ) ) ) ) ) ) AND ( ( ( ( TITLE-ABS-KEY ( "clinical" ) AND TITLE-ABS-KEY ( "trial") ) OR INDEXTERMS ( "clinical trials as topic" ) OR INDEXTERMS("clinical trial") OR TITLE-ABS-KEY ( "random\*") OR INDEXTERMS ( "random allocation" ) OR INDEXTERMS("therapeutic use") ) ) AND ((((TITLE-ABS-KEY ( "therapy" ) OR TITLE-ABS-KEY ( "treatment" ) OR INDEXTERMS ( "therapeutics" ) OR TITLE-ABS-KEY ( "therapeutics" ) OR INDEXTERMS ( "treatment outcome" ) OR TITLE-ABS-KEY ( "treatment outcome"))))) AND ALL ((depres\* AND diagnos\*))) AND PUBYEAR > 2018  Exercise & Behavioral Activation Search  Date last searched: 3/10/2020 97 results  ( INDEXTERMS ( "behavior therapy" ) OR TITLE-ABS-KEY ( "behavior therapy" ) OR TITLE-ABS-KEY ( "behavioral therapy" ) OR TITLE-ABS-KEY ( "behavior therapies" ) OR TITLE-ABS-KEY ( "behavioral therapies" ) OR ( ( INDEXTERMS ( "behavior" ) OR TITLE-ABS-KEY ( "behavior" ) OR TITLE-ABS-KEY ( "behavioral" ) ) ) AND TITLE-ABS-KEY ( "activation" ) OR TITLE-ABS-KEY ( "activational" ) OR TITLE-ABS-KEY ( "activations" ) OR TITLE-ABS-KEY ( "activity" ) OR TITLE-ABS-KEY ( "activities" ) OR TITLE-ABS-KEY ( "ACT" ) OR TITLE-ABS-KEY ( "behavioral activation" ) OR "behavior activation" OR TITLE-ABS-KEY ( "behavioral activation therapy" ) OR TITLE-ABS-KEY ( "BA" ) OR TITLE-ABS-KEY ( "behavioral techniques" ) OR TITLE-ABS-KEY ( "BATD" ) OR TITLE-ABS-KEY ( "BATD R" ) OR TITLE-ABS-KEY ( "Brief behavioral activation treatment" ) OR TITLE-ABS-KEY ( "behavioral activity" ) OR TITLE-ABS-KEY ( "behavioral activities" ) OR TITLE-ABS-KEY ( "behaviour therapy" ) OR TITLE-ABS-KEY ( "behaviour therapies" ) OR TITLE-ABS-KEY ( "behavioural therapy" ) OR TITLE-ABS-KEY ( "behavioural therapies" ) OR TITLE-ABS-KEY ( "behavioural activation" ) OR TITLE-ABS-KEY ( "behaviour activation" ) OR TITLE-ABS-KEY ( "behavioural activation therapy" ) OR TITLE-ABS-KEY ( "behaviour techniques" ) OR TITLE-ABS-KEY ( "behavioural activity" ) OR TITLE-ABS-KEY ( "behavioural activities") ) AND ( ( INDEXTERMS ( "exercise" ) OR TITLE-ABS-KEY ( "exercise" ) OR TITLE-ABS-KEY ( "physical activity" ) OR TITLE-ABS-KEY ( "walking" ) OR TITLE-ABS-KEY ( "running" ) OR TITLE-ABS-KEY ( "sports" ) OR INDEXTERMS ( "sports" ) OR TITLE-ABS-KEY ( "athletics" ) OR TITLE-ABS-KEY ( "sport" ) OR TITLE-ABS-KEY ( "athletic" ) OR TITLE-ABS-KEY ( "gym" ) OR INDEXTERMS ( "Resistance Training" ) OR TITLE-ABS-KEY ( "resistance training" ) OR TITLE-ABS-KEY ( "exercise program" ) OR TITLE-ABS-KEY ( "exercise programs" ) OR TITLE-ABS-KEY ( "strength training" ) OR TITLE-ABS-KEY ( "strength train" ) OR TITLE-ABS-KEY ( "weight lifting" ) OR TITLE-ABS-KEY ( "weight lift" ) OR TITLE-ABS-KEY ( "weight bearing exercise" ) OR TITLE-ABS-KEY ( "strengthening program" ) OR TITLE-ABS-KEY ( "strengthening programs" ) OR TITLE-ABS-KEY ( "fitness" ) OR INDEXTERMS ( "physical fitness" ) OR TITLE-ABS-KEY ( "physical fitness" ) OR INDEXTERMS ( "walking" ) OR INDEXTERMS ( "running" ) OR INDEXTERMS ( "jogging" ) OR TITLE-ABS-KEY ( "jogging" ) ) AND ( ( ( INDEXTERMS ( "Mental Disorders/therapy" ) OR TITLE-ABS ( "mental disorders" ) OR TITLE-ABS-KEY ( "mental disorder" ) OR TITLE-ABS-KEY ( "Psychiatric Diagnosis" ) OR "Behavior Disorders" OR TITLE-ABS-KEY ( "severe mental disorder" ) OR TITLE-ABS-KEY ( "severe mental disorders" ) OR INDEXTERMS ( "Depressive Disorder, Major/therapy" ) OR TITLE-ABS-KEY ( "Major Depressive Disorders" ) OR TITLE-ABS-KEY ( "Major Depressive" ) OR TITLE-ABS-KEY ( "Major Depressive Disorder" ) OR TITLE-ABS-KEY ( "psychosis" ) OR TITLE-ABS-KEY ( "Psychosis" ) OR TITLE-ABS-KEY ( "psychoses" ) OR TITLE-ABS-KEY ( "major depression" ) OR TITLE-ABS-KEY ( "severe mental illness" ) OR "insanity" OR TITLE-ABS-KEY ( "mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorders" ) OR TITLE-ABS-KEY ( "diagnosed mental disorder" ) OR TITLE-ABS-KEY ( "depressed" ) OR TITLE-ABS-KEY ( "depression" ) OR TITLE-ABS-KEY ( "depressive" ) OR TITLE-ABS-KEY ( "depression were" ) OR TITLE-ABS-KEY ( "depression the" ) OR TITLE-ABS-KEY ( "depression symptoms" ) OR TITLE-ABS-KEY ( "depression severity" ) OR TITLE-ABS-KEY ( "severity of depression" ) OR TITLE-ABS-KEY ( "depression score" ) OR TITLE-ABS-KEY ( "depression scores" ) OR TITLE-ABS-KEY ( "depression rating" ) OR TITLE-ABS-KEY ( "depression ratings" ) OR INDEXTERMS ( "Depressive Disorder, Treatment-Resistant" ) OR TITLE-ABS-KEY ( "Treatment resistant depressive disorder" ) OR TITLE-ABS-KEY ( "depression in" ) OR TITLE-ABS-KEY ( "depression inventory" ) OR TITLE-ABS-KEY ( "depression and" ) OR TITLE-ABS-KEY ( "depression rating scale" ) OR TITLE-ABS-KEY ( "mdd" ) OR TITLE-ABS-KEY ( "major depression" ) OR INDEXTERMS ( "Depressive Disorder/therapy" ) OR INDEXTERMS ( "Depression/therapy" ) ) ) ) AND (((((INDEXTERMS ( "clinical trials as topic" ) OR INDEXTERMS("clinical trial") OR TITLE-ABS-KEY ( "random\*") OR INDEXTERMS ( "random allocation" ) OR INDEXTERMS("therapeutic use"))))) AND (((TITLE-ABS-KEY ( "therapy" ) OR TITLE-ABS-KEY ( "treatment" ) OR INDEXTERMS ( "therapeutics" ) OR TITLE-ABS-KEY ( "therapeutics" ) OR INDEXTERMS ( "treatment outcome" ) OR TITLE-ABS-KEY ( "treatment outcome"))) AND ALL (depres\* AND diagnos\*)))) AND PUBYEAR > 2018  Exercise & Control Search  Date last searched: 3/10/2020 146 results  (INDEXTERMS("exercise") OR TITLE-ABS-KEY("exercise") OR TITLE-ABS-KEY("physical activity") OR TITLE-ABS-KEY("walking") OR TITLE-ABS-KEY("running") OR TITLE-ABS-KEY("sports") OR INDEXTERMS("sports") OR TITLE-ABS-KEY("athletics") OR TITLE-ABS-KEY("sport") OR TITLE-ABS-KEY("athletic") OR TITLE-ABS-KEY("gym") OR INDEXTERMS("Resistance Training") OR TITLE-ABS-KEY("resistance training") OR TITLE-ABS-KEY("exercise program") OR TITLE-ABS-KEY("exercise programs") OR TITLE-ABS-KEY("strength training") OR TITLE-ABS-KEY("strength train") OR TITLE-ABS-KEY("weight lifting") OR TITLE-ABS-KEY("weight lift") OR TITLE-ABS-KEY("weight bearing exercise") OR TITLE-ABS-KEY("strengthening program") OR TITLE-ABS-KEY("strengthening programs") OR TITLE-ABS-KEY("fitness") OR INDEXTERMS("physical fitness") OR TITLE-ABS-KEY("physical fitness") OR INDEXTERMS("walking") OR INDEXTERMS("running") OR INDEXTERMS("jogging") OR TITLE-ABS-KEY("jogging")) AND (((INDEXTERMS("control groups") OR ((TITLE-ABS-KEY("control") AND TITLE-ABS-KEY("groups")) OR (TITLE-ABS-KEY("control") AND TITLE-ABS-KEY("group")) OR (TITLE-ABS-KEY("placebo") AND TITLE-ABS-KEY("group")) OR (TITLE-ABS-KEY("placebo") AND TITLE-ABS-KEY("groups"))) OR TITLE-ABS("control groups") OR TITLE-ABS-KEY("control group") OR TITLE-ABS-KEY("controlled group") OR TITLE-ABS-KEY("controlled groups") OR TITLE-ABS-KEY("controls group") OR TITLE-ABS-KEY("placebo group") OR TITLE-ABS-KEY("placebo") OR TITLE-ABS-KEY("placebo controlled") OR TITLE-ABS-KEY("standard treatment") OR TITLE-ABS-KEY("standard treatments") OR TITLE-ABS-KEY("gold standard") OR INDEXTERMS("Placebos") OR TITLE-ABS("placebos") OR TITLE-ABS-KEY("sham treatment") OR TITLE-ABS-KEY("sham treatments")))) AND (((INDEXTERMS("Mental Disorders/therapy") OR TITLE-ABS-KEY("mental disorders") OR TITLE-ABS-KEY("mental disorder") OR TITLE-ABS-KEY("Psychiatric Diagnosis") OR "Behavior Disorders" OR TITLE-ABS-KEY("severe mental disorder") OR TITLE-ABS-KEY("severe mental disorders") OR INDEXTERMS("Depressive Disorder, Major/therapy") OR TITLE-ABS-KEY("Major Depressive Disorders") OR TITLE-ABS-KEY("Major Depressive") OR TITLE-ABS-KEY("Major Depressive Disorder") OR TITLE-ABS-KEY("psychosis") OR TITLE-ABS-KEY("Psychosis") OR TITLE-ABS-KEY("psychoses") OR TITLE-ABS-KEY("major depression") OR TITLE-ABS-KEY("severe mental illness") OR "insanity" OR TITLE-ABS-KEY("mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorder") OR TITLE-ABS-KEY("depressed") OR TITLE-ABS-KEY("depression") OR TITLE-ABS-KEY("depressive") OR TITLE-ABS-KEY("depression were") OR TITLE-ABS-KEY("depression the") OR TITLE-ABS-KEY("depression symptoms") OR TITLE-ABS-KEY("depression severity") OR TITLE-ABS-KEY("severity of depression") OR TITLE-ABS-KEY("depression score") OR TITLE-ABS-KEY("depression scores") OR TITLE-ABS-KEY("depression rating") OR TITLE-ABS-KEY("depression ratings") OR INDEXTERMS("Depressive Disorder, Treatment-Resistant") OR TITLE-ABS-KEY("Treatment resistant depressive disorder") OR TITLE-ABS-KEY("depression in") OR TITLE-ABS-KEY("depression inventory") OR TITLE-ABS-KEY("depression and") OR TITLE-ABS-KEY("depression rating scale") OR TITLE-ABS-KEY("mdd") OR TITLE-ABS-KEY("major depression") OR INDEXTERMS("Depressive Disorder/therapy") OR INDEXTERMS("Depression/therapy")))) AND ( ( ( ( TITLE-ABS-KEY ( "clinical" ) AND TITLE-ABS-KEY ( "trial") ) OR INDEXTERMS ( "clinical trials as topic" ) OR INDEXTERMS("clinical trial") OR TITLE-ABS-KEY ( "random\*") OR INDEXTERMS ( "random allocation" ) OR INDEXTERMS("therapeutic use") ) ) AND ((((TITLE-ABS-KEY ( "therapy" ) OR TITLE-ABS-KEY ( "treatment" ) OR INDEXTERMS ( "therapeutics" ) OR TITLE-ABS-KEY ( "therapeutics" ) OR INDEXTERMS ( "treatment outcome" ) OR TITLE-ABS-KEY ( "treatment outcome"))))) AND ALL ((depres\* AND diagnos\*))) AND PUBYEAR > 2018  Exercise & Cognitive Behavioral Therapy (CBT) Search  Date last searched: 3/10/2020 122 results  (INDEXTERMS("exercise") OR TITLE-ABS-KEY("exercise") OR TITLE-ABS-KEY("physical activity") OR TITLE-ABS-KEY("walking") OR TITLE-ABS-KEY("running") OR TITLE-ABS-KEY("sports") OR INDEXTERMS("sports") OR TITLE-ABS-KEY("athletics") OR TITLE-ABS-KEY("sport") OR TITLE-ABS-KEY("athletic") OR TITLE-ABS-KEY("gym") OR INDEXTERMS("Resistance Training") OR TITLE-ABS-KEY("resistance training") OR TITLE-ABS-KEY("exercise program") OR TITLE-ABS-KEY("exercise programs") OR TITLE-ABS-KEY("strength training") OR TITLE-ABS-KEY("strength train") OR TITLE-ABS-KEY("weight lifting") OR TITLE-ABS-KEY("weight lift") OR TITLE-ABS-KEY("weight bearing exercise") OR TITLE-ABS-KEY("strengthening program") OR TITLE-ABS-KEY("strengthening programs") OR TITLE-ABS-KEY("fitness") OR INDEXTERMS("physical fitness") OR TITLE-ABS-KEY("physical fitness") OR INDEXTERMS("walking") OR INDEXTERMS("running") OR INDEXTERMS("jogging") OR TITLE-ABS("jogging")) AND (INDEXTERMS("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("behavioral") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive behavioral therapy") OR TITLE-ABS-KEY("CBT") OR TITLE-ABS-KEY("cognitive behavior therapy") OR INDEXTERMS("cognition") OR TITLE-ABS-KEY("cognitive behavior therapy") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive psychotherapy") OR TITLE-ABS-KEY("cognitive psychotherapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive behaviour therapy") OR INDEXTERMS("cognitive behavioral therapy") OR TITLE-ABS-KEY("cognitive behavioral therapy") OR TITLE-ABS-KEY("cognitive behavioural therapies")) AND (((INDEXTERMS("Mental Disorders/therapy") OR TITLE-ABS-KEY("mental disorders") OR TITLE-ABS-KEY("mental disorder") OR TITLE-ABS-KEY("Psychiatric Diagnosis") OR "Behavior Disorders" OR TITLE-ABS-KEY("severe mental disorder") OR TITLE-ABS-KEY("severe mental disorders") OR INDEXTERMS("Depressive Disorder, Major/therapy") OR TITLE-ABS-KEY("Major Depressive Disorders") OR TITLE-ABS-KEY("Major Depressive") OR TITLE-ABS-KEY("Major Depressive Disorder") OR TITLE-ABS-KEY("psychosis") OR TITLE-ABS-KEY("Psychosis") OR TITLE-ABS-KEY("psychoses") OR TITLE-ABS-KEY("major depression") OR TITLE-ABS-KEY("severe mental illness") OR "insanity" OR TITLE-ABS-KEY("mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorders") OR TITLE-ABS-KEY("diagnosed mental disorder") OR TITLE-ABS-KEY("depressed") OR TITLE-ABS-KEY("depression") OR TITLE-ABS-KEY("depressive") OR TITLE-ABS-KEY("depression were") OR TITLE-ABS-KEY("depression the") OR TITLE-ABS-KEY("depression symptoms") OR TITLE-ABS-KEY("depression severity") OR TITLE-ABS-KEY("severity of depression") OR TITLE-ABS-KEY("depression score") OR TITLE-ABS-KEY("depression scores") OR TITLE-ABS-KEY("depression rating") OR TITLE-ABS-KEY("depression ratings") OR INDEXTERMS("Depressive Disorder, Treatment-Resistant") OR TITLE-ABS("Treatment resistant depressive disorder") OR TITLE-ABS-KEY("depression in") OR TITLE-ABS-KEY("depression inventory") OR TITLE-ABS-KEY("depression and") OR TITLE-ABS-KEY("depression rating scale") OR TITLE-ABS-KEY("mdd") OR TITLE-ABS-KEY("major depression") OR INDEXTERMS("Depressive Disorder/therapy") OR INDEXTERMS("Depression/therapy")))) AND ( ( ( ( TITLE-ABS-KEY ( "clinical" ) AND TITLE-ABS-KEY ( "trial") ) OR INDEXTERMS ( "clinical trials as topic" ) OR INDEXTERMS("clinical trial") OR TITLE-ABS-KEY ( "random\*") OR INDEXTERMS ( "random allocation" ) OR INDEXTERMS("therapeutic use") ) ) AND ((((TITLE-ABS-KEY ( "therapy" ) OR TITLE-ABS-KEY ( "treatment" ) OR INDEXTERMS ( "therapeutics" ) OR TITLE-ABS-KEY ( "therapeutics" ) OR INDEXTERMS ( "treatment outcome" ) OR TITLE-ABS-KEY ( "treatment outcome"))))) AND ALL ((depres\* AND diagnos\*))) AND PUBYEAR > 2018  Cognitive Behavioral Therapy (CBT) & Control Search  Date last searched: 3/10/2020 332 results  (INDEXTERMS("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive therapy") OR (TITLE-ABS-KEY("cognitive") AND TITLE-ABS-KEY("behavioral") AND TITLE-ABS-KEY("therapy")) OR TITLE-ABS-KEY("cognitive behavioral therapy") OR TITLE-ABS-KEY("CBT") OR TITLE-ABS-KEY("cognitive behavior therapy") OR INDEXTERMS("cognition") OR TITLE-ABS-KEY("cognitive behavior therapy") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognitive therapies") OR TITLE-ABS-KEY("cognition therapy") OR TITLE-ABS-KEY("cognitive 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Grey Literature

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| Behavioral Activation/Control/Depression 14 results  Behavioral Activation AND Control AND depression | Completed Studies | Studies With Results | Interventional Studies | Results first posted from 03/01/2018 to 04/01/2020  Exercise/Cognitive Behavioral Therapy/Depression 7 results  Exercise AND Cognitive Behavioral Therapy AND depression | Completed Studies | Studies With Results | Interventional Studies | Results first posted from 03/01/2018 to 04/01/2020  Counseling/Exercise/Depression 7 results  Counseling AND Exercise AND depression | Completed Studies | Studies With Results | Interventional Studies | Results first posted from 03/01/2018 to 04/01/2020  Behavioral Activation/Depression 49 results  Behavioral Activation | Completed Studies | Studies With Results | Interventional Studies | Results first posted from 03/01/2018 to 04/01/2020  Supportive Counseling/Depression 56 results  Supportive Counseling | Completed Studies | Studies With Results | Interventional Studies | Results first posted from 03/01/2018 to 04/01/2020  Cognitive Behavioral Therapy/Depression 109 results  Cognitive Behavioral Therapy | Completed Studies | Studies With Results | Interventional Studies | Results first posted from 03/01/2018 to 04/01/2020  Exercise/Depression 560 results  Exercise | Completed Studies | Studies With Results | Interventional Studies | Results first posted from 03/01/2018 to 04/01/2020 |

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| Behavioral Activation/Control/Depression  3 Results Date last searched 3/10/2020  Search: Behavioral Activation AND Control AND depression AND Randomized  Searched Within: Depressive Disorders Articles American Journal of Psychiatry, 2018-2020  Exercise/Cognitive Behavioral Therapy/Depression  3 Results Date last searched 3/10/2020 Search: Exercise AND Cognitive Behavioral Therapy AND depression AND randomized Searched within: Cognitive-Behavioral Therapy American Journal of Psychiatry, 2018-2020  Supportive Counseling/Exercise/Depression  3 Results Date last searched 3/10/2020  Search: Supportive AND Exercise AND depression AND randomized  Searched within: Depressive Disorders American Journal of Psychiatry, 2018-2020 |

**eAppendix 3. Characteristics of Included Studies**

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| *Author, year* | **Diagnosis** | **Total Number of patients** | **Total Number of patients per group** | **Intervention** | **Assessments, frequency, time/session** | **Outcome Assessment** | **SMD (95% CI)** |
| *Abdelbasset, et al., 2019* | Depression | 46 | EX: 23  TAU:23 | T: Exercise  C: TAU | Baseline, 6 weeks, 12 weeks | PHQ-9 | 3.14 (2.27-4.00) |
| *Abdollahi, et al., 2018* | Depression | 74 | CBT:37  TAU:37 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 12 weeks | BDI | 1.80 (1.23-2.36) |
| *Aidar, et al., 2017* | Depression | 36 | EX:19  WL:17 | T: Exercise  C: WL | Baseline, 12 weeks | BDI | .56 (-.11-1.23) |
| *Beach et al., 1992* | Dysthymia or MDD | 45 | CBT: 15  WL: 15 | T: Cognitive Behavioral Therapy  C: WL | Baseline, post- treatmennt (appx. 15 weeks) | BDI | 1.031 (.269-1.793) |
| *Berger et al., 2011* | Dysthymia or MDD | 76 | Unguided self-help CBT: 25  Guided self-help CBT: 25  WL: 26 | T: Unguided self-help CBT  T2: Guided self-help CBT  C: WL | Baseline, 10 weeks, and 6 months (follow up) | BDI-II | 1.143 (.551-1.735) |
| *Bernard et al., 2015* | Depression | 121 | EX: 61  WL: 60 | T: Aerobic Exercise  C: WL | Baseline, 6 months | BDI | 3.587 (2.977-4.196) |
| *Bombardier et al., 2013* | MDD or Dysthymia in individuals with MS | 92 | BA: 44  WL: 48 | T: Behavioral Activation Therapy  C: WL | Baseline, 12 weeks, 24 weeks (follow up) | HAMD | .468 (.053-.882) |
| *Borji et al., 2017* | Depression | 80 | CBT: 40  TAU: 40 | T: Cognitive Behavioral therapy  C: TAU | Baseline, 8 weeks, 12 weeks | DASS-21 | .86 (.40-1.32) |
| *Bright et al., 1999* | Depression | 98 | CBT: 27  CBT: 21  NDST:28  NDST: 22 | T: CBT administered by professionals or paraprofessionals  T2: NDST administered by professionals or paraprofessionals | Baseline, 10 weeks, 2 months (follow up) | HAMD and BDI | .09 (-.38-.57) |
| *Brown et al., 1984* | Depression | 63 | CBT: 13  CBT: 14  CBT: 25  WL: 11 | T: Individual, telephone or group CBT  C: WL | Baseline, posttreatment, and 1 and 6 months (follow ups) | BDI and CES-D | I: .286 (-.521-1.093)  G: .237 (-474-.948) |
| *Carta et al., 2012* | Depression | 64 | CBT: 34  TAU: 30 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 3 months and 6 months | BDI | .588 (.087-1.089) |
| *Chen et al., 2000* | Postnatal depression | 60 | NDST: 30  TAU: 30 | T: Non-directive Supportive Therapy  C: TAU | Baseline, 4 weeks | BDI | .719 (.208-1.230) |
| *Choi et al., 2012* | Depression | 63 | i-CBT: 32  WL: 31 | T: Internet Cognitive Behavioral Therapy  C: WL | Baseline, 8 weeks, and 3 month (follow up) | BDI (Chinese Version) and PHQ-9 | .905 (.386-1.423) |
| *Collado et al., 2016* | MDD | 46 | BA: 23  NDST: 23 | T: Behavioral Activation  T2: Non-Directive supportive Therapy | Baseline, 10 weeks, 1 month (follow up) | BDI | Favor BA: .44 (-1.23-.35) |
| *Cooper et al., 2003* | Post-Partum Depression | 190 | NDST 48  CBT: 42  TAU: 52 | T: Non-directive supportive Therapy  T2: Cognitive Behavioral Therapy  C: TAU | Baseline, 4.5 months, and 9 months, 18 months and 5 years (follow ups) | EPDS | T: .262 (-.136-.660)  T2: .440 (.040-.840) |
| *Cullen, 2003* | Depression | 17 | Behavioral Activation: 8  WL: 9 | T: Behavioral Activation  C: WL | Baseline, posttreatment, and 3 months (follow up) | BDI-II | 1.935 (.657-3.213) |
| *Dobkin et al., 2011* | Depression | 80 | CBT: 41  TAU: 39 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 5 weeks, 10 weeks, and 14 weeks; CBT over 10 weeks | HAMD and BDI | 1.240 (.761-1.718) |
| *Dobkin, et al., 2020* | Depression | 72 | CBT: 37  TAU:35 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 12 weeks ,9 months | HAMD and BDI | 1.50 (.97-2.02) |
| *Doering et al., 2016* | Depression | 53 | CBT: 33  TAU: 20 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 8 weeks | BDI | 1.282 (.809-1.756) |
| *Duarte et al., 2009* | Major Depressive Disorder | 85 | CBT: 41  TAU: 44 | T: Group Cognitive Behavioral Therapy  C: TAU | Baseline, 3 months, 9 month (follow up) | BDI | .800 (.371-1.229) |
| *Dwight-Johnson et al., 2011* | Probable MDD | 101 | CBT: 50  TAU:51 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 6 weeks, 3 months, and 6 months; 8 sessions | PHQ-9 | 1.730 (1.281-2.179) |
| *Embling, 2002* | Unipolar Depression | 38 | CBT: 19  WL: 19 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 6 weeks, 12 weeks; 12 sessions over 8 weeks | BDI-II | 2.525 (1.672-3.377) |
| *Fann et al., 2015* | MDD | 100 | CBT-T: 40  CBT-IP: 18  TAU: 42 | T: Telephone Administered CBT  T2: In persons CBT  C: TAU | Baseline, 8 weeks, 16 weeks, and 24 weeks | HAMD-17 | T vrs C:  .107 (-.326-.541)  T2 vrs C:  .045 (-.507-.598) |
| *Faramarzi et al., 2008* | Mild to Moderate Depression | 89 | CBT: 29  TAU: 30 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 3 months; Weekly sessions over 10 weeks | BDI | 1.730 (1.147-2.313) |
| *Freedland et al., 2009* | Minor or Major Depression | 123 | CBT: 41  TAU: 40 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 3 months, 6 months, 9 months; weekly, individual sessions | HAMD and BDI | .880 (.436-1.324) |
| *Freire et al., 2015* | Depression | 36 | CBT: 17  NDST: 19 | T: Cognitive Behavioral Therapy  T2: Non-Directive Supportive Therapy | Baseline, 3 months, 6 months (follow up) | GRID, HAMD-17, and PHQ-9 | Favor CBT  .40 (-.62-1.42) |
| *Furukawa et al., 2012* | Depression | 118 | CBT: 58  TAU: 60 | T: Telephone administered CBT  C: TAU | Baseline, 4 months, 8 month (follow up) | BDI-II | .680 (.319-1.041) |
| *Gallagher et al., 1982* | Depression | 30 | CBT: 10  BA: 10 | T: Cognitive Behavioral Therapy  T2: Behavioral Activation Therapy | Baseline, 12 weeks, and 1 year (follow up) | HAMD and BDI | Favors CBT  .32 (-1.345-365) |
| *Hallgren et al., 2015* | Depression | 947 | EX: 317  CBT: 317  TAU: 317 | T: Physical Exercise  T2: internet based Cognitive Behavioral Therapy  C: TAU | Baseline, 12 weeks, 3 months (follow up) | MADRS | T vrs C:  .298 (.118-.478)  T2 vrs C:  .321 (.143-.499) |
| *Ham, et al., 2019* | Depression | 80 | CBT: 21  Attention: 21  WL:39 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 10 weeks | BDI | 1.01 (.36-1.65) |
| *Hamdan-Mansour et al., 2009* | Severe Depressive Symptoms | 84 | CBT: 44  WL: 40 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 10 weeks, 3 months (follow up); 1 weekly session over 10 weeks | BDI (Arabic Version) | .638 (.199-1.077) |
| *Haringsma et al., 2006* | Depression | 119 | CBT: 61  WL: 58 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 10 weeks, 2 and 14 months (follow up) | CES-D (Dutch Version) | .480 (.101-.860) |
| *Hautzinger & Welz, 2004* | Depression | 85 | CBT: 55  WL: 30 | T: Cognitive Behavioral Therapy  C: WL | Baseline, posttreatment, 6 months (follow up) | GDS, IDS and SCLD | .930 (.477-1.383) |
| *Hayden et al., 2012* | Depression | 34 | CBT: 20  NDST: 14 | T: Cognitive Behavioral Therapy  T2: Non-directive Supportive Therapy | Baseline, 10 weeks | BDI | Favors CBT  .410 (-.264-1.219) |
| *Hegerl et al., 2009* | Depression | 368 | CBT: 61  NDST: 59  PLC: 83 | T: Cognitive Behavioral Therapy  T2: Non-Directive Supportive Therapy | Baseline, 10 weeks | HAMD and IDS | T vrs T2  (Favors CBT)  1.66 (.54-2.78) |
| *Helgadottir et al., 2017* | Moderate Depression | 620 | Light EX: 106  Mod EX: 105  High EX: 99  TAU: 310 | T: Light Aerobic Exercise  T2: Moderate Aerobic Exercise  T3: Vigorous Aerobic Exercise  C: TAU | Baseline, post-treatment, 12 month (follow up) | MADRS | T vrs C:  .571 (.346-.796)  T2 vrs C:  .311 (.091-.530)  T3 vrs C:  .451 (.226-.676) |
| *Hemanny, et al., 2020* | MDD | 76 | CBT: 26  BA: 24  TAU:26 | T1: Cognitive Behavioral Therapy  T2: Behavioral Activation Therapy  C: TAU | Baseline, 6 weeks, 12 weeks | BDI/HAMD | T1 vrs C:  1.7 (1.07-2.38)  T2 vrs C:  2.10 (1.41-2.80)  T1 vrs T2  -.38 (-.94-.18) |
| *Hess-Homeier, 1981* | Depression | 17 | CBT: 6  EX: 5  WL: 6 | T: Cognitive Behavioral Therapy  T2: Aerobic Exercise  C: WL | Baseline, 5 weeks, 8 weeks and 6, 9 and 12 months (follow up) | BDI | T vrs C:  1.162 (-.061-2.385) |
| *Ho et al., 2014* | Mild to Moderate Depression | 52 | EX: 26  TAU: 26 | T: Exercise  C: TAU | Baseline, 3 weeks | MADRS and BDI (Chinese Version) | .665 (.107-1.224) |
| *Horrell et al., 2014* | Depression | 452 | CBT: 228  WL: 231 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 12 weeks | BDI | .511 (.307-.715) |
| *Huang et al., 2015* | Depression | 57 | EX: 19  CBT: 18  TAU: 20 | T: Physical Exercise  T2: Cognitive Behavioral Therapy  C: TAU | Baseline, 12 weeks, 3 months, and 6 months | GDS-15 | CBT vrs TAU:  .506 (-.141-1.1523)  EX vrs TAU:  .794 (.142-1.447)  CBT vrs EX  (Favors EX):  .423 (-.229-1.075) |
| *Hummel et al., 2017* | Depression | 155 | CBT: 56  TAU: 99 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 4 months; 15-90 min sessions | HAMD | .126 (-.194-.447) |
| *Jacobson et al., 1996* | Depression | 151 | BA: 57  CBT: 50 | T: Behavioral Activation Therapy  T2: Cognitive Behavioral Therapy | Baseline, post-treatment, 6,12,18, and 24 months (follow ups) | HAMD and BDI | Favors BA:  .114 (-.267-.496) |
| *Jamison et al., 1995* | Minor to Moderate Depression | 80 | CBT: 40  WL:40 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 4 weeks, 3 months (follow up) | HAMD and BDI | 1.887 (1.330-2.443) |
| *Johansson, et al., 2019* | Depression | 54 | CBT: 27  WL: 27 | T: Cognitive Behavioral Therapy  C: WL | Baseline, Post treatment, 6 months, 12 months | MADRS-S | 1.61 (1.00-2.22) |
| *Johansson, et al., Clinical Trial* | Depression | 144 | CBT:72  WL: 72 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 9 weeks | PHQ-9 | .44 (.11-.77) |
| *Kanter et al., 2015* | Depression | 43 | BA: 21  TAU: 22 | T: Behavioral Activation for Latinos  C: TAU | Baseline, post treatment, 9 months (follow up) | HAMD and BDI-II | .317 (-.436-1.070) |
| *Kekäläinen, et al., 2018* | Depression | 104 | EX1:26  EX2: 27  EX3: 28  TAU:23 | T1-Resistance training 1x week  T2-Resistance training 2x week  T3-Resistance training 3x week  C: TAU | Baseline, 3 months, 9 months | BDI-2 | .24 (-.22-60) |
| *Kelly et al., 1993* | Depression | 68 | CBT: 27  NDST: 14  TAU: 27 | T: Cognitive Behavioral Therapy  T2: Supportive Therapy  C: TAU | Baseline, 8 weeks, 3 months (follow up) | CES-D | T vrs C:  .539 (-.004-1.082)  T2 vrs C:  1.030 (.368-1.692) |
| *Kim, J. Y., et al., 2019* | Depression | 71 | EX: 37  TAU:34 | T: Exercise  C: TAU | Baseline, 12 weeks | PHQ | .03 (-.54-.49) |
| *Kim, Y. S., et al., 2019* | Depression | 21 | EX: 11  WL: 10 | T: Exercise  C: WL | Baseline, 24 weeks | SGDS-K | .72 (-.16-1.60) |
| *King et al., 2014* | Depression | 316 | CBT: 129  NDST: 122  TAU: 65 | T: Cognitive Behavioral Therapy  T2: Non-Directive Supportive Therapy  C: TAU | Baseline, 4 months, 12 months | BDI | T vrs C:  .326 (-.161-.811)  T2 vrs C:  .480 (.175-.785) |
| *Kivi et al., 2014* | Mild to Moderate Depression | 90 | CBT: 44  TAU: 46 | T: Internet Based CBT  C: TAU | Baseline, 12 weeks | BDI-II | .062 (-.426-.549) |
| *Klein et al., 1985* | Depression | 74 | EX: 27  CBT: 24 | T: Aerobic Exercise  T2: Group Cognitive Behavioral Therapy | Baseline, 12 weeks, and 1, 3, and 9 months (follow ups) | SCL depression | Favors EX  .224 (-.519-.968) |
| *Kogure, et al., 2020* | Depression | 89 | EX1-30  EX2:30  TAU:29 | T1: Intermediate Exercise  T2: Continuous Exercise  C:TAU | Baseline, 16 weeks | HADS | .48 (-.04-1,00) |
| *Kruisdijk, et al., 2019* | MDD | 46 | EX: 24  TAU:22 | T: Exercise  C:TAU | Baseline, 12 weeks | HAM-D17 | .18 (-.39-.75) |
| *Laidlaw, 2008* | Depression | 40 | CBT: 20  TAU: 20 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 18 weeks, 3 and 6 months (follow up) | GDS, BDI, and HAMD | .420 (-.172-1.016) |
| *Lamers et al., 2010* | Minor to moderate depression | 361 | CBT: 183  TAU: 178 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 13 weeks, and 3 and 9 months (follow up) | BDI | .206 (-.001-.413) |
| *Landreville et al., 1997* | Depression | 23 | CBT: 10  WL: 13 | T: Cognitive Behavioral Bibliotherapy  C: WL | Baseline, post-treatment, 6 months (follow up) | IDD, GDS, and BDI | .300 (-.456-1.056) |
| *Langoni, et al., 2018* | Depression | 52 | EX: 26  WL;26 | T: Exercise  C: WL | Baseline, 24 weeks | GDS | .11 (-.21-.43) |
| *Larcombe et al., 2984* | Depressed patients w/ MS | 19 | CBT: 9  WL: 10 | T: Cognitive Behavioral Therapy  C: WL | Baseline, post-treatment, 4 weeks (follow up) | BDI and HAMD | 3.213 (1.851-4.574) |
| *Legrand, 2014* | Depression | 44 | EX: 22  WL: 22 | T: Aerobic Exercise Training  C: WL | Baseline, 2 week, 4 week, 7 weeks | BDI-II | 1.085 (.272-1.897) |
| *Lobner, et al., 2018* | Depression | 647 | CBT: 320  TAU: 327 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 6 weeks, 6 months | BDI/ PHQ-9 | .41 (.22-.59) |
| *Lowndes, et al., 2018* | Partum Depression | 60 | CBT: 30  WL: 30 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 4 weeks, 12 weeks, | EPDS | .40 (-.11-.91) |
| *Martin et al., 2015* | Depression | 66 | CBT: 36  TAU: 30 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, during treatment, 12 weeks, and 4 months (follow up) | BDI-II | 1.719 (1.010-2.409) |
| *Mather et al., 2002* | Depression | 86 | EX: 43  TAU: 43 | T: Mixed aerobic and strengthening exercise  C: TAU | Baseline, 10 weeks and 34 weeks | GDS and HAMD-17 | .236 (-.191-.663) |
| *McCann et al., 1984* | Depression | 47 | EX: 16  WL: 16 | T: Aerobic Exercise  C: WL | Baseline, 5 weeks and 10 weeks | BDI | 1.010 (.476-1.544) |
| *McIndoo et al., 2016* | Depression | 50 | BA: 16  WL: 14 | T: Behavioral Activation Therapy  C: WL | Baseline, 4 weeks, and 1 month (follow up) | BDI-II and HAMD | 1.056 (.234-1.879) |
| *McNeil et al., 1981* | Depression | 30 | EX: 10  WL: 10 | T: Exercise  C: WL | Baseline, Posttreatment | BDI | 1.484 (.557-2.411) |
| *Milgrom et al., 2011* | Postnatal Depression | 68 | CBT: 23  TAU: 23 | T: Cognitive Behavioral Therapy with Psychologist  C: TAU | Baseline, 3 weeks, and 6 weeks | BDI-II | .360 (-.131-.851) |
| *Milgrom et al., 2016* | Depression | 43 | CBT: 21  TAU: 22 | T: Internet Cognitive Behavioral Therapy  C: TAU | Baseline, 12 weeks | BDI-II and PHQ-9 | .844 (.220-1.468) |
| *Miranda et al., 2003* | Depression | 267 | CBT: 90  TAU: 89 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 1 month, 3 months, and 6 months | HAMD | .160 (-.128-.448) |
| *Miyamoto et al., 2019* | Depression | 45 | EX: 23  WL: 22 | T: Exercise  C: WL | Baseline, 8 weeks, 16 weeks | BDI | .05 (-.539-.630) |
| *Mohamadian, et al., 2018* | Depression | 76 | CBT: 38  TAU:38 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 4 weeks, 8 weeks | BDI | .63 (-.10-1,10) |
| *Mohr et al., 2000* | Depressed patients with MS | 32 | CBT: 16  TAU: 16 | T: Telephone administered CBT  C: TAU | Baseline and 8 weeks | POMS depression scale | .890 (.164-1.617) |
| *Mohr et al., 2005* | Depression | 122 | CBT: 60  NDST: 62 | T: Cognitive Behavioral Therapy  T2: Non-directive Supportive Therapy | Baseline, posttreatment | HAMD and BDI-II | Favor CBT  .451 (.091-.810) |
| *Mota-Pereira et al., 2011* | Treatment Resistant MDD | 33 | EX: 22  TAU: 11 | T: Aerobic Exercise  C: TAU | Baseline, 4 weeks, 8 weeks, 12 weeks | HAMD-17 and BDI- II | 4.599 (3.248-5.950) |
| *Mutrie, 1986* | Depression | 36 | EX: 9  TAU: 7 | T: Aerobic Exercise  C: TAU | Baseline, posttreatment | BDI | 2.408 (1.219-3.597) |
| *Naeem et al., 2014* | Depression | 183 | CBT: 94  TAU: 89 | T: Culturally adapted CBT  C: TAU | Baseline, 12 weeks | Hospital Anxiety and Depression Scale | 1.120 (.809-1.432) |
| *Naik & Cully* | Depression | 255 | N/A | T: Behavioral Activation Therapy  C: TAU | Baseline, 6 months, and 12 months (follow up) | PHQ-9 | .371 (.054- .689) |
| *Nakao, et al., 2018* | MDD | 40 | CBT: 20  WL: 20 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 12 weeks, 24 weeks | HAMD | 1.06 (.402-1.73) |
| *Newby et al., 2017* | Depression | 90 | iCBT: 41  TAU: 49 | T: Internet Cognitive Behavioral Therapy  C: TAU | Baseline, 10 weeks, 3 months (follow up) | PHQ-9 | .786 (.355-1.216) |
| *Ngai et al., 2015* | Post-Natal Depression | 397 | CBT: 197  TAU: 200 | T: Telephone based CBT  C: TAU | Baseline, 6 weeks, 6 months | EPDS | 4.471 (4.103-4.839) |
| *Ngai et al., 2019* | Post-Natal Depression | 388 | CBT1:134  CBT2:124  TAU: 130 | T1: Couples based Cognitive Behavioral Therapy  T2: Individual Cognitive Behavioral Therapy  C: TAU | Baseline, 6 weeks, 6 months, 12 months | EPDS | 1.43 (1.16-1.70) |
| *Noroozi et al., 2017* | Depression | 30 | CBT: 15  WL: 15 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 10 weeks | BDI | 2.697 (1.708-3.686) |
| *Nygren, et al., 2019* | Depression | 50 | CBT: 25  WL: 25 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 8 weeks | BDI-2 | 1.27 (.66-1.88) |
| *Nystrom et al., 2017* | Mild to Moderate Depression | 286 | PA w/o rational: 59  PA w/ rational: 62  BAM: 49  BAL: 63  WL: 53 | T: Physical Activity with or without rational  T2: Behavioral Activation Therapy  C: WL | Baseline, 12 weeks; Internet Administration | PHQ-9 | T vrs C:  .546 (-.514-1.605)  T2 vrs C:  .671 (-.450-1.792) |
| *O’Mahen et al., 2013* | Perinatal Depression | 55 | CBT: 30  TAU: 25 | T: Modified Cognitive Behavioral Therapy  C: TAU | Baseline, 16 weeks, 3 months (follow up) | BDI-II | .620 (.076-1.163) |
| *Omidi et al., 2013* | MDD | 90 | CBT: 30  TAU: 30 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 8 weeks | BSI (Depression Subscale) | 1.655 (1.069-2.241) |
| *Propst et al., 1992* | Depression | 59 | RCT: 10  RCT-NT: 9  RCT-RT: 10  NRCT-RT: 9  NRCT-NT: 10  WL: 11 | Multiple groups with either religious CBT or non-religious CBT with a either religious therapist or non-religious therapist  C: WL | Baseline, 3 months (post treatment), 3 months and 2 years (follow ups) | BDI and HAMD | .900 (.232-1.568) |
| *Qiu et al., 2013* | Major Depression in Breast Cancer Patients | 62 | CBT: 31  WL: 31 | T: Group Cognitive Behavioral Therapy  C: WL | Baseline, 12 weeks | HAMD-17 | 1.490 (.928-2.053) |
| *Ren, et al., 2019* | Depression | 392 | CBT: 98  TAU: 196 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 2 weeks, 4 weeks, 8 weeks, 12 weeks, 16 weeks, 24 weeks | HAMD | .83 (.57-1.08) |
| *Rethorst et al., 2010* | Depression | 171 | EX: 70  WL: 101 | T: Aerobic Exercise  C: WL | Baseline, 5 weeks | BDI | .776 (.373-1.179) |
| *Richards et al., 2015* | Depression | 188 | iCBT: 96  WL: 92 | T: Internet delivered CBT  C: WL | Baseline, Post- Treatment | BDI-II | .650 (.356-.943) |
| *Richards et al., 2016* | Depression | 440 | BA: 221  CBT: 219 | T: Cognitive Behavioral Therapy  T2: Behavioral Activation Therapy | Baseline, 6 months, 12 months, and 18 months | PHQ-9 | 0.00 (-1.5-1.6) |
| *Robledo-Colonia et al., 2012* | Prenatal depression | 80 | EX: 40  WL: 40 | T: Supervised aerobic exercise  C: WL | Baseline, 3 months | CES-D | .849 (.373-1.324) |
| *Ross et al., 1985* | Depression | 51 | ICBT: 21  GCBT: 9  WL: 21 | T: Individual Cognitive Behavioral Therapy  T2: Group Cognitive Behavioral Therapy  C: WL | Baseline, 3 months (post-treatment), 3-, 6-, 12 months (follow ups) | BDI and MARDS | .650 (.104-1.196) |
| *Roy et al., 2018* | Moderate or Severe Depression | 40 | EX: 20  TAU: 20 | T: Aerobic Exercise  C: TAU | Baseline, 10 days; Daily session over 10 days | HAMD | .638 (.003-1.274) |
| *Ruwaard et al., 2009* | Moderate Depression | 54 | CBT: 36  WL: 18 | T: Web based Cognitive Behavioral Therapy  C: WL | Baseline, 11 weeks, 18 months (follow up) | BDI | .843 (.255-1.431) |
| *Sadeghi et al., 2016* | Depression | 46 | CBT: 16  EX: 16  WL: 14 | T: Cognitive Behavioral Therapy  T2: Physical Activity  C: WL | Baseline, Post-Treatment | BDI-II | T vrs T2 (favors CBT):  .468 (-.234-1.140)  T vrs C:  1.412 (.611- 2.213)  T2 vrs C:  .872 (.0965-1.647) |
| *Savard et al., 2006* | Depression in women with breast cancer | 37 | CBT: 21  WL: 16 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 8 weeks, 3 and 6 month (follow up) | BDI and HAMD | .680 (.047-1.313) |
| *Schuch et al., 2011* | Severe depression | 26 | EX: 15  TAU: 11 | T: Aerobic Exercise  C: TAU | Baseline, 2 weeks, at discharge from hospital | HAMD | .857 (.045-1.669) |
| *Schure, et al., 2019* | Depression | 343 | CBT: 181  WL: 162 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 4 weeks, 8 weeks | PHQ-9 | .63 (.41-.85) |
| *Scott et al., 1997* | MDD | 48 | CBT: 24  TAU: 24 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 7 weeks, and 19, 32,and 58 weeks (follow ups) | BDI and HAMD | .473 (-.210-1.155) |
| *Selmi et al., 1990* | Major or Minor Depression | 36 | Computer CBT: 12  Therapist CBT: 12  WL: 12 | T: Computer Assisted CBT  T2: Therapist Assisted CBT  C: WL | Baseline, Post-Treatment, 2 months (follow up) | BDI, HAMD, and SCL-90-R | T vrs C:  1.084 (.227-1,940)  T2 vrs C:  .782 (-.049-1.612) |
| *Serfaty, et al., 2019* | Depression | 230 | CBT:115  TAU: 115 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 6 weeks, 12 weeks, 18 weeks, 24 weeks | BDI | .06 (-.28-.41) |
| *Sims et al., 2006* | Depression | 32 | EX: 14  TAU: 18 | T: Progressive Resistance training  C: TAU | Baseline, 10 weeks, and 6 month; 3 sessions/week | GDS | -.048 (-.803-.707) |
| *Sims et al., 2009* | Depressed Stroke Survivors | 45 | EX: 23  TAU: 22 | T: Progressive Resistance training  C: TAU | Baseline, 10 weeks, and 6 month; PRT program under trainer | CES-D | .541 (-.061-1.144) |
| *Singh et al., 1997* | Depression | 32 | EX: 17  TAU: 15 | T: Progressive Resistance Training  C: TAU | Baseline, 10 weeks | BDI, HAMD, and GDS | 3.105 (2.086-4.124) |
| *Singh et al., 2001* | Minor Depression | 29 | EX: 15  WL: 14 | T: Progressive Resistance Training  C: WL | Baseline, 6 weeks, 10 weeks, 20 weeks, and 26 months (follow up) | BDI | .693 (-.057-1.443) |
| *Singh et al., 2005* | Minor and Major Depression | 60 | High EX: 20  Low EX: 20  TAU: 20 | T: High Intensity PRT  T2: Low intensity PRT  C: TAU | Baseline, 8 weeks | HAMD | T vrs C:  1.024 (.338-1.709)  T2 vrs C:  .326 (-.333-.984) |
| *Smith et al., 2017* | Depression | 270 | iCBT: 61  bCBT: 77  WL: 68 | T: Internet delivered CBT  T2: Cognitive Behavioral Bibliotherapy  C: WL | Baseline, mid-point, post-treatment, and 3 month (follow up) | PHQ-9 | T vrs C:  .865 (.504-1.226)  T2 vrs C:  .994 (.648-1.339) |
| *Soucy et al., 2017* | Mild to Moderate Depression | 59 | BA: 20  EX: 19  WL: 20 | T: Behavioral Activation  T2: Physical Activity  C: WL | Baseline, 4 weeks, 8 weeks, 2 months (follow up) | PHQ-9 | T vrs C:  2.166 (1.385-2.947)  T2 vrs C:  3.547 (2.540-4.554) |
| *Spek et al., 2007* | Depression | 301 | Internet CBT: 102  Group CBT: 99  WL: 100 | T: Internet CBT  T2: Group CBT  C: WL | Baseline, 10 weeks | BDI-II | T vrs C:  .268 (-.009-.545)  T2 vrs C:  .305 (.026-.585) |
| *Taylor et al., 1977* | Mild to Moderate Depression | 28 | CBT:N/A  BA:N/A  WL:N/A | T: Cognitive Behavioral Therapy  T2: Behavioral Activation Therapy  C: WL | Baseline, 4 weeks, 5 weeks (follow up) | BDI | T vrs C:  2.070 (1.046-2.094)  T2 vrs C:  1.736 (.507-2.965) |
| *Thomas, et al., 2019* | Depression | 48 | BA: 25  TAU: 23 | T: Behavioral Acitivation Therapy  C: TAU | Baseline, Post intervention. 6 months | PHQ-9 | .70 (.12-1.29) |
| *Thapinta et al., 2014* | Depression | 60 | CBT: 33  TAU: 27 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 3 weeks, 7 weeks (follow up) | 9Q | .751 (.225-1.278) |
| *Titov et al., 2010* | Depression | 127 | Technician-assisted CBT: 41  Clinician assisted CBT: 46  WL: 40 | T: Technician-assisted CBT  T2: Clinician assisted CBT  C: WL | Baseline, 8 weeks, 4 months (follow up) | BDI-II and PHQ-9 | 1.083 (.629-1.536) |
| *Tollar et al., 2018* | Depression | 74 | EXE:25  CYC: 25  WL:24 | EXE: agility exergaming  CYC: Cycling  C: WL | Baseline, 5 weeks | BDI | 1.36 (.74-1.98) |
| *Tong, et al., 2020* | MDD | 88 | CBT: 43  TAU: 45 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 12 weeks | HRSD | .63 (.20-1.06) |
| *Tulbure et al., 2017* | Depression | 79 | CBT:34  WL:26 | T: Cognitive Behavioral therapy  C: WL | Baseline, post-assessment, 6 months (follow-up) | BDI-II | .873 (.339-1.407) |
| *Valsaraj et al., 2016* | Depression | 67 | CBT: 33  NDST: 34 | T: Cognitive Behavioral Therapy  T2: Non-Directive Supportive Therapy | Baseline, 3 months, and 6 months (follow up) | HAMD | Favor CBT:  1.961 (1.379-2.545) |
| *Vazquez et al., 2017* | Depression | 61 | CBT: 20  BA: 22  TAU: 19 | T: Telephone based CBT  T2: Telephone based BA  C: TAU | Baseline and 5 weeks | CES-D | T vrs C:  2.186 (1.393-2.980)  T2 vrs C:  2.069 (1.309-2.829) |
| *Vernmark et al., 2010* | Depression | 88 | Email CBT: 30  Self- help: 29  WL: 29 | T: Email Cognitive Behavioral Therapy  T2: Self-help Cognitive Behavioral Therapy  C: WL | Baseline, 8 weeks, and 6 months (follow up) | BDI and MADRS-S | .950 (.376-1.523) |
| *Ward et al., 2000* | Depression | 197 | CBT: 63  NDST: 67  TAU: 67 | T: Cognitive Behavioral Therapy  T2: Non-Directive Supportive Therapy  C: TAU | Baseline, posttreatment | BDI | T vrs C:  .416 (.050-.781)  T2 vrs C:  .573 (.220-.927) |
| *Wiersma et al., 2014* | MDD | 139 | CBT: 67  TAU: 72 | T: Cognitive Behavioral Therapy  C:TAU | Baseline, 52 weeks | IDS | .55 (.212-.891) |
| *Williams et al., 2013* | Depression | 281 | CBT: 141  TAU: 140 | T: Cognitive Behavioral guided self-help book  C: TAU | Baseline, 4 months, 12 months (follow up) | BDI-II | .480 (.201-.759) |
| *Williams & Tappen, 2008* | Depression w/ Alzheimer’s disease | 45 | Comprehensive EX: 16  Supervised walking: 17  TAU: 12` | T: Comprehensive Exercise  T2: Supervised walking  C: TAU | Baseline, 16 weeks; | CSDD | .285 (-.467-1.037) |
| *Wilson et al., 1983* | Depression | 25 | BA: 8  CBT: 8  WL: 9 | T: Behavioral Activation Therapy  T2: Cognitive Behavioral Therapy  C: WL | Baseline, midtreatment, 8 weeks, 5 months (follow up) | BDI and HAMD | T vrs C:  2.330 (1.196-3.464)  T2 vrs C:  2.023 (.852-3.193) |
| *Wong et al., 2008* | Major Depressive Disorder | 322 | CBT: 163  WL: 159 | T: Cognitive Behavioral Therapy  C: WL | Baseline, 10 weeks;  Group CBT program | C-BDI | .740 (.516-.964) |
| *Wright et al., 2005* | Depression | 45 | CBT: 15  Computer CBT: 15  WL: 15 | T: Cognitive Behavioral Therapy  T2: Computer –assisted CBT  C: WL | Baseline, 4 weeks, 8 weeks, 3 and 5 months (follow up) | HAMD and BDI | 1.120 (.483-1.757) |
| *Xie, et al., 2017* | Depression | 80 | BA:40  TAU:40 | T: Behavioral Activation Therapy  C: TAU | Baseline, 8 weeks, 20 weeks | GDS | .69 (.24-1.15) |
| *Zu et al., 2014* | Moderate to Severe Depression | 96 | CBT: 12  TAU: 16 | T: Cognitive Behavioral Therapy  C: TAU | Baseline, 3 months, 6 months (follow up) | HAMD | .726 (-.046-1.499) |

**eAPPENDIX 4. CINeMA Results**

We evaluated the confidence in network estimates for each direct comparison according to the following domains: within-study bias, imprecision, heterogeneity, incoherence, indirectness and reporting bias. We used the Confidence In Network Meta-Analysis (CINeMA) software . We assigned ‘no concerns’, ‘some concerns’ or ‘major concerns’ to each network estimate and domain based on the criteria described in the CINeMA documentation and those reported below for each domain. We derived an overall judgment of the confidence that goes from very low to high considering all domains judgments jointly.

**Within-Study Bias**

Overall, a studies with a low risk of bias were rated as no concerns, moderate risk of bias as some concerns, and high risk of bias as Major concerns. The overall risk of bias was summarized for each comparisons by using the ‘average’ risk of bias. The risk of bias for each study was computed using RoB 2.0 assessment tool. This tool examines selection bias, performance bias and detection bias, attrition bias, and reporting bias. We assigned the score of ‘some concerns’ if over 40% of the contribution of studies to the network comparison estimate was from studies with moderate risk of bias. ‘Major concerns’ was used when more then 40% of the contribution was from studies with high risk of bias. If neither of these conditions were met then ‘no concerns’ was used.

**Imprecision**, **Indirectness, heterogeneity and Incoherence**

We assigned ‘no concerns’, ‘some concerns’ or ‘major concerns’ to each network estimate and domain based on the criteria described in the CINeMA documentation and those reported below for each domain. Evaluations of these domains was conducted through methodology discussed by Nikolakopoulou et al. (doi: https://doi.org/10.1101/597047).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Comparison | Within-study bias | Reporting bias | Indirectness | Imprecision | Heterogeneity | Incoherence | Downgrading | Confidence rating |
| TAU vrs CBT | Some concerns | Undetected | No concerns | No concerns | Some concerns | No concerns | -1\* With-in Study bias;  -1\* Heterogeneity | Low |
| TAU vrs BA | Some concerns | Undetected | No concerns | No concerns | Some concerns | No concerns | -1\* With-in Study bias;  -1\* Heterogeneity | Low |
| TAU vrs NDST | Some concerns | Undetected | No concerns | No concerns | Major concerns | No concerns | -1\* With-in Study bias;  -2\* Heterogeneity | Very low |
| TAU vrs EX | Some concerns | Undetected | No concerns | No concerns | Some concerns | No concerns | -1\* With-in Study bias;  -1\* Heterogeneity | Low |
| CBT vrs BA | Some concerns | Undetected | No concerns | No concerns | Major concerns | No concerns | -1\* With-in Study bias;  -2\* Heterogeneity | Very low |
| CBT vrs NDST | Some concerns | Undetected | No concerns | Some concerns | Some concerns | No concerns | -1\* With-in Study bias;  -1\*Heterogeneity;  -1\* Imprecision | Low |
| CBT vrs EX | Some concerns | Undetected | No concerns | Some concerns | Some concerns | No concerns | -1\* With-in Study bias;  -1\*Heterogeneity;  -1\* Imprecision | Low |
| CBT vrs WL | Some concerns | Undetected | No concerns | No concerns | No concerns | No concerns | -1\* With-in Study bias | Moderate |
| BA vrs NDST | Major concerns | Undetected | No concerns | Some concerns | Some concerns | No concerns | -2\* With-in Study bias;  -1\*Heterogeneity;  -1\* Imprecision | Very low |
| BA vrs EX | Some concerns | Undetected | No concerns | Some concerns | Some concerns | No concerns | -1\* With-in Study bias;  -1\*Heterogeneity;  -1\* Imprecision | Low |
| BA vrs WL | Some concerns | Undetected | No concerns | No concerns | No concerns | No concerns | -1\* With-in Study bias | Moderate |
| EX vrs WL | Some concerns | Undetected | No concerns | No concerns | No concerns | No concerns | -1\* With-in Study bias | Moderate |
| TAU vrs WL | Some concerns | Undetected | No concerns | No concerns | Major concerns | Some concerns | -1\* With-in Study bias;  -2\*Heterogeneity;  -1\* Incoherence | Very low |
| NDST vrs EX | Some concerns | Undetected | No concerns | Some concerns | Some concerns | Some concerns | -1\* With-in Study bias;  -1\*Heterogeneity;  -1\* Imprecision;  -1\* Incoherence | Very low |
| NDST vrs WL | Some concerns | Undetected | No concerns | No concerns | Some concerns | Some concerns | -1\* With-in Study bias;  -1\*Heterogeneity;  -1\* Incoherence | Low |

**eAPPENDIX 5. Network Meta-Analysis Stata Codes**

1 \*\*\* Overall NMA 2

3 import delimited "C:\Users\Administrator\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick\Data from Nick\Final\_Manuscript\_and\_Data 12-7-20\Final Psy Data.csv", varnames(1) encoding(UTF-8)

4

1. rename study ID
2. rename smd SMD
3. rename sd SD
4. rename treatment T
5. rename samplesize n 10
6. //prepare the data in the appropriate format
7. network setup SMD SD n, study(ID) trt(T) numcodes // armvars( drop)
8. network convert pairs 14
9. /\*produce a network plot in which nodes are weighted according to the number of evaluating each treatment

studies

1. and edges according to the precision of the direct estimate for each pairwise comparison\*/
2. gen invvarES=1/( \_stderr^2)
3. networkplot \_t1 \_t2, edgew(invvarES) edgecol(by blinding mean) edgesc(1.2) asp(0.8) lab( TAU CBT BA NDST EX WL)

19

20 \*\*\*3.Producing the contribution plot\*\*\* 21

1. //produce the contribution plot
2. netweight \_y \_stderr \_t1 \_t2,asp(0.7) 24

25

26 \*\*\*4.Producing the inconsistency plot\*\*\* 27

1. //produce the inconsistency plot assuming loop-specific heterogeneity estimate
2. ifplot \_y \_stderr \_t1 \_t2 ID 30
3. //assume a common heterogeneity estimate 0.02 in the entire network (derived from network meta)
4. ifplot \_y \_stderr \_t1 \_t2 ID, tau2(0.02) 33

34

35 \*\*\*5.Running network meta-analysis with network meta\*\*\* 36

1. //prepare the data in the appropriate format
2. network convert augment 39
3. //perform network meta-analysis assuming consistency a common heterogeneity across all comparisons in the network
4. set matsize 3000
5. network meta c 43

44 \*\*\*6.Producing the predictive interval plot\*\*\* 45

1. //produce the predictive interval plot
2. intervalplot,pred null(0) lab(TAU CBT BA NDST EX WL) marg(10 40 5 5) xlab(-5 -2.5 0 2.5 5

)

48

49 \*\*\*7.Producing the league table\*\*\* 50

1. /\*produce the league table of the network estimates and sort the treatments according to their relative effects
2. against placebo\*/
3. netleague, lab(TAU CBT BA NDST EX WL) sort(TAU CBT BA NDST EX WL) 54

55

56 \*\*\*8.Producing ranking plots for a single outcome using probabilities\*\*\* 57

1. //estimate the ranking probabilities using network rank command
2. network rank min, all zero reps(5000) gen(prob) 60
3. //produce the rankograms for all treatments
4. sucra prob\*, rankog lab(TAU CBT BA NDST EX WL) 63
5. //produce the cumulative ranking curve plots for all treatments
6. sucra prob\*, lab(TAU CBT BA NDST EX WL) 66

67

68

69

70

71

72

73

\*\*\*9.Producing the ңomparison-adjusted funnel plot\*\*\*

//prepare again the data in the pairs format network convert pairs

74

75

76

//produce the comparison-adjusted funnel plot for all comparisons of an active treatment vs. placebo

netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random

netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random add(lfit

\_stderr \_ES\_CEN)

77

78

79

80

81

82

83

84

85

Overall NMA

1 \*\*\* WL NMA 2

3 import excel "C:\Users\Administrator\Dropbox\Academic Life\01 Data Analysis\NMA

Analysis

for Nick\Data from Nick\Final\_Manuscript\_and\_Data 12-7-20\WL NMA UP.xlsx", sheet("Sheet1") firstrow

4

1. //prepare the data in the appropriate format
2. network setup SMD SD n, study(ID) trt(T) numcodes
3. network convert pairs 8

9 /\*produce a network plot in which nodes are weighted according to the number of evaluating each treatment

studies

1. and edges according to the precision of the direct estimate for each pairwise comparison\*/
2. gen invvarES=1/( \_stderr^2)
3. networkplot \_t1 \_t2, edgew(invvarES) edgecol(by blinding mean) edgesc(1.2) asp(0.8) lab(WL CBT BA NDST EX)

13

14 \*\*\*3.Producing the contribution plot\*\*\* 15

1. //produce the contribution plot
2. netweight \_y \_stderr \_t1 \_t2,asp(0.7) 18

19

20 \*\*\*4.Producing the inconsistency plot\*\*\* 21

1. //produce the inconsistency plot assuming loop-specific heterogeneity estimate
2. ifplot \_y \_stderr \_t1 \_t2 ID 24
3. //assume a common heterogeneity estimate 0.02 in the entire network (derived from network meta)
4. ifplot \_y \_stderr \_t1 \_t2 ID, tau2(0.02) 27

28

29 \*\*\*5.Running network meta-analysis with network meta\*\*\* 30

1. //prepare the data in the appropriate format
2. network convert augment
3. edit 34
4. //perform network meta-analysis assuming consistency a common heterogeneity across all comparisons in the network
5. network meta c 37

38

39 \*\*\*6.Producing the predictive interval plot\*\*\* 40

1. //produce the predictive interval plot
2. intervalplot,pred null(0) lab(WL CBT BA NDST EX) marg(10 40 5 5) xlab(-2 -1.5 -1 -0.5 0 0.5 1)

43

44 \*\*\*7.Producing the league table\*\*\* 45

1. /\*produce the league table of the network estimates and sort the treatments according to their relative effects
2. against placebo\*/
3. netleague, lab(WL CBT BA NDST EX) sort(WL CBT BA NDST EX) 49

50

51 \*\*\*8.Producing ranking plots for a single outcome using probabilities\*\*\* 52

1. //estimate the ranking probabilities using network rank command
2. network rank min, all zero reps(5000) gen(prob) 55
3. //produce the rankograms for all treatments
4. sucra prob\*, rankog lab(WL CBT BA NDST EX) 58
5. //produce the cumulative ranking curve plots for all treatments
6. sucra prob\*, lab(WL CBT BA NDST EX) 61

62

63 \*\*\*9.Producing the ңomparison-adjustedҠfunnel plot\*\*\* 64

1. //prepare again the data in the pairs format
2. network convert pairs

67

1. //produce the comparison-adjusted funnel plot for all comparisons of an active treatment vs. placebo
2. netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random 70

71 netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random add(lfit

\_stderr \_ES\_CEN)

72

73

74

75

76

77

78

79

80

1. //prepare the data in the appropriate format
2. network setup SMD SD n, study(ID) trt(T) numcodes
3. network convert pairs 8

9 /\*produce a network plot in which nodes are weighted according to the number of evaluating each treatment

studies

1. and edges according to the precision of the direct estimate for each pairwise comparison\*/
2. gen invvarES=1/( \_stderr^2)
3. networkplot \_t1 \_t2, edgew(invvarES) edgecol(by blinding mean) edgesc(1.2) asp(0.8) lab( TAU CBT BA NDST EX WL)

13

14 \*\*\*3.Producing the contribution plot\*\*\* 15

1. //produce the contribution plot
2. netweight \_y \_stderr \_t1 \_t2,asp(0.7) 18

19

20 \*\*\*4.Producing the inconsistency plot\*\*\* 21

1. //produce the inconsistency plot assuming loop-specific heterogeneity estimate
2. ifplot \_y \_stderr \_t1 \_t2 ID 24
3. //assume a common heterogeneity estimate 0.02 in the entire network (derived from network meta)
4. ifplot \_y \_stderr \_t1 \_t2 ID, tau2(0.02) 27

28

29 \*\*\*5.Running network meta-analysis with network meta\*\*\* 30

1. //prepare the data in the appropriate format
2. network convert augment
3. edit 34
4. //perform network meta-analysis assuming consistency a common heterogeneity across all comparisons in the network
5. network meta c 37

38

39 \*\*\*6.Producing the predictive interval plot\*\*\* 40

1. //produce the predictive interval plot
2. intervalplot,pred null(0) lab(TAU CBT BA NDST EX WL) marg(10 40 5 5) xlab(-2 -1.5 -1 -0.5 0 0.5 1)

43

44 \*\*\*7.Producing the league table\*\*\* 45

1. /\*produce the league table of the network estimates and sort the treatments according to their relative effects
2. against placebo\*/
3. netleague, lab(TAU CBT BA NDST EX WL) sort(TAU CBT BA NDST EX WL) 49

50

51 \*\*\*8.Producing ranking plots for a single outcome using probabilities\*\*\* 52

1. //estimate the ranking probabilities using network rank command
2. network rank min, all zero reps(5000) gen(prob) 55
3. //produce the rankograms for all treatments
4. sucra prob\*, rankog lab(TAU CBT BA NDST EX WL) 58
5. //produce the cumulative ranking curve plots for all treatments
6. sucra prob\*, lab(TAU CBT BA NDST EX WL) 61

62

63 \*\*\*9.Producing the ңomparison-adjustedҠfunnel plot\*\*\* 64

1. //prepare again the data in the pairs format
2. network convert pairs 67
3. //produce the comparison-adjusted funnel plot for all comparisons of an active treatment vs. placebo
4. netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random 70

71 netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random add(lfi

\_stderr \_ES\_CEN)

72

**eAppendix 6. Network Meta-Analysis Stata Outputs**

User: Lin Zhu, PhD Project: Depression Treatment

**> 2 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 1**

name: **<unnamed>**

log: **C:\Users\Administrator\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick\Data**

* **from Nick\Overall NMA Output 1-3-21.smcl**

log type: **smcl**

opened on: **3 Jan 2021, 11:07:04**

1. . do "C:\Users\ADMINI~1\AppData\Local\Temp\STD00000000.tmp"
2. . //prepare the data in the appropriate format
3. . network setup SMD SD n, study(ID) trt(T) numcodes // armvars( drop) Treatments used

1 (reference): **1**

2: **2**

3: **3**

4: **4**

5: **5**

6: **6**

Measure **Mean difference**

Standard deviation pooling: **off**

Studies

ID variable: **ID**

Number used: **133**

IDs with augmented reference arm: **1 2 5 7 10 12 16 17 18 19 20 21 22 23 24 25 66 67 68 69 70 71 7**

[**> 2 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 1**](file:///C:\Users\Nicholas%20Hooper\Downloads\Overall%20NMA%20Output%201-3-21.docx#_TOC_250000)

**> 04 105 106 107 109 111 116 123 124 126 128 129 130 131 136**

* observations added: **0.001**
* mean in augmented observations: **study-specific mean**
* SD in augmented observations: **study-specific within-arms SD**

Network information

Components: **1 (connected)**

D.f. for inconsistency: **18**

D.f. for heterogeneity: **124**

Current data

Data format: **augmented**

Design variable: **\_design**

Estimate variables: **\_y\***

Variance variables: **\_S\***

Command to list the data: list ID \_y\* \_S\*, noo sepby(\_design)

1. . network convert pairs Converting augmented to pairs ...

5 .

1. . /\*produce a network plot in which nodes are weighted according to the number of studies evaluating e
   * ach treatment
   * and edges according to the precision of the direct estimate for each pairwise comparison\*/
2. . gen invvarES=1/( \_stderr^2)
3. . networkplot \_t1 \_t2, edgew(invvarES) edgecol(by blinding mean) edgesc(1.2) asp(0.8) lab(TAU CBT BA N
   * DST EX WL)

9 .

10 . \*\*\*3.Producing the contribution plot\*\*\* 11 .

1. . //produce the contribution plot
2. . netweight \_y \_stderr \_t1 \_t2,asp(0.7)

**Direct comparisons and number of included studies:**

|  |  |
| --- | --- |
| 1. **1-2** | **41** |
| 2. **1-3** | **5** |
| 3. **1-4** | **6** |
| 4. **1-5** | **20** |
| 5. **2-3** | **7** |
| 6. **2-4** | **11** |
| 7. **2-5** | **5** |
| 8. **2-6** | **40** |
| 9. **3-4** | **1** |
| 10. **3-5** | **2** |
| 11. **3-6** | **8** |
| 12. **5-6** | **15** |

**Direct relative effects:**

|  |  |
| --- | --- |
|  | y |
| 1-2 | **0.78** |
| 1-3 | **0.69** |
| 1-4 | **0.55** |
| 1-5 | **0.90** |
| 2-3 | **0.12** |
| 2-4 | **-0.31** |
| 2-5 | **0.06** |
| 2-6 | **-1.21** |
| 3-4 | **-0.73** |
| 3-5 | **0.19** |
| 3-6 | **-1.52** |
| 5-6 | **-0.74** |

**Variances of direct relative effects:**

1-2 1-3 1-4 1-5 2-3 2-4 2-5 2-6 3-4 3-5 3-6 5-6

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-2 | **0.01** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| 1-3 | **0.00** | **0.06** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| 1-4 | **0.00** | **0.00** | **0.02** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| 1-5 | **0.00** | **0.00** | **0.00** | **0.07** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| 2-3 | **0.00** | **0.00** | **0.00** | **0.00** | **0.03** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| 2-4 | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.03** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| 2-5 | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.02** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |
| 2-6 | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.02** | **0.00** | **0.00** | **0.00** | **0.00** |
| 3-4 | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.30** | **0.00** | **0.00** | **0.00** |
| 3-5 | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **2.09** | **0.00** | **0.00** |
| 3-6 | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.06** | **0.00** |
| 5-6 | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.01** |

**Basic contrasts:**

**1-2 1-3 1-4 1-5 2-6**

**Design matrix:**

1-2 1-3 1-4 1-5 2-6

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-2 | **1** | **0** | **0** | **0** | **0** | | | | | | | | | | |
| 1-3 | **0** | **1** | **0** | **0** | **0** | | | | | | | | | | |
| 1-4 | **0** | **0** | **1** | **0** | **0** | | | | | | | | | | |
| 1-5 | **0** | **0** | **0** | **1** | **0** | | | | | | | | | | |
| 2-3 | **-1** | **1** | **0** | **0** | **0** | | | | | | | | | | |
| 2-4 | **-1** | **0** | **1** | **0** | **0** | | | | | | | | | | |
| 2-5 | **-1** | **0** | **0** | **1** | **0** | | | | | | | | | | |
| 2-6 | **0** | **0** | **0** | **0** | **1** | | | | | | | | | | |
| 3-4 | **0** | **-1** | **1** | **0** | **0** | | | | | | | | | | |
| 3-5 | **0** | **-1** | **0** | **1** | **0** | | | | | | | | | | |
| 3-6 | **1** | **-1** | **0** | **0** | **1** | | | | | | | | | | |
| 5-6 | **1** | **0** | **0** | **-1** | **1** | | | | | | | | | | |
| 1-6 | **1** | **0** | **0** | **0** | **1** | | | | | | | | | | |
| 4-5 | **0** | **0** | **-1** | **1** | **0** | | | | | | | | | | |
| 4-6 | **1** | **0** | **-1** | **0** | **1** | | | | | | | | | | |
| **Hat** | **matrix:** |  |  |  |  | | | | | | | | | | |
| 1-2 | | 1-3 | | 1-4 | 1-5 | 2-3 | | 2-4 | 2-5 | 2-6 | 3-4 | 3-5 | 3-6 | 5-6 | |
| 1-2 | **0.72** | **0.08** | | **0.13** | **0.07** | | **-0.07** | **-0.12** | **-0.05** | **-0.04** | **-0.01** | **0.00** | **0.02** | | **0.02** |
| 1-3 | **0.51** | **0.30** | | **0.12** | **0.07** | | **0.46** | **-0.07** | **0.02** | **0.11** | **-0.05** | **-0.01** | **-0.19** | | **0.08** |
| 1-4 | **0.29** | **0.04** | | **0.63** | **0.03** | | **-0.01** | **0.33** | **-0.02** | **-0.01** | **0.04** | **-0.00** | **0.00** | | **0.01** |
| 1-5 | **0.60** | **0.09** | | **0.11** | **0.20** | | **-0.01** | **-0.10** | **0.45** | **0.27** | **-0.01** | **0.00** | **0.08** | | **-0.34** |
| 2-3 | **-0.20** | **0.22** | | **-0.01** | **-0.01** | | **0.52** | **0.05** | **0.07** | **0.15** | **-0.04** | **-0.01** | **-0.21** | | **0.06** |
| 2-4 | **-0.42** | **-0.04** | | **0.50** | **-0.04** | | **0.06** | **0.45** | **0.03** | **0.03** | **0.04** | **-0.00** | **-0.02** | | **-0.01** |
| 2-5 | **-0.11** | **0.01** | | **-0.02** | **0.13** | | **0.05** | **0.02** | **0.50** | **0.31** | **-0.00** | **0.00** | **0.06** | | **-0.37** |
| 2-6 | **-0.08** | **0.03** | | **-0.01** | **0.06** | | **0.08** | **0.02** | **0.24** | **0.59** | **-0.01** | **0.00** | **0.12** | | **0.29** |
| 3-4 | **-0.22** | **-0.26** | | **0.51** | **-0.04** | | **-0.46** | **0.40** | **-0.04** | **-0.12** | **0.08** | **0.01** | **0.19** | | **-0.07** |
| 3-5 | **0.09** | **-0.21** | | **-0.01** | **0.13** | | **-0.47** | **-0.03** | **0.43** | **0.16** | **0.04** | **0.01** | **0.27** | | **-0.43** |
| 3-6 | **0.13** | **-0.19** | | **0.00** | **0.06** | | **-0.44** | **-0.04** | **0.16** | **0.44** | **0.04** | **0.01** | **0.33** | | **0.23** |
| 5-6 | **0.04** | **0.02** | | **0.01** | **-0.07** | | **0.03** | **-0.01** | **-0.27** | **0.28** | **-0.00** | **-0.00** | **0.06** | | **0.66** |
| 1-6 | **0.64** | **0.11** | | **0.12** | **0.13** | | **0.02** | **-0.11** | **0.18** | **0.55** | **-0.01** | **0.00** | **0.14** | | **0.32** |
| 4-5 | **0.31** | **0.04** | | **-0.52** | **0.17** | | **-0.01** | **-0.43** | **0.47** | **0.28** | **-0.04** | **0.00** | **0.08** | | **-0.36** |
| 4-6 | **0.35** | **0.07** | | **-0.51** | **0.10** | | **0.02** | **-0.44** | **0.20** | **0.56** | **-0.05** | **0.00** | **0.14** | | **0.30** |

**Percentage contribution of each direct comparison in each pairwise summary effect:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-2 | | 1-3 | 1-4 1-5 | | 2-3 | 2-4 | 2-5 | 2-6 | 3-4 | 3-5 | 3-6 | 5-6 | |
| 1-2 | **71.73** | **3.80** | **6.19** | **3.34** | **3.34** | **6.03** | **2.55** | **1.42** | **0.16** | **0.01** | | **0.62** | **0.80** |
| 1-3 | **24.71** | **30.00** | **4.07** | **2.40** | **22.82** | **1.62** | **0.39** | **3.11** | **2.45** | **0.29** | | **5.62** | **2.51** |
| 1-4 | **14.69** | **2.02** | **63.21** | **0.93** | **0.24** | **15.86** | **0.62** | **0.31** | **1.78** | **0.00** | | **0.00** | **0.31** |
| 1-5 | **27.61** | **2.95** | **2.68** | **20.02** | **0.33** | **2.50** | **22.53** | **7.91** | **0.18** | **0.22** | | **2.58** | **10.49** |
| 2-3 | **10.21** | **10.71** | **0.31** | **0.19** | **52.32** | **2.44** | **2.46** | **7.50** | **2.13** | **0.31** | | **9.46** | **1.96** |
| 2-4 | **21.17** | **1.09** | **23.62** | **1.36** | **2.69** | **45.28** | **1.08** | **0.79** | **2.11** | **0.01** | | **0.50** | **0.29** |
| 2-5 | **5.71** | **0.14** | **0.51** | **6.08** | **1.80** | **0.57** | **50.15** | **15.58** | **0.06** | **0.20** | | **1.80** | **17.38** |
| 2-6 | **2.50** | **0.86** | **0.23** | **1.87** | **4.16** | **0.43** | **11.76** | **59.13** | **0.20** | **0.02** | | **5.19** | **13.66** |
| 3-4 | **5.81** | **12.86** | **19.67** | **0.99** | **22.13** | **20.04** | **0.77** | **2.96** | **8.48** | **0.19** | | **4.53** | **1.57** |
| 3-5 | **2.20** | **8.58** | **0.17** | **6.55** | **22.89** | **0.78** | **21.54** | **4.33** | **0.96** | **1.02** | | **13.31** | **17.65** |
| 3-6 | **3.24** | **5.30** | **0.00** | **2.06** | **22.00** | **0.92** | **4.11** | **22.05** | **0.91** | **0.36** | | **32.50** | **6.54** |
| 5-6 | **1.09** | **0.71** | **0.19** | **1.99** | **0.75** | **0.11** | **13.32** | **13.76** | **0.09** | **0.15** | | **1.69** | **66.15** |
| 1-6 | **30.53** | **5.44** | **3.05** | **6.55** | **0.40** | **2.63** | **5.40** | **27.35** | **0.42** | **0.03** | | **6.23** | **11.98** |
| 4-5 | **8.04** | **1.08** | **17.57** | **8.45** | **0.16** | **21.61** | **22.84** | **6.96** | **1.57** | **0.23** | | **2.27** | **9.23** |
| 4-6 | **9.72** | **2.20** | **15.25** | **3.32** | **0.58** | **21.88** | **5.07** | **25.95** | **2.41** | **0.03** | | **5.16** | **8.43** |

**Percentage contribution of each direct comparison in the entire network:**

1-2 1-3 1-4 1-5 2-3 2-4 2-5 2-6 3-4 3-5 3-6 5-6

network **15.93 5.85 10.45 4.41 10.44 9.51 10.97 13.27 1.59 0.20 6.10 11.26**

14 .

15 .

16 . \*\*\*4.Producing the inconsistency plot\*\*\* 17 .

1. . //produce the inconsistency plot assuming loop-specific heterogeneity estimate
2. . ifplot \_y \_stderr \_t1 \_t2 ID

\* 10 triangular loops found

Evaluation of inconsistency using loop-specific heterogeneity estimates:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Loop** | | | **IF** | **seIF** | **z\_value** | **p\_value** | **CI\_95** | **Loop\_Heterog\_tau2** |
| **2** | **3** | **5** | **0.707** | **0.436** | **1.620** | **0.105** | **(0.00,1.56)** | **0.000** |
| **1** | **3** | **4** | **0.613** | **0.736** | **0.833** | **0.405** | **(0.00,2.05)** | **0.138** |
| **2** | **3** | **6** | **0.464** | **0.480** | **0.966** | **0.334** | **(0.00,1.40)** | **0.348** |
| **2** | **5** | **6** | **0.448** | **0.421** | **1.065** | **0.287** | **(0.00,1.27)** | **0.302** |
| **2** | **3** | **4** | **0.365** | **0.672** | **0.543** | **0.587** | **(0.00,1.68)** | **0.077** |
| **1** | **3** | **5** | **0.315** | **1.207** | **0.261** | **0.794** | **(0.00,2.68)** | **0.823** |
| **3** | **5** | **6** | **0.114** | **0.514** | **0.221** | **0.825** | **(0.00,1.12)** | **0.047** |
| **1** | **2** | **3** | **0.045** | **0.419** | **0.107** | **0.915** | **(0.00,0.87)** | **0.209** |
| **1** | **2** | **5** | **0.021** | **0.540** | **0.040** | **0.968** | **(0.00,1.08)** | **0.468** |
| **1** | **2** | **4** | **0.013** | **0.347** | **0.036** | **0.971** | **(0.00,0.69)** | **0.227** |

20 .

1. . //assume a common heterogeneity estimate 0.02 in the entire network (derived from network meta)
2. . ifplot \_y \_stderr \_t1 \_t2 ID, tau2(0.02)

\* 10 triangular loops found

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Loop** | | | **IF** | **seIF** | **z\_value** | **p\_value** | **CI\_95** |
| **1** | **3** | **5** | **1.001** | **0.425** | **2.357** | **0.018** | **(0.17,1.83)** |
| **1** | **3** | **4** | **0.801** | **0.594** | **1.349** | **0.177** | **(0.00,1.96)** |
| **2** | **3** | **5** | **0.728** | **0.478** | **1.522** | **0.128** | **(0.00,1.67)** |
| **2** | **5** | **6** | **0.409** | **0.217** | **1.887** | **0.059** | **(0.00,0.83)** |
| **2** | **3** | **6** | **0.357** | **0.282** | **1.263** | **0.207** | **(0.00,0.91)** |
| **2** | **3** | **4** | **0.303** | **0.607** | **0.498** | **0.618** | **(0.00,1.49)** |
| **1** | **2** | **3** | **0.293** | **0.227** | **1.291** | **0.197** | **(0.00,0.74)** |
| **1** | **2** | **4** | **0.168** | **0.212** | **0.788** | **0.430** | **(0.00,0.58)** |
| **3** | **5** | **6** | **0.085** | **0.463** | **0.183** | **0.855** | **(0.00,0.99)** |
| **1** | **2** | **5** | **0.043** | **0.204** | **0.210** | **0.833** | **(0.00,0.44)** |

23 .

24 .

25 . \*\*\*5.Running network meta-analysis with network meta\*\*\*

26 .

1. . //prepare the data in the appropriate format
2. . network convert augment Converting pairs to augmented ...

29 .

1. . //perform network meta-analysis assuming consistency a common heterogeneity across all comparisons i
   * n the network
2. . set matsize 3000
3. . network meta c

Command is: mvmeta \_y \_S , bscovariance(exch 0.5) longparm suppress(uv mm) vars(\_y\_2 \_y\_3 \_y\_4 \_y\_5

* + \_y\_6)

Note: using method **reml**

Note: using variables **\_y\_2 \_y\_3 \_y\_4 \_y\_5 \_y\_6**

Note: **133** observations on **5** variables

Note: variance-covariance matrix is **proportional to .5\*I(5)+.5\*J(5,5,1)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| initial: | log | likelihood | = | **-577.55349** | | |
| rescale: | log | likelihood | = | **-577.55349** | | |
| rescale eq: | log | likelihood | = | **-571.16639** | | |
| Iteration 0: | log | likelihood | = | **-571.16639** | | |
| Iteration 1: | log | likelihood | = | **-565.84477** | | |
| Iteration 2: | log | likelihood | = | **-565.8357** | | |
| Iteration 3: | log | likelihood | = | **-565.8357** | | |
| Multivariate meta-analysis | | |  |  | | |
| Variance-covariance matrix = Method = **reml** | | | **proportional .5\*I(5)+.5\*J(5,5,1)**  Number of dimensions | | = | **5** |

Restricted log likelihood = **-565.8357** Number of observations = **133**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | Coef. | Std. Err. | z | P>|z| | [95% Conf. Interval] |
| **\_y\_2** | \_cons | **-.8573883** | **.1058892** | **-8.10** | **0.000** | **-1.064927 -.6498493** |
| **\_y\_3** | \_cons | **-.9511186** | **.2103631** | **-4.52** | **0.000** | **-1.363423 -.5388145** |
| **\_y\_4** | \_cons | **-.4908369** | **.2180797** | **-2.25** | **0.024** | **-.9182653 -.0634086** |
| **\_y\_5** | \_cons | **-.7323969** | **.1453363** | **-5.04** | **0.000** | **-1.017251 -.4475431** |
| **\_y\_6** | \_cons | **.3096182** | **.1418512** | **2.18** | **0.029** | **.031595 .5876413** |

Estimated between-studies SDs and correlation matrix:

SD \_y\_2 \_y\_3 \_y\_4 \_y\_5 \_y\_6

\_y\_2 **.65321568 1 . . . .**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| \_y\_3 | **.65321568** | **.5** | **1** | **.** | **.** | **.** |
| \_y\_4 | **.65321568** | **.5** | **.5** | **1** | **.** | **.** |
| \_y\_5 | **.65321568** | **.5** | **.5** | **.5** | **1** | **.** |
| \_y\_6 | **.65321568** | **.5** | **.5** | **.5** | **.5** | **1** |

mvmeta command stored as F9 33 .

34 . \*\*\*6.Producing the predictive interval plot\*\*\* 35 .

1. . //produce the predictive interval plot
2. . intervalplot,pred null(0) lab(TAU CBT BA NDST EX WL) marg(10 40 5 5) xlab(-5 -2.5 0 2.5 5)

The **intervalplot** command assumes that the saved results from **mvmeta** or **network meta** commands have bee

* + n derived from the current dataset

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Comparison** | **Effect\_Size** | **LCI** | **UCI** | **LPrI** | **UPrI** |
| **CBT vs TAU** | **-.8573883** | **-1.064927** | **-.6498493** | **-2.166473** | **.4516964** |
| **BA vs TAU** | **-.9511186** | **-1.363423** | **-.5388145** | **-2.308691** | **.4064538** |
| **NDST vs TAU** | **-.4908369** | **-.9182652** | **-.0634086** | **-1.853166** | **.8714923** |
| **EX vs TAU** | **-.7323969** | **-1.017251** | **-.4475431** | **-2.056211** | **.5914177** |
| **WL vs TAU** | **.3096182** | **.031595** | **.5876414** | **-1.012716** | **1.631953** |
| **BA vs CBT** | **-.0937303** | **-.5020613** | **.3146007** | **-1.450079** | **1.262618** |
| **NDST vs CBT** | **.3665513** | **-.0455175** | **.7786201** | **-.9909483** | **1.724051** |
| **EX vs CBT** | **.1249914** | **-.1748816** | **.4248644** | **-1.202198** | **1.452181** |
| **WL vs CBT** | **1.167006** | **.943074** | **1.390939** | **-.1448276** | **2.47884** |
| **NDST vs BA** | **.4602817** | **-.0910441** | **1.011607** | **-.9466576** | **1.867221** |
| **EX vs BA** | **.2187217** | **-.2441848** | **.6816282** | **-1.155367** | **1.592811** |
| **WL vs BA** | **1.260737** | **.8378393** | **1.683634** | **-.1001513** | **2.621625** |
| **EX vs NDST** | **-.24156** | **-.7319432** | **.2488233** | **-1.625324** | **1.142205** |
| **WL vs NDST** | **.8004551** | **.3394307** | **1.261479** | **-.572989** | **2.173899** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WL vs EX** | **1.042015** | **.7349603** | **1.34907** | **-.2868462** | **2.370876** |

38 .

39 . \*\*\*7.Producing the league table\*\*\* 40 .

1. . /\*produce the league table of the network estimates and sort the treatments according to their relat
   * ive effects
   * against placebo\*/
2. . netleague, lab(TAU CBT BA NDST EX WL) sort(TAU CBT BA NDST EX WL)

The **netleague** command assumes that the saved results from **mvmeta** or **network meta** commands have been d

* + erived from the current dataset

*The league table has been stored at the end of the dataset*

43 .

44 .

45 . \*\*\*8.Producing ranking plots for a single outcome using probabilities\*\*\* 46 .

1. . //estimate the ranking probabilities using network rank command
2. . network rank min, all zero reps(5000) gen(prob)

Command is: mvmeta, noest pbest(min in 1, zero id(ID) all reps(5000) gen(prob) stripprefix(\_y\_) zeron

> ame(1) rename(1 = 1, 2 = 2, 3 = 3, 4 = 4, 5 = 5, 6 = 6))

Estimated probabilities (%) of each treatment being the best (and other ranks)

* + assuming the **minimum** parameter is the best
  + using **5000** draws
  + allowing for parameter uncertainty

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID and Rank | | 1 | 2 | Treatment  3 4 | | 5 | 6 |
| 1 | Best |  |  | **63.0** | **1.7** | **8.0** | **0.0** |
|  | 2nd | **0.0** | **54.3** | **20.2** | **3.7** | **21.7** | **0.0** |
|  | 3rd | **0.0** | **17.5** | **13.9** | **12.3** | **56.3** | **0.0** |
|  | 4th | **1.4** | **0.9** | **2.9** | **80.9** | **14.0** | **0.0** |
|  | 5th | **97.1** | **0.0** | **0.0** | **1.4** | **0.0** | **1.5** |
|  | Worst | **1.5** | **0.0** | **0.0** | **0.0** | **0.0** | **98.5** |

mvmeta command is stored in F9 49 .

1. . //produce the rankograms for all treatments
2. . sucra prob\*, rankog lab(TAU CBT BA NDST EX WL)

**Treatment Relative Ranking of Model 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Treatm~t** | **SUCRA** | **PrBest** | **MeanRank** |
| **TAU** | **20.0** | **00.0** | **05.0** |
| **CBT** | **81.6** | **27.3** | **01.9** |
| **BA** | **88.7** | **63.0** | **01.6** |
| **NDST** | **44.7** | **01.7** | **03.8** |
| **EX** | **64.7** | **08.0** | **02.8** |
| **WL** | **00.3** | **00.0** | **06.0** |

52 .

1. . //produce the cumulative ranking curve plots for all treatments
2. . sucra prob\*, lab(TAU CBT BA NDST EX WL)

**Treatment Relative Ranking of Model 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Treatm~t** | **SUCRA** | **PrBest** | **MeanRank** |
| **TAU** | **20.0** | **00.0** | **05.0** |
| **CBT** | **81.6** | **27.3** | **01.9** |
| **BA** | **88.7** | **63.0** | **01.6** |
| **NDST** | **44.7** | **01.7** | **03.8** |
| **EX** | **64.7** | **08.0** | **02.8** |
| **WL** | **00.3** | **00.0** | **06.0** |

55 .

56 .

57 . \*\*\*9.Producing the ңomparison-adjusted funnel plot\*\*\* 58 .

1. . //prepare again the data in the pairs format
2. . network convert pairs Converting augmented to pairs ...

61 .

1. . //produce the comparison-adjusted funnel plot for all comparisons of an active treatment vs. placebo
2. . netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random

**Comparisons in the plot:**

1. **1 - 5**

2. **1 - 4**

3. **1 - 3**

4. **1 - 2**

64 .

65 . netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random add(lfit \_stderr \_

* ES\_CEN)

**Comparisons in the plot:**

1. **1 - 5**

2. **1 - 4**

3. **1 - 3**

4. **1 - 2**

66 .

end of do-file

67 . log close

name: **<unnamed>**

log: **C:\Users\Administrator\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick\Data**

* **from Nick\Overall NMA Output 1-3-21.smcl**

log type: **smcl**

closed on: **3 Jan 2021, 11:09:06**

log: **C:\Users\Administrator\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick\Data from Nick\WL**

log type: **smcl**

opened on: **2 Apr 2021, 15:53:49**

1 . do "C:\Users\ADMINI~1\AppData\Local\Temp\STD00000000.tmp"

2 .

3 . //prepare the data in the appropriate format

4 . network setup SMD SD n, study(ID) trt(T) numcodes

Treatments used

1 (reference): **1**

2: **2**

3: **3**

4: **4**

5: **5**

Measure **Mean difference**

Standard deviation pooling: **off**

Studies

ID variable: **ID**

Number used: **77**

IDs with augmented reference arm: **45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64**

- observations added: **0.001**

- mean in augmented observations: **study-specific mean**

- SD in augmented observations: **study-specific within-arms SD**

Network information

Components: **1 (connected)**

D.f. for inconsistency: **9**

D.f. for heterogeneity: **70**

Current data

Data format: **augmented** Design variable: **\_design** Estimate variables: **\_y\*** Variance variables: **\_S\***

Command to list the data: list ID \_y\* \_S\*, noo sepby(\_design)

5 . network convert pairs

Converting augmented to pairs ...

6 .

7 . /\*produce a network plot in which nodes are weighted according to the number of studies evaluating each treatment

> and edges according to the precision of the direct estimate for each pairwise comparison\*/

8 . gen invvarES=1/( \_stderr^2)

9 . networkplot \_t1 \_t2, edgew(invvarES) edgecol(by blinding mean) edgesc(1.2) asp(0.8) lab(WL CBT BA NDST EX)

10 .

11 . \*\*\*3.Producing the contribution plot\*\*\*

12 .

13 . //produce the contribution plot

14 . netweight \_y \_stderr \_t1 \_t2,asp(0.7)

**Direct comparisons and number of included studies:**

1. **1-2 40**

2. **1-3 8**

3. **1-5 15**

4. **2-3 7**

5. **2-4 11**

6. **2-5 5**

7. **3-4 1**

8. **3-5 2**

**Indirect comparisons:**

1. **1-4**

2. **4-5**

**Direct relative effects:**

y

1-2 **1.21**

1-3 **1.52**

1-5 **0.74**

2-3 **0.12**

2-4 **-0.31**

2-5 **0.06**

3-4 **-0.73**

3-5 **0.19**

**Variances of direct relative effects:**

1-2 1-3 1-5 2-3 2-4 2-5 3-4 3-5

1-2 **0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00**

1-3 **0.00 0.06 0.00 0.00 0.00 0.00 0.00 0.00**

1-5 **0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00**

2-3 **0.00 0.00 0.00 0.03 0.00 0.00 0.00 0.00**

2-4 **0.00 0.00 0.00 0.00 0.03 0.00 0.00 0.00**

2-5 **0.00 0.00 0.00 0.00 0.00 0.02 0.00 0.00**

3-4 **0.00 0.00 0.00 0.00 0.00 0.00 0.30 0.00**

3-5 **0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.09**

**Basic contrasts:**

**1-2 1-3 1-5 2-4**

**Design matrix:**

1-2 1-3 1-5 2-4

1-2 **1 0 0 0**

1-3 **0 1 0 0**

1-5 **0 0 1 0**

2-3 **-1 1 0 0**

2-4 **0 0 0 1**

2-5 **-1 0 1 0**

3-4 **1 -1 0 1**

3-5 **0 -1 1 0**

1-4 **1 0 0 1**

4-5 **-1 0 1 -1**

**Hat matrix:**

1-2 1-3 1-5 2-3 2-4 2-5 3-4 3-5

1-2 **0.62 0.11 0.27 -0.10 -0.01 -0.27 0.01 -0.00**

1-3 **0.43 0.38 0.19 0.56 0.05 -0.18 -0.05 -0.01**

1-5 **0.26 0.05 0.69 -0.04 -0.00 0.30 0.00 0.00**

2-3 **-0.19 0.27 -0.08 0.67 0.06 0.09 -0.06 -0.01**

2-4 **-0.02 0.03 -0.01 0.06 0.91 0.01 0.09 -0.00**

2-5 **-0.36 -0.06 0.42 0.06 0.01 0.57 -0.01 0.00**

3-4 **0.17 -0.24 0.07 -0.61 0.85 -0.08 0.15 0.01**

3-5 **-0.17 -0.33 0.50 -0.61 -0.05 0.49 0.05 0.01**

1-4 **0.60 0.14 0.26 -0.04 0.90 -0.26 0.10 -0.00**

4-5 **-0.34 -0.09 0.43 -0.00 -0.90 0.57 -0.10 0.01**

**Percentage contribution of each direct comparison in each pairwise summary effect:**

1-2 1-3 1-5 2-3 2-4 2-5 3-4 3-5

1-2 **61.66 5.50 13.52 5.25 0.28 13.49 0.28 0.03**

1-3 **21.36 38.02 6.18 25.92 1.17 5.73 1.17 0.45**

1-5 **12.96 1.64 69.24 1.39 0.09 14.43 0.09 0.17**

2-3 **9.46 12.08 2.61 66.89 2.78 3.01 2.78 0.39**

2-4 **0.60 0.79 0.19 3.19 90.99 0.21 4.00 0.02**

2-5 **17.87 2.09 19.96 2.19 0.13 57.40 0.13 0.23**

3-4 **5.71 7.48 1.77 30.26 37.97 2.01 14.56 0.24**

3-5 **5.19 16.59 21.77 28.31 1.26 24.38 1.26 1.25**

1-4 **29.93 6.25 8.77 1.35 40.00 8.72 4.94 0.05**

4-5 **11.31 2.98 14.29 0.01 39.58 28.29 3.26 0.27**

**Percentage contribution of each direct comparison in the entire network:**

1-2 1-3 1-5 2-3 2-4 2-5 3-4 3-5 network **17.60 9.34 15.83 16.48 21.42 15.77 3.25 0.31**

15 .

16 .

17 . \*\*\*4.Producing the inconsistency plot\*\*\*

18 .

19 . //produce the inconsistency plot assuming loop-specific heterogeneity estimate

20 . ifplot \_y \_stderr \_t1 \_t2 ID

\* 5 triangular loops found

Evaluation of inconsistency using loop-specific heterogeneity estimates:

**Loop IF seIF z\_value p\_value CI\_95 Loop\_Heterog\_tau2**

**2 3 5 0.707 0.436 1.620 0.105 (0.00,1.56) 0.000**

**1 2 3 0.464 0.480 0.966 0.334 (0.00,1.40) 0.348**

**1 2 5 0.448 0.421 1.065 0.287 (0.00,1.27) 0.302**

**2 3 4 0.365 0.672 0.543 0.587 (0.00,1.68) 0.077**

**1 3 5 0.114 0.514 0.221 0.825 (0.00,1.12) 0.047**

21 .

22 . //assume a common heterogeneity estimate 0.02 in the entire network (derived from network meta)

23 . ifplot \_y \_stderr \_t1 \_t2 ID, tau2(0.02)

\* 5 triangular loops found

**Loop IF seIF z\_value p\_value CI\_95**

**2 3 5 0.728 0.478 1.522 0.128 (0.00,1.67)**

**1 2 5 0.409 0.217 1.887 0.059 (0.00,0.83)**

**1 2 3 0.357 0.282 1.263 0.207 (0.00,0.91)**

**2 3 4 0.303 0.607 0.498 0.618 (0.00,1.49)**

**1 3 5 0.085 0.463 0.183 0.855 (0.00,0.99)**

24 .

25 .

26 . \*\*\*5.Running network meta-analysis with network meta\*\*\*

27 .

28 . //prepare the data in the appropriate format

29 . network convert augment

Converting pairs to augmented ...

30 . edit

31 .

32 . //perform network meta-analysis assuming consistency a common heterogeneity across all comparisons in the network

33 . network meta c

Command is: mvmeta \_y \_S , bscovariance(exch 0.5) longparm suppress(uv mm) vars(\_y\_2 \_y\_3 \_y\_4 \_y\_5) Note: using method **reml**

Note: using variables **\_y\_2 \_y\_3 \_y\_4 \_y\_5**

Note: **77** observations on **4** variables

Note: variance-covariance matrix is **proportional to .5\*I(4)+.5\*J(4,4,1)**

initial: log likelihood = **-218.64884** rescale: log likelihood = **-218.64884** rescale eq: log likelihood = **-204.39526**

Iteration 0: log likelihood = **-204.39526**

Iteration 1: log likelihood = **-203.84905**

Iteration 2: log likelihood = **-203.83061**

Iteration 3: log likelihood = **-203.83058**

Iteration 4: log likelihood = **-203.83058**

Multivariate meta-analysis

Variance-covariance matrix = **proportional .5\*I(4)+.5\*J(4,4,1)**

Method = **reml** Number of dimensions = **4**

Restricted log likelihood = **-203.83058** Number of observations = **77**

Coef. Std. Err. z P>|z| [95% Conf. Interval]

**\_y\_2**

\_cons **-1.155981 .096099 -12.03 0.000 -1.344331 -.9676301**

**\_y\_3**

\_cons **-1.384851 .2081191 -6.65 0.000 -1.792757 -.9769446**

**\_y\_4**

\_cons **-.8352677 .2086408 -4.00 0.000 -1.244196 -.4263392**

**\_y\_5**

\_cons **-.8802743 .1520023 -5.79 0.000 -1.178193 -.5823553**

Estimated between-studies SDs and correlation matrix:

SD \_y\_2 \_y\_3 \_y\_4 \_y\_5

\_y\_2 **.46056248 1 . . .**

\_y\_3 **.46056248 .5 1 . .**

\_y\_4 **.46056248 .5 .5 1 .**

\_y\_5 **.46056248 .5 .5 .5 1**

mvmeta command stored as F9

34 .

35 .

36 . \*\*\*6.Producing the predictive interval plot\*\*\*

37 .

38 . //produce the predictive interval plot

39 . intervalplot,pred null(0) lab(WL CBT BA NDST EX) marg(10 40 5 5) xlab(-2 -1.5 -1 -0.5 0 0.5 1)

The **intervalplot** command assumes that the saved results from **mvmeta** or **network meta** commands have been derived from

**Comparison Effect\_Size LCI UCI LPrI UPrI**

**CBT vs WL -1.155981 -1.344331 -.9676301 -2.093228 -.2187335**

**BA vs WL -1.384851 -1.792756 -.9769446 -2.391663 -.3780377**

**NDST vs WL -.8352677 -1.244196 -.4263392 -1.842509 .1719735**

**EX vs WL -.8802742 -1.178193 -.5823553 -1.846439 .0858901**

**BA vs CBT -.2288699 -.6378289 .1800891 -1.236124 .7783841**

**NDST vs CBT .320713 -.045427 .6868531 -.669375 1.310801**

**EX vs CBT .2757064 -.0512022 .6026151 -.7000938 1.251507**

**NDST vs BA .5495829 .021831 1.077335 -.5132032 1.612369**

**EX vs BA .5045763 .0206958 .9884568 -.5364161 1.545569**

**EX vs NDST -.0450066 -.5330645 .4430514 -1.088012 .9979985**

40 .

41 . \*\*\*7.Producing the league table\*\*\*

42 .

43 . /\*produce the league table of the network estimates and sort the treatments according to their relative effects

> against placebo\*/

44 . netleague, lab(WL CBT BA NDST EX) sort(WL CBT BA NDST EX)

The **netleague** command assumes that the saved results from **mvmeta** or **network meta** commands have been derived from the

*The league table has been stored at the end of the dataset*

45 .

46 .

47 . \*\*\*8.Producing ranking plots for a single outcome using probabilities\*\*\*

48 .

49 . //estimate the ranking probabilities using network rank command

50 . network rank min, all zero reps(5000) gen(prob)

Command is: mvmeta, noest pbest(min in 1, zero id(ID) all reps(5000) gen(prob) stripprefix(\_y\_) zeroname(1) rename(1 = 1,

Estimated probabilities (%) of each treatment being the best (and other ranks)

- assuming the **minimum** parameter is the best

- using **5000** draws

- allowing for parameter uncertainty

ID and Treatment

Rank 1 2 3 4 5

1

Best **0.0 13.4 85.1 1.0 0.5**

2nd **0.0 78.5 11.9 4.4 5.1**

3rd **0.0 8.0 2.5 38.1 51.4**

4th **0.0 0.1 0.5 56.5 42.9**

Worst **100.0 0.0 0.0 0.0 0.0**

mvmeta command is stored in F9

51 .

52 . //produce the rankograms for all treatments

53 . sucra prob\*, rankog lab(WL CBT BA NDST EX)

**Treatment Relative Ranking of Model 1**

**Treatm~t SUCRA PrBest MeanRank**

**WL 00.0 00.0 05.0**

**CBT 76.3 13.4 01.9**

**BA 95.4 85.1 01.2**

**NDST 37.5 01.0 03.5**

**EX 40.8 00.5 03.4**

54 .

55 . //produce the cumulative ranking curve plots for all treatments

56 . sucra prob\*, lab(WL CBT BA NDST EX)

**Treatment Relative Ranking of Model 1**

**Treatm~t SUCRA PrBest MeanRank**

**WL 00.0 00.0 05.0**

**CBT 76.3 13.4 01.9**

**BA 95.4 85.1 01.2**

**NDST 37.5 01.0 03.5**

**EX 40.8 00.5 03.4**

57 .

58 .

59 . \*\*\*9.Producing the ңomparison-adjustedҠfunnel plot\*\*\*

60 .

61 . //prepare again the data in the pairs format

62 . network convert pairs

Converting augmented to pairs ...

63 .

64 . //produce the comparison-adjusted funnel plot for all comparisons of an active treatment vs. placebo

65 . netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random

**Comparisons in the plot:**

1. **1 - 5**

2. **1 - 3**

3. **1 - 2**

66 .

67 . netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random add(lfit \_stderr \_ES\_CEN)

**Comparisons in the plot:**

1. **1 - 5**

2. **1 - 3**

3. **1 - 2**

68 .

69 .

end of do-file

70 . log close

name: **<unnamed>**

log: **C:\Users\Administrator\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick\Data from Nick\WL**

log type: **smcl**

closed on: **2 Apr 2021, 16:03:58**

mean in augmented observations: **study-specific mean**

name: **<unnamed>**

log: **C:\Users\Administrator\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick**

* **from Nick\TAU NMA Output 1-3-21.smcl**

log type: **smcl**

opened on: **3 Jan 2021, 10:48:56**

1. . do "C:\Users\ADMINI~1\AppData\Local\Temp\STD00000000.tmp"
2. . //prepare the data in the appropriate format
3. . network setup SMD SD n, study(ID) trt(T) numcodes Treatments used

1 (reference): **1**

2: **2**

3: **3**

4: **4**

5: **5**

Measure **Mean difference**

Standard deviation pooling: **off**

Studies

ID variable: **ID**

Number used: **82**

IDs with augmented reference arm: **1 2 5 7 10 12 16 17 18 19 20 21 22 23 24 25 66 79**

* observations added: **0.001**
* mean in augmented observations: **study-specific mean**
* SD in augmented observations: **study-specific within-arms SD**

Network information

Components: **1 (connected)**

D.f. for inconsistency: **11**

D.f. for heterogeneity: **75**

Current data

Data format: **augmented**

Design variable: **\_design**

Estimate variables: **\_y\***

Variance variables: **\_S\***

Command to list the data: list ID \_y\* \_S\*, noo sepby(\_design)

1. . network convert pairs Converting augmented to pairs ...

5 .

1. . /\*produce a network plot in which nodes are weighted according to the number of studies evaluating e
   * ach treatment
   * and edges according to the precision of the direct estimate for each pairwise comparison\*/
2. . gen invvarES=1/( \_stderr^2)
3. . networkplot \_t1 \_t2, edgew(invvarES) edgecol(by blinding mean) edgesc(1.2) asp(0.8) lab(TAU CBT BA N
   * DST EX WL)

9 .

10 . \*\*\*3.Producing the contribution plot\*\*\* 11 .

1. . //produce the contribution plot
2. . netweight \_y \_stderr \_t1 \_t2,asp(0.7)

**Direct comparisons and number of included studies:**

|  |  |
| --- | --- |
| 1. **1-2** | **41** |
| 2. **1-3** | **5** |
| 3. **1-4** | **6** |
| 4. **1-5** | **20** |
| 5. **2-3** | **7** |
| 6. **2-4** | **11** |
| 7. **2-5** | **5** |
| 8. **3-4** | **1** |
| 9. **3-5** | **2** |

**Indirect comparisons:**

1. **4-5**

**Direct relative effects:**

|  |  |
| --- | --- |
|  | y |
| 1-2 | **0.78** |
| 1-3 | **0.69** |
| 1-4 | **0.55** |
| 1-5 | **0.90** |
| 2-3 | **0.12** |
| 2-4 | **-0.31** |
| 2-5 | **0.06** |
| 3-4 | **-0.73** |
| 3-5 | **0.19** |

**Variances of direct relative effects:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1-2 | 1-3 | 1-4 1-5 | 2-3 2-4 | 2-5 | 3-4 | 3-5 |
| 1-2 | **0.01** | **0.00** | **0.00 0.00** | **0.00 0.00** | **0.00** | **0.00** | **0.00** |
| 1-3 | **0.00** | **0.06** | **0.00 0.00** | **0.00 0.00** | **0.00** | **0.00** | **0.00** |
| 1-4 | **0.00** | **0.00** | **0.02 0.00** | **0.00 0.00** | **0.00** | **0.00** | **0.00** |
| 1-5 | **0.00** | **0.00** | **0.00 0.07** | **0.00 0.00** | **0.00** | **0.00** | **0.00** |
| 2-3 | **0.00** | **0.00** | **0.00 0.00** | **0.03 0.00** | **0.00** | **0.00** | **0.00** |
| 2-4 | **0.00** | **0.00** | **0.00 0.00** | **0.00 0.03** | **0.00** | **0.00** | **0.00** |
| 2-5 | **0.00** | **0.00** | **0.00 0.00** | **0.00 0.00** | **0.02** | **0.00** | **0.00** |
| 3-4 | **0.00** | **0.00** | **0.00 0.00** | **0.00 0.00** | **0.00** | **0.30** | **0.00** |
| 3-5 | **0.00** | **0.00** | **0.00 0.00** | **0.00 0.00** | **0.00** | **0.00** | **2.09** |

**Basic contrasts:**

**1-2 1-3 1-4 1-5**

**Design matrix:**

1-2 1-3 1-4 1-5

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1-2 | **1** | **0** | **0** | **0** | | | | | | |
| 1-3 | **0** | **1** | **0** | **0** | | | | | | |
| 1-4 | **0** | **0** | **1** | **0** | | | | | | |
| 1-5 | **0** | **0** | **0** | **1** | | | | | | |
| 2-3 | **-1** | **1** | **0** | **0** | | | | | | |
| 2-4 | **-1** | **0** | **1** | **0** | | | | | | |
| 2-5 | **-1** | **0** | **0** | **1** | | | | | | |
| 3-4 | **0** | **-1** | **1** | **0** | | | | | | |
| 3-5 | **0** | **-1** | **0** | **1** | | | | | | |
| 4-5 | **0** | **0** | **-1** | **1** | | | | | | |
| **Hat** | **matrix:** |  |  |  | | | | | | |
|  | 1-2 | 1-3 | | 1-4 1-5 2-3 2-4 2-5 3-4 3-5 | | | | | | |
| 1-2 | **0.73** | **0.08** | | **0.13** | **0.07** | **-0.08** | **-0.12** | **-0.07** | **-0.01** | **0.00** |
| 1-3 | **0.48** | **0.35** | | **0.12** | **0.05** | **0.58** | **-0.06** | **-0.04** | **-0.06** | **-0.01** |
| 1-4 | **0.30** | **0.04** | | **0.63** | **0.03** | **-0.01** | **0.33** | **-0.03** | **0.04** | **-0.00** |
| 1-5 | **0.57** | **0.06** | | **0.10** | **0.27** | **-0.06** | **-0.10** | **0.72** | **-0.00** | **0.01** |
| 2-3 | **-0.25** | **0.28** | | **-0.01** | **-0.02** | **0.66** | **0.06** | **0.03** | **-0.05** | **-0.01** |
| 2-4 | **-0.43** | **-0.03** | | **0.50** | **-0.04** | **0.07** | **0.45** | **0.04** | **0.04** | **-0.00** |
| 2-5 | **-0.16** | **-0.01** | | **-0.03** | **0.20** | **0.02** | **0.03** | **0.79** | **0.00** | **0.01** |
| 3-4 | **-0.18** | **-0.31** | | **0.51** | **-0.02** | **-0.59** | **0.39** | **0.01** | **0.09** | **0.01** |
| 3-5 | **0.09** | **-0.29** | | **-0.02** | **0.22** | **-0.64** | **-0.04** | **0.76** | **0.05** | **0.02** |
| 4-5 | **0.27** | **0.02** | | **-0.53** | **0.24** | **-0.05** | **-0.43** | **0.75** | **-0.04** | **0.01** |

**Percentage contribution of each direct comparison in each pairwise summary effect:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1-2 | 1-3 | 1-4 | 1-5 | 2-3 | 2-4 | 2-5 | 3-4 | 3-5 |
| 1-2 | **72.61** | **3.77** | **6.31** | **3.52** | **3.94** | **6.13** | **3.53** | **0.18** | **0.01** |
| 1-3 | **23.99** | **35.37** | **4.93** | **1.74** | **27.30** | **1.96** | **1.35** | **2.97** | **0.39** |
| 1-4 | **14.79** | **2.03** | **63.25** | **0.96** | **0.25** | **15.99** | **0.95** | **1.78** | **0.00** |
| 1-5 | **28.37** | **2.17** | **3.30** | **27.11** | **1.90** | **3.19** | **33.46** | **0.12** | **0.38** |
| 2-3 | **12.32** | **13.38** | **0.33** | **0.74** | **65.97** | **3.02** | **1.15** | **2.69** | **0.41** |
| 2-4 | **21.51** | **1.08** | **23.98** | **1.39** | **3.13** | **45.44** | **1.40** | **2.06** | **0.01** |
| 2-5 | **7.94** | **0.48** | **0.92** | **9.33** | **0.86** | **0.90** | **79.20** | **0.02** | **0.36** |
| 3-4 | **6.13** | **15.54** | **22.22** | **0.55** | **25.96** | **19.54** | **0.30** | **9.50** | **0.26** |
| 3-5 | **2.77** | **13.46** | **0.45** | **11.14** | **31.87** | **1.22** | **35.86** | **1.67** | **1.55** |
| 4-5 | **9.05** | **0.46** | **21.63** | **12.12** | **1.54** | **21.37** | **31.97** | **1.48** | **0.39** |

**Percentage contribution of each direct comparison in the entire network:**

1-2 1-3 1-4 1-5 2-3 2-4 2-5 3-4 3-5

network **19.95 8.77 14.73 6.86 16.27 11.88 18.92 2.25 0.38**

14 .

15 .

16 . \*\*\*4.Producing the inconsistency plot\*\*\* 17 .

1. . //produce the inconsistency plot assuming loop-specific heterogeneity estimate
2. . ifplot \_y \_stderr \_t1 \_t2 ID

\* 7 triangular loops found

Evaluation of inconsistency using loop-specific heterogeneity estimates:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Loop** | | | **IF** | **seIF** | **z\_value** | **p\_value** | **CI\_95** | **Loop\_Heterog\_tau2** |
| **2** | **3** | **5** | **0.707** | **0.436** | **1.620** | **0.105** | **(0.00,1.56)** | **0.000** |
| **1** | **3** | **4** | **0.613** | **0.736** | **0.833** | **0.405** | **(0.00,2.05)** | **0.138** |
| **2** | **3** | **4** | **0.365** | **0.672** | **0.543** | **0.587** | **(0.00,1.68)** | **0.077** |
| **1** | **3** | **5** | **0.315** | **1.207** | **0.261** | **0.794** | **(0.00,2.68)** | **0.823** |
| **1** | **2** | **3** | **0.045** | **0.419** | **0.107** | **0.915** | **(0.00,0.87)** | **0.209** |
| **1** | **2** | **5** | **0.021** | **0.540** | **0.040** | **0.968** | **(0.00,1.08)** | **0.468** |
| **1** | **2** | **4** | **0.013** | **0.347** | **0.036** | **0.971** | **(0.00,0.69)** | **0.227** |

20 .

1. . //assume a common heterogeneity estimate 0.02 in the entire network (derived from network meta)
2. . ifplot \_y \_stderr \_t1 \_t2 ID, tau2(0.02)

\* 7 triangular loops found

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Loop** | | | **IF** | **seIF** | **z\_value** | **p\_value** | **CI\_95** |
| **1** | **3** | **5** | **1.001** | **0.425** | **2.357** | **0.018** | **(0.17,1.83)** |
| **1** | **3** | **4** | **0.801** | **0.594** | **1.349** | **0.177** | **(0.00,1.96)** |
| **2** | **3** | **5** | **0.728** | **0.478** | **1.522** | **0.128** | **(0.00,1.67)** |
| **2** | **3** | **4** | **0.303** | **0.607** | **0.498** | **0.618** | **(0.00,1.49)** |
| **1** | **2** | **3** | **0.293** | **0.227** | **1.291** | **0.197** | **(0.00,0.74)** |
| **1** | **2** | **4** | **0.168** | **0.212** | **0.788** | **0.430** | **(0.00,0.58)** |
| **1** | **2** | **5** | **0.043** | **0.204** | **0.210** | **0.833** | **(0.00,0.44)** |

23 .

24 .

25 . \*\*\*5.Running network meta-analysis with network meta\*\*\*

26 .

1. . //prepare the data in the appropriate format
2. . network convert augment Converting pairs to augmented ...
3. . edit 30 .
4. . //perform network meta-analysis assuming consistency a common heterogeneity across all comparisons i
   * n the network
5. . network meta c

Command is: mvmeta \_y \_S , bscovariance(exch 0.5) longparm suppress(uv mm) vars(\_y\_2 \_y\_3 \_y\_4 \_y\_5) Note: using method **reml**

Note: using variables **\_y\_2 \_y\_3 \_y\_4 \_y\_5**

Note: **82** observations on **4** variables

Note: variance-covariance matrix is **proportional to .5\*I(4)+.5\*J(4,4,1)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| initial: | log | likelihood | = | **-220.20369** | | |
| rescale: | log | likelihood | = | **-220.20369** | | |
| rescale eq: | log | likelihood | = | **-220.20369** | | |
| Iteration 0: | log | likelihood | = | **-220.20369** | | |
| Iteration 1: | log | likelihood | = | **-215.55457** | | |
| Iteration 2: | log | likelihood | = | **-215.54923** | | |
| Iteration 3: | log | likelihood | = | **-215.54922** | | |
| Multivariate meta-analysis | | |  |  | | |
| Variance-covariance matrix = Method = **reml** | | | **proportional .5\*I(4)+.5\*J(4,4,1)**  Number of dimensions | | = | **4** |

Restricted log likelihood = **-215.54922** Number of observations = **82**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | Coef. | Std. Err. | z | P>|z| | [95% Conf. Interval] |
| **\_y\_2** | \_cons | **-.8359639** | **.1205615** | **-6.93** | **0.000** | **-1.07226 -.5996676** |
| **\_y\_3** | \_cons | **-.807711** | **.2497216** | **-3.23** | **0.001** | **-1.297156 -.3182657** |
| **\_y\_4** | \_cons | **-.4686596** | **.2362107** | **-1.98** | **0.047** | **-.9316242 -.0056951** |
| **\_y\_5** | \_cons | **-.8519526** | **.178738** | **-4.77** | **0.000** | **-1.202273 -.5016326** |

Estimated between-studies SDs and correlation matrix:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| \_y\_2 | SD  **.72421782** | \_y\_2 | **1** | \_y\_3 | \_y\_4  **. .** | | \_y\_5 | **.** |
| \_y\_3 | **.72421782** | **.5** | | **1** | | **.** | **.** | |
| \_y\_4 | **.72421782** | **.5** | | **.5** | | **1** | **.** | |
| \_y\_5 | **.72421782** | **.5** | | **.5** | | **.5** | **1** | |

mvmeta command stored as F9

33 .

34 .

35 . \*\*\*6.Producing the predictive interval plot\*\*\* 36 .

1. . //produce the predictive interval plot
2. . intervalplot,pred null(0) lab(TAU CBT BA NDST EX WL) marg(10 40 5 5) xlab(-2 -1.5 -1 -0.5 0 0.5 1)

The **intervalplot** command assumes that the saved results from **mvmeta** or **network meta** commands hav

* + n derived from the current dataset

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Comparison** | **Effect\_Size** | **LCI** | **UCI** | **LPrI** | **UPrI** |
| **CBT vs TAU** | **-.8359638** | **-1.07226** | **-.5996676** | **-2.297037** | **.6251094** |
| **BA vs TAU** | **-.807711** | **-1.297156** | **-.3182657** | **-2.332225** | **.7168027** |
| **NDST vs TAU** | **-.4686596** | **-.9316242** | **-.0056951** | **-1.984622** | **1.047302** |
| **EX vs TAU** | **-.8519527** | **-1.202273** | **-.5016326** | **-2.336437** | **.6325316** |
| **BA vs CBT** | **.0282529** | **-.4692643** | **.5257701** | **-1.498952** | **1.555458** |
| **NDST vs CBT** | **.3673042** | **-.0776529** | **.8122614** | **-1.143088** | **1.877697** |
| **EX vs CBT** | **-.0159888** | **-.4162545** | **.3842769** | **-1.513434** | **1.481456** |
| **NDST vs BA** | **.3390514** | **-.2896168** | **.9677196** | **-1.237219** | **1.915321** |
| **EX vs BA** | **-.0442417** | **-.6169556** | **.5284723** | **-1.598373** | **1.50989** |
| **EX vs NDST** | **-.383293** | **-.9521759** | **.1855898** | **-1.935973** | **1.169387** |

39 .

40 . \*\*\*7.Producing the league table\*\*\* 41 .

1. . /\*produce the league table of the network estimates and sort the treatments according to their relat
   * ive effects
   * against placebo\*/
2. . netleague, lab(TAU CBT BA NDST EX WL) sort(TAU CBT BA NDST EX WL)

The **netleague** command assumes that the saved results from **mvmeta** or **network meta** commands have b

* + erived from the current dataset

*The league table has been stored at the end of the dataset*

44 .

45 .

46 . \*\*\*8.Producing ranking plots for a single outcome using probabilities\*\*\* 47 .

1. . //estimate the ranking probabilities using network rank command
2. . network rank min, all zero reps(5000) gen(prob)

Command is: mvmeta, noest pbest(min in 1, zero id(ID) all reps(5000) gen(prob) stripprefix(\_y\_) zeron

> ame(1) rename(1 = 1, 2 = 2, 3 = 3, 4 = 4, 5 = 5))

Estimated probabilities (%) of each treatment being the best (and other ranks)

* + assuming the **minimum** parameter is the best
  + using **5000** draws
  + allowing for parameter uncertainty

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID and Rank | | 1 | Treatment 2 3 | | 4 | 5 |
| 1 | Best |  |  | **31.9** | **1.8** | **38.1** |
|  | 2nd | **0.0** | **41.7** | **23.1** | **4.6** | **30.6** |
|  | 3rd | **0.0** | **27.9** | **32.1** | **14.8** | **25.2** |
|  | 4th | **2.0** | **2.2** | **12.9** | **76.9** | **6.1** |
|  | Worst | **98.0** | **0.0** | **0.0** | **2.0** | **0.0** |

mvmeta command is stored in F9

50 .

1. . //produce the rankograms for all treatments
2. . sucra prob\*, rankog lab(TAU CBT BA NDST EX WL)

**Treatment Relative Ranking of Model 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Treatm~t** | **SUCRA** | **PrBest** | **MeanRank** |
| **TAU** | **00.5** | **00.0** | **05.0** |
| **CBT** | **74.0** | **28.2** | **02.0** |
| **BA** | **68.5** | **31.9** | **02.3** |
| **NDST** | **31.8** | **01.8** | **03.7** |
| **EX** | **75.2** | **38.1** | **02.0** |

53 .

1. . //produce the cumulative ranking curve plots for all treatments
2. . sucra prob\*, lab(TAU CBT BA NDST EX WL)

**Treatment Relative Ranking of Model 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Treatm~t** | **SUCRA** | **PrBest** | **MeanRank** |
| **TAU** | **00.5** | **00.0** | **05.0** |
| **CBT** | **74.0** | **28.2** | **02.0** |
| **BA** | **68.5** | **31.9** | **02.3** |
| **NDST** | **31.8** | **01.8** | **03.7** |
| **EX** | **75.2** | **38.1** | **02.0** |

56 .

57 .

58 . \*\*\*9.Producing the ңomparison-adjustedҠfunnel plot\*\*\* 59 .

1. . //prepare again the data in the pairs format
2. . network convert pairs Converting augmented to pairs ...

62 .

1. . //produce the comparison-adjusted funnel plot for all comparisons of an active treatment vs. placebo
2. . netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random

|  |  |
| --- | --- |
| **Comparisons** | **in the plot:** |
| 1. **1** | **- 5** |
| 2. **1** | **- 4** |
| 3. **1** | **- 3** |
| 4. **1** | **- 2** |

65 .

66 . netfunnel \_y \_stderr \_t2 \_t1 if \_t1=="1", ylab(0 0.1 0.2 0.3) bycomparison random add(lfit \_stderr \_

* ES\_CEN)

**Comparisons in the plot:**

|  |  |
| --- | --- |
| 1. **1** | **- 5** |
| 2. **1** | **- 4** |
| 3. **1** | **- 3** |
| 4. **1** | **- 2** |

67 .

68 .

end of do-file

69 . log close

name: **<unnamed>**

log: **C:\Users\Administrator\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick**

* **from Nick\TAU NMA Output 1-3-21.smcl**

log type: **smcl**

closed on: **3 Jan 2021, 10:52:58**

**eAppendix 7. Network Meta-Analysis Results**

**Contribution Plots**



Overall NMA



Treatment as Usual NMA



Waitlist NMA

**Predictability Interval Plots**



Treatment as Usual NMA



Waitlist NMA

**eAppendix 8: Subgroup Analysis and Meta-Regression Results**

Std. Err.: **serr**

name: **<unnamed>**

log: **C:\Users\tud51922\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick\Data from Nick\Moderator**

log type: **smcl**

opened on: **15 Jan 2021, 13:20:38**

1. . do "C:\Users\tud51922\AppData\Local\Temp\STDc1c4\_000000.tmp"
2. . meta regress i.Type i.Category i.Frequency i.Intesity i.Dep\_Severity i.Duration c.Length note: 10.Type identifies no observations in the sample

note: 3.Category omitted because of collinearity note: 2.Intesity omitted because of collinearity

Effect-size label: Effect Size Effect size: **SMD**

Std. Err.: **serr**

Random-effects meta-regression Number of obs = **66**

Method: REML Residual heterogeneity:

|  |  |
| --- | --- |
| tau2 = | **.7347** |
| I2 (%) = | **92.79** |
| H2 = | **13.87** |
| R-squared (%) = | **5.33** |
| Wald chi2(**29**) = | **46.46** |
| Prob > chi2 = | **0.0211** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| \_meta\_es | Coef. | Std. Err. | z | P>|z| | [95% Conf. | Interval] |
| Type Mixed | **-1.818029** | **2.030234** | **-0.90** | **0.371** | **-5.797215** | **2.161157** |
| Resistanc.. | **-1.103979** | **1.968332** | **-0.56** | **0.575** | **-4.961838** | **2.75388** |
| Running | **.182861** | **1.987641** | **0.09** | **0.927** | **-3.712843** | **4.078565** |
| Walking | **-1.537113** | **1.393997** | **-1.10** | **0.270** | **-4.269297** | **1.195071** |
| Aerobic U.. | **.2469282** | **2.18206** | **0.11** | **0.910** | **-4.029831** | **4.523687** |
| Aquatic | **-.8250288** | **2.141731** | **-0.39** | **0.700** | **-5.022744** | **3.372687** |
| Aerobic I.. | **.4914564** | **1.959154** | **0.25** | **0.802** | **-3.348415** | **4.331328** |
| N/A | **2.461423** | **2.269318** | **1.08** | **0.278** | **-1.98636** | **6.909205** |
| Running/C~g | **0** | (empty) |  |  |  |  |
| Category mixed | **1.254566** | **1.033599** | **1.21** | **0.225** | **-.7712501** | **3.280382** |
| N/A | **0** | (omitted) |  |  |  |  |
| Frequency |  | | | | | |
| 3x wk | **-.2968926** | **.6059554** | **-0.49** | **0.624** | **-1.484543** | **.8907581** |
| 4x wk | **-.3090189** | **1.918014** | **-0.16** | **0.872** | **-4.068257** | **3.450219** |
| 5x wk | **.5789562** | **2.373434** | **0.24** | **0.807** | **-4.07289** | **5.230802** |
| 7x wk | **.6311529** | **1.856959** | **0.34** | **0.734** | **-3.00842** | **4.270726** |
| Choice | **-4.241024** | **1.56546** | **-2.71** | **0.007** | **-7.309268** | **-1.17278** |
| N/A | **-1.448956** | **1.886388** | **-0.77** | **0.442** | **-5.146208** | **2.248296** |
| Intesity Mixed | **0** | (omitted) |  |  |  |  |
| Moderate | **-1.530111** | **.8354904** | **-1.83** | **0.067** | **-3.167642** | **.1074206** |
| Vigorous | **-.9259567** | **.7905073** | **-1.17** | **0.241** | **-2.475322** | **.6234091** |
| 80% 1 RM | **-2.262885** | **1.614913** | **-1.40** | **0.161** | **-5.428056** | **.9022864** |
| N/A | **-2.434661** | **1.429045** | **-1.70** | **0.088** | **-5.235538** | **.366216** |
| Dep\_Severity Moderate+ | **.4437421** | **.8433321** | **0.53** | **0.599** | **-1.209158** | **2.096643** |
| Severe | **-.7817298** | **1.186871** | **-0.66** | **0.510** | **-3.107954** | **1.544494** |
| Duration |  |  |  |  |  |  |
| 30 mins **.4473791** | | **2.718015** | **0.16** | **0.869** | **-4.879832** | **5.77459** |
| 40 mins **.9068317** | | **1.301196** | **0.70** | **0.486** | **-1.643465** | **3.457128** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 45 mins | **1.529025** | **1.517058** | **1.01** | **0.314** | **-1.444354** | **4.502404** |
| 50 mins | **1.353134** | **1.264478** | **1.07** | **0.285** | **-1.125197** | **3.831466** |
| 55 mins | **1.7751** | **1.395428** | **1.27** | **0.203** | **-.9598887** | **4.510088** |
| 60 mins | **.5970765** | **1.317368** | **0.45** | **0.650** | **-1.984917** | **3.179071** |
| N/A | **3.38351** | **1.982154** | **1.71** | **0.088** | **-.5014405** | **7.268461** |
| Length | **.0477862** | **.063367** | **0.75** | **0.451** | **-.0764108** | **.1719832** |
| \_cons | **-.6696231** | **1.971994** | **-0.34** | **0.734** | **-4.53466** | **3.195414** |

Test of residual homogeneity: Q\_res = chi2(**36**) = **356.96** Prob > Q\_res = **0.0000**

3 .

end of do-file

4 . log close

name: **<unnamed>**

log: **C:\Users\tud51922\Dropbox\Academic Life\01 Data Analysis\NMA Analysis for Nick\Data from Nick\Moderator**

log type: **smcl**

closed on: **15 Jan 2021, 13:20:57**

**eAppendix 9. References for Included Studies for NMA**

1. Abdelbasset WK, Alqahtani BA., Elshehawy AA., Tantawy SA., Elnegamy TE., & Kamel DM.. (2019). Examining the impacts of 12 weeks of low to moderate-intensity aerobic exercise on depression status in patients with systolic congestive heart failure - A randomized controlled study. *Clinics*, *74*, e1017. Epub September 26, 2019.https://doi.org/10.6061/clinics/2019/e1017
2. Abdollahi, L., Mirghafourvand M, Kheyradin JB, Mohammadi M. (2018). The Effect of Cognitive Behavioral Therapy on Depression and Obesity in Women with Polycystic Ovarian Syndrome: A Randomized Controlled Clinical Trial*. Iran. Red. Crescent, Med. J, 20*(3).
3. Aidar FE, Jaco de Oliveira R., Matos D, et al. (2017). A randomized trial of the effects of an aquatic exercise program on depression, anxiety levels, and functional capacity in of people who suffered an ischemic stroke. *J Sport Med Phys Fit, 58*(8).
4. Beach SRH, O’Leary KD. Treating depression in the context of marital discord: Outcome and predictors of response of marital therapy versus cognitive therapy. *Behav Ther* 1992; **23**: 507-523.
5. Berger T, Hammerli K, Gubser N, Andersson G, Caspar F. Internet-Based treatment of depression: A randomized controlled trial comparing guided with unguided self-help. *Cogn Behav Ther* 2011; **40**: 251-266.
6. Bernard P, Ninot G, Bernard PL, et al. Effects of a six-month walking intervention on depression in inactive post-menopausal women: A randomized controlled trial. *Aging Ment Health* 2015; **19**: 485-492.
7. Bombardier CH, Ehde DM, Gibbons LE, et al. Telephone-based physical activity counseling for major depression in people with multiple sclerosis. *J Consult Clin Psychol* 2013; **81**: 89-99.
8. Borji M, Nourmohammadi H, Otaghi M, Salimi AH, Tarjoman A. (2017) Positive Effects of Cognitive Behavioral Therapy on Depression, Anxiety and Stress of Family Caregivers of Patients with Prostate Cancer: A Randomized Clinical Trial. *Asian Pac J Cancer Prev, 18*(12):3207-3212. doi: 10.22034/APJCP.2017.18.12.3207.
9. Bright JI, Baker KD, Neimeyer RA. Professional and paraprofessional group treatments for depression: A comparison of cognitive–behavioral and mutual support interventions. *J Consult Clin Psychol* 1999; **67**: 491-501.
10. Brown RA, Lewinsohn PM. A psychoeducational approach to the treatment of depression: comparison of group, individual, and minimal contact procedures. *J Consult Clin Psychol* 1984; **52**: 774-783.
11. Carta MG. Counseling in primary care improves depression and quality of life. *Clin Pract Epidemiol Ment Health* 2012; **8**: 152-157.
12. Chen I, Tseng YF, Chou FH, Wang SY. Effects of support group intervention in postnatally distressed women: A controlled study in Taiwan. *J Psychosom Res* 2000; **49**: 395-399.
13. Choi I, Zou J, Titov N, et al. Culturally attuned internet treatment for depression amongst Chinese Australians: A randomised controlled trial. *J Affect Disord* 2012; **136**: 459-468.
14. Collado A, Calderon M, MacPherson L., Lejuez C. The efficacy of behavioral activation treatment among depressed Spanish-speaking Latinos. *J Consult Clin Psychol* 2016; **84**: 651-657.
15. Cooper PJ, Murray L, Wilson A, Romaniuk H. Controlled trial of the short- and long-term effect of psychological treatment of post-partum depression: 1. Impact on maternal mood. *Br J Psychiatry* 2003; **182**: 412-419.
16. Cullen JM. Testing the effectiveness of behavioral activation therapy in the treatment of acute unipolar depression. 2002.
17. Dobkin RD, Truax P, Addis M, et al. Cognitive-behavioral therapy for depression in Parkinson’s disease: a randomized, controlled trial. *Am J Psychiatry* 2011; **168**: 1066-1074.
18. Dobkin RD, Mann SL, Gara MA, Interian A, Rodrigues KM, Menza M. (2020). Telephone-based cognitive behavioral therapy for depression in Parkinson disease: A randomized controlled trial. *Neurology, 94*(16). DOI: https://doi.org/10.1212/WNL.0000000000009292
19. Doering LV, McGuire A, Eastwood J, Chen B, Rebecca C. Perceived control in cardiac surgery patients. *Eur J Cardiovac Nurs* 2016; **15**: 417-424.
20. Duarte PS, Miyazaki MC, Blay SL, Sesso R. Cognitive-behavioral group therapy is an effective treatment for major depression in hemodialysis patients. *Kidney Int* 2009; **76**: 414-421.
21. Dwight-Johnson M, Aisenberg E, Golinelli D, Hong S, O’Brien M, Ludman E. Telephone-based cognitive-behavioral therapy for Latino patients living in rural areas: A randomized pilot study. *Psychiatr Serv* 2011; **62**: 936-942.
22. Embling S. The effectiveness of cognitive behavioural therapy in depression. *Nurs Stand* 2002; **17**: 33-41.
23. Fann JR, Bombardier CH, Vannoy S. et al. Telephone and In-Person Cognitive Behavioral Therapy for Major Depression after Traumatic Brain Injury: A Randomized Controlled Trial. *J Neurotrauma* 2015; **32**: 45-57.
24. Faramarzi M, Alipor A, Esmaelzadeh S, Kheirkhah F, Poladi K, Pash H. Treatment of depression and anxiety in infertile women: Cognitive behavioral therapy versus fluoxetine. *J Affect Disord* 2008; **108**: 159-164.
25. Freedland KE, Skala RM, Carney EH, et al. Treatment of depression after coronary artery bypass surgery; A randomized controlled trial. *Arch Gen Psychiatry* 2009; **66**: 387-396.
26. Freire E, Williams C, Messow CM, et al. Counselling versus low-intensity cognitive behavioural therapy for persistent sub-threshold and mild depression (CLICD): A pilot/feasibility randomised controlled trial. *BMC Psychiatry* 2015; **15**: 1-11.
27. Furukawa TA, Horikoshi M, Kawakami N, et al. Telephone cognitive-behavioral therapy for subthreshold depression and presenteeism in workplace: A randomized controlled trial. *PLoS One* 2012; published online Apr 19. DOI: 10.1371/journal.pone.0035330.
28. Gallagher D, Thompson LW. Treatment of major depressive disorder in older adult outpatients with brief psychotherapies. *Psychol Psychother T* 1982; **19**: 482.
29. Hallgren M, Kraepelien M, Ojehagen A, et al. Physical exercise and internet-based cognitive-behavioural therapy in the treatment of depression: Randomised controlled trial. *Br J Psychiatry* 2015; **207**: 227-234.
30. Ham K, Chin S, Suh YJ, Rhee M, Yu ES, Lee HJ, Kim JH, Kim SW, Koh SJ, Chung KM. (2019) Preliminary Results from a randomized controlled study for an app-Based cognitive behavioral therapy program for depression and anxiety in cancer patients. *Front Psychol, 25*(10)1592. doi: 10.3389/fpsyg.2019.01592.
31. Hamdan-Mansour AM, Puskar K, Bandak AG. Effectiveness of cognitive-behavioral therapy on depressive symptomatology, stress and coping strategies among Jordanian University students. *Issues Ment Health Nurs* 2009; **30**: 188-196.
32. Haringsma R, Engels GI, Cuijpers P, Spinhoven P. Effectiveness of the Coping with Depression (CWD) course for older adults provided by the community-based mental health care system in the Netherlands: A randomized controlled field trial. *Int Psychogeriatr* 2006; **18**: 307-325.
33. Hautzinger M, Welz S. Kognitive verhaltenstherapie bei depressionen im alter: Ergebnisse einer kontrollierten vergleichsstudie unter ambulanten bedingungen an depressionen mittleren schweregrads. *Z Gerontol Geriatr* 2004; **37**: 427-435.
34. Hayden T, Perantie DC, Nix BD, et al. Treating prepartum depression to improve infant developmental outcomes: a study of diabetes in pregnancy. *J Clin Psychol Med Settings* 2012; **19**: 285-292.
35. Hegerl U, Hautzinger M, Mergl R, et al. Effects of pharmacotherapy and psychotherapy in depressed primary-care patients: a randomized, controlled trial including a patients' choice arm. *Int J Neuropsychopharmacol* 2010; **13**: 31-44.
36. Helgadóttir B, Forsell Y, Hallgren M, Möller J, Ekblom Ö. Long-term effects of exercise at different intensity levels on depression: A randomized controlled trial. *Prev Med* 2017; **105**: 37-46.
37. Hemanny C, Carvalho C, Maia N, Reis D, Botelho AC, Bonavides D, Seixas C, de Oliveira IR. (2020) Efficacy of trial-based cognitive therapy, behavioral activation and treatment as usual in the treatment of major depressive disorder: preliminary findings from a randomized clinical trial. *CNS Spectr, 25*(4),535-544. doi: 10.1017/S1092852919001457.
38. Hess-Homeier JM. A comparison of Beck’s cognitive therapy and jogging as treatments for depression. 1981.
39. Ho CWH, Chan SC, Wong JS, Cheung WT, Chung DWS, Lau TFO. Effect of aerobic exercise training on chinese population with mild to moderate depression in Hong Kong. *Rehabil Res Pract* 2014; published online Mar 30. DOI: 10.1155/2014/627376.
40. Horrell L, Goldsmith KA, Tylee AT, et al. One-day cognitive-behavioural therapy self-confidence workshops for people with depression: Randomised controlled trial. *Br J Psychiatry* 2014; **204**: 222-233.
41. Huang TT, Liu CB, Tsai YH, Chin YF, Wong CH. Physical fitness exercise versus cognitive behavior therapy on reducing the depressive symptoms among community-dwelling elderly adults: A randomized controlled trial. *Int J Nurs Stud* 2015; **52**: 1542-1552.
42. Hummel J, Weisbrod C, Boesch L, et al. AIDE- Acute illness and depression in elderly patients. Cognitive behavioral group psychotherapy in geriatric patients with comorbid depression: A randomized, controlled trial. *J Am Med Dir Assoc* 2017; **18**: 341-349.
43. Jacobson NS, Dobson KS, Truax PA, et al. A component analysis of cognitive-behavioral treatment for depression. *J Consult Clin Psychol* 1996; **64**: 295-304.
44. Jamison C, Scogin F. The outcome of cognitive bibliotherapy with depressed adults*. J Consult Clin Psychol* 1995; **63**: 644-650.
45. Johansson O, Bjärehed J, Andersson G, Carlbring P, Lundh LG. (2019) Effectiveness of guided internet-delivered cognitive behavior therapy for depression in routine psychiatry: A randomized controlled trial*. Internet Interv, 3*(17), 100247. doi: 10.1016/j.invent.2019.100247.
46. Johansson P. (2019) Internet-guided Cognitive Behavioural Therapy to Improve Depression Patients With Cardiovascular Disease. *ClinicalTrial.gov.*
47. Kanter J, Santiago-Rivera A, Santos M, et al. A randomized hybrid efficacy and effectiveness trial of behavioral activation for Latinos with depression. *Behav Ther* 2015; **46**: 177-192.
48. Kekäläinen T, Kokko K, Sipilä S, Walker S. (2018). Effects of a 9-month resistance training intervention on quality of life, sense of coherence, and depressive symptoms in older adults: randomized controlled trial. *Qual Life Res, 27*(2):455-465. doi: 10.1007/s11136-017-1733-z.
49. Kelly JA, Murphy DA, Bahr GR, et al. Outcome of cognitive-behavioral and support group brief therapies for depressed, HIV-infected persons. *Am J Psychiatry* 1993; **150**: 1679-1686.
50. Kim JY, Lee MK, Lee DH, Kang DW, Min JH, Lee JW, et al. (2019). Effects of a 12-week home-based exercise program on quality of life, psychological health, and the level of physical activity in colorectal cancer survivors: a randomized controlled trial. *Support Care Cancer, 27*(8):2933-2940. doi: 10.1007/s00520-018-4588-0.
51. Kim YS, O'Sullivan DM, Shin SK. (2019). Can 24 weeks strength training reduce feelings of depression and increase neurotransmitter in elderly females? *Exp Gerontol, 115*:62-68. doi: 10.1016/j.exger.2018.11.009.
52. King M, Marston L, Bower P. Comparison of non-directive counselling and cognitive behaviour therapy for patients presenting in general practice with an ICD-10 depressive episode: A randomized control trial. *Psychol Med* 2014; **44**: 1835-1844.
53. Kivi M, Eriksson MCM, Hange D. Internet-based therapy for mild to moderate depression in Swedish primary care: Short term results from the PRIM-NET randomized controlled trial. *Cogn Behav Ther* 2014; **43**: 289-298.
54. Klein MH, Greist JH, Gurman AS, et al. A comparative outcome study of group psychotherapy vs.. exercise treatments for depression. *Int J Ment Health* 1984; **13**: 148-176.
55. Kogure GS, Lopes IP, Ribeiro VB, Mendes MC, Kodato S, Furtado CLM, et al. The effects of aerobic physical exercises on body image among women with polycystic ovary syndrome. *J Affect Disord.* 2020;**262**:350-358. doi: 10.1016/j.jad.2019.11.025.
56. Kruisdijk F, Hopman-Rock M, Beekman ATF, Hendriksen I. EFFORT-D: results of a randomised controlled trial testing the EFFect of running therapy on depression. *BMC Psychiatry* 2019;**19(**1):170. doi: 10.1186/s12888-019-2156-x.
57. Laidlaw K. A randomised controlled trial of cognitive behaviour therapy vs treatment as usual in the treatment of mild to moderate late life depression. *Dialogues Clin Neurosci* 2009; **11:** 217-228.
58. Lamers F, Jonkers CCM, Bosma H. A minimal psychological intervention in chronically ill elderly patients with depression: A randomized trial. *Psychother Psychosom* 2010; **79**: 217-226.
59. Landreville P, Bissonnette L. Effects of cognitive bibliotherapy for depressed older adults with a disability. *Clin Gerontol* 1997; **17**: 13-22.
60. Langoni CDS, Resende TL, Barcellos AB, Cecchele B, da Rosa JN, Knob MS, et al. The effect of group exercises on balance, mobility, and depressive symptoms in older adults with mild cognitive impairment: a randomized controlled trial. *Clin Rehabil* 2019;**33**(3):439-449. doi: 10.1177/0269215518815218.
61. Larcombe N, Wilson P. An evaluation of cognitive behavour therapy for depression in patients with multiple sclerosis. *Br J Psychiatry* 1984; **145**: 366-371.
62. Legrand FD. Effects of exercise on physical self-concept, global self-esteem, and depression in women of low socioeconomic status with elevated depressive symptoms. *J Sport Exerc Psychol* 2014; **36**: 357-365.
63. Löbner M, Pabst A, Stein J, Dorow M, Matschinger H, Luppa M, et al. Computerized cognitive behavior therapy for patients with mild to moderately severe depression in primary care: A pragmatic cluster randomized controlled trial (@ktiv). *J Affect Disord* 2018;**238**:317-326. doi: 10.1016/j.jad.2018.06.008.
64. Lowndes TA, Egan SJ, McEvoy PM. Efficacy of brief guided self-help cognitive behavioral treatment for perfectionism in reducing perinatal depression and anxiety: a randomized controlled trial. *Cogn Behav Ther.* 2019;**48**(2):106-120. doi: 10.1080/16506073.2018.1490810.
65. Martin PR, Aiello R, Gilson K, Meadows G, Milgrom J, Reece J. Cognitive behavior therapy for comorbid migraine and/or tension-type headache and major depressive disorder: An exploratory randomized controlled trial. *Behav Res Ther* 2015; **73**: 8-18.
66. Mather AS, Rodriguez C, Guthrie MF, McHarg AM, Reid IC, McMurdo MET. Effects of exercise on depressive symptoms in older adults with poorly responsive depressive disorder: Randomised controlled trial. Br J Psychiatry 2002; **180**: 411-415.
67. McCann IL, Holmes DS. Influence of aerobic exercise on depression. *J Pers Soc Psychol* 1984; **46**: 1142-1147.
68. McIndoo CC, File AA, Preddy T, Clark CG, Hopko DR. Mindfulness-based therapy and behavioral activation: A randomized controlled trial with depressed college students. *Behav Res Ther* 2016; **77**; 118-128.
69. McNeil JK, LeBlanc EM, Joyner M. The effect of exercise on depressive symptoms in the moderately depressed elderly. *Psychol Aging* 1991; **6**: 487-488.
70. Milgrom J, Holt CJ, Gemmill AW, et al. Treating postnatal depressive symptoms in primary care: A randomised controlled trial of GP management, with and without adjunctive counselling. BMC Psychiatry 2011; published online May 27. DOI: 10.1186/1471-244X-11-95.
71. Milgrom J, Danaher BG, Gemmill AW, et al. Internet cognitive behavioral therapy for women with postnatal depression: A randomized controlled trial of MumMoodBooster. *J Med Internet Res* 2016; published online Mar 7. DOI: 10.2196/jmir.4993.
72. Miranda J, Chung JY, Green BL, et al. Treating depression in predominantly low income young minority women: a randomized control trial. *JAMA* 2003; **290**: 57-65.
73. Miyamoto ST, Valim V, Carletti L, Ng WF, Perez AJ, Lendrem DW, et al. Supervised walking improves cardiorespiratory fitness, exercise tolerance, and fatigue in women with primary Sjögren's syndrome: a randomized-controlled trial. *Rheumatol Int* 2019;**39**(2):227-238. doi: 10.1007/s00296-018-4213-z.
74. Mohamadian F, Bagheri M, Hashemi MS, Komeili Sani H. The Effects of Cognitive Behavioral Therapy on Depression and Anxiety among Patients with Thalassemia: A Randomized Controlled Trial. *J Caring Sci* 2018;**7**(4):219-224. doi: 10.15171/jcs.2018.033.
75. Mohr DC, Likosky W, Bertagnolli A. Telephone-administered cognitive-behavioral therapy for the treatment of depressive symptoms in multiple sclerosis. J Consult Clin Psychol 2000; **68**: 356-361.
76. Mohr DC, Hart SL, Julian L, et al. Telephone-Administered Psychotherapy for Depression. *Arch Gen Psychiatry* 2005; **62**: 1007-1014.
77. Mota-Pereira J, Silverio J, Carvalho S, Ribeiro JC, Fonte D, Ramos J. Moderate exercise improves depression parameters in treatment-resistant patients with major depressive disorder. *J Psychiatr Res* 2011; **45**: 1005-1011.
78. Mutrie N. Exercise as a treatment for depression within a national health service. 1986.
79. Naeem F, Sarhandi I, Gul M, et al. A multicentre randomised controlled trial of a carer supervised Culturally adapted CBT (CaCBT) based self-help for depression in Pakistan. *J Affect Disord* 2014; **156**: 224-227.
80. Naik AD, Cully, JC. Behavioral Activation Therapy for Rural Veterans With Diabetes and Depression. (Unpublished Data) 2017.
81. Nakao S, Nakagawa A, Oguchi Y, Mitsuda D, Kato N, Nakagawa Y, et al. Web-Based Cognitive Behavioral Therapy Blended With Face-to-Face Sessions for Major Depression: Randomized Controlled Trial. *J Med Internet Res* 2018;**20**(9):e10743. doi: 10.2196/10743.
82. Newby J, Robins L, Wilhelm K, et al. Web-Based Cognitive Behavior Therapy for Depression in People With Diabetes Mellitus: A Randomized Controlled Trial. *J Med Internet Res* 2017; published online May 15. DOI: 10.2196/jmir.7274.
83. Ngai FW, Wong PWC, Leung KY, Chau PH, Chung KF. The effect of telephone-based cognitive-behavioral therapy on postnatal depression: A randomized controlled trial. *Psychother Psychosom* 2015; **84**: 294-303.
84. Ngai FW, Wong PC, Chung KF, Chau PH, Hui PW. Effect of couple-based cognitive behavioural intervention on prevention of postnatal depression: multisite randomised controlled trial. *BJOG.* 2020;**127**(4):500-507. doi: 10.1111/1471-0528.15862.
85. Noroozi Z, Hamidian S, Khajeddin N, et al. Improving depression, and quality of life in patients with type 2 diabetes: Using group cognitive behavior therapy. *Iran J Psychiatry* 2017; **12**: 281-286.
86. Nygren T, Brohede D, Koshnaw K, Osman SS, Johansson R, Andersson G. Internet-based treatment of depressive symptoms in a Kurdish population: A randomized controlled trial. *J Clin Psychol* 2019;**75**(6):985-998. doi: 10.1002/jclp.22753.
87. Nystrom MBT, Stenling A, Sjostrom E, et al. Behavioral activation versus physical activity via the internet: A randomized controlled trial. *J Affect Disord* 2017; **215**: 85-93.
88. O’Mahen H, Himle JA, Fedock G, Henshaw E, Flynn H. A pilot randomized controlled trial of cognitive behavioral therapy for perinatal depression adapted for women with low incomes. *Depress Anxiety* 2013; **30**: 679-687.
89. Omidi A, Mohammadkhani P, Mohammadi A, Zargar F. Comparing mindfulness based cognitive therapy and traditional cognitive behavior therapy with treatments as usual on reduction of major depressive disorder symptoms. *Iran Red Crescent Med J* 2013; **15**; 142-146.
90. Propst LR, Ostrom R, Watkins P, Dean T, Mashburn D. Comparative efficacy of religious and nonreligious cognitive behavioral-therapy for the treatment of clinical depression in religious Individuals. *J Consult Clin Psychol* 1992; **60**: 94-103.
91. Qiu J, Chen W, Gao X, et al. A randomized controlled trial of group cognitive behavioral therapy for Chinese breast cancer patients with major depression. *J Psychosom Obstet Gynaecol* 2013; **34**: 60-67.
92. Ren W, Qiu H, Yang Y, Zhu X, Zhu C, Mao G, et al. Randomized controlled trial of cognitive behavioural therapy for depressive and anxiety symptoms in Chinese women with breast cancer. *Psychiatry Res* 2019;**271**:52-59. doi: 10.1016/j.psychres.2018.11.026.
93. Rethorst CD, Landers DM, Nagoshi CT, Ross JTD. Efficacy of exercise in reducing depressive symptoms across 5-HTTLPR genotypes. *Med Sci Sports Exerc* 2010; **42**: 2141-2147.
94. Richards D, Timulak L, O;Brien E, et al. A randomized controlled trial of an internet-delivered treatment: Its potential as a low-intensity community intervention for adults with symptoms of depression. *Behav Res Ther* 2015; **75**: 20-31.
95. Richards DA, Ekers D, McMillan D, et al. Cost and Outcome of Behavioural Activation versus Cognitive Behavioural Therapy for Depression (COBRA): a randomised, controlled, non-inferiority trial. *Lancet* 2016; **27**: 871-880.
96. Robledo-Colonia AF, Sandoval-Restrepo N, Mosquera-Valderrama YF, Escobar-Hurtado C, Ramírez-Vélez R. Aerobic exercise training during pregnancy reduces depressive symptoms in nulliparous women: A randomised trial. *J Physiother* 2012; **58**: 9-15
97. Ross M, Scott M. An evaluation of the effectiveness of individual and group cognitive therapy in the treatment of depressed patients in an inner city health centre. *J R Coll Gen Pract* 1985; **35**; 239-242.
98. Roy A, Govindan R, Muralidharan K. The impact of an add-on video assisted structured aerobic exercise module on mood and somatic symptoms among women with depressive disorders: Study from a tertiary care centre in India. *Asian J Psychiatr* 2018; **32**: 118-122.
99. Ruwaard J, Schrieken B, Schrijver M, et al. Standardized web-based cognitive behavioural therapy of mild to moderate depression: A randomized controlled trial with a long-term follow-up. *Cogn Behv Ther* 2009; **38**: 206-221.
100. Sadeghi K, Ahmadi SM, Ahmadi SM, et al. A comparative study of the efficacy of cognitive group therapy and aerobic exercise in the treatment of depression among the students. *Glob J Health Sci* 2016; published online Oct 1. DOI: 10.5539/gjhs.v8n10p1.
101. Savard J, Simard S, Giguere I, et al. Randomized clinical trial on cognitive therapy for depression in women with metastatic breast cancer: Psychological and immunological effects. *Palliat Support Care* 2006; **4**: 219-237.
102. Schuch FB, Vasconcelos-Moreno MP, Borowsky C, Fleck MP. Exercise and severe depression: Preliminary results of an add-on study. *J Affect Disord* 2011; Published online May 25. DOI: 10.1016/j.jad.2011.04.030.
103. Schure MB, Lindow JC, Greist JH, Nakonezny PA, Bailey SJ, Bryan WL, et al. Use of a Fully Automated Internet-Based Cognitive Behavior Therapy Intervention in a Community Population of Adults With Depression Symptoms: Randomized Controlled Trial. *J Med Internet Res*. 2019;**21**(11):e14754. doi: 10.2196/14754.
104. Scott C, Tacchi MJ, Jones R, Scott J. Acute and one‐year outcome of a randomised controlled trial of brief cognitive therapy for major depressive disorder in primary care. *Br J Psychiatry* 1997; **171**: 131-134.
105. Selmi PM, Klein MH, Greist JH, Sorrell SP, Erdman HP. Computer administered cognitive‐behavioural therapy for depression. *Am J Psychiatry* 1990; **147**: 51-56.
106. Serfaty M, King M, Nazareth I, Moorey S, Aspden T, Mannix K, et al. Effectiveness of cognitive-behavioural therapy for depression in advanced cancer: CanTalk randomised controlled trial. *Br J Psychiatry* 2020;**216**(4):213-221. doi: 10.1192/bjp.2019.207.
107. Sims J, Hill K, Davidson S, Gunn J, Huang N. Exploring the feasibility of a community-based strength training program for older people with depressive symptoms and its impact on depressive symptoms. *BMC Geriatr* 2006; Published online Nov 30. DOI: 10.1186/1471-2318-6-18.
108. Sims J, Galea M, Taylor N, et al. Regenerate: Assessing the feasibility of a strength-training program to enhance the physical and mental health of chronic post stroke patients with depression. *Int J Geriatr Psychiatry* 2009; **24**: 76-83.
109. Singh NA, Clements KM, Fiatarone MA. A randomized controlled trial of progressive resistance training in depressed elders. *J Gerontol A Sci Med Sci* 1997; **52**: 27-35.
110. Singh NA, Clement KM, Singh M. The efficacy of exercise as a long-term antidepressant in elderly subjects: a randomized, controlled trial. *J Gerontol A Sci Med Sci* 2001; **56**: 497-504.
111. Singh NA, Stavrinos TA, Scarbek Y, Galambos G, Liber C, Singh MAF. A randomized controlled trial of high versus low intensity weight training versus general practitioner care for clinical depression in older adults. *J Gerontol A Biol Sci Med Sci* 2005; **60**: 768-776.
112. Smith J, Newby JM, Burston N, et al. Help from home for depression: A randomised controlled trial comparing internet-delivered cognitive behaviour therapy with bibliotherapy for depression. *Internet Interv* 2017; **9**: 25-37.
113. Soucy I, Provencher M, Fortier M, McFadden T. Efficacy of guided self-help behavioural activation and physical activity for depression: a randomized controlled trial. *Cogn Behav Ther* 2017; **46**: 493-506.
114. Spek V, Nyklicek I, Smits N, et al. Internet-based cognitive behavioural therapy for subthreshold depression in people over 50 years old: A randomized controlled clinical trial. *Psychol Med* 2007; **37**: 1797- 1806.
115. Taylor FG, Marshall WL, Taylor FG. Experimental analysis of a cognitive-behavioral therapy for depression. *Cognit Ther Res* 1977; **1**: 59-72.
116. Thomas SA, Drummond AE, Lincoln NB, Palmer RL, das Nair R, Latimer NR, et al. Behavioural activation therapy for post-stroke depression: the BEADS feasibility RCT. *Health Technol Assess* 2019; **23**(47):1-176. doi: 10.3310/hta23470.
117. Thapinta D, Skulphan S, Kittrattanapaiboon P. Brief cognitive behavioral therapy for depression among patients with alcohol dependence in Thailand. *Issues Ment Health Nurs* 2014; **35**: 689-693.
118. Titov N, Andrews G, Davies M, McIntyre K, Robinson E, Solley K. Internet treatment for depression: A randomized controlled trial comparing clinician vs. technician assistance. *PLoS One* 2010; Published online Jun 8. DOI: 10.1371/journal.pone.0010939.
119. Tollár J, Nagy F, Hortobágyi T. Vastly Different Exercise Programs Similarly Improve Parkinsonian Symptoms: A Randomized Clinical Trial. *Gerontology.* 2019;**65**(2):120-127. doi: 10.1159/000493127.
120. Tong P, Bu P, Yang Y, Dong L, Sun T, Shi Y. Group cognitive behavioural therapy can reduce stigma and improve treatment compliance in major depressive disorder patients. *Early Interv Psychiatry* 2020;**14**(2):172-178. doi: 10.1111/eip.12841.
121. Tulbure BT, Andersson G, Salagean N, Pearce M, Kowning HG. Religious versus conventional internet-based cognitive behavioral therapy for depression. *J Relig Health* 2018; **57**: 1634-1648.
122. Valsaraj BP, Bhat SM, Latha KS. Cognitive Behaviour Therapy for Anxiety and Depression among People Undergoing Haemodialysis: A Randomized Control Trial. *J Clin Diagn Res* 2016; Published online Aug 1. DOI: 10.7860/JCDR/2016/18959.8383
123. Vázquez FL, Torres Á, Otero P, Blanco V, Díaz O, & Estévez LE. Analysis of the components of a cognitive-behavioral intervention administered via conference call for preventing depression among non-professional caregivers: A pilot study. *Aging Ment Health* 2017; **21**: 938-346.
124. Vernmark K, Lenndin J, Bjarehed J, et al. Internet administered guided self-help versus individualized e-mail therapy: A randomized trial of two versions of CBT for major depression. *Behav Res Ther* 2010; **48**: 368-376.
125. Ward E, King M, Lloyd M, et al. Randomised controlled trial of non-directive counselling, cognitive-behaviour therapy, and usual general practitioner care for patients with depression. I: Clinical effectiveness. *BMJ* 2000; **321**: 1383-1388.
126. Wiersma JE, Van Schaik DJF, Hoogendorn AW, et al. The effectiveness of the cognitive behavioral analysis system of psychotherapy for chronic depression: A randomized controlled trial. *Psychother Psychosom* 2014; **83**: 263-269.
127. Williams CL, Tappen RM. Exercise training for depressed older adults with Alzheimer’s disease. *Aging Ment Health* 2008; **12**: 72-80.
128. Williams C, Wilson P, Morrison J. Guided self-help cognitive behavioural therapy for depression in primary care: A randomised controlled trial. *PLoS One* 2013; Published online Jan 11. DOI: 10.1371/journal.pone.0052735
129. Wilson PH, Goldin JC, Charbonneau-Powis M. Comparative efficacy of behavioral and cognitive treatments of depression. *Cognit Ther Res* 1983; **7**: 11-124.
130. Wong DF. Cognitive and health-related outcomes of group cognitive behavioural treatment for people with depressive symptoms in Hong Kong: randomized wait-list control study. *Aust N Z J Psychiatry* 2008; **42**: 702-711.
131. Wright JH, Wright AS, Albano AM, et al. Computer-assisted cognitive therapy for depression: Maintaining efficacy while reducing therapist time. *Am J Psychiatry* 2005; **162**: 1158-1164.
132. Xie J, He G, Ding S, Pan C, Zhang X, Zhou J, Iennaco JD. A randomized study on the effect of modified behavioral activation treatment for depressive symptoms in rural left-behind elderly. *Psychother Res*. 2019;**29**(3):372-382. doi: 10.1080/10503307.2017.1364444.
133. Zu S, Xiang YT, Liu J, et al. A comparison of cognitive-behavioral therapy, antidepressants, their combination and standard treatment for Chinese patients with moderate-severe major depressive disorders. *J Affect Disord* 2014; Published online Oct 4. DOI: 10.1016/j.jad.2013.09.022