**Appendix:**

**Appendix 1: Search Strategy Terms used in the databases MEDLINE, EMBASE, PsycINFO, and Cochrane Databases for Systematic Reviews. The databases were searched from inception to April 25, 2021.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Diagnostic Accuracy Terms** | **Depression Terms** | **MCI Terms** |
| **Keywords** | ValidScreenToolQuestionnaireInstrumentTestDiagnostic AccuracyPsychometricNeuropsychInventorySurvey | DepressMood | Mild cognitive impairmentMCINeurocognitive disorderCognitive impairment no dementiaCIND |
| **MEDLINE Terms** | Mass ScreeningSensitivity and specificityROC CurvePsychometricsSurveys QuestionnairesPsychological TestsNeuropsychological TestsReproducibility of Results | DepressionDepression, ChemicalDepressive Disorder, MajorDepressive DisorderDepressive Disorder, Treatment-ResistantMood Disorders | Cognitive Dysfunction |
| **EMbase Terms** | Mass ScreeningSensitivity and specificityROC CurvePsychometricsSurveys QuestionnairesPsychological TestsNeuropsychological TestsScreeningScreening TestDiagnostic AccuracyValidityDepression AssessmentDepression Inventory | Agitated depressionAtypical DepressionDepressionLate life DepressionLong term DepressionMajor DepressionEndogenous DepressionMasked DepressionReactive depressionTreatment resistant depressionOrganic DepressionMood Disorder | Mild Cognitive Impairment |
| **PsycINFO Terms** | ScreeningScreening TestTest ValidityPsychometricsDecision Making“Tool Use”QuestionnairesTest reliabilityTest sensitivity | Atypical Depression‘Depression (Emotion)’Endogenous DepressionLate life depressionMajor DepressionRecurrent DepressionTreatment resistant depression | Cognitive impairmentMood disorders |
| **Cochrane Database for Systematic Reviews** | Only Keywords | Only Keywords | Only Keywords |

**Appendix 2: Sources of Grey Literature Search**

|  |  |
| --- | --- |
| Mental Health Organizations | * CADTH
* CCSMH
* CMHA
* Mental Health Canada
* MHE-SME
* Mental Health America
* CAGP
* EAGP
* AAGP
 |
| Cognitive Sites | * Alzheimer.ca
* Alzheimer-europe.org/
* Alz.org
* Alzfdn.org/
 |
| General Grey Databases | * Government of Canada
* GreyNet International
* SIGLE (System for Information on Grey Literature in Europe)
 |
| Search Engines | * TRIP database
* Google Scholar
 |
| International | * Agency for Healthcare Research and Quality
* World Health Organization
 |
| Thesis | * Centre for Resarch Libraries Foreign Dissertation
* DART-Europe E-theses Portal
* Electronic Theses Online Service (ETHOS) | British Library
* Open Access Theses and Dissertations
* Thesis Canada Portal
 |

**Appendix 3: The search lines used as part of a grey literature search of key sources. One of the following search combinations was used in each database outlined in Appendix 2.** **The search line was chosen based on whether the acquired number of articles generated were reasonable and precise.**

|  |
| --- |
| 1) mild cognitive impairment AND depression AND validity; 2) mild cognitive impairment AND depression AND accuracy; 3) mild cognitive impairment AND depression; 4) mild cognitive impairment AND depression AND diagnostic accuracy. |

**Appendix 4: The specific MEDLINE search used from inception to April 25, 2021.**

|  |  |  |
| --- | --- | --- |
| 1 | exp Mass Screening/ | 116582 |
|
| 2 | exp sensitivity/ and specificity/ | 327167 |
|
| 3 | exp ROC Curve/ | 47311 |
|
| 4 | exp Psychometrics/ | 67502 |
|
| 5 | exp surveys/ and questionnaires/ | 400775 |
|
| 6 | exp Psychological Tests/ or exp Neuropsychological Tests/ | 291526 |
|
| 7 | valid\*.kf,tw. | 608366 |
|
| 8 | screen\*.kf,tw. | 644428 |
|
| 9 | tool\*.kf,tw. | 599236 |
|
| 10 | Questionnaire\*.kf,tw. | 434427 |
|
| 11 | instrument\*.kf,tw. | 255948 |
|
| 12 | test\*.kf,tw. | 2854562 |
|
| 13 | Diagnostic Accuracy\*.kf,tw. | 36479 |
|
| 14 | Psychometric\*.kf,tw. | 40295 |
|
| 15 | neuropsych\*.kf,tw. | 76940 |
|
| 16 | inventory\*.kf,tw. | 68651 |
|
| 17 | survey\*.kf,tw. | 554901 |
|
| 18 | exp "Reproducibility of Results"/ | 358883 |
|
| 19 | 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 | 5470450 |
|
| 20 | exp depression/ or exp Depression, Chemical/ | 131396 |
|
| 21 | exp Depressive Disorder, Major/ or exp Depressive Disorder/ or exp Depressive Disorder, Treatment-Resistant/ | 99847 |
|
| 22 | exp Mood Disorders/ | 111697 |
|
| 23 | "depress\*".kf,tw. | 410475 |
|
| 24 | "mood\*".kf,tw. | 66573 |
|
| 25 | "mild cognitive impairment".kf,tw. | 13209 |
|
| 26 | "mci\*".kf,tw. | 17744 |
|
| 27 | neurocognitive disorder.kf,tw. | 591 |
|
| 28 | exp Cognitive Dysfunction/ | 8845 |
|
| 29 | cognitive impairment no dementia.kf,tw. | 216 |
|
| 30 | CIND.kf,tw. | 272 |
|
| 31 | 25 or 26 or 27 or 28 or 29 or 30 | 28163 |
|
| 32 | 20 or 21 or 22 or 23 or 24 | 513731 |
|
| 33 | 19 and 31 and 32 | 1796 |