# Appendix 1

## Search strategy for the academic databases

## MEDLINE

Host: PubMed

|  |
| --- |
| ((((((((((((((("Stress Disorders, Post-Traumatic"[Mesh]) OR (((PTSD OR “acute stress disorder\*” OR “combat disorder\*” OR “war neuros\*”)))) OR ((((acute OR traumatic) AND stress\*) AND (expos\* OR psyc\*)))) OR (((posttrauma\* or post-trauma\* or “post trauma\*”) AND (stress\* or disorder\* or psych\* or symptom?)))) OR ((“traumatised victim” OR “traumatized victim” OR “traumatised victim” OR “traumatised survivor” OR “traumatized survivor”))) OR ((trauma\* AND (event or memor\* or flashback\* or nightmare)))) OR ((((trauma\* or posttrauma\* or post-trauma\* or victim\* or survivor?) AND (exposure AND (therap\* or psychotherap\* or training or counsel\*)))))) OR crisis intervention[MeSH Terms]) OR (((“critical incident” AND (stress or debrief\* or de-brief))))) OR ((debrief\*[Title] OR de-brief\*[Title]))) OR (("crisis intervention" or CISD))) OR ((((stress or group\* or psychological or crisis) AND (debrief\* or de-brief\*))))) OR (((trauma\* AND (event or memor\* or flashback\* or nightmare))))) OR ((EMDR or "eye movement desensitisation and reprocessing" or "eye movement desensitization and reprocessing")))) AND ((((((“randomized controlled trial”[Publication Type]) OR "controlled clinical trial"[Publication Type]) OR ((randomized[Title/Abstract] OR randomised[Title/Abstract]))) OR placebo[Title/Abstract]) OR ((Randomly or random))) OR trial[Title/Abstract]) |

## Embase

|  |  |
| --- | --- |
| 1 | ('posttraumatic stress disorder'/exp OR 'psychotrauma'/exp OR 'acute stress disorder'/exp) |
| 2 | (PTSD OR “acute stress disorder\*” OR “combat disorder\*” OR “war neuros\*”):ti,ab,kw |
| 3 | ((acute OR traumatic) AND stress\*) AND (expos\* OR psyc\*):ti,ab,kw |
| 4 | ((posttrauma\* or post-trauma\* or “post trauma\*”) AND (stress\* or disorder\* or psych\* or symptom?)) |
| 5 | “traumatised victim” OR “traumatized victim” OR “traumatised victim” OR “traumatised survivor” OR “traumatized survivor” |
| 6 | trauma\* AND (event? or memor\* or flashback\* or nightmare?) |
| 7 | EMDR or “eye movement desensiti#ation and reprocessing” |
| 8 | (trauma\*:ti,ab,kw OR posttrauma\*:ti,ab,kw OR 'post trauma\*':ti,ab,kw OR victim\*:ti,ab,kw OR survivor?:ti,ab,kw) AND exposure:ti,ab,kw AND (therap\*:ti,ab,kw OR psychotherap\*:ti,ab,kw OR training:ti,ab,kw OR counsel\*:ti,ab,kw) |
| 9 | (“critical incident” AND (stress or debrief\* or de-brief)):ti,ab,kw |
| 10 | (debriefing or de-briefing):ti,ab,kw |
| 11 | (“crisis intervention?” OR CISD):ti,ab,kw |
| 12 | (stress:ti,ab,kw OR group?:ti,ab,kw OR psychological:ti,ab,kw OR crisis:ti,ab,kw) AND (debrief\*:ti,ab,kw OR 'de brief\*':ti,ab,kw) |
| 13 | trauma\* AND (event? OR memor\* OR flashback\* OR nightmare?):ti,ab,kw |
| 14 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 |
| 15 | 'crossover procedure':de OR 'double-blind procedure':de OR 'randomized controlled trial':de OR 'single-blind procedure':de OR (random\* OR factorial\* OR crossover\* OR cross NEXT/1 over\* OR placebo\* OR doubl\* NEAR/1 blind\* OR singl\* NEAR/1 blind\* OR assign\* OR allocat\* OR volunteer\*):de,ab,ti |
| 16 | #14 AND #15 |

## CENTRAL (trials)

Host: Cochrane library

|  |  |
| --- | --- |
| 1 | MeSH descriptor: [Stress Disorders, Post-Traumatic] this term only |
| 2 | MeSH descriptor: [Crisis Intervention] this term only |
| 3 | (PTSD or ((posttrauma\* or post-trauma\* or post trauma\*) near/3 (stress\* or disorder\* or psych\* or symptom\*)) or acute stress disorder\* or combat disorder\* or war neuros\*) |
| 4 | (((acute or traumatic) near/1 stress\*) and (expos\* or psyc\*)) |
| 5 | (traumatised near/1 (victim\* or survivor\*)) |
| 6 | (traumatized near/1 (victim\* or survivor\*)) |
| 7 | (trauma\* near/2 (event\* or memor\* or flashback\* or nightmare\*)) |
| 8 | ((trauma\* or posttrauma\* or post-trauma\* or victim\* or survivor\*) and (exposure near/3 (therap\* or psychotherap\* or training or counsel\*))) |
| 9 | (critical incident near/1 (stress or debrief\* or de-brief\*)) |
| 10 | (debriefing or de-briefing) |
| 11 | (“crisis intervention\*” or CISD) |
| 12 | ((stress or group\* or psychological or crisis) near/3 (debrief\* or de-brief\*)) |
| 13 | (trauma\* near/2 (event\* or memor\* or flashback\* or nightmare\*)) |
| 14 | (EMDR or “eye movement desensitization and reprocessing”) |
| 15 | (EMDR or “eye movement desensitisation and reprocessing”) |
| 16 | (#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15) |

## PsycINFO

Host: Ebscohost

|  |
| --- |
| ( ( (DE "Posttraumatic Stress Disorder" OR DE "Complex PTSD" OR DE "DESNOS" OR DE "Acute Stress Disorder" OR DE "Combat Experience" OR DE "Debriefing (Psychological)" OR DE "Emotional Trauma" OR DE "Post-Traumatic Stress" OR DE "Stress Reactions" OR DE "Compassion Fatigue" OR DE "Traumatic Neurosis") OR (DE "Disasters" OR DE "Natural Disasters") ) OR TX ( (PTSD or ((posttrauma\* or post-trauma\* or post trauma\*) adj3 (stress\* or disorder\* or psych\* or symptom?)) or acute stress disorder\* or combat disorder\* or war neuros\*) ) OR TX ( (((acute or traumatic) adj stress\*) and (expos\* or psyc\*)) ) OR TX ( (traumati#ed adj (victim? or survivor?)) ) OR ( (trauma\* adj2 (event? or memor\* or flashback\* or nightmare?)) ) OR ( (EMDR or (eye movement desensiti#ation and reprocessing)) ) OR ( ((trauma\* or posttrauma\* or post-trauma\* or victim\* or survivor?) and (exposure adj3 (therap\* or psychotherap\* or training or counsel\*))) ) OR DE "crisis intervention" OR ( (critical incident adj (stress or debrief\* or de-brief\*)) ) OR ( (debriefing or de-briefing) or (crisis intervention? or CISD) ) OR ( ((stress or group? or psychological or crisis) adj3 (debrief\* or de-brief\*)) ) OR ( (trauma\* adj2 (event? or memor\* or flashback\* or nightmare?)) ) ) AND ( "clinical trials" OR ( (randomi#ed or randomi#ation or randomi#ing) ) OR ( (RCT or at random or (random\* adj3 (assign\* or allocat\* or control\* or crossover or cross-over or design\* or divide\* or division or number))) ) OR ( (control\* and (trial or study or group) and (placebo or waitlist\* or wait\* list\* or ((treatment or care) adj2 usual))) ) OR ( ((single or double or triple or treble) adj2 (blind\* or mask\* or dummy)) ) OR TI trial OR placebo OR "treatment outcome" OR "treatment effectiveness evaluation" OR "mental health program evaluation" ) |

## PTSDpubs Database

Host:Proquest

|  |  |
| --- | --- |
| 1 | ti((posttrauma\* near/4 (stress\* or disorder\* or psych\* or symptom\*))) OR ab((posttrauma\* near/4 (stress\* or disorder\* or psych\* or symptom\*))) |
| 2 | ti((post-trauma\* near/4 (stress\* or disorder\* or psych\* or symptom\*))) OR ab((post-trauma\* near/4 (stress\* or disorder\* or psych\* or symptom\*))) |
| 3 | ti((post trauma\* near/4 (stress\* or disorder\* or psych\* or symptom\*))) OR ab((post trauma\* near/4 (stress\* or disorder\* or psych\* or symptom\*))) |
| 4 | ti((PTSD or acute stress disorder\* or combat disorder\* or war neuros\*)) OR ab((PTSD or acute stress disorder\* or combat disorder\* or war neuros\*)) |
| 5 | ti((((acute or traumatic) near/2 stress\*) and (expos\* or psyc\*))) OR ab((((acute or traumatic) near/2 stress\*) and (expos\* or psyc\*))) |
| 6 | ti((traumatised near/2 (victim\* or survivor\*)) ) OR ab((traumatised near/2 (victim\* or survivor\*)) ) |
| 7 | ti((trauma\* near/3 (event\* or memor\* or flashback\* or nightmare\*)) ) OR ab((trauma\* near/3 (event\* or memor\* or flashback\* or nightmare\*)) ) |
| 8 | ti(((trauma\* or posttrauma\* or post-trauma\* or victim\* or survivor\*) and (exposure near/4 (therap\* or psychotherap\* or training or counsel\*))) ) OR ab(((trauma\* or posttrauma\* or post-trauma\* or victim\* or survivor\*) and (exposure near/4 (therap\* or psychotherap\* or training or counsel\*))) ) |
| 9 | ti((critical incident near/2 (stress or debrief\* or de-brief\*))) OR ab((critical incident near/2 (stress or debrief\* or de-brief\*))) |
| 10 | ti((debriefing or de-briefing)) OR ab((debriefing or de-briefing)) |
| 11 | ti((crisis intervention\* or CISD)) OR ab((crisis intervention\* or CISD)) |
| 12 | ti(((stress or group\* or psychological or crisis) near/4 (debrief\* or de-brief\*)) ) OR ab(((stress or group\* or psychological or crisis) near/4 (debrief\* or de-brief\*)) ) |
| 13 | ti((trauma\* near/3 (event\* or memor\* or flashback\* or nightmare\*)) ) OR ab((trauma\* near/3 (event\* or memor\* or flashback\* or nightmare\*)) ) |
| 14 | ti((EMDR or (eye movement desensitisation and reprocessing))) OR ab((EMDR or (eye movement desensitisation and reprocessing))) |
| 15 | ti((EMDR or (eye movement desensitiZation and reprocessing))) OR ab((EMDR or (eye movement desensitiZation and reprocessing))) |
| 16 | (s1 or s2 or s3 or s4 or s5 or s6 or s7 or s8 or s9 or s10 or s11 or s12 or s13 or s14 or s15) |
| 17 | MAINSUBJECT.EXACT("Randomized Clinical Trial") |
| 18 | ab((randomized or randomised or placebo or randomly)) |
| 19 | ti(trial) |
| 20 | (S17 or S18 or S19) |
| 21 | S16 and s20 |

# Appendix 2

## Preferred Reporting Items for Systematic Review and Meta-analyses (PRISMA) Individual Patient Data (IPD) Study Selection Process

**Identification of studies**

1st update

Duplicate records removed (n = 1564 )

2nd update

Duplicate records removed (n =3654 )

Records identified from\*:

CU (n = 106 )

1st update (n = 4848)

2nd update (n= 10174)

**Identification**

Reports not retrieved

1st update (n =3074)

2nd update (n=6159)

Reports sought for retrieval

1st update (n =3284) tittle abstract

2nd update (n=6520) tittle abstract

Reports excluded 1st update

duplicates (n =24 )

secondary analysis (n = 51)

not psychotherapy (n =25 )

not RCT (n = 22)

not monotherapy (n = 17)

other (n = 49)

pharmacotherapy (n= 4)

Reports excluded 2nd update

Already included (n = 7)

duplicates (n 39)

secondary analysis (n = 81)

not RCT (n = 79)

not monotherapy (n = 11)

pharmacotherapy (n= 3)

not all participants PTSD (n = 64)

other (n=69)

**Screening**

Reports assessed for eligibility

1st update (n =210) full text

2nd update (n=361) full text

Studies included in review (n=132)

CU (n =106)

1st update (n =16)

2nd update (n=8)

past reviews/corresponding authors (n = 2)

Not EMDR vs other psychological treatment (n=125)

**Included**

Studies included in the review (n=15)

# Appendix 3

## Summary of Study Characteristics for the unavailable studies

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| study | conditions | CGspecific | CG TF | population | country | N sess | sess length | post(wk) |
| BoterhovenDe Haan2020 | 1. EMDR2. CBT-TF | CBT-TF | TF | general population | AustraliaGermany Netherlands | 12 | 90 | 6 |
| Carlson2016 | 1. EMDR2. RT | RT | NTF | military | USA | 12 | 60-75 | 6 |
| Power2002 | 1. EMDR2. RT | CBT-TF | TF | general population | UK | 10 | 90 | 10 |
| Rothbaum2005 | 1. EMDR2. CBT-TF | CBT-TF (PE) | TF | general population | USA | 9 | 90 | 5 |
| Taylor2003 | 1. EMDR2. EFT | CBT-TF (PE) | TF | general population | USA | 8 | 90 | 4 |
| Ter Heide2016 | 1. EMDR2. CBT-TF | stabilisation | NTF | refugees | Netherlands | 9 | 90 | 11 |
| Vaughan1994 | 1. EMDR2. CBT-TF | CBT-TF | TF | general population | Australia | 4 | 90 | 2-3 |

# Appendix 4

## Summary of Study Characteristics for the available studies

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| study | conditions | CG  specific | CG TF | population | country | N sess | Sess length | post  (wk) |
| Ahmadi2015 | 1. EMDR  2. REMD | REMD | TF | military | Iran | NA | 90 | NA |
| Capezzani2013 | 1. EMDR  2. CBT-TF | CBT-TF | TF | medical patient | Italy | 8 |  | 8 |
| Carletto2016 | 1. EMDR  2. RT | RT | NTF | medical patient | Italy | 10 | 60 | 15 |
| Devilly1999 | 1. EMDR  2. CBT-TF | CBT-TF | TF | general population | Australia | 8 |  | 9 |
| Karatzias2011 | 1. EMDR  2. EFT | EFT | TF | general population | Scotland | 8 | 60 | 9 |
| Laugharne2016 | 1. EMDR  2. CBT-TF | CBT-TF (PE) | TF | general population | Australia | 12 |  | 6 |
| Nijdam2012 | 1. EMDR  2. CBT-TF | CBT-TF (BEP) | TF | general population | Netherlands | 15 | 60 | 16 |
| Lee2002 | 1. EMDR  2. CBT-TF | CBT-TF | TF | general population | Australia | 7 | 90 | 7 |

|  |  |
| --- | --- |
|  | N (%) |
| Age mean(sd) | 38.61 (11.90) |
| Gender |  |
| male | 141 (40.87) |
| female | 204 (59.13) |
| Relationship status |  |
| single | 101 (41.22) |
| married / cohabitating | 125 (51.02) |
| divorced / widowed / separated | 19 (7.76) |
| Highest level of education |  |
| Primary school | 12 (5.85) |
| Middle school | 44 (21.46) |
| High school | 40 (19.51) |
| Tertiary | 109 (53.17) |
| Tertiary education |  |
| no | 96 (46.83) |
| yes | 109 (53.17) |
| Comorbid diagnosis at baseline |  |
| no | 133 (53.63) |
| yes | 115 (46.37) |
| Trauma type |  |
| accident/disaster | 32 (10.60) |
| assault: non sexual | 26 (8.61) |
| assault: sexual | 32 (10.60) |
| military | 25 (8.28) |
| death someone close | 30 (9.93) |
| injury someone close | 7 (2.32) |
| witness violence other | 30 (9.93) |
| stalking/harassment | 25 (8.28) |
| medical-related | 85 (28.15) |
| loved one held hostage/kidnapped | 5 (1.66) |
| mental abuse | 5 (1.66) |
| Psychotropic medication |  |
| no | 133 (58.33) |
| yes | 95 (41.67) |
| Chronic PTSD at baseline |  |
| no | 11 (4.04) |
| yes | 261 (95.96) |
| Dropout |  |
| no | 189 (66.78) |
| yes | 94 (33.22) |

# Appendix 5

## Summary of participant characteristics

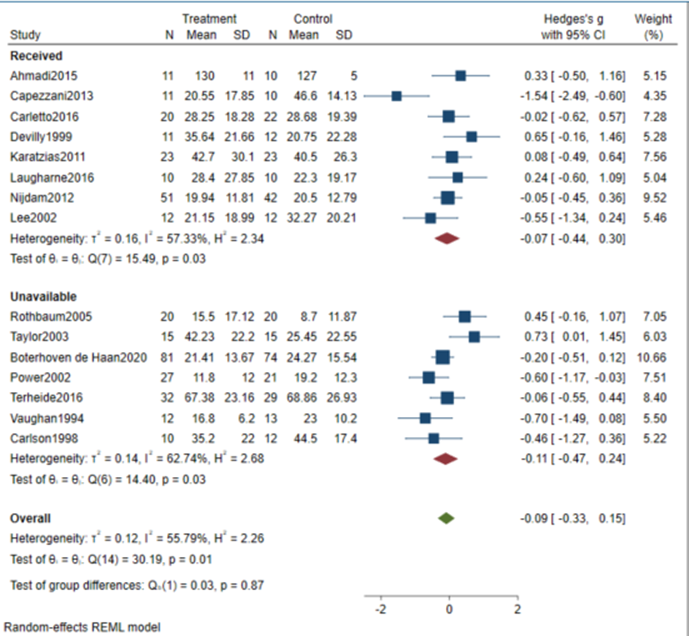
# Appendix 6

## Summary of Risk of Bias Assessment

|  |  |  |  |
| --- | --- | --- | --- |
| Study | Randomisation  process  (D1) | Deviations from intended intervention (D2) | Measurement of the outcome (D4) |
| Ahmadi2015 | Some concerns | low | Some concerns |
| Capezzani2013 | Low | Some concerns | Low |
| Carletto2016 | Low | Low | Low |
| Devilly1999 | Some concerns | Low | Some concerns |
| Karatzias2011 | Low | Low | Low |
| Laugharne2016 | Low | Low | Low |
| Nijdam2012 | Low | Low | Low |
| Lee2002 | Low | Low | Some concerns |

# Appendix 7

## Forrest Plot of Study-level Meta-Analysis



# Appendix 8

# Funnel Plot Showing Publication Bias: Results of Traditional Meta-analysis

Chart, scatter chart

Description automatically generated

# Appendix 9

## Mixed-Effects Model Outcomes on PTSD Symptom Severity at post-test for 1-Stage Individual Patient Data

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Complete Cases Analysisa | | | Full Sample | | |
| Variable | No. of Observations  (No. of Studies) | Mean (SE) βb | 2-Tailed  P Value | No. of Observations  (No. of Studies) | Mean (SE) βb | 2-Tailed  P Value |
| Main effects of PTSD severity |  |  |  |  |  |  |
| baseline severity | 270 (8) | 0.43 (0.06) | .000 | 339 (8) | 0.43 (0.07) | .000 |
| treatment group |  | - 0.24 (0.19) | .210 |  | -0.20 (0.16) | .217 |
| Gender |  |  |  |  |  |  |
| baseline severity | 270 (8) | 0.43 (0.07) | .000 | 339 (8) | 0.43 (0.07) | .000 |
| treatment group |  | - 0.15 (0.22) | .495 |  | -0.13 (0.20) | .502 |
| gender × treatment group |  | - 0. 19 (0.23) | .421 |  | -0.16 (0.23) | .503 |
| Age |  |  |  |  |  |  |
| baseline severity | 249 (7) | 0.41 (0.07) | .000 | 318 (7) | 0.42 (0.07) | .000 |
| treatment group |  | - 0.40 (0.43) | .357 |  | -0.26 (0.41) | -.537 |
| age × treatment group |  | 0.00 (0.01) | .625 |  | 0.00 (0.01) | .827 |
| Relationship status |  |  |  |  |  |  |
| baseline severity | 178 (4) | 0.38 (0.08) | .000 | 244 (4) | 0.41 (0.08) | .000 |
| treatment group |  | -0.57 (0.22) | .011 |  | -0.42 (0.22) | .064 |
| relationship status x treatment group |  |  |  |  |  |  |
| married / cohabitating vs single |  | 0.48 (0.29) | .098 |  | 0.33 (0.27) | 0.228 |
| divorced / widowed / separated / single vs single |  | 0.57 (0.73) | .440 |  | 0.41 (0.67) | .545 |
| Partner vs no partner |  |  |  |  |  |  |
| baseline severity | 178 (4) | 0.39 (0.08) | .000 | 244 (4) | 0.41 (0.08) | .000 |
| treatment group |  | -0.11 (0.21) | .593 |  | -0.09 (0.18) | .644 |
| partnership status x treatment group |  | -0.48 (0.28) | .081 |  | -0.33 (0.27) | .221 |
| Marital status |  |  |  |  |  |  |
| baseline severity | 95 (3) | 0.42 (0.13) | .001 | 146 (3) | 0.43 (0.12) | .001 |
| treatment group |  | - 0.77 (0.30) | .011 |  | -0.47 (0.26) | .071 |
| marital status x treatment group |  | 0.72 (0.47) | .123 |  | 0.44 (0.44) | .315 |
| Tertiary education |  |  |  |  |  |  |
| baseline severity | 140 (3) | 0.37 (0.10) | .000 | 204 (3) | 0.41 (0.09) | .000 |
| treatment group |  | -0.52 (0.31) | .091 |  | -0.33 (0.25) | .193 |
| tertiary education x treatment group |  | 0.27 (0.34) | .425 |  | 0.13 (0.32) | .689 |
| Employment status |  |  |  |  |  |  |
| baseline severity | 91 (3) | 0.39 (0.10) | .000 | 104 (3) | 0.41 (0.13) | .002 |
| treatment group |  | -0.64 (0.26) | .015 |  | -0.53 (0.26) | .039 |
| employment status x treatment group |  |  |  |  |  |  |
| unemployed vs employed |  | 0.80 (0.34) | .019\* |  | 0.69 (0.39) | .077 |
| student vs employed |  | -0.11 (0.77) | .885 |  | -0.14 (0.83) | .862 |
| retired vs employed |  | -0.74 (0.66) | 0.266 |  | -0.73 (0.72) | 0.311 |
| Medication use |  |  |  |  |  |  |
| baseline severity | 161 (4) | 0.39 (0.09) | .000 | 227 (4) | 0.41 (0.09) | .000 |
| treatment group |  | -0.63 (0.21) | .003 |  | -0.51 (0.20) | .011 |
| medication use x treatment group |  | 0.52 (0.30) | .084 |  | 0.46  (0.29) | .109 |
| Above-threshold depression symptoms |  |  |  |  |  |  |
| baseline severity | 229 (6) | 0.42 (0.07) | .000 | 298 (6) | 0.42 (0.08) | .000 |
| treatment group |  | -0.08 (0.32) | .790 |  | -0.10 (0.27) | .703 |
| depression symptoms x treatment group |  | -0.24 (0.26) | .363 |  | -0.14 (0.25) | .579 |
| Above threshold anxiety |  |  |  |  |  |  |
| baseline severity | 205 (5) | 0.41 (0.08) | .000 | 272 (5) | 0.40 (0.08) | .000 |
| treatment group |  | 0.09 (0.42) | .829 |  | -0.03 (0.37) | .943 |
| anxiety symptoms x treatment group |  | -0.38 (0.33) | .244 |  | -0.25 (0.32) | .433 |
| Comorbid psychiatric disorder |  |  |  |  |  |  |
| baseline severity | 181 (4) | 0.39 (0.08) | .000 | 247 (4) | 0.41 (0.08) | .000 |
| treatment group |  | -0.37 (0.22) | .101 |  | -0.29 (0.19) | .132 |
| Comorbid disorder x treatment group |  | -0.02 (0.36) | .956 |  | 0.01 (0.30) | .982 |

# Appendix 10

## Mixed-Effects Model Outcomes on Treatment Response at post-test for 1-Stage Individual Patient Data

|  |  |  |  |
| --- | --- | --- | --- |
|  | Treatment response | | |
| Variable | No. of Obs  (No. of trials)) | Mean (SE) βb | 2-Tailed  P Value |
| Main effects for treatment group | 270 (8) | 0.86 (0.45) | .057 |
| Gender |  |  |  |
| treatment group | 270 (8) | 0.17 (0.12) | 0.163 |
| gender × treatment group |  | 0.01 (0.12) | 0.962 |
| Age |  |  |  |
| treatment group | 249 (7) | 0.00 (0.22) | .997 |
| age × treatment group |  | 0.00 (0.00) | .431 |
| Relationship status |  |  |  |
| treatment group | 178 (4) | 0.23 (0.12) | .049 |
| relationship status x treatment group |  |  |  |
| married / cohabitating vs single |  | -0.17 (0.15) | .253 |
| divorced / widowed / separated vs single |  | -0.02 (0.38) | .954 |
| Partner vs no partner |  |  |  |
| treatment group | 178 (4) | 0.06 (0.10) | .505 |
| partner status x treatment group |  | 0.19 (0.14) | .180 |
| Marital status |  |  |  |
| treatment group | 95 (3) | 0.31 (0.13) | .022 |
| marital status x treatment group |  | -0.26 (0.21) | .223 |
| Tertiary education |  |  |  |
| treatment group | 140 (3) | 0.20 (0.14) | .159 |
| tertiary education x treatment group |  | -0.05 (0.16) | .733 |
| Employment status |  |  |  |
| treatment group | 91 (3) | 0.47 (0.13) | .000 |
| employment status x treatment group |  |  |  |
| unemployed vs employed |  | -0.63 (0.22) | .005\* |
| student vs employed |  | 0.03 (0.52) | .950 |
| retired vs employed |  | -0.21 (0.44) | 0.627 |
|  |  |  |  |
| Medication use |  |  |  |
| treatment group | 161 (4) | 0.33 (0.14) | .014 |
| medication use x treatment group |  | -0.14 (0.15) | .345 |
| Above-threshold depression symptoms |  |  |  |
| treatment group | 229 (6) | 0.12 (0.17) | .475 |
| depression symptoms x treatment group |  | 0.04 (0.14) | .747 |
| Above-threshold anxiety symptoms |  |  |  |
| treatment group | 205 (5) | 0.05 (0.23) | .843 |
| anxiety symptoms x treatment group |  | 0.12 (0.17) | .467 |
| Comorbid psychiatric disorder |  |  |  |
| treatment group | 181 (4) | 0.22 (0.09) | .020 |
| comorbid disorder x treatment group |  | -0.11 (0.14) | .452 |

# Appendix 11

## Mixed-Effects Model Outcomes on PTSD remission at post-test for 1-Stage Individual Patient Data

|  |  |  |  |
| --- | --- | --- | --- |
|  | PTSD remission at post-test | | |
| Variable | No. of Obs  (No. of trials) | Mean (SE) βb | 2-Tailed  P Value |
| Main effects for the treatment group | 199 (5) | 1.05 (0.59) | .075 |
| Gender |  |  |  |
| treatment group | 199 (5) | 0.14 (0.17) | .421 |
| gender × treatment group |  | 0.11 (0.11) | .316 |
| Age |  |  |  |
| treatment group | 180 (4) | 0.06 (0.25) | .808 |
| age × treatment group |  | 0.00 (0.00) | .307 |
| Above-threshold depression symptoms |  |  |  |
| treatment group | 180 (4) | 0.09 (0.18) | .607 |
| depression symptoms x treatment group |  | 0.21 (0.11) | .058 |
| Above-threshold anxiety symptoms |  |  |  |
| treatment group | 156 (3) | 0.40 (0.26) | .126 |
| anxiety symptoms x treatment group |  | -0.11 (0.13) | .400 |
| Comorbid psychiatric disorder |  |  |  |
| treatment group | 154 (3) | -0.00 (0.10) | .991 |
| comorbid disorder x treatment group |  | 0.06 (0.14) | .673 |

# Appendix 12

## Mixed-Effects Model Outcomes on Treatment Dropout at post-test for 1-Stage Individual Patient Data

|  |  |  |  |
| --- | --- | --- | --- |
|  | Treatment Dropout | | |
| Variable | No. of Obs  (No. of trials)) | Mean (SE) βb | 2-Tailed  P Value |
| Main effects for the treatment group | 283 (6) | -0.25 (0.28) | .369 |
| Gender |  |  |  |
| treatment group | 282 (6) | -0.14 (0.07) | .042 |
| gender × treatment group |  | 0.23 (0.11) | .028 |
| Age |  |  |  |
| treatment group | 257 (5) | -0.15 (0.18) | .407 |
| age × treatment group |  | 0.00 (0.00) | .586 |
| Medication use |  |  |  |
| treatment group | 207 (3) | 0.10 (0.08) | .248 |
| medication use x treatment group |  | 0.08 (0.13) | .552 |
| Above-threshold depression symptoms |  |  |  |
| treatment group | 257 (5) | -0.15 (0.09) | .099 |
| depression symptoms x treatment group |  | 0.12 (0.12) | .292 |
| Above-threshold anxiety symptoms |  |  |  |
| treatment group | 230 (4) | -0.31 (0.14) | .027 |
| anxiety symptoms x treatment group |  | 0.26 (0.15) | .087 |
| Comorbid psychiatric disorder |  |  |  |
| treatment group | 206 (3) | -0.03 (0.10) | .774 |
| comorbid psychiatric disorder x treatment group |  | -0.9 (0.13) | .497 |