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Screening Instruments for Mental Disorders in Primary Health Care: A Scoping Review (SCREENING-MD)

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**Screening Instruments for Mental Disorders in Primary Health Care: a
scoping review (SCREENING-MD)**

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Enseignement Supérieur (ABES)

ABSTRACT

Introduction: When mental disorders go undetected until later stages, they can result in poorer health outcomes for patients. Primary Health Care (PHC) stands as a strategic setting for the early identification and management of these mental disorders, given its role as the primary care environment for health service users. This scoping review has the objective is mapping and assessing screening instruments validated for mental disorders that are applicable in PHC, particularly regarding their measurement properties.

Methods and Analysis: This scoping review will include studies that have developed and validated screening instruments for mental disorders applicable within PHC, irrespective of the age group. Searches will be conducted in Medline, Embase, Lilacs, CINAHL, and PsycINFO, without imposing restrictions on publication status, publication year, or language. Additionally, we will explore the gray literature through Google Scholar and scrutinize the references cited in the selected studies. Our inclusion criteria encompass studies examining any measurement property recommended by the Consensus-based Standards for the selection of health Measurement Instruments (COSMIN) taxonomy. The selection process, data extraction, and quality assessment of studies will be performed independently by pairs of reviewers. To evaluate the risk of bias within the selected studies, we will employ the COSMIN Risk of Bias 2 tools. The collected data will undergo analysis using descriptive statistics and will be presented in an evidence gap map format for each specific mental disorder.

Ethics and dissemination: The findings from this review will be discussed through deliberative dialogue with stakeholders and disseminated through peer-reviewed publications and conference presentations. The project was approved by the Ethics Committee for Research at the University of Sorocaba (number: 66993323.9.0000.5500).

Protocol Registration: Open Science Framework – 10.17605/OSF.IO/Z6T5M

Keywords: Mental Disorders. Primary Health Care. Screening. Scoping Review.

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STRENGTHS AND LIMITATIONS OF THIS STUDY

- This scoping review is the first to map and analyze screening instruments validated for Mental Disorders in Primary Health Care;
- The findings of this study will be with relevant stakeholders through a deliberative dialogue;
- The study follows important guidelines like the Consensus-based Standards for the selection of health Measurement Instruments (COSMIN) initiative and Joanna Briggs, to ensure robust methodology;
- Significant gaps will be identified to establish a comprehensive research agenda regarding screening instruments for mental disorders;
- Heterogeneous reporting in psychometric studies and instances of missing data might restrict the outcomes of this study.

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Enseignement Supérieur (ABES).

INTRODUCTION

One out of every eight individuals worldwide has received a diagnosis of a mental disorder, amounting to 970 million people [1]. In 2020, the estimates surged by over 20%, primarily for anxiety and depressive disorders, due to the impact of the COVID-19 pandemic [1]. Despite the existence of treatment options for various mental disorders, their recognition remains challenging, primarily due to stigma, insufficient professional training, and a shortage of validated screening instruments [2].

Primary Health Care (PHC) serves as the primary entry point into health systems, typically where patients seek care most often, playing a crucial role in ensuring universal healthcare, accessible, and equitable for the population [3]. When it comes to mental health, PHC has been instrumental in reducing the stigma and discrimination associated with mental disorders, enhancing healthcare access, reducing the long-term impact of mental disorders, and promoting social integration [4]. As a result, PHC stands as a vital setting for the implementation of mental disorder screening.

Screening for mental disorders in PHC has been encouraged because late identification leads to poorer health outcomes [5]. It's important to note, however, that PHC lacks systematic methods for tracking mental disorders, leading to inaccuracies in results primarily due to missed or incorrect diagnoses, owing to the complexity of mental disorders [6,7]. Therefore, implementing suitable instruments is the initial step towards integrating mental disorder screening into the existing PHC services.

Instruments that are validated and consistent are crucial for the implementation of screening in PHC. In recent years, many screening instruments for mental disorders have been developed, but little is known about the measurement properties that have been evaluated [8]. Moreover, when it comes to low- and middle-income countries, there are concerns about whether the development process of these instruments is suitable for this population. A recent systematic review revealed that the instruments designed for screening mental disorders are validated in local contexts, and these validations leave gaps in the applicability of

disorders (ICD F30-39), substance use disorders (ICD F10-19), and psychotic disorders (ICD F20-29).

Types of Instruments and Measurement Properties of Interest

Studies will be considered without restrictions on the specific measurement property under examination or the method of administration. Multidimensional instruments will also be eligible for inclusion.

Context

Studies conducted in primary care settings or those that do not specify the care context will be incorporated. As a result, instruments developed and validated for specialized care or psychiatric inpatient settings will be excluded.

Information Sources

The consulted databases will be MEDLINE (via PubMed), Embase, Lilacs (via Virtual Health Library Portal), PsycINFO, and CINAHL. Other information sources will also be consulted, including gray literature from Google Scholar and the reference lists of included studies. No restrictions on language or year of publication will be applied. If necessary, specialized translation services will be consulted for languages that are not readable by the team.

Search Strategy

To validate the search strategy, double-checking will be conducted using Peer Review of Electronic Search Strategies (PRESS) [14]. A specialized librarian will validate it, and modifications will be made if necessary. **Supplementary Material 1** describes the search strategy for each information source. Given the substantial volume of studies on screening instruments for mental disorders, we applied a developed and validated methodological filter to identify instruments [15].

Study selection and data extraction

The selection process will involve pairs of reviewers, resolving any disagreements through consensus. This process will occur in two stages: initially screening based on title and abstract, followed by the assessment of full-text articles using Rayyan software (Step 1) and Microsoft Excel 2016 (Step 2) [16]. Reviewer calibration will precede the selection process, which includes the initial

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172 assessment of 50 randomly chosen titles and abstracts in the first stage, followed
173 by 10 full-text articles. A reviewer will be considered qualified if they accurately
174 select at least 75% of the calibration set, as recommended in the manuals [10].

175 The data extraction process will similarly involve two independent reviewers, and
176 the calibration will follow a process akin to that previously described for selection.
177 At this stage, within an Excel spreadsheet, reviewers will extract the following
178 information:

179 Part 1. Study characteristics: author, year, number of participants; number and
180 percentage of female participants; average or median age; and whether the
181 instrument was designed for use in primary care (yes/no);

182 Part 2. Characteristics of the instruments: name of the instrument; acronym or
183 abbreviation of the instrument; method of administration; administration time;
184 number of items; number of dimensions; whether cross-cultural adaptation was
185 performed (yes/no), if yes, specify the culture.

186 Part 3. Measurement properties: Studies will be categorized based on the
187 measurement properties outlined in the COSMIN taxonomy [17]. This taxonomy
188 categorizes studies according to the following properties: reliability, validity,
189 responsiveness, and interpretability.

190 **Risk of bias**

191 The risk of bias assessment will be conducted using the COSMIN Risk of Bias
192 checklist tool, which evaluates instruments based on their measurement
193 properties [18]. The COSMIN Risk of Bias checklist tool assesses instruments
194 based on the methodological quality of the psychometric steps conducted in the
195 studies. In other words, when we utilize the COSMIN Risk of Bias checklist tool
196 to assess studies, we inherently appraise the psychometric properties of the
197 instrument. While it was primarily developed for Patient-Reported Outcome
198 Measures (PROM), it can also be employed for other psychometric instruments
199 [18]. Two reviewers will independently conduct the assessment, and any
200 discrepancies will be resolved through consensus.

201 **Data synthesis**

The data will be analyzed using descriptive statistics via Stata (version 14.2) software. For better visualization, the results will be presented in bubble and heat maps, categorizing them based on the methodological quality of instrument development and the assessed measurement properties.

Patient and public involvement: deliberative dialogue

We will conduct a deliberative dialogue with stakeholders to discuss barriers and facilitators for implementing screening in PHC. A convenience sample of health professionals working in primary care, representatives from the Brazilian Ministry of Health, and researchers will be recruited via email. The deliberative dialogue will be held virtually, following the recommendations outlined in the SUPPORT tools [19].

A plain language summary of the scoping review will be disseminated to interested parties 15 days before the dialogue. The organization of the deliberative dialogue will be as follows: the initial 15 minutes of the dialogue will focus on presenting a thorough overview of the scoping review findings. Subsequently, discussions will revolve around barriers, facilitators, and the utilization of screening instruments in PHC in Brazil. After the deliberative dialogue, interested parties will evaluate the scoping review using a checklist developed by Lavis (2009) [19].

Ethical aspects

The project was approved by the Ethics Committee for Research at the University of Sorocaba (number: 66993323.9.0000.5500). As the deliberative dialogue will involve human participants, a free and informed consent form will be provided in advance and completed by the research participants.

DISCUSSION

This is the first scoping review to chart screening instruments for mental disorders in PHC, involving their measurement properties and assessing bias risks. In this context, this work, employing an innovative knowledge translation methodology involving deliberative dialogue, holds the potential to assist healthcare professionals, managers, and researchers in making evidence-informed decisions regarding the implementation of validated screening instruments within

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PHC. Furthermore, our findings will facilitate the identification of limitations in the developed instruments, enabling the proposal of research agendas that prioritize robust psychometric studies on screening instruments for mental disorders, aiming to create instruments beneficial for clinical practice.

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Although our work adhered to all methodological guidelines, potential limitations may arise due to the heterogeneity in reporting concerning the development of screening instruments for mental disorders. Consequently, reviewers may need to conduct subjective assessments to evaluate the risk of bias and categorize instruments, aligning with the guidelines outlined in the COSMIN Manual [11]. Furthermore, incomplete data, particularly concerning contextual information about these instruments within care settings, can present challenges in data extraction.

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Therefore, the methodological rigor of our scoping review, combined with the knowledge translation strategy employing deliberative dialogue, can promote the integration of scientific evidence into clinical practice and the screening of mental disorders in PHC. Moreover, the identified research gaps can serve as a foundation for new studies on these instruments. Additionally, utilizing COSMIN's international taxonomy and methodological recommendations can raise awareness among researchers about the effective utilization of these validated instruments for measuring outcomes in the healthcare domain [17].

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AUTHOR CONTRIBUTIONS

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LPNL is the principal investigator, responsible for drafting the protocol and final version. The other authors (DMSSS, JCS, MDG, CCB, JHHO and LCL) reviewed the content and provided significant edits to the final version. LCL serves as the review guarantor, offering advice on the background, contributing to protocol drafting, and revising the manuscript.

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COMPETING INTERESTS

None to declare.

WORD COUNT

1,723.

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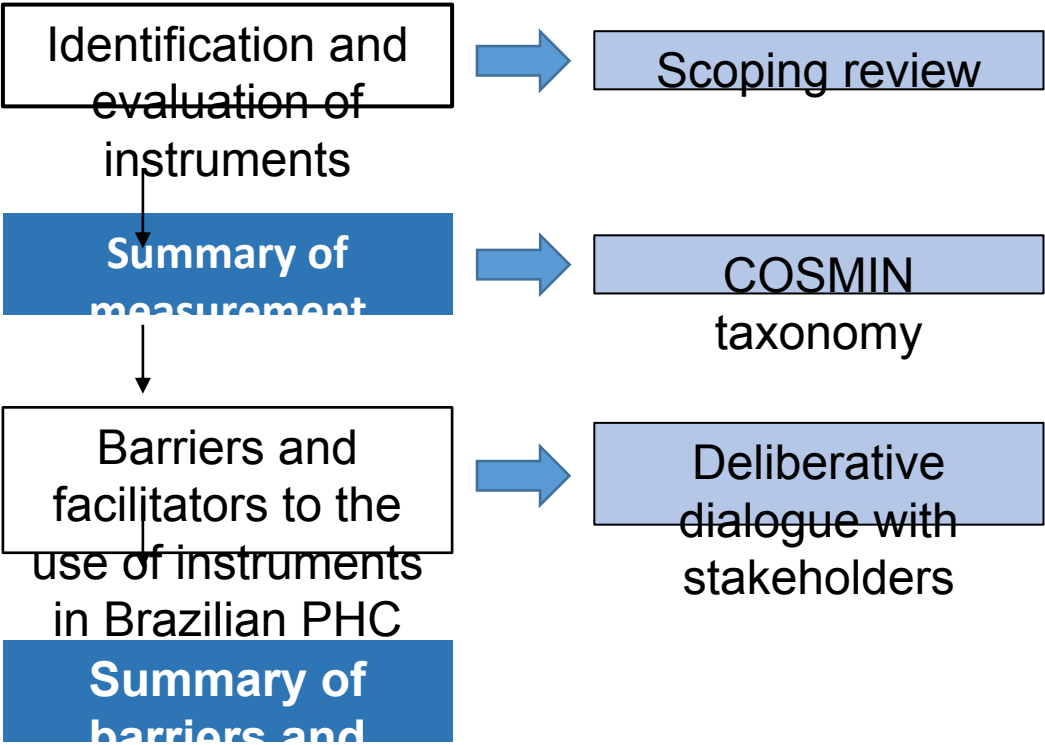
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Supplementary Material 1 Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews (PRISMA-ScR) Checklist

Adapted to protocol

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
TITLE			
Title	1	Identify the report as a scoping review.	1
ABSTRACT			
Structured summary	2	Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives.	3
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach.	5-6
Objectives	4	Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives.	6
METHODS			
Protocol and registration	5	Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number.	6
Eligibility criteria	6	Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale.	6-7
Information sources*	7	Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed.	7
Search	8	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	7 and Supplementary Material 2
Selection of sources of evidence†	9	State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review.	8
Data charting process‡	10	Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators.	8
Data items	11	List and define all variables for which data were sought and any assumptions and simplifications made.	8
Critical appraisal of individual	12	If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe	8

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
sources of evidence§		the methods used and how this information was used in any data synthesis (if appropriate).	
Synthesis of results	13	Describe the methods of handling and summarizing the data that were charted.	9

JBI = Joanna Briggs Institute; PRISMA-ScR = Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews.
 * Where *sources of evidence* (see second footnote) are compiled from, such as bibliographic databases, social media platforms, and Web sites.
 † A more inclusive/heterogeneous term used to account for the different types of evidence or data sources (e.g., quantitative and/or qualitative research, expert opinion, and policy documents) that may be eligible in a scoping review as opposed to only studies. This is not to be confused with *information sources* (see first footnote).
 ‡ The frameworks by Arksey and O'Malley (6) and Levac and colleagues (7) and the JBI guidance (4, 5) refer to the process of data extraction in a scoping review as data charting.
 § The process of systematically examining research evidence to assess its validity, results, and relevance before using it to inform a decision. This term is used for items 12 and 19 instead of "risk of bias" (which is more applicable to systematic reviews of interventions) to include and acknowledge the various sources of evidence that may be used in a scoping review (e.g., quantitative and/or qualitative research, expert opinion, and policy document).

From: Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMA-ScR): Checklist and Explanation. *Ann Intern Med*. 2018;169:467–473. doi: [10.7326/M18-0850](https://doi.org/10.7326/M18-0850).

Supplementary Material 2: Search strategies employed in each consulted database.

MEDLINE (Via Pubmed)

1. "Mental Disorder**"
2. "Psychiatric Illness**"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder**"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder**"
10. "Psychotic Disorder**"
11. Psychos*
12. "Schizoaffective Disorder****"
13. "Schizophreniform Disorder**"
14. "Brief Reactive Psychos**"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
16. "Schizophrenia, Paranoid"
17. "Paranoid Schizophrenias"
18. "Schizophrenias, Paranoid"
19. "Paranoid Schizophrenia"
20. "Delusional Disorder"
21. "Delusional Disorders"
22. "Disorder, Delusional"
23. "Disorders, Delusional"
24. "Schizophrenia, Disorganized"
25. "Disorganized Schizophrenia"
26. "Disorganized Schizophrenias"
27. "Schizophrenias, Disorganized"
28. "Hebephrenic Schizophrenia"
29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"
31. "Schizophrenia, Hebephrenic"
32. "Schizophrenia, Catatonic"
33. "Catatonic Schizophrenia"
34. "Catatonic Schizophrenias"
35. "Schizophrenias, Catatonic****"
36. "Mood Disorder**"
37. "Disorder, Mood"
38. "Disorders, Mood"
39. "Affective Disorder**"
40. "Disorder, Affective"
41. "Disorders, Affective"
42. Mania*
43. "Manic State"
44. "Hypomanic Episode"
45. "Hypomanic Episodes"
46. Hypomania*
47. "Manic Episode"
48. "Episode, Manic"

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49. "Manic Episodes"
50. "Bipolar Disorder"
51. "Bipolar Disorders"
52. "Psychosis, Manic-Depressive"
53. "Psychosis, Manic Depressive"
54. "Psychoses, Manic-Depressive"
55. "Psychoses, Manic Depressive"
56. "Manic-Depressive Psychosis"
57. "Manic Depressive Psychosis"
58. "Bipolar Mood Disorder"
59. "Bipolar Mood Disorders"
60. "Disorder, Bipolar Mood"
61. "Mood Disorder, Bipolar"
62. "Affective Psychosis, Bipolar"
63. "Bipolar Affective Psychosis"
64. "Psychoses, Bipolar Affective"
65. "Psychosis, Bipolar Affective"
66. "Bipolar Disorder Type 1"
67. "Type 1 Bipolar Disorder"
68. "Manic Depression"
69. "Depression, Manic"
70. "Depressions, Manic"
71. "Depression, Bipolar"
72. "Bipolar Depression"
73. "Bipolar Disorder Type 2"
74. "Type 2 Bipolar Disorder" OR
75. "Manic Disorder"
76. "Disorder, Manic"
77. "Manic Disorders"
78. "Anxiety Disorder**"
79. "Disorder, Anxiety"
80. "Disorders, Anxiety"
81. "Neuroses, Anxiety"
82. "Anxiety Neuroses"
83. "Anxiety States, Neurotic"
84. "Anxiety State, Neurotic"
85. "Neurotic Anxiety State"
86. "Neurotic Anxiety States"
87. "State, Neurotic Anxiety"
88. "States, Neurotic Anxiety"
89. "Phobia, Social" OR "Social Phobia**"
90. "Social Evaluation Phobia"
91. "Phobia, Social Evaluation"
92. "Social Evaluation Phobias"
93. "Social Anxiety Disorder"
94. "Anxiety Disorder, Social"
95. "Disorder, Social Anxiety"
96. "Social Anxiety Disorders"
97. Sociophobia*
98. "Fear of Social Evaluation"
99. "Evaluation Fear, Social"
100. "Social Evaluation Fear"
101. "Feeding and Eating Disorders"
102. "Eating and Feeding Disorders"
103. "Feeding Disorders"
104. "Disorder, Feeding"

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105. "Disorders, Feeding"
106. "Feeding Disorder"
107. "Eating Disorders"
108. "Disorder, Eating"
109. "Disorders, Eating"
110. "Eating Disorder"
111. "Appetite Disorders"
112. "Appetite Disorder"
113. "Anorexia Nervosa"
114. "Anorexia Nervosas"
115. "Nervosa, Anorexia"
116. "Nervosas, Anorexia"
117. "Bulimia Nervosa"
118. "Nervosa, Bulimia"
119. "Substance-Related Disorder**"
120. "Disorder, Substance Related"
121. "Disorders, Substance Related"
122. "Related Disorder, Substance"
123. "Related Disorders, Substance"
124. "Drug Use Disorders"
125. "Drug Use Disorder"
126. "Disorder, Drug Use"
127. "Organic Mental Disorders, Substance-Induced"
128. "Organic Mental Disorders, Substance Induced"
129. "Substance Abuse"
130. "Abuse, Substance"
131. "Substance Abuses"
132. "Substance Dependence"
133. "Dependence, Substance"
134. "Substance Addiction"
135. "Addiction, Substance"
136. "Chemical Dependence"
137. "Chemical Dependences"
138. "Dependence, Chemical"
139. "Dependences, Chemical"
140. "Drug Dependence"
141. "Dependence, Drug"
142. "Drug Addiction"
143. "Addiction, Drug"
144. "Prescription Drug Abuse"
145. "Abuse, Prescription Drug"
146. "Drug Abuse, Prescription"
147. "Substance Use"
148. "Substance Uses"
149. "Use, Substance"
150. "Drug Abuse"
151. "Abuse, Drug"
152. "Drug Habituation"
153. "Habituation, Drug"
154. "Substance Use Disorders"
155. "Disorder, Substance Use"
156. "Substance Use Disorder"
157. "or/1-157"
158. "Mass Screening"
159. "Mass Screenings"
160. "Screening, Mass"

161. "Screenings, Mass"
162. Screening*
163. "Diagnostic Screening Programs"
164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 OR #169 OR 170

EMBASE

1. 'Mental Disorder*'
2. 'Psychiatric Illness*'
3. 'Psychiatric* Disease'
4. 'Mental Illness'
5. 'Mental Illnesses'
6. 'Psychiatric Disorder*'
7. 'Behavior Disorders'
8. 'Psychiatric Diagnosis'
9. 'Severe Mental Disorder*'
10. 'Psychotic Disorder*'
11. Psychos*
12. 'Schizoaffective Disorder*'
13. 'Schizophreniform Disorder*'
14. 'Brief Reactive Psychos*'
15. 'Schizophrenia Spectrum and Other Psychotic Disorders'
16. 'Schizophrenia, Paranoid'
17. 'Paranoid Schizophrenias'
18. 'Schizophrenias, Paranoid'
19. 'Paranoid Schizophrenia'
20. 'Delusional Disorder'
21. 'Delusional Disorders'
22. 'Disorder, Delusional'
23. 'Disorders, Delusional'
24. 'Schizophrenia, Disorganized'
25. 'Disorganized Schizophrenia'
26. 'Disorganized Schizophrenias'
27. 'Schizophrenias, Disorganized'
28. 'Hebephrenic Schizophrenia'
29. 'Hebephrenic Schizophrenias'
30. 'Schizophrenias, Hebephrenic'
31. 'Schizophrenia, Hebephrenic'
32. 'Schizophrenia, Catatonic'
33. 'Catatonic Schizophrenia'
34. 'Catatonic Schizophrenias'
35. 'Schizophrenias, Catatonic'
36. 'Mood Disorder*'
37. 'Disorder, Mood'
38. 'Disorders, Mood'
39. 'Affective Disorder*'
40. 'Disorder, Affective'
41. 'Disorders, Affective'
42. Mania*

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43. 'Manic State'
44. 'Hypomanic Episode'
45. 'Hypomanic Episodes'
46. Hypomania*
47. 'Manic Episode'
48. 'Episode, Manic'
49. 'Manic Episodes'
50. 'Bipolar Disorder'
51. 'Bipolar Disorders'
52. 'Psychosis, Manic-Depressive'
53. 'Psychosis, Manic Depressive'
54. 'Psychoses, Manic-Depressive'
55. 'Psychoses, Manic Depressive'
56. 'Manic-Depressive Psychosis'
57. 'Manic Depressive Psychosis'
58. 'Bipolar Mood Disorder'
59. 'Bipolar Mood Disorders'
60. 'Disorder, Bipolar Mood'
61. 'Mood Disorder, Bipolar'
62. 'Affective Psychosis, Bipolar'
63. 'Bipolar Affective Psychosis'
64. 'Psychoses, Bipolar Affective'
65. 'Psychosis, Bipolar Affective'
66. 'Bipolar Disorder Type 1'
67. 'Type 1 Bipolar Disorder'
68. 'Manic Depression'
69. 'Depression, Manic'
70. 'Depressions, Manic'
71. 'Depression, Bipolar'
72. 'Bipolar Depression'
73. 'Bipolar Disorder Type 2'
74. 'Type 2 Bipolar Disorder' OR
75. 'Manic Disorder'
76. 'Disorder, Manic'
77. 'Manic Disorders'
78. 'Anxiety Disorder*'
79. 'Disorder, Anxiety'
80. 'Disorders, Anxiety'
81. 'Neuroses, Anxiety'
82. 'Anxiety Neuroses'
83. 'Anxiety States, Neurotic'
84. 'Anxiety State, Neurotic'
85. 'Neurotic Anxiety State'
86. 'Neurotic Anxiety States'
87. 'State, Neurotic Anxiety'
88. 'States, Neurotic Anxiety'
89. 'Phobia, Social' OR 'Social Phobia*'
90. 'Social Evaluation Phobia'
91. 'Phobia, Social Evaluation'
92. 'Social Evaluation Phobias'
93. 'Social Anxiety Disorder'
94. 'Anxiety Disorder, Social'
95. 'Disorder, Social Anxiety'
96. 'Social Anxiety Disorders'
97. Sociophobia*
98. 'Fear of Social Evaluation'

- 1
- 2
- 3 99. 'Evaluation Fear, Social'
- 4 100. 'Social Evaluation Fear'
- 5 101. 'Feeding and Eating Disorders'
- 6 102. 'Eating and Feeding Disorders'
- 7 103. 'Feeding Disorders'
- 8 104. 'Disorder, Feeding'
- 9 105. 'Disorders, Feeding'
- 10 106. 'Feeding Disorder'
- 11 107. 'Eating Disorders'
- 12 108. 'Disorder, Eating'
- 13 109. 'Disorders, Eating'
- 14 110. 'Eating Disorder'
- 15 111. 'Appetite Disorders'
- 16 112. 'Appetite Disorder'
- 17 113. 'Anorexia Nervosa'
- 18 114. 'Anorexia Nervosas'
- 19 115. 'Nervosa, Anorexia'
- 20 116. 'Nervosas, Anorexia'
- 21 117. 'Bulimia Nervosa'
- 22 118. 'Nervosa, Bulimia'
- 23 119. 'Substance-Related Disorder*'
- 24 120. 'Disorder, Substance Related'
- 25 121. 'Disorders, Substance Related'
- 26 122. 'Related Disorder, Substance'
- 27 123. 'Related Disorders, Substance'
- 28 124. 'Drug Use Disorders'
- 29 125. 'Drug Use Disorder'
- 30 126. 'Disorder, Drug Use'
- 31 127. 'Organic Mental Disorders, Substance-Induced'
- 32 128. 'Organic Mental Disorders, Substance Induced'
- 33 129. 'Substance Abuse'
- 34 130. 'Abuse, Substance'
- 35 131. 'Substance Abuses'
- 36 132. 'Substance Dependence'
- 37 133. 'Dependence, Substance'
- 38 134. 'Substance Addiction'
- 39 135. 'Addiction, Substance'
- 40 136. 'Chemical Dependence'
- 41 137. 'Chemical Dependences'
- 42 138. 'Dependence, Chemical'
- 43 139. 'Dependences, Chemical'
- 44 140. 'Drug Dependence'
- 45 141. 'Dependence, Drug'
- 46 142. 'Drug Addiction'
- 47 143. 'Addiction, Drug'
- 48 144. 'Prescription Drug Abuse'
- 49 145. 'Abuse, Prescription Drug'
- 50 146. 'Drug Abuse, Prescription'
- 51 147. 'Substance Use'
- 52 148. 'Substance Uses'
- 53 149. 'Use, Substance'
- 54 150. 'Drug Abuse'
- 55 151. 'Abuse, Drug'
- 56 152. 'Drug Habituation'
- 57 153. 'Habituation, Drug'
- 58 154. 'Substance Use Disorders'
- 59
- 60

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155. 'Disorder, Substance Use'
156. 'Substance Use Disorder'
157. or/1-157
158. 'Mass Screening'
159. 'Mass Screenings'
160. 'Screening, Mass'
161. 'Screenings, Mass'
162. Screening*
163. 'Diagnostic Screening Programs'
164. 'Diagnostic Screening Program'
165. 'Program, Diagnostic Screening'
166. 'Programs, Diagnostic Screening'
167. 'Screening Program, Diagnostic'
168. 'Screening Programs, Diagnostic'
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 OR #169 OR 170

PsycINFO

1. "Mental Disorder**"
2. "Psychiatric Illness**"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder**"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder**"
10. "Psychotic Disorder**"
11. Psychos*
12. "Schizoaffective Disorder****"
13. "Schizophreniform Disorder**"
14. "Brief Reactive Psychos**"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
16. "Schizophrenia, Paranoid"
17. "Paranoid Schizophrenias"
18. "Schizophrenias, Paranoid"
19. "Paranoid Schizophrenia"
20. "Delusional Disorder"
21. "Delusional Disorders"
22. "Disorder, Delusional"
23. "Disorders, Delusional"
24. "Schizophrenia, Disorganized"
25. "Disorganized Schizophrenia"
26. "Disorganized Schizophrenias"
27. "Schizophrenias, Disorganized"
28. "Hebephrenic Schizophrenia"
29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"
31. "Schizophrenia, Hebephrenic"
32. "Schizophrenia, Catatonic"
33. "Catatonic Schizophrenia"
34. "Catatonic Schizophrenias"
35. "Schizophrenias, Catatonic****"
36. "Mood Disorder**"

- 1
- 2
- 3 37. "Disorder, Mood"
- 4 38. "Disorders, Mood"
- 5 39. "Affective Disorder**"
- 6 40. "Disorder, Affective"
- 7 41. "Disorders, Affective"
- 8 42. Mania*
- 9 43. "Manic State"
- 10 44. "Hypomanic Episode"
- 11 45. "Hypomanic Episodes"
- 12 46. Hypomania*
- 13 47. "Manic Episode"
- 14 48. "Episode, Manic"
- 15 49. "Manic Episodes"
- 16 50. "Bipolar Disorder"
- 17 51. "Bipolar Disorders"
- 18 52. "Psychosis, Manic-Depressive"
- 19 53. "Psychosis, Manic Depressive"
- 20 54. "Psychoses, Manic-Depressive"
- 21 55. "Psychoses, Manic Depressive"
- 22 56. "Manic-Depressive Psychosis"
- 23 57. "Manic Depressive Psychosis"
- 24 58. "Bipolar Mood Disorder"
- 25 59. "Bipolar Mood Disorders"
- 26 60. "Disorder, Bipolar Mood"
- 27 61. "Mood Disorder, Bipolar"
- 28 62. "Affective Psychosis, Bipolar"
- 29 63. "Bipolar Affective Psychosis"
- 30 64. "Psychoses, Bipolar Affective"
- 31 65. "Psychosis, Bipolar Affective"
- 32 66. "Bipolar Disorder Type 1"
- 33 67. "Type 1 Bipolar Disorder"
- 34 68. "Manic Depression"
- 35 69. "Depression, Manic"
- 36 70. "Depressions, Manic"
- 37 71. "Depression, Bipolar"
- 38 72. "Bipolar Depression"
- 39 73. "Bipolar Disorder Type 2"
- 40 74. "Type 2 Bipolar Disorder" OR
- 41 75. "Manic Disorder"
- 42 76. "Disorder, Manic"
- 43 77. "Manic Disorders"
- 44 78. "Anxiety Disorder**"
- 45 79. "Disorder, Anxiety"
- 46 80. "Disorders, Anxiety"
- 47 81. "Neuroses, Anxiety"
- 48 82. "Anxiety Neuroses"
- 49 83. "Anxiety States, Neurotic"
- 50 84. "Anxiety State, Neurotic"
- 51 85. "Neurotic Anxiety State"
- 52 86. "Neurotic Anxiety States"
- 53 87. "State, Neurotic Anxiety"
- 54 88. "States, Neurotic Anxiety"
- 55 89. "Phobia, Social" OR "Social Phobia**"
- 56 90. "Social Evaluation Phobia"
- 57 91. "Phobia, Social Evaluation"
- 58 92. "Social Evaluation Phobias"
- 59
- 60

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93. "Social Anxiety Disorder"
94. "Anxiety Disorder, Social"
95. "Disorder, Social Anxiety"
96. "Social Anxiety Disorders"
97. Sociophobia*
98. "Fear of Social Evaluation"
99. "Evaluation Fear, Social"
100. "Social Evaluation Fear"
101. "Feeding and Eating Disorders"
102. "Eating and Feeding Disorders"
103. "Feeding Disorders"
104. "Disorder, Feeding"
105. "Disorders, Feeding"
106. "Feeding Disorder"
107. "Eating Disorders"
108. "Disorder, Eating"
109. "Disorders, Eating"
110. "Eating Disorder"
111. "Appetite Disorders"
112. "Appetite Disorder"
113. "Anorexia Nervosa"
114. "Anorexia Nervosas"
115. "Nervosa, Anorexia"
116. "Nervosas, Anorexia"
117. "Bulimia Nervosa"
118. "Nervosa, Bulimia"
119. "Substance-Related Disorder**"
120. "Disorder, Substance Related"
121. "Disorders, Substance Related"
122. "Related Disorder, Substance"
123. "Related Disorders, Substance"
124. "Drug Use Disorders"
125. "Drug Use Disorder"
126. "Disorder, Drug Use"
127. "Organic Mental Disorders, Substance-Induced"
128. "Organic Mental Disorders, Substance Induced"
129. "Substance Abuse"
130. "Abuse, Substance"
131. "Substance Abuses"
132. "Substance Dependence"
133. "Dependence, Substance"
134. "Substance Addiction"
135. "Addiction, Substance"
136. "Chemical Dependence"
137. "Chemical Dependences"
138. "Dependence, Chemical"
139. "Dependences, Chemical"
140. "Drug Dependence"
141. "Dependence, Drug"
142. "Drug Addiction"
143. "Addiction, Drug"
144. "Prescription Drug Abuse"
145. "Abuse, Prescription Drug"
146. "Drug Abuse, Prescription"
147. "Substance Use"
148. "Substance Uses"

149. "Use, Substance"
150. "Drug Abuse"
151. "Abuse, Drug"
152. "Drug Habituation"
153. "Habituation, Drug"
154. "Substance Use Disorders"
155. "Disorder, Substance Use"
156. "Substance Use Disorder"
157. or/1-157
158. "Mass Screening"
159. "Mass Screenings"
160. "Screening, Mass"
161. "Screenings, Mass"
162. Screening*
163. "Diagnostic Screening Programs"
164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 OR #169 OR 170

LILACS

1. "Transtornos Mentais"
2. "Diagnóstico Psiquiátrico"
3. "Distúrbios Psiquiátricos"
4. "Doença Mental"
5. "Doença Psiquiátrica"
6. "Doenças Psiquiátricas"
7. Insanidade
8. "Transtorno do Comportamento"
9. "Transtornos do Comportamento"
10. "Transtornos Mentais Graves"
11. "Transtornos Mentais Severos"
12. "Transtornos Psiquiátricos"
13. "Trastornos Mentales"
14. "Enfermedad Mental"
15. "Enfermedad Psiquiátrica"
16. "Enfermedades Psiquiátricas"
17. Insanidad
18. "Transtornos Mentales Severos"
19. "Trastorno del Comportamiento"
20. "Trastorno Mental"
21. "Trastornos del Comportamiento"
22. "Trastornos Mentales Graves"
23. "Trastornos Psiquiátricos"
24. "Mental Disorder*"
25. "Psychiatric Illness*"
26. "Psychiatric* Disease"
27. "Mental Illness"
28. "Mental Illnesses"
29. "Psychiatric Disorder*"
30. "Behavior Disorders"

31. "Psychiatric Diagnosis"
32. "Severe Mental Disorder*"
33. "Psychotic Disorder*"
34. Psychos*
35. "Schizoaffective Disorder*""
36. "Schizophreniform Disorder*"
37. "Brief Reactive Psychos*"
38. "Schizophrenia Spectrum and Other Psychotic Disorders"
39. "Schizophrenia, Paranoid"
40. "Paranoid Schizophrenias"
41. "Schizophrenias, Paranoid"
42. "Paranoid Schizophrenia"
43. "Delusional Disorder"
44. "Delusional Disorders"
45. "Disorder, Delusional"
46. "Disorders, Delusional"
47. "Schizophrenia, Disorganized"
48. "Disorganized Schizophrenia"
49. "Disorganized Schizophrenias"
50. "Schizophrenias, Disorganized"
51. "Hebephrenic Schizophrenia"
52. "Hebephrenic Schizophrenias"
53. "Schizophrenias, Hebephrenic"
54. "Schizophrenia, Hebephrenic"
55. "Schizophrenia, Catatonic"
56. "Catatonic Schizophrenia"
57. "Catatonic Schizophrenias"
58. "Schizophrenias, Catatonic*"
59. "Transtornos Psicóticos"
60. "Psicose Reativa Breve"
61. Psicoses
62. "Transtorno Esquizoafetivo"
63. "Transtornos Esquizofreniformes"
64. "Espectro da Esquizofrenia e Outros Transtornos Psicóticos"
65. "Esquizofrenia e Transtornos com Características Psicóticas"
66. "Esquizofrenia Paranoide"
67. "Transtorno Delirante"
68. "Esquizofrenia Hebefrênica"
69. "Esquizofrenia Catatônica"
70. "Trastornos Psicóticos"
71. Psicosis OR "Psicosis Reactiva Breve"
72. "Trastorno Esquizoafectivo"
73. "Trastornos Esquizofreniformes"
74. "Esquizofrenia Hebefrénica"
75. "Esquizofrenia Catatónica"
76. "Mood Disorder*"
77. "Disorder, Mood"
78. "Disorders, Mood"
79. "Affective Disorder*"
80. "Disorder, Affective"
81. "Disorders, Affective"
82. Mania*
83. "Manic State"
84. "Hypomanic Episode"
85. "Hypomanic Episodes"
86. Hypomania*

- 1
- 2
- 3 87. "Manic Episode"
- 4 88. "Episode, Manic"
- 5 89. "Manic Episodes"
- 6 90. "Bipolar Disorder"
- 7 91. "Bipolar Disorders"
- 8 92. "Psychosis, Manic-Depressive"
- 9 93. "Psychosis, Manic Depressive"
- 10 94. "Psychoses, Manic-Depressive"
- 11 95. "Psychoses, Manic Depressive"
- 12 96. "Manic-Depressive Psychosis"
- 13 97. "Manic Depressive Psychosis"
- 14 98. "Bipolar Mood Disorder"
- 15 99. "Bipolar Mood Disorders"
- 16 100. "Disorder, Bipolar Mood"
- 17 101. "Mood Disorder, Bipolar"
- 18 102. "Affective Psychosis, Bipolar"
- 19 103. "Bipolar Affective Psychosis"
- 20 104. "Psychoses, Bipolar Affective"
- 21 105. "Psychosis, Bipolar Affective"
- 22 106. "Bipolar Disorder Type 1"
- 23 107. "Type 1 Bipolar Disorder"
- 24 108. "Manic Depression"
- 25 109. "Depression, Manic"
- 26 110. "Depressions, Manic"
- 27 111. "Depression, Bipolar"
- 28 112. "Bipolar Depression"
- 29 113. "Bipolar Disorder Type 2"
- 30 114. "Type 2 Bipolar Disorder" OR
- 31 115. "Manic Disorder"
- 32 116. "Disorder, Manic"
- 33 117. "Manic Disorders"
- 34 118. "Transtornos do Humor"
- 35 119. "Transtornos Afetivos"
- 36 120. "Trastornos del Humor"
- 37 121. Mania
- 38 122. "Episódio Hipomaniaco"
- 39 123. "Episódio Maníaco"
- 40 124. "Estado Maníaco"
- 41 125. "Estado de Loucura"
- 42 126. hipomania
- 43 127. "episodio hipomaniaco"
- 44 128. "episodio maníaco"
- 45 129. "estado maníaco"
- 46 130. "hipomanía"
- 47 131. "Anxiety Disorder**"
- 48 132. "Disorder, Anxiety"
- 49 133. "Disorders, Anxiety"
- 50 134. "Neuroses, Anxiety"
- 51 135. "Anxiety Neuroses"
- 52 136. "Anxiety States, Neurotic"
- 53 137. "Anxiety State, Neurotic"
- 54 138. "Neurotic Anxiety State"
- 55 139. "Neurotic Anxiety States"
- 56 140. "State, Neurotic Anxiety"
- 57 141. "States, Neurotic Anxiety"
- 58 142. "Phobia, Social" OR "Social Phobia**"
- 59
- 60

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143. "Social Evaluation Phobia"
144. "Phobia, Social Evaluation"
145. "Social Evaluation Phobias"
146. "Social Anxiety Disorder"
147. "Anxiety Disorder, Social"
148. "Disorder, Social Anxiety"
149. "Social Anxiety Disorders"
150. Sociophobia*
151. "Transtornos de Ansiedade"
152. "Distúrbios de Ansiedade"
153. "Estados de Ansiedade Neurótica"
154. "Neurose de Ansiedade"
155. "Transtornos Ansiosos"
156. "Transtornos de Angústia"
157. Agorafobia
158. Demofobia
159. Enoclofobia
160. "Fobia de Espaços Abertos"
161. "Fobia de Multidão"
162. "Fobia de Mutidões"
163. Oclofobia*
164. "Transtorno de Pânico"
165. "Ataques de Pânico"
166. " trastornos de ansiedad"
167. "estados de ansiedad neuróticos"
168. "neurosis de ansiedad"
169. "fobia a las multitudes"
170. "fobia a los espacios abiertos"
171. "trastorno de pánico"
172. "ataques de pánico"
173. "Fear of Social Evaluation"
174. "Evaluation Fear, Social"
175. "Social Evaluation Fear"
176. "Feeding and Eating Disorders"
177. "Eating and Feeding Disorders"
178. "Feeding Disorders"
179. "Disorder, Feeding"
180. "Disorders, Feeding"
181. "Feeding Disorder"
182. "Eating Disorders"
183. "Disorder, Eating"
184. "Disorders, Eating"
185. "Eating Disorder"
186. "Appetite Disorders"
187. "Appetite Disorder"
188. "Anorexia Nervosa"
189. "Anorexia Nervosas"
190. "Nervosa, Anorexia"
191. "Nervosas, Anorexia"
192. "Bulimia Nervosa"
193. "Nervosa, Bulimia"
194. "Transtornos da Alimentação"
195. "Transtornos da Ingestão de Alimentos"
196. "Transtornos do Apetite"
197. "Transtorno da Compulsão Alimentar"
198. "Compulsão Alimentar"

1		
2		
3	199.	"Anorexia Nervosa"
4	200.	"Bulimia Nervosa"
5	201.	"Trastornos de Alimentación y de la Ingestión de Alimentos"
6	202.	"Trastorno Alimentario"
7	203.	"Trastornos Alimentarios"
8	204.	"Trastornos Alimentarios y de la Ingestión de Alimentos"
9	205.	"Trastornos de Alimentación"
10	206.	"Trastornos de la Conducta Alimentaria"
11	207.	"Trastornos de la Ingesta de Alimentos"
12	208.	"Trastornos de la Ingestión de Alimentos"
13	209.	"Trastornos del Apetito"
14	210.	"Trastorno por Atracón"
15	211.	"trastorno de hiperfagia compulsiva"
16	212.	"trastorno de atracones"
17	213.	"Anorexia Nerviosa"
18	214.	"anorexia nerviosa"
19	215.	"Bulimia Nerviosa"
20	216.	"Substance-Related Disorder*"
21	217.	"Disorder, Substance Related"
22	218.	"Disorders, Substance Related"
23	219.	"Related Disorder, Substance"
24	220.	"Related Disorders, Substance"
25	221.	"Drug Use Disorders"
26	222.	"Drug Use Disorder"
27	223.	"Disorder, Drug Use"
28	224.	"Organic Mental Disorders, Substance-Induced"
29	225.	"Organic Mental Disorders, Substance Induced"
30	226.	"Substance Abuse"
31	227.	"Abuse, Substance"
32	228.	"Substance Abuses"
33	229.	"Substance Dependence"
34	230.	"Dependence, Substance"
35	231.	"Substance Addiction"
36	232.	"Addiction, Substance"
37	233.	"Chemical Dependence"
38	234.	"Chemical Dependences"
39	235.	"Dependence, Chemical"
40	236.	"Dependences, Chemical"
41	237.	"Drug Dependence"
42	238.	"Dependence, Drug"
43	239.	"Drug Addiction"
44	240.	"Addiction, Drug"
45	241.	"Prescription Drug Abuse"
46	242.	"Abuse, Prescription Drug"
47	243.	"Drug Abuse, Prescription"
48	244.	"Substance Use"
49	245.	Substance Uses"
50	246.	"Use, Substance"
51	247.	"Drug Abuse"
52	248.	"Abuse, Drug"
53	249.	"Drug Habituation"
54	250.	"Habituation, Drug"
55	251.	"Substance Use Disorders"
56	252.	"Disorder, Substance Use"
57	253.	"Substance Use Disorder"
58	254.	"Transtornos Relacionados ao Uso de Substâncias"
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255. "Abuso de Drogas"
256. "Abuso de Medicamentos sob Prescrição"
257. "Abuso de Substâncias"
258. "Abuso de Substâncias Psicoativas"
259. "Abuso de Substâncias que Produzem Dependência"
260. "Abuso de Substâncias que não Produzem Dependência"
261. "Adição a Drogas"
262. "Dependência Física de Substâncias"
263. "Dependência Psíquica de Substâncias"
264. "Dependência Química"
265. "Dependência de Agentes Químicos"
266. "Dependência de Drogas"
267. "Dependência de Substâncias"
268. "Dependência de Substâncias Psicoativas"
269. Drogadicção
270. Drogadição
271. Farmacodependência
272. "Habituação a Drogas"
273. Toxicomania
274. "Transtorno Relacionado ao Uso de Substâncias"
275. "Transtornos Induzidos por Uso de Substâncias"
276. "Transtornos Mentais Orgânicos Induzidos por Substâncias"
277. "Transtornos Mentais Orgânicos Induzidos por Substâncias Psicoativas"
278. "Transtornos Relacionados ao Uso de Substâncias Psicoativas"
279. "Transtornos por Uso de Drogas"
280. "Transtornos por Uso de Substâncias"
281. "Transtornos por Uso de Substâncias Psicoativas"
282. "Uso Indevido de Drogas"
283. "Uso Indevido de Substâncias"
284. "Uso de Substâncias"
285. "Trastornos Relacionados con Sustancias"
286. "adicción a sustancias"
287. drogadicción
288. drogodependencia
289. "habituación a drogas"
290. "habituación a sustancias"
291. "trastorno por consumo de sustancias"
292. "trastorno relacionado con sustancias"
293. "trastornos inducidos por consumo de sustancias"
294. "trastornos inducidos por uso de sustancias"
295. "trastornos mentales orgánicos inducidos por sustancias"
296. "trastornos por consumo de drogas"
297. "trastornos por consumo de sustancias"
298. "trastornos por consumo de sustancias psicoactivas"
299. "trastornos por uso de drogas"
300. "trastornos por uso de sustancias"
301. "trastornos por uso de sustancias psicoactivas"
302. "trastornos relacionados con el consumo de sustancias psicoactivas"
303. "trastornos relacionados con el uso de sustancias psicoactivas"
304. or/1-303
305. "Mass Screening"
306. "Mass Screenings"
307. "Screening, Mass"
308. "Screenings, Mass"
309. Screening*
310. "Diagnostic Screening Programs"

311. "Diagnostic Screening Program"
312. "Program, Diagnostic Screening"
313. "Programs, Diagnostic Screening"
314. "Screening Program, Diagnostic"
315. "Screening Programs, Diagnostic"
316. "Programas de Rastreamento"
317. "Exame Coletivo"
318. "Identificação Sistemática"
319. "Programas de Triagem Diagnóstica"
320. Rastreamento
321. Rastreio
322. "Triagem de Massa"
323. "Tamizaje Masivo"
324. "cribado sistemático"
325. cribado "cribado masivo"
326. "detección selectiva"
327. "detección sistemática"
328. "examen colectivo"
329. "identificación sistemática"
330. screening OR "screening masivo"
331. "Programas de Detección Diagnóstica"
332. "programas de cribado diagnóstico"
333. "programa de cribado diagnóstico"
334. or/305-333
335. COSMIN filter for identifying studies on the development of health measurement instruments
336. #304 OR #334 OR 335

CINAHL

1. "Mental Disorder**"
2. "Psychiatric Illness**"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder**"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder**"
10. "Psychotic Disorder**"
11. Psychos*
12. "Schizoaffective Disorder****"
13. "Schizophreniform Disorder**"
14. "Brief Reactive Psychos**"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
16. "Schizophrenia, Paranoid"
17. "Paranoid Schizophrenias"
18. "Schizophrenias, Paranoid"
19. "Paranoid Schizophrenia"
20. "Delusional Disorder"
21. "Delusional Disorders"
22. "Disorder, Delusional"
23. "Disorders, Delusional"
24. "Schizophrenia, Disorganized"
25. "Disorganized Schizophrenia"
26. "Disorganized Schizophrenias"
27. "Schizophrenias, Disorganized"

28. "Hebephrenic Schizophrenia"
29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"
31. "Schizophrenia, Hebephrenic"
32. "Schizophrenia, Catatonic"
33. "Catatonic Schizophrenia"
34. "Catatonic Schizophrenias"
35. "Schizophrenias, Catatonic"
36. "Mood Disorder"
37. "Disorder, Mood"
38. "Disorders, Mood"
39. "Affective Disorder"
40. "Disorder, Affective"
41. "Disorders, Affective"
42. Mania*
43. "Manic State"
44. "Hypomanic Episode"
45. "Hypomanic Episodes"
46. Hypomania*
47. "Manic Episode"
48. "Episode, Manic"
49. "Manic Episodes"
50. "Bipolar Disorder"
51. "Bipolar Disorders"
52. "Psychosis, Manic-Depressive"
53. "Psychosis, Manic Depressive"
54. "Psychoses, Manic-Depressive"
55. "Psychoses, Manic Depressive"
56. "Manic-Depressive Psychosis"
57. "Manic Depressive Psychosis"
58. "Bipolar Mood Disorder"
59. "Bipolar Mood Disorders"
60. "Disorder, Bipolar Mood"
61. "Mood Disorder, Bipolar"
62. "Affective Psychosis, Bipolar"
63. "Bipolar Affective Psychosis"
64. "Psychoses, Bipolar Affective"
65. "Psychosis, Bipolar Affective"
66. "Bipolar Disorder Type 1"
67. "Type 1 Bipolar Disorder"
68. "Manic Depression"
69. "Depression, Manic"
70. "Depressions, Manic"
71. "Depression, Bipolar"
72. "Bipolar Depression"
73. "Bipolar Disorder Type 2"
74. "Type 2 Bipolar Disorder" OR
75. "Manic Disorder"
76. "Disorder, Manic"
77. "Manic Disorders"
78. "Anxiety Disorder"
79. "Disorder, Anxiety"
80. "Disorders, Anxiety"
81. "Neuroses, Anxiety"
82. "Anxiety Neuroses"
83. "Anxiety States, Neurotic"

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- 84. "Anxiety State, Neurotic"
- 85. "Neurotic Anxiety State"
- 86. "Neurotic Anxiety States"
- 87. "State, Neurotic Anxiety"
- 88. "States, Neurotic Anxiety"
- 89. "Phobia, Social" OR "Social Phobia*"
- 90. "Social Evaluation Phobia"
- 91. "Phobia, Social Evaluation"
- 92. "Social Evaluation Phobias"
- 93. "Social Anxiety Disorder"
- 94. "Anxiety Disorder, Social"
- 95. "Disorder, Social Anxiety"
- 96. "Social Anxiety Disorders"
- 97. Sociophobia*
- 98. "Fear of Social Evaluation"
- 99. "Evaluation Fear, Social"
- 100. "Social Evaluation Fear"
- 101. "Feeding and Eating Disorders"
- 102. "Eating and Feeding Disorders"
- 103. "Feeding Disorders"
- 104. "Disorder, Feeding"
- 105. "Disorders, Feeding"
- 106. "Feeding Disorder"
- 107. "Eating Disorders"
- 108. "Disorder, Eating"
- 109. "Disorders, Eating"
- 110. "Eating Disorder"
- 111. "Appetite Disorders"
- 112. "Appetite Disorder"
- 113. "Anorexia Nervosa"
- 114. "Anorexia Nervosas"
- 115. "Nervosa, Anorexia"
- 116. "Nervosas, Anorexia"
- 117. "Bulimia Nervosa"
- 118. "Nervosa, Bulimia"
- 119. "Substance-Related Disorder*"
- 120. "Disorder, Substance Related"
- 121. "Disorders, Substance Related"
- 122. "Related Disorder, Substance"
- 123. "Related Disorders, Substance"
- 124. "Drug Use Disorders"
- 125. "Drug Use Disorder"
- 126. "Disorder, Drug Use"
- 127. "Organic Mental Disorders, Substance-Induced"
- 128. "Organic Mental Disorders, Substance Induced"
- 129. "Substance Abuse"
- 130. "Abuse, Substance"
- 131. "Substance Abuses"
- 132. "Substance Dependence"
- 133. "Dependence, Substance"
- 134. "Substance Addiction"
- 135. "Addiction, Substance"
- 136. "Chemical Dependence"
- 137. "Chemical Dependences"
- 138. "Dependence, Chemical"
- 139. "Dependences, Chemical"

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140. "Drug Dependence"
141. "Dependence, Drug"
142. "Drug Addiction"
143. "Addiction, Drug"
144. "Prescription Drug Abuse"
145. "Abuse, Prescription Drug"
146. "Drug Abuse, Prescription"
147. "Substance Use"
148. "Substance Uses"
149. "Use, Substance"
150. "Drug Abuse"
151. "Abuse, Drug"
152. "Drug Habituation"
153. "Habituation, Drug"
154. "Substance Use Disorders"
155. "Disorder, Substance Use"
156. "Substance Use Disorder"
157. or/1-157
158. "Mass Screening"
159. "Mass Screenings"
160. "Screening, Mass"
161. "Screenings, Mass"
162. Screening*
163. "Diagnostic Screening Programs"
164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 OR #169 OR 170

Google Scholar

1. "Mental Disorder"
2. "Psychotic Disorder"
3. "Mood Disorder"
4. "Anxiety Disorder"
5. "Feeding and Eating Disorders"
6. "Substance-Related Disorder"
7. or/1-6
8. "Mass Screening"
9. Screening
10. or/8-9
11. Instrument
12. #07 AND 10 AND 11
13. #Limit_page 5

COSMIN filter

(instrumentation[sh] OR methods[sh] OR "Validation Studies"[pt] OR "Comparative Study"[pt] OR "psychometrics"[MeSH] OR psychometr*[tiab] OR clinimetr*[tw] OR clinometr*[tw] OR "outcome assessment (health care)"[MeSH] OR "outcome assessment"[tiab] OR "outcome measure*" [tw] OR "observer variation"[MeSH] OR "observer variation"[tiab] OR "Health Status

Indicators"[Mesh] OR "reproducibility of results"[MeSH] OR reproducib*[tiab] OR "discriminant analysis"[MeSH] OR reliab*[tiab] OR unreliab*[tiab] OR valid*[tiab] OR "coefficient of variation"[tiab] OR coefficient[tiab] OR homogeneity[tiab] OR homogeneous[tiab] OR "internal consistency"[tiab] OR (cronbach*[tiab] AND (alpha[tiab] OR alphas[tiab])) OR (item[tiab] AND (correlation*[tiab] OR selection*[tiab] OR reduction*[tiab])) OR agreement[tw] OR precision[tw] OR imprecision[tw] OR "precise values"[tw] OR test-retest[tiab] OR (test[tiab] AND retest[tiab]) OR (reliab*[tiab] AND (test[tiab] OR retest[tiab])) OR stability[tiab] OR interrater[tiab] OR inter-rater[tiab] OR intrarater[tiab] OR intra-rater[tiab] OR intertester[tiab] OR inter-tester[tiab] OR intratester[tiab] OR intra-tester[tiab] OR interobserver[tiab] OR inter-observer[tiab] OR intraobserver[tiab] OR intra-observer[tiab] OR intertechnician[tiab] OR inter-technician[tiab] OR intratechnician[tiab] OR intra-technician[tiab] OR interexaminer[tiab] OR inter-examiner[tiab] OR intraexaminer[tiab] OR intra-examiner[tiab] OR interassay[tiab] OR inter-assay[tiab] OR intraassay[tiab] OR intra-assay[tiab] OR interindividual[tiab] OR inter-individual[tiab] OR intraindividual[tiab] OR intra-individual[tiab] OR interparticipant[tiab] OR inter-participant[tiab] OR intraparticipant[tiab] OR intra-participant[tiab] OR kappa[tiab] OR kappa's[tiab] OR kappas[tiab] OR repeatab*[tw] OR ((replicab*[tw] OR repeated[tw]) AND (measure[tw] OR measures[tw] OR findings[tw] OR result[tw] OR results[tw] OR test[tw] OR tests[tw])) OR generaliza*[tiab] OR generalisa*[tiab] OR concordance[tiab] OR (intraclass[tiab] AND correlation*[tiab]) OR discriminative[tiab] OR "known group"[tiab] OR "factor analysis"[tiab] OR "factor analyses"[tiab] OR "factor structure"[tiab] OR "factor structures"[tiab] OR dimension*[tiab] OR subscale*[tiab] OR (multitrait[tiab] AND scaling[tiab] AND (analysis[tiab] OR analyses[tiab])) OR "item discriminant"[tiab] OR "interscale correlation*" [tiab] OR error[tiab] OR errors[tiab] OR "individual variability"[tiab] OR "interval variability"[tiab] OR "rate variability"[tiab] OR (variability[tiab] AND (analysis[tiab] OR values[tiab])) OR (uncertainty[tiab] AND (measurement[tiab] OR measuring[tiab])) OR "standard error of measurement"[tiab] OR sensitiv*[tiab] OR responsive*[tiab] OR (limit[tiab] AND detection[tiab]) OR "minimal detectable concentration"[tiab] OR interpretab*[tiab] OR ((minimal[tiab] OR minimally[tiab] OR clinical[tiab] OR clinically[tiab]) AND (important[tiab] OR significant[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR (small*[tiab] AND (real[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR "meaningful change"[tiab] OR "ceiling effect"[tiab] OR "floor effect"[tiab] OR "Item response model"[tiab] OR IRT[tiab] OR Rasch[tiab] OR "Differential item functioning"[tiab] OR DIF[tiab] OR "computer adaptive testing"[tiab] OR "item bank"[tiab] OR "cross-cultural equivalence"[tiab])

#4 exclusie

NOT ('delphi-technique'[ti] OR cross-sectional[ti] OR "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development conference"[Publication Type] OR "consensus development conference, nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms])

BMJ Open

Screening Instruments for Mental Disorders in Primary Health Care: a scoping review protocol (SCREENING-MD)

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Secondary Subject Heading:	Epidemiology, Public health
Keywords:	Primary Health Care, MENTAL HEALTH, Mass Screening

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**Screening Instruments for Mental Disorders in Primary Health Care: a
scoping review protocol (SCREENING-MD)**

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ABSTRACT

Introduction: When mental disorders go undetected until later stages, they can result in poorer health outcomes for patients. Primary Health Care (PHC) stands as a strategic setting for the early identification and management of these mental disorders, given its role as the primary care environment for health service users. This scoping review has the objective of mapping and assessing screening instruments validated for mental disorders that are applicable in PHC, particularly regarding their measurement properties.

Methods and Analysis: This scoping review will include studies that have developed and validated screening instruments for mental disorders in the PHC context, irrespective of the age group. Searches will be conducted in Medline, Embase, Lilacs, CINAHL, and PsycINFO, without imposing restrictions on publication status, publication year, or language. Additionally, we will explore the gray literature through Google Scholar and scrutinize the references cited in the selected studies. Our inclusion criteria encompass studies examining any measurement property recommended by the Consensus-based Standards for the selection of health Measurement Instruments (COSMIN) taxonomy. The selection process, data extraction, and quality assessment of studies will be performed independently by pairs of reviewers. To evaluate the risk of bias within the selected studies, we will employ the COSMIN Risk of Bias 2 tools. The collected data will undergo analysis using descriptive statistics and will be presented in an evidence gap map format for each specific mental disorder.

Ethics and dissemination: The findings from this review will be discussed through deliberative dialogue with stakeholders and disseminated through peer-reviewed publications and conference presentations. The project was approved by the Ethics Committee for Research at the University of Sorocaba (number: 66993323.9.0000.5500).

Protocol Registration: Open Science Framework – 10.17605/OSF.IO/Z6T5M

Keywords: Mental Disorders. Primary Health Care. Screening. Scoping Review.

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STRENGTHS AND LIMITATIONS OF THIS STUDY

- This scoping review will employ systematic procedures based on important methodological guidelines such as those provided by the Joanna Briggs Institute and the Consensus-based Standards for the Selection of Health Measurement Instruments (COSMIN);
- Stakeholders were involved in the development of this study protocol;
- Significant gaps will be identified to establish a comprehensive research agenda regarding screening instruments for mental disorders;
- Heterogeneous reporting in psychometric studies and instances of missing data might restrict the outcomes of this study.

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INTRODUCTION

One out of every eight individuals worldwide has received a diagnosis of a mental disorder, amounting to 970 million people [1]. In 2020, the estimates surged by over 20%, primarily for anxiety and depressive disorders, due to the impact of the COVID-19 pandemic [1]. Currently, even after the pandemic, statistics on mental disorders remain high [2]. The significant global prevalence of these and other mental disorders, such as eating disorders [3], substance use disorders [4], and psychotic disorders [5], has mobilized important research agendas for appropriate screening and identification [6]. Despite the existence of treatment options for these conditions, their recognition remains challenging, primarily due to stigma, insufficient professional training, and a shortage of validated screening instruments [7].

Primary Health Care (PHC) serves as the primary entry point into health systems, typically where patients seek care most often, playing a crucial role in ensuring universal healthcare, accessible, and equitable for the population [8,9]. When it comes to mental health, PHC has been instrumental in reducing the stigma and discrimination associated with mental disorders, enhancing healthcare access, reducing the long-term impact of mental disorders, and promoting social integration [10]. As a result, PHC stands as a vital setting for the implementation of mental disorder screening.

Screening for mental disorders in PHC has been encouraged because late identification leads to poorer health outcomes [11]. It's important to note, however, that PHC lacks systematic methods for tracking mental disorders, leading to inaccuracies in results primarily due to missed or incorrect diagnoses, owing to the complexity of mental disorders [12,13]. Screening for mental disorders in primary care environments, when conducted, is often done subjectively and without a systematic process, lacking the use of validated instruments and professional training. This observation was made in a qualitative study by Loeb and colleagues, based on the perspective of primary care medical professionals. This finding was further corroborated by the study conducted by Rogers and collaborators (2021), who also noted the scarcity of systematized screening processes incorporating validated strategies [12,13]. Therefore,

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112 implementing suitable instruments is the initial step towards integrating mental
113 disorder screening into the existing PHC services.

114 Instruments that are validated and consistent are crucial for the implementation
115 of screening in PHC. In recent years, many screening instruments for mental
116 disorders have been developed, but little is known about the measurement
117 properties that have been evaluated [14]. Moreover, when it comes to low- and
118 middle-income countries, there are concerns about whether the development
119 process of these instruments is suitable for this population. A recent systematic
120 review revealed that the instruments designed for screening mental disorders are
121 validated in local contexts, and these validations leave gaps in the applicability of
122 these instruments in other countries, particularly those with low and middle
123 incomes [15].

124 This scoping review has the objective of both mapping and assessing screening
125 instruments for mental disorders that are applicable in PHC, particularly regarding
126 their measurement properties.

127 **METHODS**

128 **Study design and registry**

129 **Figure 1** illustrates the steps to be undertaken in this scoping review. Our scoping
130 review will adhere to the guidelines by Joanna Briggs and the Consensus-based
131 Standards for the selection of health Measurement Instruments (COSMIN)
132 systematic reviews manual [16,17]. The study's protocol is accessible on the
133 Open Science Framework [18]. The protocol was documented following the
134 Preferred Reporting Items for Systematic Reviews and Meta-Analyses extension
135 for Scoping Reviews (PRISMA-ScR) Checklist (adapted for protocol)
136 **(Supplementary Material 1)** [19]. This study will begin in July 2024 and end in
137 September 2025.

138 **[Figure 1. Flow of conducting the scoping review]**

139 **Eligibility criteria**

140 The research question was structured following the key components typically
141 used in reviews of health measurement instruments [17], including:

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Construct

We will consider studies that primarily focus on the screening of specific mental disorders, including eating disorders (ICD F50), anxiety disorders (ICD F40-41), mood disorders (ICD F30-39), substance use disorders (ICD F10-19), and psychotic disorders (ICD F20-29). These disorders were selected due to their higher prevalence.

Population

We will include studies involving individuals of various age groups, genders, and geographic locations who exhibit one or more risk factors for mental disorders, including eating disorders (ICD F50), anxiety disorders (ICD F40-41), mood disorders (ICD F30-39), substance use disorders (ICD F10-19), and psychotic disorders (ICD F20-29).

Types of Instruments and Measurement Properties of Interest

Studies will be considered without restrictions on the specific measurement property under examination or the method of administration. We will only include studies focused on instrument development (methodological studies); studies that just utilized the instrument will be excluded. Multidimensional instruments will also be eligible for inclusion.

Context

Only studies conducted in PHC settings will be included, considering primary care environments and population health levels [20]. As a result, instruments developed and validated for specialized care or psychiatric inpatient settings will be excluded.

Information Sources

The consulted databases will be MEDLINE (via PubMed), Embase, Lilacs (via Virtual Health Library Portal), PsycINFO, and CINAHL. Other information sources will also be consulted, including the reference lists of included studies. No restrictions on language or year of publication will be applied. If necessary, specialized translation services will be consulted for languages that are not readable by the team.

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Search Strategy

To validate the search strategy, double-checking will be conducted using Peer Review of Electronic Search Strategies (PRESS) [21]. A specialized librarian will validate it, and modifications will be made if necessary. **Supplementary Material 2** describes the search strategy for each information source. Given the substantial volume of studies on screening instruments for mental disorders, we applied a developed and validated methodological filter to identify instruments [22].

Study selection and data extraction

The selection process will involve pairs of reviewers, resolving any disagreements through consensus. This process will occur in two stages: initially screening based on title and abstract, followed by the assessment of full-text articles using Rayyan software (Step 1) and Microsoft Excel 2016 (Step 2) [23]. Reviewer calibration will precede the selection process, which includes the initial assessment of at least 50 randomly chosen titles and abstracts in the first stage, followed by at least 10 full-text articles. This process will continue until the standardization of included and excluded studies is achieved. The overlapping of articles from the calibration exercise between reviewers will be adopted to assess the reliability of the team [24,25]. A reviewer will be considered qualified if they accurately select at least 75% of the calibration set, as recommended in the manuals [16].

The data extraction process will similarly involve two independent reviewers, and the calibration will follow a process akin to that previously described for selection. At this stage, within an Excel spreadsheet, reviewers will extract the following information:

- Part 1. Study characteristics: author, year, country, number of participants; number and percentage of female participants; average or median age and age range; and whether the instrument was designed for use in primary care (yes/no);
- Part 2. Characteristics of the instruments: name of the instrument; acronym or abbreviation of the instrument; method of administration; administration time; number of items; number of dimensions; whether cross-cultural adaptation was performed (yes/no), if yes, specify the culture.

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Part 3. Measurement properties: Studies will be categorized based on the measurement properties outlined in the COSMIN taxonomy [26]. This taxonomy categorizes studies according to the following properties: reliability, validity, responsiveness, and interpretability.

Risk of bias

The risk of bias assessment will be conducted using the COSMIN Risk of Bias checklist tool, which evaluates instruments based on their measurement properties [27, 28]. The COSMIN Risk of Bias checklist tool assesses instruments based on the methodological quality of the psychometric steps conducted in the studies. In other words, when we utilize the COSMIN Risk of Bias checklist tool to assess studies, we inherently appraise the psychometric properties of the instrument. While it was primarily developed for Patient-Reported Outcome Measures (PROM), it can also be employed for other psychometric instruments [27]. Two reviewers will independently conduct the assessment, and any discrepancies will be resolved through consensus.

Data synthesis

The data will be analyzed using descriptive statistics via Stata (version 14.2) software. For better visualization, the results will be presented in bubble and heat maps, categorizing them based on the methodological quality of instrument development and the assessed measurement properties.

Patient and public involvement: deliberative dialogue

We will conduct a deliberative dialogue with stakeholders to discuss barriers and facilitators for implementing screening in PHC. A convenience sample of health professionals working in primary care, representatives from the Brazilian Ministry of Health, and researchers will be recruited via email. The deliberative dialogue will be held virtually, following the recommendations outlined in the SUPPORT tools [29].

A plain language summary of the scoping review will be disseminated to interested parties 15 days before the dialogue. The organization of the deliberative dialogue will be as follows: the initial 15 minutes of the dialogue will focus on presenting a thorough overview of the scoping review findings.

Subsequently, discussions will revolve around barriers, facilitators, and the utilization of screening instruments in PHC in Brazil. After the deliberative dialogue, interested parties will evaluate the scoping review using a checklist developed by Lavis (2009) [29]. This checklist, utilizing both open and closed questions, aims to explore the experience of stakeholders in deliberative dialogue, the knowledge gained, and the insights identified from the evidence synthesis. It also evaluates the participants' level of satisfaction with the deliberative dialogue and the evidence summarized in the scoping review.

Ethical aspects

The project was approved by the Ethics Committee for Research at the University of Sorocaba (number: 66993323.9.0000.5500). As the deliberative dialogue will involve human participants, a free and informed consent form will be provided in advance and completed by the research participants.

DISCUSSION

This is the first scoping review to chart screening instruments for mental disorders in PHC, involving their measurement properties and assessing bias risks. In this context, this work, employing an innovative knowledge translation methodology involving deliberative dialogue, holds the potential to assist healthcare professionals, managers, and researchers in making evidence-informed decisions regarding the implementation of validated screening instruments within PHC. Furthermore, our findings will facilitate the identification of limitations in the developed instruments, enabling the proposal of research agendas that prioritize robust psychometric studies on screening instruments for mental disorders, aiming to create instruments beneficial for clinical practice.

Although our work adhere to all methodological guidelines, potential limitations may arise due to the heterogeneity in reporting concerning the development of screening instruments for mental disorders. Consequently, reviewers may need to conduct subjective assessments to evaluate the risk of bias and categorize instruments, aligning with the guidelines outlined in the COSMIN Manual [17]. Furthermore, incomplete data, particularly concerning contextual information about these instruments within care settings, can present challenges in data extraction.

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Therefore, the methodological rigor of our scoping review, combined with the knowledge translation strategy employing deliberative dialogue, can promote the integration of scientific evidence into clinical practice and the screening of mental disorders in PHC. This will be possible through engaging interested parties and the Brazilian government, ensuring that these individuals are sensitized to the process of screening for mental disorders in Brazil's PHC. Moreover, the identified research gaps can serve as a foundation for new studies on these instruments. Additionally, utilizing COSMIN's international taxonomy and methodological recommendations can raise awareness among researchers about the effective utilization of these validated instruments for measuring outcomes in the healthcare domain [26].

AUTHOR CONTRIBUTIONS

LPNL is the principal investigator, responsible for drafting the protocol and final version. The other authors (DMSSS, JCS, MDG, CCB, JHHO and LCL) reviewed the content and provided significant edits to the final version. LCL serves as the review guarantor, offering advice on the background, contributing to protocol drafting, and revising the manuscript.

ACKNOWLEDGEMENTS

The authors wish to express their gratitude to the health evidence team at the Department of Science and Technology for their invaluable assistance in formulating the research question and devising the search strategy. Additionally, librarian Mabel Figueiró deserves appreciation for validating the search strategy and making necessary corrections.

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COMPETING INTERESTS

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297 None to declare.

298 **WORD COUNT**

299 1,723.

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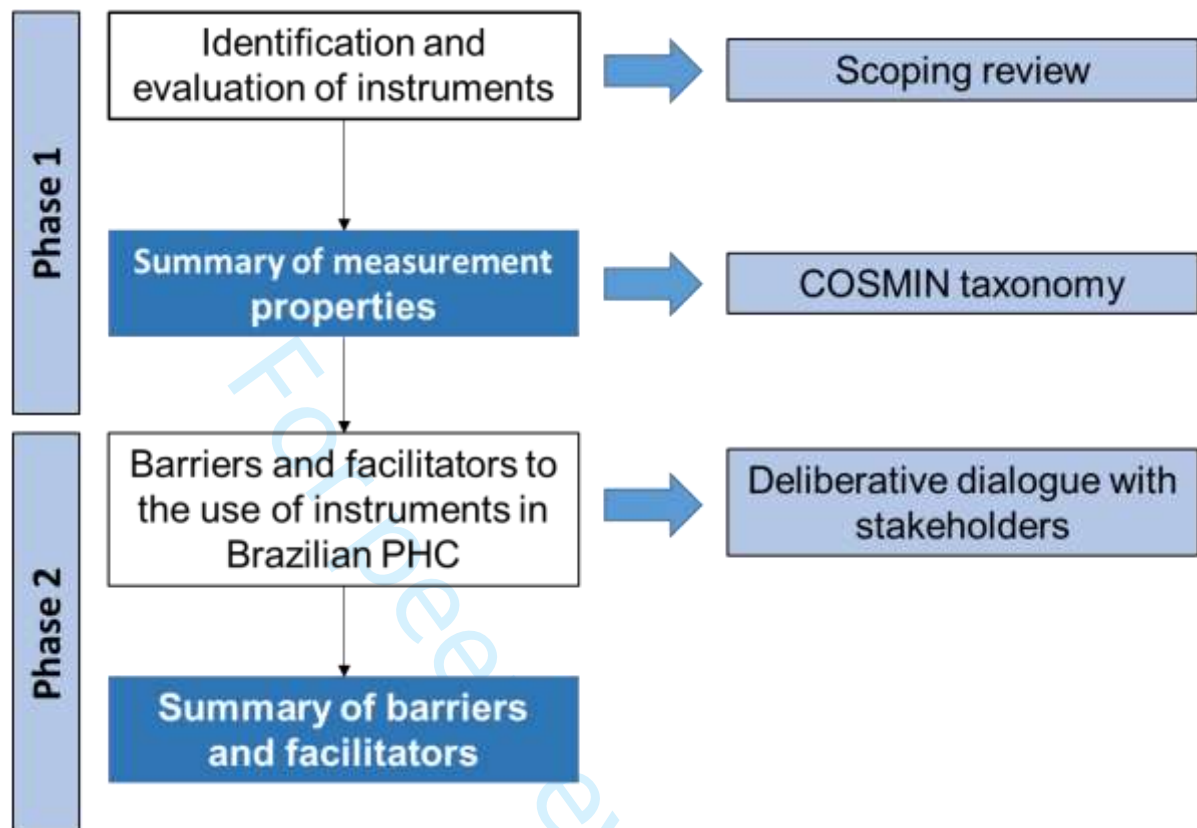
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Figure 1. Flow of conducting the scoping review



Supplementary Material 1 Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews (PRISMA-ScR) Checklist

Adapted to protocol

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
TITLE			
Title	1	Identify the report as a scoping review.	1
ABSTRACT			
Structured summary	2	Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives.	3
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach.	5-6
Objectives	4	Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives.	6
METHODS			
Protocol and registration	5	Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number.	6
Eligibility criteria	6	Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale.	6-7
Information sources*	7	Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed.	7
Search	8	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	7 and Supplementary Material 2
Selection of sources of evidence†	9	State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review.	8
Data charting process‡	10	Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators.	8
Data items	11	List and define all variables for which data were sought and any assumptions and simplifications made.	8
Critical appraisal of individual	12	If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe	8

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
sources of evidence§		the methods used and how this information was used in any data synthesis (if appropriate).	
Synthesis of results	13	Describe the methods of handling and summarizing the data that were charted.	9

JB1 = Joanna Briggs Institute; PRISMA-ScR = Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews.

* Where *sources of evidence* (see second footnote) are compiled from, such as bibliographic databases, social media platforms, and Web sites.

† A more inclusive/heterogeneous term used to account for the different types of evidence or data sources (e.g., quantitative and/or qualitative research, expert opinion, and policy documents) that may be eligible in a scoping review as opposed to only studies. This is not to be confused with *information sources* (see first footnote).

‡ The frameworks by Arksey and O'Malley (6) and Levac and colleagues (7) and the JBI guidance (4, 5) refer to the process of data extraction in a scoping review as data charting.

§ The process of systematically examining research evidence to assess its validity, results, and relevance before using it to inform a decision. This term is used for items 12 and 19 instead of "risk of bias" (which is more applicable to systematic reviews of interventions) to include and acknowledge the various sources of evidence that may be used in a scoping review (e.g., quantitative and/or qualitative research, expert opinion, and policy document).

From: Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMA-ScR): Checklist and Explanation. *Ann Intern Med*. 2018;169:467–473. doi: [10.7326/M18-0850](https://doi.org/10.7326/M18-0850).

Supplementary Material 2: Search strategies employed in each consulted database.

MEDLINE (Via Pubmed)

1. "Mental Disorder*"
2. "Psychiatric Illness*"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder*"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder*"
10. "Psychotic Disorder*"
11. Psychos*
12. "Schizoaffective Disorder*""
13. "Schizophreniform Disorder*"
14. "Brief Reactive Psychos*"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
16. "Schizophrenia, Paranoid"
17. "Paranoid Schizophrenias"
18. "Schizophrenias, Paranoid"
19. "Paranoid Schizophrenia"
20. "Delusional Disorder"
21. "Delusional Disorders"
22. "Disorder, Delusional"
23. "Disorders, Delusional"
24. "Schizophrenia, Disorganized"
25. "Disorganized Schizophrenia"
26. "Disorganized Schizophrenias"
27. "Schizophrenias, Disorganized"
28. "Hebephrenic Schizophrenia"
29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"
31. "Schizophrenia, Hebephrenic"
32. "Schizophrenia, Catatonic"
33. "Catatonic Schizophrenia"
34. "Catatonic Schizophrenias"
35. "Schizophrenias, Catatonic""
36. "Mood Disorder*"
37. "Disorder, Mood"
38. "Disorders, Mood"
39. "Affective Disorder*"
40. "Disorder, Affective"
41. "Disorders, Affective"
42. Mania*
43. "Manic State"
44. "Hypomanic Episode"
45. "Hypomanic Episodes"
46. Hypomania*
47. "Manic Episode"
48. "Episode, Manic"
49. "Manic Episodes"
50. "Bipolar Disorder"
51. "Bipolar Disorders"

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52. "Psychosis, Manic-Depressive"
53. "Psychosis, Manic Depressive"
54. "Psychoses, Manic-Depressive"
55. "Psychoses, Manic Depressive"
56. "Manic-Depressive Psychosis"
57. "Manic Depressive Psychosis"
58. "Bipolar Mood Disorder"
59. "Bipolar Mood Disorders"
60. "Disorder, Bipolar Mood"
61. "Mood Disorder, Bipolar"
62. "Affective Psychosis, Bipolar"
63. "Bipolar Affective Psychosis"
64. "Psychoses, Bipolar Affective"
65. "Psychosis, Bipolar Affective"
66. "Bipolar Disorder Type 1"
67. "Type 1 Bipolar Disorder"
68. "Manic Depression"
69. "Depression, Manic"
70. "Depressions, Manic"
71. "Depression, Bipolar"
72. "Bipolar Depression"
73. "Bipolar Disorder Type 2"
74. "Type 2 Bipolar Disorder" OR
75. "Manic Disorder"
76. "Disorder, Manic"
77. "Manic Disorders"
78. "Anxiety Disorder**"
79. "Disorder, Anxiety"
80. "Disorders, Anxiety"
81. "Neuroses, Anxiety"
82. "Anxiety Neuroses"
83. "Anxiety States, Neurotic"
84. "Anxiety State, Neurotic"
85. "Neurotic Anxiety State"
86. "Neurotic Anxiety States"
87. "State, Neurotic Anxiety"
88. "States, Neurotic Anxiety"
89. "Phobia, Social" OR "Social Phobia**"
90. "Social Evaluation Phobia"
91. "Phobia, Social Evaluation"
92. "Social Evaluation Phobias"
93. "Social Anxiety Disorder"
94. "Anxiety Disorder, Social"
95. "Disorder, Social Anxiety"
96. "Social Anxiety Disorders"
97. Sociophobia*
98. "Fear of Social Evaluation"
99. "Evaluation Fear, Social"
100. "Social Evaluation Fear"
101. "Feeding and Eating Disorders"
102. "Eating and Feeding Disorders"
103. "Feeding Disorders"
104. "Disorder, Feeding"
105. "Disorders, Feeding"
106. "Feeding Disorder"
107. "Eating Disorders"

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- 2
- 3 108. "Disorder, Eating"
- 4 109. "Disorders, Eating"
- 5 110. "Eating Disorder"
- 6 111. "Appetite Disorders"
- 7 112. "Appetite Disorder"
- 8 113. "Anorexia Nervosa"
- 9 114. "Anorexia Nervosas"
- 10 115. "Nervosa, Anorexia"
- 11 116. "Nervosas, Anorexia"
- 12 117. "Bulimia Nervosa"
- 13 118. "Nervosa, Bulimia"
- 14 119. "Substance-Related Disorder**"
- 15 120. "Disorder, Substance Related"
- 16 121. "Disorders, Substance Related"
- 17 122. "Related Disorder, Substance"
- 18 123. "Related Disorders, Substance"
- 19 124. "Drug Use Disorders"
- 20 125. "Drug Use Disorder"
- 21 126. "Disorder, Drug Use"
- 22 127. "Organic Mental Disorders, Substance-Induced"
- 23 128. "Organic Mental Disorders, Substance Induced"
- 24 129. "Substance Abuse"
- 25 130. "Abuse, Substance"
- 26 131. "Substance Abuses"
- 27 132. "Substance Dependence"
- 28 133. "Dependence, Substance"
- 29 134. "Substance Addiction"
- 30 135. "Addiction, Substance"
- 31 136. "Chemical Dependence"
- 32 137. "Chemical Dependences"
- 33 138. "Dependence, Chemical"
- 34 139. "Dependences, Chemical"
- 35 140. "Drug Dependence"
- 36 141. "Dependence, Drug"
- 37 142. "Drug Addiction"
- 38 143. "Addiction, Drug"
- 39 144. "Prescription Drug Abuse"
- 40 145. "Abuse, Prescription Drug"
- 41 146. "Drug Abuse, Prescription"
- 42 147. "Substance Use
- 43 148. Substance Uses"
- 44 149. "Use, Substance"
- 45 150. "Drug Abuse"
- 46 151. "Abuse, Drug"
- 47 152. "Drug Habituation"
- 48 153. "Habituation, Drug"
- 49 154. "Substance Use Disorders"
- 50 155. "Disorder, Substance Use"
- 51 156. "Substance Use Disorder"
- 52 157. or/1-157
- 53 158. "Mass Screening"
- 54 159. "Mass Screenings"
- 55 160. "Screening, Mass"
- 56 161. "Screenings, Mass"
- 57 162. Screening*
- 58 163. "Diagnostic Screening Programs"
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164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 AND #169 AND 170

EMBASE

1. 'Mental Disorder*'
2. 'Psychiatric Illness*'
3. 'Psychiatric* Disease'
4. 'Mental Illness'
5. 'Mental Illnesses'
6. 'Psychiatric Disorder*'
7. 'Behavior Disorders'
8. 'Psychiatric Diagnosis'
9. 'Severe Mental Disorder*'
10. 'Psychotic Disorder*'
11. Psychos*
12. 'Schizoaffective Disorder*'
13. 'Schizophreniform Disorder*'
14. 'Brief Reactive Psychos*'
15. 'Schizophrenia Spectrum and Other Psychotic Disorders'
16. 'Schizophrenia, Paranoid'
17. 'Paranoid Schizophrenias'
18. 'Schizophrenias, Paranoid'
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23. 'Disorders, Delusional'
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25. 'Disorganized Schizophrenia'
26. 'Disorganized Schizophrenias'
27. 'Schizophrenias, Disorganized'
28. 'Hebephrenic Schizophrenia'
29. 'Hebephrenic Schizophrenias'
30. 'Schizophrenias, Hebephrenic'
31. 'Schizophrenia, Hebephrenic'
32. 'Schizophrenia, Catatonic'
33. 'Catatonic Schizophrenia'
34. 'Catatonic Schizophrenias'
35. 'Schizophrenias, Catatonic'
36. 'Mood Disorder*'
37. 'Disorder, Mood'
38. 'Disorders, Mood'
39. 'Affective Disorder*'
40. 'Disorder, Affective'
41. 'Disorders, Affective'
42. Mania*
43. 'Manic State'
44. 'Hypomanic Episode'
45. 'Hypomanic Episodes'

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- 60
46. Hypomania*
47. 'Manic Episode'
48. 'Episode, Manic'
49. 'Manic Episodes'
50. 'Bipolar Disorder'
51. 'Bipolar Disorders'
52. 'Psychosis, Manic-Depressive'
53. 'Psychosis, Manic Depressive'
54. 'Psychoses, Manic-Depressive'
55. 'Psychoses, Manic Depressive'
56. 'Manic-Depressive Psychosis'
57. 'Manic Depressive Psychosis'
58. 'Bipolar Mood Disorder'
59. 'Bipolar Mood Disorders'
60. 'Disorder, Bipolar Mood'
61. 'Mood Disorder, Bipolar'
62. 'Affective Psychosis, Bipolar'
63. 'Bipolar Affective Psychosis'
64. 'Psychoses, Bipolar Affective'
65. 'Psychosis, Bipolar Affective'
66. 'Bipolar Disorder Type 1'
67. 'Type 1 Bipolar Disorder'
68. 'Manic Depression'
69. 'Depression, Manic'
70. 'Depressions, Manic'
71. 'Depression, Bipolar'
72. 'Bipolar Depression'
73. 'Bipolar Disorder Type 2'
74. 'Type 2 Bipolar Disorder' OR
75. 'Manic Disorder'
76. 'Disorder, Manic'
77. 'Manic Disorders'
78. 'Anxiety Disorder*'
79. 'Disorder, Anxiety'
80. 'Disorders, Anxiety'
81. 'Neuroses, Anxiety'
82. 'Anxiety Neuroses'
83. 'Anxiety States, Neurotic'
84. 'Anxiety State, Neurotic'
85. 'Neurotic Anxiety State'
86. 'Neurotic Anxiety States'
87. 'State, Neurotic Anxiety'
88. 'States, Neurotic Anxiety'
89. 'Phobia, Social' OR 'Social Phobia*'
90. 'Social Evaluation Phobia'
91. 'Phobia, Social Evaluation'
92. 'Social Evaluation Phobias'
93. 'Social Anxiety Disorder'
94. 'Anxiety Disorder, Social'
95. 'Disorder, Social Anxiety'
96. 'Social Anxiety Disorders'
97. Sociophobia*
98. 'Fear of Social Evaluation'
99. 'Evaluation Fear, Social'
100. 'Social Evaluation Fear'
101. 'Feeding and Eating Disorders'

102. 'Eating and Feeding Disorders'
103. 'Feeding Disorders'
104. 'Disorder, Feeding'
105. 'Disorders, Feeding'
106. 'Feeding Disorder'
107. 'Eating Disorders'
108. 'Disorder, Eating'
109. 'Disorders, Eating'
110. 'Eating Disorder'
111. 'Appetite Disorders'
112. 'Appetite Disorder'
113. 'Anorexia Nervosa'
114. 'Anorexia Nervosas'
115. 'Nervosa, Anorexia'
116. 'Nervosas, Anorexia'
117. 'Bulimia Nervosa'
118. 'Nervosa, Bulimia'
119. 'Substance-Related Disorder*'
120. 'Disorder, Substance Related'
121. 'Disorders, Substance Related'
122. 'Related Disorder, Substance'
123. 'Related Disorders, Substance'
124. 'Drug Use Disorders'
125. 'Drug Use Disorder'
126. 'Disorder, Drug Use'
127. 'Organic Mental Disorders, Substance-Induced'
128. 'Organic Mental Disorders, Substance Induced'
129. 'Substance Abuse'
130. 'Abuse, Substance'
131. 'Substance Abuses'
132. 'Substance Dependence'
133. 'Dependence, Substance'
134. 'Substance Addiction'
135. 'Addiction, Substance'
136. 'Chemical Dependence'
137. 'Chemical Dependences'
138. 'Dependence, Chemical'
139. 'Dependences, Chemical'
140. 'Drug Dependence'
141. 'Dependence, Drug'
142. 'Drug Addiction'
143. 'Addiction, Drug'
144. 'Prescription Drug Abuse'
145. 'Abuse, Prescription Drug'
146. 'Drug Abuse, Prescription'
147. 'Substance Use'
148. 'Substance Uses'
149. 'Use, Substance'
150. 'Drug Abuse'
151. 'Abuse, Drug'
152. 'Drug Habituation'
153. 'Habituation, Drug'
154. 'Substance Use Disorders'
155. 'Disorder, Substance Use'
156. 'Substance Use Disorder'
157. or/1-157

158. 'Mass Screening'
159. 'Mass Screenings'
160. 'Screening, Mass'
161. 'Screenings, Mass'
162. Screening*
163. 'Diagnostic Screening Programs'
164. 'Diagnostic Screening Program'
165. 'Program, Diagnostic Screening'
166. 'Programs, Diagnostic Screening'
167. 'Screening Program, Diagnostic'
168. 'Screening Programs, Diagnostic'
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 AND #169 AND 170

PsycINFO

1. "Mental Disorder*"
2. "Psychiatric Illness*"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder*"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder*"
10. "Psychotic Disorder*"
11. Psychos*
12. "Schizoaffective Disorder*""
13. "Schizophreniform Disorder*"
14. "Brief Reactive Psychos*"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
16. "Schizophrenia, Paranoid"
17. "Paranoid Schizophrenias"
18. "Schizophrenias, Paranoid"
19. "Paranoid Schizophrenia"
20. "Delusional Disorder"
21. "Delusional Disorders"
22. "Disorder, Delusional"
23. "Disorders, Delusional"
24. "Schizophrenia, Disorganized"
25. "Disorganized Schizophrenia"
26. "Disorganized Schizophrenias"
27. "Schizophrenias, Disorganized"
28. "Hebephrenic Schizophrenia"
29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"
31. "Schizophrenia, Hebephrenic"
32. "Schizophrenia, Catatonic"
33. "Catatonic Schizophrenia"
34. "Catatonic Schizophrenias"
35. "Schizophrenias, Catatonic""
36. "Mood Disorder*"
37. "Disorder, Mood"
38. "Disorders, Mood"
39. "Affective Disorder*"

40. "Disorder, Affective"
41. "Disorders, Affective"
42. Mania*
43. "Manic State"
44. "Hypomanic Episode"
45. "Hypomanic Episodes"
46. Hypomania*
47. "Manic Episode"
48. "Episode, Manic"
49. "Manic Episodes"
50. "Bipolar Disorder"
51. "Bipolar Disorders"
52. "Psychosis, Manic-Depressive"
53. "Psychosis, Manic Depressive"
54. "Psychoses, Manic-Depressive"
55. "Psychoses, Manic Depressive"
56. "Manic-Depressive Psychosis"
57. "Manic Depressive Psychosis"
58. "Bipolar Mood Disorder"
59. "Bipolar Mood Disorders"
60. "Disorder, Bipolar Mood"
61. "Mood Disorder, Bipolar"
62. "Affective Psychosis, Bipolar"
63. "Bipolar Affective Psychosis"
64. "Psychoses, Bipolar Affective"
65. "Psychosis, Bipolar Affective"
66. "Bipolar Disorder Type 1"
67. "Type 1 Bipolar Disorder"
68. "Manic Depression"
69. "Depression, Manic"
70. "Depressions, Manic"
71. "Depression, Bipolar"
72. "Bipolar Depression"
73. "Bipolar Disorder Type 2"
74. "Type 2 Bipolar Disorder" OR
75. "Manic Disorder"
76. "Disorder, Manic"
77. "Manic Disorders"
78. "Anxiety Disorder**"
79. "Disorder, Anxiety"
80. "Disorders, Anxiety"
81. "Neuroses, Anxiety"
82. "Anxiety Neuroses"
83. "Anxiety States, Neurotic"
84. "Anxiety State, Neurotic"
85. "Neurotic Anxiety State"
86. "Neurotic Anxiety States"
87. "State, Neurotic Anxiety"
88. "States, Neurotic Anxiety"
89. "Phobia, Social" OR "Social Phobia**"
90. "Social Evaluation Phobia"
91. "Phobia, Social Evaluation"
92. "Social Evaluation Phobias"
93. "Social Anxiety Disorder"
94. "Anxiety Disorder, Social"
95. "Disorder, Social Anxiety"

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- 2
- 3 96. "Social Anxiety Disorders"
- 4 97. Sociophobia*
- 5 98. "Fear of Social Evaluation"
- 6 99. "Evaluation Fear, Social"
- 7 100. "Social Evaluation Fear"
- 8 101. "Feeding and Eating Disorders"
- 9 102. "Eating and Feeding Disorders"
- 10 103. "Feeding Disorders"
- 11 104. "Disorder, Feeding"
- 12 105. "Disorders, Feeding"
- 13 106. "Feeding Disorder"
- 14 107. "Eating Disorders"
- 15 108. "Disorder, Eating"
- 16 109. "Disorders, Eating"
- 17 110. "Eating Disorder"
- 18 111. "Appetite Disorders"
- 19 112. "Appetite Disorder"
- 20 113. "Anorexia Nervosa"
- 21 114. "Anorexia Nervosas"
- 22 115. "Nervosa, Anorexia"
- 23 116. "Nervosas, Anorexia"
- 24 117. "Bulimia Nervosa"
- 25 118. "Nervosa, Bulimia"
- 26 119. "Substance-Related Disorder*"
- 27 120. "Disorder, Substance Related"
- 28 121. "Disorders, Substance Related"
- 29 122. "Related Disorder, Substance"
- 30 123. "Related Disorders, Substance"
- 31 124. "Drug Use Disorders"
- 32 125. "Drug Use Disorder"
- 33 126. "Disorder, Drug Use"
- 34 127. "Organic Mental Disorders, Substance-Induced"
- 35 128. "Organic Mental Disorders, Substance Induced"
- 36 129. "Substance Abuse"
- 37 130. "Abuse, Substance"
- 38 131. "Substance Abuses"
- 39 132. "Substance Dependence"
- 40 133. "Dependence, Substance"
- 41 134. "Substance Addiction"
- 42 135. "Addiction, Substance"
- 43 136. "Chemical Dependence"
- 44 137. "Chemical Dependences"
- 45 138. "Dependence, Chemical"
- 46 139. "Dependences, Chemical"
- 47 140. "Drug Dependence"
- 48 141. "Dependence, Drug"
- 49 142. "Drug Addiction"
- 50 143. "Addiction, Drug"
- 51 144. "Prescription Drug Abuse"
- 52 145. "Abuse, Prescription Drug"
- 53 146. "Drug Abuse, Prescription"
- 54 147. "Substance Use"
- 55 148. "Substance Uses"
- 56 149. "Use, Substance"
- 57 150. "Drug Abuse"
- 58 151. "Abuse, Drug"
- 59
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152. "Drug Habituation"
153. "Habituation, Drug"
154. "Substance Use Disorders"
155. "Disorder, Substance Use"
156. "Substance Use Disorder"
157. or/1-157
158. "Mass Screening"
159. "Mass Screenings"
160. "Screening, Mass"
161. "Screenings, Mass"
162. Screening*
163. "Diagnostic Screening Programs"
164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 AND #169 AND 170

LILACS

1. "Transtornos Mentais"
2. "Diagnóstico Psiquiátrico"
3. "Distúrbios Psiquiátricos"
4. "Doença Mental"
5. "Doença Psiquiátrica"
6. "Doenças Psiquiátricas"
7. Insanidade
8. "Transtorno do Comportamento"
9. "Transtornos do Comportamento"
10. "Transtornos Mentais Graves"
11. "Transtornos Mentais Severos"
12. "Transtornos Psiquiátricos"
13. "Trastornos Mentales"
14. "Enfermedad Mental"
15. "Enfermedad Psiquiátrica"
16. "Enfermedades Psiquiátricas"
17. Insanidad
18. "Transtornos Mentales Severos"
19. "Trastorno del Comportamiento"
20. "Trastorno Mental"
21. "Trastornos del Comportamiento"
22. "Trastornos Mentales Graves"
23. "Trastornos Psiquiátricos"
24. "Mental Disorder*"
25. "Psychiatric Illness*"
26. "Psychiatric* Disease"
27. "Mental Illness"
28. "Mental Illnesses"
29. "Psychiatric Disorder*"
30. "Behavior Disorders"
31. "Psychiatric Diagnosis"
32. "Severe Mental Disorder*"
33. "Psychotic Disorder*"

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- 3 34. Psychos*
- 4 35. "Schizoaffective Disorder*""
- 5 36. "Schizophreniform Disorder*"
- 6 37. "Brief Reactive Psychos*"
- 7 38. "Schizophrenia Spectrum and Other Psychotic Disorders"
- 8 39. "Schizophrenia, Paranoid"
- 9 40. "Paranoid Schizophrenias"
- 10 41. "Schizophrenias, Paranoid"
- 11 42. "Paranoid Schizophrenia"
- 12 43. "Delusional Disorder"
- 13 44. "Delusional Disorders"
- 14 45. "Disorder, Delusional"
- 15 46. "Disorders, Delusional"
- 16 47. "Schizophrenia, Disorganized"
- 17 48. "Disorganized Schizophrenia"
- 18 49. "Disorganized Schizophrenias"
- 19 50. "Schizophrenias, Disorganized"
- 20 51. "Hebephrenic Schizophrenia"
- 21 52. "Hebephrenic Schizophrenias"
- 22 53. "Schizophrenias, Hebephrenic"
- 23 54. "Schizophrenia, Hebephrenic"
- 24 55. "Schizophrenia, Catatonic"
- 25 56. "Catatonic Schizophrenia"
- 26 57. "Catatonic Schizophrenias"
- 27 58. "Schizophrenias, Catatonic*""
- 28 59. "Transtornos Psicóticos"
- 29 60. "Psicose Reativa Breve"
- 30 61. Psicoses
- 31 62. "Transtorno Esquizaofetivo"
- 32 63. "Transtornos Esquizofreniformes"
- 33 64. "Espectro da Esquizofrenia e Outros Transtornos Psicóticos"
- 34 65. "Esquizofrenia e Transtornos com Características Psicóticas"
- 35 66. "Esquizofrenia Paranoide"
- 36 67. "Transtorno Delirante"
- 37 68. "Esquizofrenia Hebefrênica"
- 38 69. "Esquizofrenia Catatônica"
- 39 70. "Trastornos Psicóticos"
- 40 71. Psicosis OR "Psicosis Reactiva Breve"
- 41 72. "Trastorno Esquizaofectivo"
- 42 73. "Trastornos Esquizofreniformes"
- 43 74. "Esquizofrenia Hebefrénica"
- 44 75. "Esquizofrenia Catatónica"
- 45 76. "Mood Disorder*"
- 46 77. "Disorder, Mood"
- 47 78. "Disorders, Mood"
- 48 79. "Affective Disorder*"
- 49 80. "Disorder, Affective"
- 50 81. "Disorders, Affective"
- 51 82. Mania*
- 52 83. "Manic State"
- 53 84. "Hypomanic Episode"
- 54 85. "Hypomanic Episodes"
- 55 86. Hypomania*
- 56 87. "Manic Episode"
- 57 88. "Episode, Manic"
- 58 89. "Manic Episodes"
- 59
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90. "Bipolar Disorder"
91. "Bipolar Disorders"
92. "Psychosis, Manic-Depressive"
93. "Psychosis, Manic Depressive"
94. "Psychoses, Manic-Depressive"
95. "Psychoses, Manic Depressive"
96. "Manic-Depressive Psychosis"
97. "Manic Depressive Psychosis"
98. "Bipolar Mood Disorder"
99. "Bipolar Mood Disorders"
100. "Disorder, Bipolar Mood"
101. "Mood Disorder, Bipolar"
102. "Affective Psychosis, Bipolar"
103. "Bipolar Affective Psychosis"
104. "Psychoses, Bipolar Affective"
105. "Psychosis, Bipolar Affective"
106. "Bipolar Disorder Type 1"
107. "Type 1 Bipolar Disorder"
108. "Manic Depression"
109. "Depression, Manic"
110. "Depressions, Manic"
111. "Depression, Bipolar"
112. "Bipolar Depression"
113. "Bipolar Disorder Type 2"
114. "Type 2 Bipolar Disorder" OR
115. "Manic Disorder"
116. "Disorder, Manic"
117. "Manic Disorders"
118. "Transtornos do Humor"
119. "Transtornos Afetivos"
120. "Trastornos del Humor"
121. Mania
122. "Episódio Hipomaniaco"
123. "Episódio Maníaco"
124. "Estado Maníaco"
125. "Estado de Loucura"
126. hipomania
127. "episodio hipomaniaco"
128. "episodio maníaco"
129. "estado maníaco"
130. "hipomanía"
131. "Anxiety Disorder**"
132. "Disorder, Anxiety"
133. "Disorders, Anxiety"
134. "Neuroses, Anxiety"
135. "Anxiety Neuroses"
136. "Anxiety States, Neurotic"
137. "Anxiety State, Neurotic"
138. "Neurotic Anxiety State"
139. "Neurotic Anxiety States"
140. "State, Neurotic Anxiety"
141. "States, Neurotic Anxiety"
142. "Phobia, Social" OR "Social Phobia**"
143. "Social Evaluation Phobia"
144. "Phobia, Social Evaluation"
145. "Social Evaluation Phobias"

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3	146.	"Social Anxiety Disorder"
4	147.	"Anxiety Disorder, Social"
5	148.	"Disorder, Social Anxiety"
6	149.	"Social Anxiety Disorders"
7	150.	Sociophobia*
8	151.	"Transtornos de Ansiedade"
9	152.	"Distúrbios de Ansiedade"
10	153.	"Estados de Ansiedade Neurótica"
11	154.	"Neurose de Ansiedade"
12	155.	"Transtornos Ansiosos"
13	156.	"Transtornos de Angústia"
14	157.	Agorafobia
15	158.	Demofobia
16	159.	Enoclofobia
17	160.	"Fobia de Espaços Abertos"
18	161.	"Fobia de Multidão"
19	162.	"Fobia de Mutidões"
20	163.	Oclofobia*
21	164.	"Transtorno de Pânico"
22	165.	"Ataques de Pânico"
23	166.	"trastornos de ansiedad"
24	167.	"estados de ansiedad neuróticos"
25	168.	"neurosis de ansiedad"
26	169.	"fobia a las multitudes"
27	170.	"fobia a los espacios abiertos"
28	171.	"trastorno de pánico"
29	172.	"ataques de pánico"
30	173.	"Fear of Social Evaluation"
31	174.	"Evaluation Fear, Social"
32	175.	"Social Evaluation Fear"
33	176.	"Feeding and Eating Disorders"
34	177.	"Eating and Feeding Disorders"
35	178.	"Feeding Disorders"
36	179.	"Disorder, Feeding"
37	180.	"Disorders, Feeding"
38	181.	"Feeding Disorder"
39	182.	"Eating Disorders"
40	183.	"Disorder, Eating"
41	184.	"Disorders, Eating"
42	185.	"Eating Disorder"
43	186.	"Appetite Disorders"
44	187.	"Appetite Disorder"
45	188.	"Anorexia Nervosa"
46	189.	"Anorexia Nervosas"
47	190.	"Nervosa, Anorexia"
48	191.	"Nervosas, Anorexia"
49	192.	"Bulimia Nervosa"
50	193.	"Nervosa, Bulimia"
51	194.	"Transtornos da Alimentação"
52	195.	"Transtornos da Ingestão de Alimentos"
53	196.	"Transtornos do Apetite"
54	197.	"Transtorno da Compulsão Alimentar"
55	198.	"Compulsão Alimentar"
56	199.	"Anorexia Nervosa"
57	200.	"Bulimia Nervosa"
58	201.	"Trastornos de Alimentación y de la Ingestión de Alimentos"

202. "Trastorno Alimentario"
203. "Trastornos Alimentarios"
204. "Trastornos Alimentarios y de la Ingestión de Alimentos"
205. "Trastornos de Alimentación"
206. "Trastornos de la Conducta Alimentaria"
207. "Trastornos de la Ingesta de Alimentos"
208. "Trastornos de la Ingestión de Alimentos"
209. "Trastornos del Apetito"
210. "Trastorno por Atracón"
211. "trastorno de hiperfagia compulsiva"
212. "trastorno de atracones"
213. "Anorexia Nerviosa"
214. "anorexia nerviosa"
215. "Bulimia Nerviosa"
216. "Substance-Related Disorder**"
217. "Disorder, Substance Related"
218. "Disorders, Substance Related"
219. "Related Disorder, Substance"
220. "Related Disorders, Substance"
221. "Drug Use Disorders"
222. "Drug Use Disorder"
223. "Disorder, Drug Use"
224. "Organic Mental Disorders, Substance-Induced"
225. "Organic Mental Disorders, Substance Induced"
226. "Substance Abuse"
227. "Abuse, Substance"
228. "Substance Abuses"
229. "Substance Dependence"
230. "Dependence, Substance"
231. "Substance Addiction"
232. "Addiction, Substance"
233. "Chemical Dependence"
234. "Chemical Dependences"
235. "Dependence, Chemical"
236. "Dependences, Chemical"
237. "Drug Dependence"
238. "Dependence, Drug"
239. "Drug Addiction"
240. "Addiction, Drug"
241. "Prescription Drug Abuse"
242. "Abuse, Prescription Drug"
243. "Drug Abuse, Prescription"
244. "Substance Use"
245. "Substance Uses"
246. "Use, Substance"
247. "Drug Abuse"
248. "Abuse, Drug"
249. "Drug Habituation"
250. "Habituation, Drug"
251. "Substance Use Disorders"
252. "Disorder, Substance Use"
253. "Substance Use Disorder"
254. "Transtornos Relacionados ao Uso de Substâncias"
255. "Abuso de Drogas"
256. "Abuso de Medicamentos sob Prescrição"
257. "Abuso de Substâncias"

258. "Abuso de Substâncias Psicoativas"
259. "Abuso de Substâncias que Produzem Dependência"
260. "Abuso de Substâncias que não Produzem Dependência"
261. "Adição a Drogas"
262. "Dependência Física de Substâncias"
263. "Dependência Psíquica de Substâncias"
264. "Dependência Química"
265. "Dependência de Agentes Químicos"
266. "Dependência de Drogas"
267. "Dependência de Substâncias"
268. "Dependência de Substâncias Psicoativas"
269. Drogadicção
270. Drogadição
271. Farmacodependência
272. "Habituação a Drogas"
273. Toxicomania
274. "Transtorno Relacionado ao Uso de Substâncias"
275. "Transtornos Induzidos por Uso de Substâncias"
276. "Transtornos Mentais Orgânicos Induzidos por Substâncias"
277. "Transtornos Mentais Orgânicos Induzidos por Substâncias Psicoativas"
278. "Transtornos Relacionados ao Uso de Substâncias Psicoativas"
279. "Transtornos por Uso de Drogas"
280. "Transtornos por Uso de Substâncias"
281. "Transtornos por Uso de Substâncias Psicoativas"
282. "Uso Indevido de Drogas"
283. "Uso Indevido de Substâncias"
284. "Uso de Substâncias"
285. "Trastornos Relacionados con Sustancias"
286. "adicción a sustancias"
287. drogadicción
288. drogodependencia
289. "habituación a drogas"
290. "habituación a sustancias"
291. "trastorno por consumo de sustancias"
292. "trastorno relacionado con sustancias"
293. "trastornos inducidos por consumo de sustancias"
294. "trastornos inducidos por uso de sustancias"
295. "trastornos mentales orgánicos inducidos por sustancias"
296. "trastornos por consumo de drogas"
297. "trastornos por consumo de sustancias"
298. "trastornos por consumo de sustancias psicoactivas"
299. "trastornos por uso de drogas"
300. "trastornos por uso de sustancias"
301. "trastornos por uso de sustancias psicoactivas"
302. "trastornos relacionados con el consumo de sustancias psicoactivas"
303. "trastornos relacionados con el uso de sustancias psicoactivas"
304. or/1-303
305. "Mass Screening"
306. "Mass Screenings"
307. "Screening, Mass"
308. "Screenings, Mass"
309. Screening*
310. "Diagnostic Screening Programs"
311. "Diagnostic Screening Program"
312. "Program, Diagnostic Screening"
313. "Programs, Diagnostic Screening"

314. "Screening Program, Diagnostic"
315. "Screening Programs, Diagnostic"
316. "Programas de Rastreamento"
317. "Exame Coletivo"
318. "Identificação Sistemática"
319. "Programas de Triagem Diagnóstica"
320. Rastreamento
321. Rastreio
322. "Triagem de Massa"
323. "Tamizaje Masivo"
324. "cribado sistemático"
325. cribado "cribado masivo"
326. "detección selectiva"
327. "detección sistemática"
328. "examen colectivo"
329. "identificación sistemática"
330. screening OR "screening masivo"
331. "Programas de Detección Diagnóstica"
332. "programas de cribado diagnóstico"
333. "programa de cribado diagnóstico"
334. or/305-333
335. COSMIN filter for identifying studies on the development of health measurement instruments
336. #304 AND #334 AND 335

CINAHL

1. "Mental Disorder*"
2. "Psychiatric Illness*"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder*"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder*"
10. "Psychotic Disorder*"
11. Psychos*
12. "Schizoaffective Disorder*"
13. "Schizophreniform Disorder*"
14. "Brief Reactive Psychos*"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
16. "Schizophrenia, Paranoid"
17. "Paranoid Schizophrenias"
18. "Schizophrenias, Paranoid"
19. "Paranoid Schizophrenia"
20. "Delusional Disorder"
21. "Delusional Disorders"
22. "Disorder, Delusional"
23. "Disorders, Delusional"
24. "Schizophrenia, Disorganized"
25. "Disorganized Schizophrenia"
26. "Disorganized Schizophrenias"
27. "Schizophrenias, Disorganized"
28. "Hebephrenic Schizophrenia"
29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"

31. "Schizophrenia, Hebephrenic"
32. "Schizophrenia, Catatonic"
33. "Catatonic Schizophrenia"
34. "Catatonic Schizophrenias"
35. "Schizophrenias, Catatonic"
36. "Mood Disorder"
37. "Disorder, Mood"
38. "Disorders, Mood"
39. "Affective Disorder"
40. "Disorder, Affective"
41. "Disorders, Affective"
42. Mania*
43. "Manic State"
44. "Hypomanic Episode"
45. "Hypomanic Episodes"
46. Hypomania*
47. "Manic Episode"
48. "Episode, Manic"
49. "Manic Episodes"
50. "Bipolar Disorder"
51. "Bipolar Disorders"
52. "Psychosis, Manic-Depressive"
53. "Psychosis, Manic Depressive"
54. "Psychoses, Manic-Depressive"
55. "Psychoses, Manic Depressive"
56. "Manic-Depressive Psychosis"
57. "Manic Depressive Psychosis"
58. "Bipolar Mood Disorder"
59. "Bipolar Mood Disorders"
60. "Disorder, Bipolar Mood"
61. "Mood Disorder, Bipolar"
62. "Affective Psychosis, Bipolar"
63. "Bipolar Affective Psychosis"
64. "Psychoses, Bipolar Affective"
65. "Psychosis, Bipolar Affective"
66. "Bipolar Disorder Type 1"
67. "Type 1 Bipolar Disorder"
68. "Manic Depression"
69. "Depression, Manic"
70. "Depressions, Manic"
71. "Depression, Bipolar"
72. "Bipolar Depression"
73. "Bipolar Disorder Type 2"
74. "Type 2 Bipolar Disorder" OR
75. "Manic Disorder"
76. "Disorder, Manic"
77. "Manic Disorders"
78. "Anxiety Disorder"
79. "Disorder, Anxiety"
80. "Disorders, Anxiety"
81. "Neuroses, Anxiety"
82. "Anxiety Neuroses"
83. "Anxiety States, Neurotic"
84. "Anxiety State, Neurotic"
85. "Neurotic Anxiety State"
86. "Neurotic Anxiety States"

87. "State, Neurotic Anxiety"
88. "States, Neurotic Anxiety"
89. "Phobia, Social" OR "Social Phobia"
90. "Social Evaluation Phobia"
91. "Phobia, Social Evaluation"
92. "Social Evaluation Phobias"
93. "Social Anxiety Disorder"
94. "Anxiety Disorder, Social"
95. "Disorder, Social Anxiety"
96. "Social Anxiety Disorders"
97. Sociophobia*
98. "Fear of Social Evaluation"
99. "Evaluation Fear, Social"
100. "Social Evaluation Fear"
101. "Feeding and Eating Disorders"
102. "Eating and Feeding Disorders"
103. "Feeding Disorders"
104. "Disorder, Feeding"
105. "Disorders, Feeding"
106. "Feeding Disorder"
107. "Eating Disorders"
108. "Disorder, Eating"
109. "Disorders, Eating"
110. "Eating Disorder"
111. "Appetite Disorders"
112. "Appetite Disorder"
113. "Anorexia Nervosa"
114. "Anorexia Nervosas"
115. "Nervosa, Anorexia"
116. "Nervosas, Anorexia"
117. "Bulimia Nervosa"
118. "Nervosa, Bulimia"
119. "Substance-Related Disorder"
120. "Disorder, Substance Related"
121. "Disorders, Substance Related"
122. "Related Disorder, Substance"
123. "Related Disorders, Substance"
124. "Drug Use Disorders"
125. "Drug Use Disorder"
126. "Disorder, Drug Use"
127. "Organic Mental Disorders, Substance-Induced"
128. "Organic Mental Disorders, Substance Induced"
129. "Substance Abuse"
130. "Abuse, Substance"
131. "Substance Abuses"
132. "Substance Dependence"
133. "Dependence, Substance"
134. "Substance Addiction"
135. "Addiction, Substance"
136. "Chemical Dependence"
137. "Chemical Dependences"
138. "Dependence, Chemical"
139. "Dependences, Chemical"
140. "Drug Dependence"
141. "Dependence, Drug"
142. "Drug Addiction"

143. "Addiction, Drug"
144. "Prescription Drug Abuse"
145. "Abuse, Prescription Drug"
146. "Drug Abuse, Prescription"
147. "Substance Use
148. Substance Uses"
149. "Use, Substance"
150. "Drug Abuse"
151. "Abuse, Drug"
152. "Drug Habituation"
153. "Habituation, Drug"
154. "Substance Use Disorders"
155. "Disorder, Substance Use"
156. "Substance Use Disorder"
157. or/1-157
158. "Mass Screening"
159. "Mass Screenings"
160. "Screening, Mass"
161. "Screenings, Mass"
162. Screening*
163. "Diagnostic Screening Programs"
164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement
instruments
171. #157 AND #169 AND 170

COSMIN filter

(instrumentation[sh] OR methods[sh] OR "Validation Studies"[pt] OR "Comparative Study"[pt]
OR "psychometrics"[MeSH] OR psychometr*[tiab] OR clinimetr*[tw] OR clinometr*[tw] OR
"outcome assessment (health care)"[MeSH] OR "outcome assessment"[tiab] OR "outcome
measure*" [tw] OR "observer variation"[MeSH] OR "observer variation"[tiab] OR "Health Status
Indicators"[MeSH] OR "reproducibility of results"[MeSH] OR reproducib*[tiab] OR "discriminant
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variation"[tiab] OR coefficient[tiab] OR homogeneity[tiab] OR homogeneous[tiab] OR "internal
consistency"[tiab] OR (cronbach*[tiab] AND (alpha[tiab] OR alphas[tiab])) OR (item[tiab] AND
(correlation*[tiab] OR selection*[tiab] OR reduction*[tiab])) OR agreement[tw] OR precision[tw]
OR imprecision[tw] OR "precise values"[tw] OR test-retest[tiab] OR (test[tiab] AND retest[tiab])
OR (reliab*[tiab] AND (test[tiab] OR retest[tiab])) OR stability[tiab] OR interrater[tiab] OR inter-
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intraindividual[tiab] OR intra-individual[tiab] OR interparticipant[tiab] OR inter-participant[tiab]
OR intraparticipant[tiab] OR intra-participant[tiab] OR kappa[tiab] OR kappa's[tiab] OR
kappas[tiab] OR repeatab*[tw] OR ((replicab*[tw] OR repeated[tw]) AND (measure[tw] OR
measures[tw] OR findings[tw] OR result[tw] OR results[tw] OR test[tw] OR tests[tw])) OR
generaliza*[tiab] OR generalisa*[tiab] OR concordance[tiab] OR (intraclass[tiab] AND

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correlation*[tiab]) OR discriminative[tiab] OR "known group"[tiab] OR "factor analysis"[tiab] OR "factor analyses"[tiab] OR "factor structure"[tiab] OR "factor structures"[tiab] OR dimension*[tiab] OR subscale*[tiab] OR (multitrait[tiab] AND scaling[tiab] AND (analysis[tiab] OR analyses[tiab])) OR "item discriminant"[tiab] OR "interscale correlation*" [tiab] OR error[tiab] OR errors[tiab] OR "individual variability"[tiab] OR "interval variability"[tiab] OR "rate variability"[tiab] OR (variability[tiab] AND (analysis[tiab] OR values[tiab])) OR (uncertainty[tiab] AND (measurement[tiab] OR measuring[tiab])) OR "standard error of measurement"[tiab] OR sensitiv*[tiab] OR responsive*[tiab] OR (limit[tiab] AND detection[tiab]) OR "minimal detectable concentration"[tiab] OR interpretab*[tiab] OR ((minimal[tiab] OR minimally[tiab] OR clinical[tiab] OR clinically[tiab]) AND (important[tiab] OR significant[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR (small*[tiab] AND (real[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR "meaningful change"[tiab] OR "ceiling effect"[tiab] OR "floor effect"[tiab] OR "Item response model"[tiab] OR IRT[tiab] OR Rasch[tiab] OR "Differential item functioning"[tiab] OR DIF[tiab] OR "computer adaptive testing"[tiab] OR "item bank"[tiab] OR "cross-cultural equivalence"[tiab])

#4 exclusie

NOT ('delphi-technique'[ti] OR cross-sectional[ti] OR "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development conference"[Publication Type] OR "consensus development conference, nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms])

BMJ Open

Screening Instruments for Mental Disorders in Primary Health Care: a scoping review protocol (SCREENING-MD)

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Manuscript ID	bmjopen-2024-084612.R2
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Keywords:	Primary Health Care, MENTAL HEALTH, Mass Screening

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Screening Instruments for Mental Disorders in Primary Health Care: a scoping review protocol (SCREENING-MD)

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ABSTRACT

Introduction: When mental disorders go undetected until later stages, they can result in poorer health outcomes for patients. Primary Health Care (PHC) stands as a strategic setting for the early identification and management of these mental disorders, given its role as the primary care environment for health service users. This scoping review has the objective of mapping and assessing screening instruments validated for mental disorders that are applicable in PHC, particularly regarding their measurement properties.

Methods and Analysis: This scoping review will include studies that have developed and validated screening instruments for mental disorders in the PHC context, irrespective of the age group. Searches will be conducted in Medline, Embase, Lilacs, CINAHL, and PsycINFO, without imposing restrictions on publication status, publication year, or language. Additionally, we will scrutinize the references cited in the selected studies. Our inclusion criteria encompass studies examining any measurement property recommended by the Consensus-based Standards for the selection of health Measurement Instruments (COSMIN) taxonomy. The selection process, data extraction, and quality assessment of studies will be performed independently by pairs of reviewers. To evaluate the risk of bias within the selected studies, we will employ the COSMIN Risk of Bias 2 tools. The collected data will undergo analysis using descriptive statistics and will be presented in an evidence gap map format for each specific mental disorder.

Ethics and dissemination: The findings from this review will be discussed through deliberative dialogue with stakeholders and disseminated through peer-reviewed publications and conference presentations. The project was approved by the Ethics Committee for Research at the University of Sorocaba (number: 66993323.9.0000.5500).

Protocol Registration: Open Science Framework – 10.17605/OSF.IO/Z6T5M

Keywords: Mental Disorders. Primary Health Care. Screening. Scoping Review.

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STRENGTHS AND LIMITATIONS OF THIS STUDY

- This scoping review will employ systematic procedures based on important methodological guidelines such as those provided by the Joanna Briggs Institute and the Consensus-based Standards for the Selection of Health Measurement Instruments (COSMIN);
- Stakeholders were involved in the development of this study protocol;
- This review will include only screening instruments for mental disorders that are validated and published in the indexed literature;
- Heterogeneous reporting in psychometric studies and instances of missing data might restrict the outcomes of this study.

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INTRODUCTION

One out of every eight individuals worldwide has received a diagnosis of a mental disorder, amounting to 970 million people [1]. In 2020, the estimates surged by over 20%, primarily for anxiety and depressive disorders, due to the impact of the COVID-19 pandemic [1]. Currently, even after the pandemic, statistics on mental disorders remain high [2]. The significant global prevalence of these and other mental disorders, such as eating disorders [3], substance use disorders [4], and psychotic disorders [5], has mobilized important research agendas for appropriate screening and identification [6]. Despite the existence of treatment options for these conditions, their recognition remains challenging, primarily due to stigma, insufficient professional training, and a shortage of validated screening instruments [7].

Primary Health Care (PHC) serves as the primary entry point into health systems, typically where patients seek care most often, playing a crucial role in ensuring universal healthcare, accessible, and equitable for the population [8,9]. When it comes to mental health, PHC has been instrumental in reducing the stigma and discrimination associated with mental disorders, enhancing healthcare access, reducing the long-term impact of mental disorders, and promoting social integration [10]. As a result, PHC stands as a vital setting for the implementation of mental disorder screening.

Screening for mental disorders in PHC has been encouraged because late identification leads to poorer health outcomes [11]. It's important to note, however, that PHC lacks systematic methods for tracking mental disorders, leading to inaccuracies in results primarily due to missed or incorrect diagnoses, owing to the complexity of mental disorders [12,13]. Screening for mental disorders in primary care environments, when conducted, is often done subjectively and without a systematic process, lacking the use of validated instruments and professional training. This observation was made in a qualitative study by Loeb and colleagues, based on the perspective of primary care medical professionals. This finding was further corroborated by the study conducted by Rogers and collaborators (2021), who also noted the scarcity of systematized screening processes incorporating validated strategies [12,13]. Therefore,

114 implementing suitable instruments is the initial step towards integrating mental
115 disorder screening into the existing PHC services.

116 Instruments that are validated and consistent are crucial for the implementation
117 of screening in PHC. In recent years, many screening instruments for mental
118 disorders have been developed, but little is known about the measurement
119 properties that have been evaluated [14]. Moreover, when it comes to low- and
120 middle-income countries, there are concerns about whether the development
121 process of these instruments is suitable for this population. A recent systematic
122 review recommended that the instruments designed for screening mental
123 disorders are validated in local contexts, and these validations leave gaps in the
124 applicability of these instruments in other countries, particularly those with low
125 and middle incomes [15].

126 This scoping review has the objective of both mapping and assessing screening
127 instruments for mental disorders that are applicable in PHC, particularly regarding
128 their measurement properties.

129 **METHODS**

130 **Study design and registry**

131 **Figure 1** illustrates the steps to be undertaken in this scoping review. Our scoping
132 review will adhere to the guidelines by Joanna Briggs and the Consensus-based
133 Standards for the selection of health Measurement Instruments (COSMIN)
134 systematic reviews manual [16,17]. The study's protocol is accessible on the
135 Open Science Framework [18]. The protocol was documented following the
136 Preferred Reporting Items for Systematic Reviews and Meta-Analyses extension
137 for Scoping Reviews (PRISMA-ScR) Checklist (adapted for protocol)
138 (**Supplementary Material 1**) [19]. This study will begin in July 2024 and end in
139 September 2025.

140 **[Figure 1. Flow of conducting the scoping review]**

141 **Eligibility criteria**

142 The research question was structured following the key components typically
143 used in reviews of health measurement instruments [17], including:

Construct

We will consider studies that primarily focus on the screening of specific mental disorders, including eating disorders (ICD F50), anxiety disorders (ICD F40-41), mood disorders (ICD F30-39), substance use disorders (ICD F10-19), and psychotic disorders (ICD F20-29). These disorders were selected due to their higher prevalence.

Population

We will include studies involving individuals of various age groups, genders, and geographic locations who exhibit one or more risk factors for mental disorders, including eating disorders (ICD F50), anxiety disorders (ICD F40-41), mood disorders (ICD F30-39), substance use disorders (ICD F10-19), and psychotic disorders (ICD F20-29).

Types of Instruments and Measurement Properties of Interest

Studies will be considered without restrictions on the specific measurement property under examination or the method of administration. We will only include studies focused on instrument development (methodological studies); studies that just utilized the instrument will be excluded. Multidimensional instruments will also be eligible for inclusion.

Context

Only studies conducted in PHC settings will be included, considering primary care environments and population health levels [20]. As a result, instruments developed and validated for specialized care or psychiatric inpatient settings will be excluded.

Information Sources

The consulted databases will be MEDLINE (via PubMed), Embase, Lilacs (via Virtual Health Library Portal), PsycINFO, and CINAHL. Other information sources will also be consulted, including the reference lists of included studies. No restrictions on language or year of publication will be applied. If necessary, specialized translation services will be consulted for languages that are not readable by the team.

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Search Strategy

To validate the search strategy, double-checking will be conducted using Peer Review of Electronic Search Strategies (PRESS) [21]. A specialized librarian will validate it, and modifications will be made if necessary. **Supplementary Material 2** describes the search strategy for each information source. Given the substantial volume of studies on screening instruments for mental disorders, we applied a developed and validated methodological filter to identify instruments [22].

Study selection and data extraction

The selection process will involve pairs of reviewers, resolving any disagreements through consensus. This process will occur in two stages: initially screening based on title and abstract, followed by the assessment of full-text articles using Rayyan software (Step 1) and Microsoft Excel 2016 (Step 2) [23]. Reviewer calibration will precede the selection process, which includes the initial assessment of at least 50 randomly chosen titles and abstracts in the first stage, followed by at least 10 full-text articles. This process will continue until the standardization of included and excluded studies is achieved. The overlapping of articles from the calibration exercise between reviewers will be adopted to assess the reliability of the team [24,25]. A reviewer will be considered qualified if they accurately select at least 75% of the calibration set, as recommended in the manuals [16].

The data extraction process will similarly involve two independent reviewers, and the calibration will follow a process akin to that previously described for selection. At this stage, within an Excel spreadsheet, reviewers will extract the following information:

- Part 1. Study characteristics: author, year, country, number of participants; number and percentage of female participants; average or median age and age range; and whether the instrument was designed for use in primary care (yes/no);
- Part 2. Characteristics of the instruments: name of the instrument; acronym or abbreviation of the instrument; method of administration; administration time; number of items; number of dimensions; whether cross-cultural adaptation was performed (yes/no), if yes, specify the culture.

Part 3. Measurement properties: Studies will be categorized based on the measurement properties outlined in the COSMIN taxonomy [26]. This taxonomy categorizes studies according to the following properties: reliability, validity, responsiveness, and interpretability.

Risk of bias

The risk of bias assessment will be conducted using the COSMIN Risk of Bias checklist tool, which evaluates instruments based on their measurement properties [27, 28]. The COSMIN Risk of Bias checklist tool assesses instruments based on the methodological quality of the psychometric steps conducted in the studies. In other words, when we utilize the COSMIN Risk of Bias checklist tool to assess studies, we inherently appraise the psychometric properties of the instrument. While it was primarily developed for Patient-Reported Outcome Measures (PROM), it can also be employed for other psychometric instruments [27]. Two reviewers will independently conduct the assessment, and any discrepancies will be resolved through consensus.

Data synthesis

The data will be analyzed using descriptive statistics via Stata (version 14.2) software. For better visualization, the results will be presented in bubble and heat maps, categorizing them based on the methodological quality of instrument development and the assessed measurement properties.

PATIENT AND PUBLIC INVOLVEMENT

We will conduct a deliberative dialogue with stakeholders to discuss barriers and facilitators for implementing screening in PHC. A convenience sample of public health professionals working in primary care, representatives from the Brazilian Ministry of Health, and researchers will be recruited via email. The deliberative dialogue will be held virtually, following the recommendations outlined in the SUPPORT tools [29].

A plain language summary of the scoping review will be disseminated to interested parties 15 days before the dialogue. The organization of the deliberative dialogue will be as follows: the initial 15 minutes of the dialogue will focus on presenting a thorough overview of the scoping review findings.

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Subsequently, discussions will revolve around barriers, facilitators, and the utilization of screening instruments in PHC in Brazil. After the deliberative dialogue, interested parties will evaluate the scoping review using a checklist developed by Lavis (2009) [29]. This checklist, utilizing both open and closed questions, aims to explore the experience of stakeholders in deliberative dialogue, the knowledge gained, and the insights identified from the evidence synthesis. It also evaluates the participants' level of satisfaction with the deliberative dialogue and the evidence summarized in the scoping review.

ETHICS AND DISSEMINATION

The project was approved by the Ethics Committee for Research at the University of Sorocaba (number: 66993323.9.0000.5500). As the deliberative dialogue will involve human participants, a free and informed consent form will be provided in advance and completed by the research participants. This study's preliminary and final results will be presented at conferences related to the topic and at seminars organized by the Brazilian Ministry of Health.

DISCUSSION

This is the first scoping review to chart screening instruments for mental disorders in PHC, involving their measurement properties and assessing bias risks. In this context, this work, employing an innovative knowledge translation methodology involving deliberative dialogue, holds the potential to assist healthcare professionals, managers, and researchers in making evidence-informed decisions regarding the implementation of validated screening instruments within PHC. Furthermore, our findings will facilitate the identification of limitations in the developed instruments, enabling the proposal of research agendas that prioritize robust psychometric studies on screening instruments for mental disorders, aiming to create instruments beneficial for clinical practice.

Although our work adhere to all methodological guidelines, potential limitations may arise due to the heterogeneity in reporting concerning the development of screening instruments for mental disorders. Consequently, reviewers may need to conduct subjective assessments to evaluate the risk of bias and categorize instruments, aligning with the guidelines outlined in the COSMIN Manual [17]. Furthermore, incomplete data, particularly concerning contextual information

about these instruments within care settings, can present challenges in data extraction.

Therefore, the methodological rigor of our scoping review, combined with the knowledge translation strategy employing deliberative dialogue, can promote the integration of scientific evidence into clinical practice and the screening of mental disorders in PHC. This will be possible through engaging interested parties and the Brazilian government, ensuring that these individuals are sensitized to the process of screening for mental disorders in Brazil's PHC. Moreover, the identified research gaps can serve as a foundation for new studies on these instruments. Additionally, utilizing COSMIN's international taxonomy and methodological recommendations can raise awareness among researchers about the effective utilization of these validated instruments for measuring outcomes in the healthcare domain [26].

AUTHOR CONTRIBUTIONS

All authors (LPNL, DMSSS, JCS, MDG, CCB, JHHO, and LCL) made substantial intellectual contributions to the development of this protocol. LCL is the guarantor of the study. LPNL is the principal investigator, responsible for writing the draft protocol. The review question was developed by LCL and refined by LPNL and DMSSS. LPNL and JCS tested the search strategy. All authors (LPNL, DMSSS, JCS, MDG, CCB, JHHO, and LCL) participated in writing the manuscript, critically reviewed the content, approved the final manuscript, and agreed to be responsible for the manuscript, ensuring the accuracy and integrity of the work.

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COMPETING INTERESTS

None to declare.

WORD COUNT

1,723.

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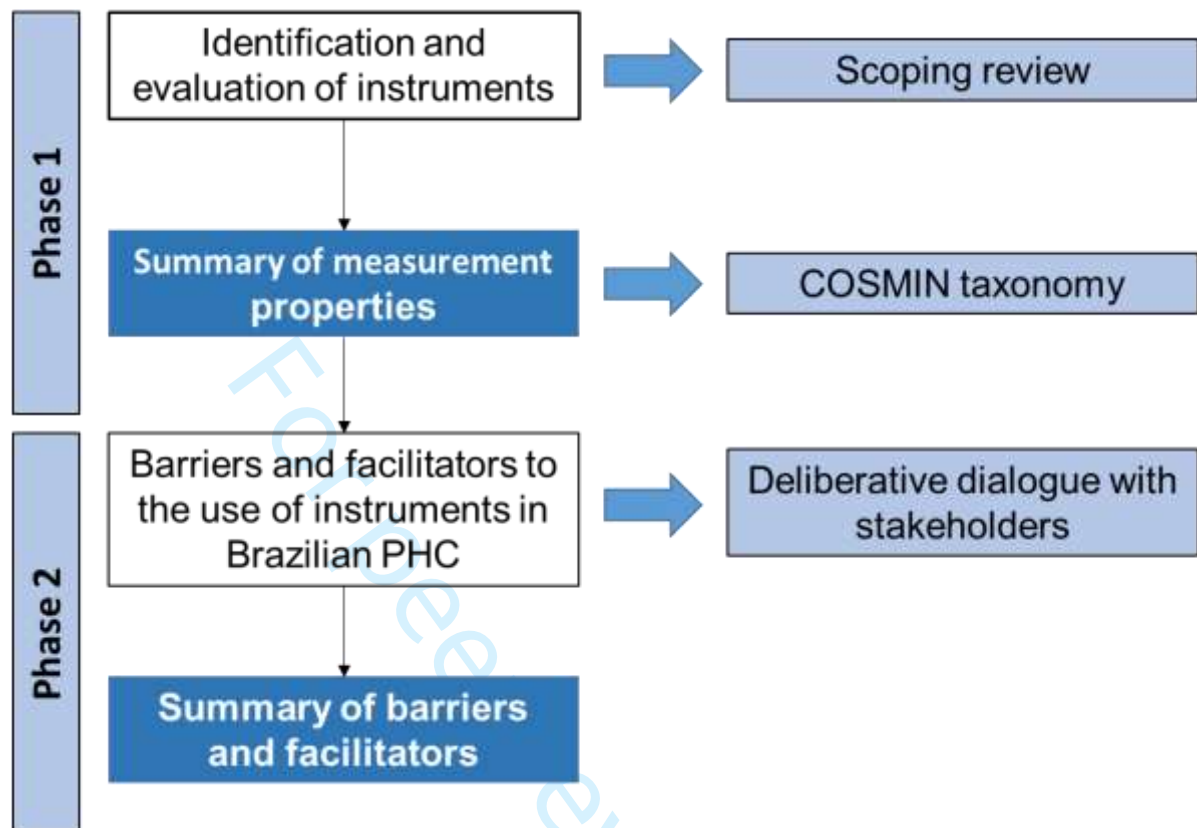
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Figure 1. Flow of conducting the scoping review



Supplementary Material 1 Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews (PRISMA-ScR) Checklist

Adapted to protocol

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
TITLE			
Title	1	Identify the report as a scoping review.	1
ABSTRACT			
Structured summary	2	Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives.	3
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach.	5-6
Objectives	4	Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives.	6
METHODS			
Protocol and registration	5	Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number.	6
Eligibility criteria	6	Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale.	6-7
Information sources*	7	Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed.	7
Search	8	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	7 and Supplementary Material 2
Selection of sources of evidence†	9	State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review.	8
Data charting process‡	10	Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators.	8
Data items	11	List and define all variables for which data were sought and any assumptions and simplifications made.	8
Critical appraisal of individual	12	If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe	8

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
sources of evidence§		the methods used and how this information was used in any data synthesis (if appropriate).	
Synthesis of results	13	Describe the methods of handling and summarizing the data that were charted.	9

JB1 = Joanna Briggs Institute; PRISMA-ScR = Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews.

* Where *sources of evidence* (see second footnote) are compiled from, such as bibliographic databases, social media platforms, and Web sites.

† A more inclusive/heterogeneous term used to account for the different types of evidence or data sources (e.g., quantitative and/or qualitative research, expert opinion, and policy documents) that may be eligible in a scoping review as opposed to only studies. This is not to be confused with *information sources* (see first footnote).

‡ The frameworks by Arksey and O'Malley (6) and Levac and colleagues (7) and the JBI guidance (4, 5) refer to the process of data extraction in a scoping review as data charting.

§ The process of systematically examining research evidence to assess its validity, results, and relevance before using it to inform a decision. This term is used for items 12 and 19 instead of "risk of bias" (which is more applicable to systematic reviews of interventions) to include and acknowledge the various sources of evidence that may be used in a scoping review (e.g., quantitative and/or qualitative research, expert opinion, and policy document).

From: Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMA-ScR): Checklist and Explanation. *Ann Intern Med*. 2018;169:467–473. doi: [10.7326/M18-0850](https://doi.org/10.7326/M18-0850).

Supplementary Material 2: Search strategies employed in each consulted database.

MEDLINE (Via Pubmed)

1. "Mental Disorder*"
2. "Psychiatric Illness*"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder*"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder*"
10. "Psychotic Disorder*"
11. Psychos*
12. "Schizoaffective Disorder*""
13. "Schizophreniform Disorder*"
14. "Brief Reactive Psychos*"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
16. "Schizophrenia, Paranoid"
17. "Paranoid Schizophrenias"
18. "Schizophrenias, Paranoid"
19. "Paranoid Schizophrenia"
20. "Delusional Disorder"
21. "Delusional Disorders"
22. "Disorder, Delusional"
23. "Disorders, Delusional"
24. "Schizophrenia, Disorganized"
25. "Disorganized Schizophrenia"
26. "Disorganized Schizophrenias"
27. "Schizophrenias, Disorganized"
28. "Hebephrenic Schizophrenia"
29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"
31. "Schizophrenia, Hebephrenic"
32. "Schizophrenia, Catatonic"
33. "Catatonic Schizophrenia"
34. "Catatonic Schizophrenias"
35. "Schizophrenias, Catatonic""
36. "Mood Disorder*"
37. "Disorder, Mood"
38. "Disorders, Mood"
39. "Affective Disorder*"
40. "Disorder, Affective"
41. "Disorders, Affective"
42. Mania*
43. "Manic State"
44. "Hypomanic Episode"
45. "Hypomanic Episodes"
46. Hypomania*
47. "Manic Episode"
48. "Episode, Manic"
49. "Manic Episodes"
50. "Bipolar Disorder"
51. "Bipolar Disorders"

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52. "Psychosis, Manic-Depressive"
53. "Psychosis, Manic Depressive"
54. "Psychoses, Manic-Depressive"
55. "Psychoses, Manic Depressive"
56. "Manic-Depressive Psychosis"
57. "Manic Depressive Psychosis"
58. "Bipolar Mood Disorder"
59. "Bipolar Mood Disorders"
60. "Disorder, Bipolar Mood"
61. "Mood Disorder, Bipolar"
62. "Affective Psychosis, Bipolar"
63. "Bipolar Affective Psychosis"
64. "Psychoses, Bipolar Affective"
65. "Psychosis, Bipolar Affective"
66. "Bipolar Disorder Type 1"
67. "Type 1 Bipolar Disorder"
68. "Manic Depression"
69. "Depression, Manic"
70. "Depressions, Manic"
71. "Depression, Bipolar"
72. "Bipolar Depression"
73. "Bipolar Disorder Type 2"
74. "Type 2 Bipolar Disorder" OR
75. "Manic Disorder"
76. "Disorder, Manic"
77. "Manic Disorders"
78. "Anxiety Disorder**"
79. "Disorder, Anxiety"
80. "Disorders, Anxiety"
81. "Neuroses, Anxiety"
82. "Anxiety Neuroses"
83. "Anxiety States, Neurotic"
84. "Anxiety State, Neurotic"
85. "Neurotic Anxiety State"
86. "Neurotic Anxiety States"
87. "State, Neurotic Anxiety"
88. "States, Neurotic Anxiety"
89. "Phobia, Social" OR "Social Phobia**"
90. "Social Evaluation Phobia"
91. "Phobia, Social Evaluation"
92. "Social Evaluation Phobias"
93. "Social Anxiety Disorder"
94. "Anxiety Disorder, Social"
95. "Disorder, Social Anxiety"
96. "Social Anxiety Disorders"
97. Sociophobia*
98. "Fear of Social Evaluation"
99. "Evaluation Fear, Social"
100. "Social Evaluation Fear"
101. "Feeding and Eating Disorders"
102. "Eating and Feeding Disorders"
103. "Feeding Disorders"
104. "Disorder, Feeding"
105. "Disorders, Feeding"
106. "Feeding Disorder"
107. "Eating Disorders"

1		
2		
3	108.	"Disorder, Eating"
4	109.	"Disorders, Eating"
5	110.	"Eating Disorder"
6	111.	"Appetite Disorders"
7	112.	"Appetite Disorder"
8	113.	"Anorexia Nervosa"
9	114.	"Anorexia Nervosas"
10	115.	"Nervosa, Anorexia"
11	116.	"Nervosas, Anorexia"
12	117.	"Bulimia Nervosa"
13	118.	"Nervosa, Bulimia"
14	119.	"Substance-Related Disorder**"
15	120.	"Disorder, Substance Related"
16	121.	"Disorders, Substance Related"
17	122.	"Related Disorder, Substance"
18	123.	"Related Disorders, Substance"
19	124.	"Drug Use Disorders"
20	125.	"Drug Use Disorder"
21	126.	"Disorder, Drug Use"
22	127.	"Organic Mental Disorders, Substance-Induced"
23	128.	"Organic Mental Disorders, Substance Induced"
24	129.	"Substance Abuse"
25	130.	"Abuse, Substance"
26	131.	"Substance Abuses"
27	132.	"Substance Dependence"
28	133.	"Dependence, Substance"
29	134.	"Substance Addiction"
30	135.	"Addiction, Substance"
31	136.	"Chemical Dependence"
32	137.	"Chemical Dependences"
33	138.	"Dependence, Chemical"
34	139.	"Dependences, Chemical"
35	140.	"Drug Dependence"
36	141.	"Dependence, Drug"
37	142.	"Drug Addiction"
38	143.	"Addiction, Drug"
39	144.	"Prescription Drug Abuse"
40	145.	"Abuse, Prescription Drug"
41	146.	"Drug Abuse, Prescription"
42	147.	"Substance Use
43	148.	Substance Uses"
44	149.	"Use, Substance"
45	150.	"Drug Abuse"
46	151.	"Abuse, Drug"
47	152.	"Drug Habituation"
48	153.	"Habituation, Drug"
49	154.	"Substance Use Disorders"
50	155.	"Disorder, Substance Use"
51	156.	"Substance Use Disorder"
52	157.	or/1-157
53	158.	"Mass Screening"
54	159.	"Mass Screenings"
55	160.	"Screening, Mass"
56	161.	"Screenings, Mass"
57	162.	Screening*
58	163.	"Diagnostic Screening Programs"
59		
60		

164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 AND #169 AND 170

EMBASE

1. 'Mental Disorder*'
2. 'Psychiatric Illness*'
3. 'Psychiatric* Disease'
4. 'Mental Illness'
5. 'Mental Illnesses'
6. 'Psychiatric Disorder*'
7. 'Behavior Disorders'
8. 'Psychiatric Diagnosis'
9. 'Severe Mental Disorder*'
10. 'Psychotic Disorder*'
11. Psychos*
12. 'Schizoaffective Disorder*'
13. 'Schizophreniform Disorder*'
14. 'Brief Reactive Psychos*'
15. 'Schizophrenia Spectrum and Other Psychotic Disorders'
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29. 'Hebephrenic Schizophrenias'
30. 'Schizophrenias, Hebephrenic'
31. 'Schizophrenia, Hebephrenic'
32. 'Schizophrenia, Catatonic'
33. 'Catatonic Schizophrenia'
34. 'Catatonic Schizophrenias'
35. 'Schizophrenias, Catatonic'
36. 'Mood Disorder*'
37. 'Disorder, Mood'
38. 'Disorders, Mood'
39. 'Affective Disorder*'
40. 'Disorder, Affective'
41. 'Disorders, Affective'
42. Mania*
43. 'Manic State'
44. 'Hypomanic Episode'
45. 'Hypomanic Episodes'

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46. Hypomania*
47. 'Manic Episode'
48. 'Episode, Manic'
49. 'Manic Episodes'
50. 'Bipolar Disorder'
51. 'Bipolar Disorders'
52. 'Psychosis, Manic-Depressive'
53. 'Psychosis, Manic Depressive'
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84. 'Anxiety State, Neurotic'
85. 'Neurotic Anxiety State'
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89. 'Phobia, Social' OR 'Social Phobia*'
90. 'Social Evaluation Phobia'
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136. 'Chemical Dependence'
137. 'Chemical Dependences'
138. 'Dependence, Chemical'
139. 'Dependences, Chemical'
140. 'Drug Dependence'
141. 'Dependence, Drug'
142. 'Drug Addiction'
143. 'Addiction, Drug'
144. 'Prescription Drug Abuse'
145. 'Abuse, Prescription Drug'
146. 'Drug Abuse, Prescription'
147. 'Substance Use'
148. 'Substance Uses'
149. 'Use, Substance'
150. 'Drug Abuse'
151. 'Abuse, Drug'
152. 'Drug Habituation'
153. 'Habituation, Drug'
154. 'Substance Use Disorders'
155. 'Disorder, Substance Use'
156. 'Substance Use Disorder'
157. or/1-157

158. 'Mass Screening'
159. 'Mass Screenings'
160. 'Screening, Mass'
161. 'Screenings, Mass'
162. Screening*
163. 'Diagnostic Screening Programs'
164. 'Diagnostic Screening Program'
165. 'Program, Diagnostic Screening'
166. 'Programs, Diagnostic Screening'
167. 'Screening Program, Diagnostic'
168. 'Screening Programs, Diagnostic'
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 AND #169 AND 170

PsycINFO

1. "Mental Disorder*"
2. "Psychiatric Illness*"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder*"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder*"
10. "Psychotic Disorder*"
11. Psychos*
12. "Schizoaffective Disorder*""
13. "Schizophreniform Disorder*"
14. "Brief Reactive Psychos*"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
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17. "Paranoid Schizophrenias"
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29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"
31. "Schizophrenia, Hebephrenic"
32. "Schizophrenia, Catatonic"
33. "Catatonic Schizophrenia"
34. "Catatonic Schizophrenias"
35. "Schizophrenias, Catatonic""
36. "Mood Disorder*"
37. "Disorder, Mood"
38. "Disorders, Mood"
39. "Affective Disorder*"

40. "Disorder, Affective"
41. "Disorders, Affective"
42. Mania*
43. "Manic State"
44. "Hypomanic Episode"
45. "Hypomanic Episodes"
46. Hypomania*
47. "Manic Episode"
48. "Episode, Manic"
49. "Manic Episodes"
50. "Bipolar Disorder"
51. "Bipolar Disorders"
52. "Psychosis, Manic-Depressive"
53. "Psychosis, Manic Depressive"
54. "Psychoses, Manic-Depressive"
55. "Psychoses, Manic Depressive"
56. "Manic-Depressive Psychosis"
57. "Manic Depressive Psychosis"
58. "Bipolar Mood Disorder"
59. "Bipolar Mood Disorders"
60. "Disorder, Bipolar Mood"
61. "Mood Disorder, Bipolar"
62. "Affective Psychosis, Bipolar"
63. "Bipolar Affective Psychosis"
64. "Psychoses, Bipolar Affective"
65. "Psychosis, Bipolar Affective"
66. "Bipolar Disorder Type 1"
67. "Type 1 Bipolar Disorder"
68. "Manic Depression"
69. "Depression, Manic"
70. "Depressions, Manic"
71. "Depression, Bipolar"
72. "Bipolar Depression"
73. "Bipolar Disorder Type 2"
74. "Type 2 Bipolar Disorder" OR
75. "Manic Disorder"
76. "Disorder, Manic"
77. "Manic Disorders"
78. "Anxiety Disorder**"
79. "Disorder, Anxiety"
80. "Disorders, Anxiety"
81. "Neuroses, Anxiety"
82. "Anxiety Neuroses"
83. "Anxiety States, Neurotic"
84. "Anxiety State, Neurotic"
85. "Neurotic Anxiety State"
86. "Neurotic Anxiety States"
87. "State, Neurotic Anxiety"
88. "States, Neurotic Anxiety"
89. "Phobia, Social" OR "Social Phobia**"
90. "Social Evaluation Phobia"
91. "Phobia, Social Evaluation"
92. "Social Evaluation Phobias"
93. "Social Anxiety Disorder"
94. "Anxiety Disorder, Social"
95. "Disorder, Social Anxiety"

- 1
- 2
- 3 96. "Social Anxiety Disorders"
- 4 97. Sociophobia*
- 5 98. "Fear of Social Evaluation"
- 6 99. "Evaluation Fear, Social"
- 7 100. "Social Evaluation Fear"
- 8 101. "Feeding and Eating Disorders"
- 9 102. "Eating and Feeding Disorders"
- 10 103. "Feeding Disorders"
- 11 104. "Disorder, Feeding"
- 12 105. "Disorders, Feeding"
- 13 106. "Feeding Disorder"
- 14 107. "Eating Disorders"
- 15 108. "Disorder, Eating"
- 16 109. "Disorders, Eating"
- 17 110. "Eating Disorder"
- 18 111. "Appetite Disorders"
- 19 112. "Appetite Disorder"
- 20 113. "Anorexia Nervosa"
- 21 114. "Anorexia Nervosas"
- 22 115. "Nervosa, Anorexia"
- 23 116. "Nervosas, Anorexia"
- 24 117. "Bulimia Nervosa"
- 25 118. "Nervosa, Bulimia"
- 26 119. "Substance-Related Disorder*"
- 27 120. "Disorder, Substance Related"
- 28 121. "Disorders, Substance Related"
- 29 122. "Related Disorder, Substance"
- 30 123. "Related Disorders, Substance"
- 31 124. "Drug Use Disorders"
- 32 125. "Drug Use Disorder"
- 33 126. "Disorder, Drug Use"
- 34 127. "Organic Mental Disorders, Substance-Induced"
- 35 128. "Organic Mental Disorders, Substance Induced"
- 36 129. "Substance Abuse"
- 37 130. "Abuse, Substance"
- 38 131. "Substance Abuses"
- 39 132. "Substance Dependence"
- 40 133. "Dependence, Substance"
- 41 134. "Substance Addiction"
- 42 135. "Addiction, Substance"
- 43 136. "Chemical Dependence"
- 44 137. "Chemical Dependences"
- 45 138. "Dependence, Chemical"
- 46 139. "Dependences, Chemical"
- 47 140. "Drug Dependence"
- 48 141. "Dependence, Drug"
- 49 142. "Drug Addiction"
- 50 143. "Addiction, Drug"
- 51 144. "Prescription Drug Abuse"
- 52 145. "Abuse, Prescription Drug"
- 53 146. "Drug Abuse, Prescription"
- 54 147. "Substance Use"
- 55 148. "Substance Uses"
- 56 149. "Use, Substance"
- 57 150. "Drug Abuse"
- 58 151. "Abuse, Drug"
- 59
- 60

Protected by copyright, including for uses related to text and data mining, AI training, and similar technologies.

152. "Drug Habituation"
153. "Habituation, Drug"
154. "Substance Use Disorders"
155. "Disorder, Substance Use"
156. "Substance Use Disorder"
157. or/1-157
158. "Mass Screening"
159. "Mass Screenings"
160. "Screening, Mass"
161. "Screenings, Mass"
162. Screening*
163. "Diagnostic Screening Programs"
164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement instruments
171. #157 AND #169 AND 170

LILACS

1. "Transtornos Mentais"
2. "Diagnóstico Psiquiátrico"
3. "Distúrbios Psiquiátricos"
4. "Doença Mental"
5. "Doença Psiquiátrica"
6. "Doenças Psiquiátricas"
7. Insanidade
8. "Transtorno do Comportamento"
9. "Transtornos do Comportamento"
10. "Transtornos Mentais Graves"
11. "Transtornos Mentais Severos"
12. "Transtornos Psiquiátricos"
13. "Trastornos Mentales"
14. "Enfermedad Mental"
15. "Enfermedad Psiquiátrica"
16. "Enfermedades Psiquiátricas"
17. Insanidad
18. "Transtornos Mentales Severos"
19. "Trastorno del Comportamiento"
20. "Trastorno Mental"
21. "Trastornos del Comportamiento"
22. "Trastornos Mentales Graves"
23. "Trastornos Psiquiátricos"
24. "Mental Disorder*"
25. "Psychiatric Illness*"
26. "Psychiatric* Disease"
27. "Mental Illness"
28. "Mental Illnesses"
29. "Psychiatric Disorder*"
30. "Behavior Disorders"
31. "Psychiatric Diagnosis"
32. "Severe Mental Disorder*"
33. "Psychotic Disorder*"

- 1
- 2
- 3 34. Psychos*
- 4 35. "Schizoaffective Disorder*""
- 5 36. "Schizophreniform Disorder*"
- 6 37. "Brief Reactive Psychos*"
- 7 38. "Schizophrenia Spectrum and Other Psychotic Disorders"
- 8 39. "Schizophrenia, Paranoid"
- 9 40. "Paranoid Schizophrenias"
- 10 41. "Schizophrenias, Paranoid"
- 11 42. "Paranoid Schizophrenia"
- 12 43. "Delusional Disorder"
- 13 44. "Delusional Disorders"
- 14 45. "Disorder, Delusional"
- 15 46. "Disorders, Delusional"
- 16 47. "Schizophrenia, Disorganized"
- 17 48. "Disorganized Schizophrenia"
- 18 49. "Disorganized Schizophrenias"
- 19 50. "Schizophrenias, Disorganized"
- 20 51. "Hebephrenic Schizophrenia"
- 21 52. "Hebephrenic Schizophrenias"
- 22 53. "Schizophrenias, Hebephrenic"
- 23 54. "Schizophrenia, Hebephrenic"
- 24 55. "Schizophrenia, Catatonic"
- 25 56. "Catatonic Schizophrenia"
- 26 57. "Catatonic Schizophrenias"
- 27 58. "Schizophrenias, Catatonic*""
- 28 59. "Transtornos Psicóticos"
- 29 60. "Psicose Reativa Breve"
- 30 61. Psicoses
- 31 62. "Transtorno Esquizaafetivo"
- 32 63. "Transtornos Esquizofreniformes"
- 33 64. "Espectro da Esquizofrenia e Outros Transtornos Psicóticos"
- 34 65. "Esquizofrenia e Transtornos com Características Psicóticas"
- 35 66. "Esquizofrenia Paranoide"
- 36 67. "Transtorno Delirante"
- 37 68. "Esquizofrenia Hebefrênica"
- 38 69. "Esquizofrenia Catatônica"
- 39 70. "Trastornos Psicóticos"
- 40 71. Psicosis OR "Psicosis Reactiva Breve"
- 41 72. "Trastorno Esquizaafectivo"
- 42 73. "Trastornos Esquizofreniformes"
- 43 74. "Esquizofrenia Hebefrénica"
- 44 75. "Esquizofrenia Catatónica"
- 45 76. "Mood Disorder*"
- 46 77. "Disorder, Mood"
- 47 78. "Disorders, Mood"
- 48 79. "Affective Disorder*"
- 49 80. "Disorder, Affective"
- 50 81. "Disorders, Affective"
- 51 82. Mania*
- 52 83. "Manic State"
- 53 84. "Hypomanic Episode"
- 54 85. "Hypomanic Episodes"
- 55 86. Hypomania*
- 56 87. "Manic Episode"
- 57 88. "Episode, Manic"
- 58 89. "Manic Episodes"
- 59
- 60

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90. "Bipolar Disorder"
91. "Bipolar Disorders"
92. "Psychosis, Manic-Depressive"
93. "Psychosis, Manic Depressive"
94. "Psychoses, Manic-Depressive"
95. "Psychoses, Manic Depressive"
96. "Manic-Depressive Psychosis"
97. "Manic Depressive Psychosis"
98. "Bipolar Mood Disorder"
99. "Bipolar Mood Disorders"
100. "Disorder, Bipolar Mood"
101. "Mood Disorder, Bipolar"
102. "Affective Psychosis, Bipolar"
103. "Bipolar Affective Psychosis"
104. "Psychoses, Bipolar Affective"
105. "Psychosis, Bipolar Affective"
106. "Bipolar Disorder Type 1"
107. "Type 1 Bipolar Disorder"
108. "Manic Depression"
109. "Depression, Manic"
110. "Depressions, Manic"
111. "Depression, Bipolar"
112. "Bipolar Depression"
113. "Bipolar Disorder Type 2"
114. "Type 2 Bipolar Disorder" OR
115. "Manic Disorder"
116. "Disorder, Manic"
117. "Manic Disorders"
118. "Transtornos do Humor"
119. "Transtornos Afetivos"
120. "Trastornos del Humor"
121. Mania
122. "Episódio Hipomaniaco"
123. "Episódio Maníaco"
124. "Estado Maníaco"
125. "Estado de Loucura"
126. hipomania
127. "episodio hipomaniaco"
128. "episodio maníaco"
129. "estado maníaco"
130. "hipomanía"
131. "Anxiety Disorder**"
132. "Disorder, Anxiety"
133. "Disorders, Anxiety"
134. "Neuroses, Anxiety"
135. "Anxiety Neuroses"
136. "Anxiety States, Neurotic"
137. "Anxiety State, Neurotic"
138. "Neurotic Anxiety State"
139. "Neurotic Anxiety States"
140. "State, Neurotic Anxiety"
141. "States, Neurotic Anxiety"
142. "Phobia, Social" OR "Social Phobia**"
143. "Social Evaluation Phobia"
144. "Phobia, Social Evaluation"
145. "Social Evaluation Phobias"

1		
2		
3	146.	"Social Anxiety Disorder"
4	147.	"Anxiety Disorder, Social"
5	148.	"Disorder, Social Anxiety"
6	149.	"Social Anxiety Disorders"
7	150.	Sociophobia*
8	151.	"Transtornos de Ansiedade"
9	152.	"Distúrbios de Ansiedade"
10	153.	"Estados de Ansiedade Neurótica"
11	154.	"Neurose de Ansiedade"
12	155.	"Transtornos Ansiosos"
13	156.	"Transtornos de Angústia"
14	157.	Agorafobia
15	158.	Demofobia
16	159.	Enoclofobia
17	160.	"Fobia de Espaços Abertos"
18	161.	"Fobia de Multidão"
19	162.	"Fobia de Mutidões"
20	163.	Oclofobia*
21	164.	"Transtorno de Pânico"
22	165.	"Ataques de Pânico"
23	166.	"trastornos de ansiedad"
24	167.	"estados de ansiedad neuróticos"
25	168.	"neurosis de ansiedad"
26	169.	"fobia a las multitudes"
27	170.	"fobia a los espacios abiertos"
28	171.	"trastorno de pánico"
29	172.	"ataques de pánico"
30	173.	"Fear of Social Evaluation"
31	174.	"Evaluation Fear, Social"
32	175.	"Social Evaluation Fear"
33	176.	"Feeding and Eating Disorders"
34	177.	"Eating and Feeding Disorders"
35	178.	"Feeding Disorders"
36	179.	"Disorder, Feeding"
37	180.	"Disorders, Feeding"
38	181.	"Feeding Disorder"
39	182.	"Eating Disorders"
40	183.	"Disorder, Eating"
41	184.	"Disorders, Eating"
42	185.	"Eating Disorder"
43	186.	"Appetite Disorders"
44	187.	"Appetite Disorder"
45	188.	"Anorexia Nervosa"
46	189.	"Anorexia Nervosas"
47	190.	"Nervosa, Anorexia"
48	191.	"Nervosas, Anorexia"
49	192.	"Bulimia Nervosa"
50	193.	"Nervosa, Bulimia"
51	194.	"Transtornos da Alimentação"
52	195.	"Transtornos da Ingestão de Alimentos"
53	196.	"Transtornos do Appetite"
54	197.	"Transtorno da Compulsão Alimentar"
55	198.	"Compulsão Alimentar"
56	199.	"Anorexia Nervosa"
57	200.	"Bulimia Nervosa"
58	201.	"Trastornos de Alimentación y de la Ingestión de Alimentos"

202. "Trastorno Alimentario"
203. "Trastornos Alimentarios"
204. "Trastornos Alimentarios y de la Ingestión de Alimentos"
205. "Trastornos de Alimentación"
206. "Trastornos de la Conducta Alimentaria"
207. "Trastornos de la Ingesta de Alimentos"
208. "Trastornos de la Ingestión de Alimentos"
209. "Trastornos del Apetito"
210. "Trastorno por Atracón"
211. "trastorno de hiperfagia compulsiva"
212. "trastorno de atracones"
213. "Anorexia Nerviosa"
214. "anorexia nerviosa"
215. "Bulimia Nerviosa"
216. "Substance-Related Disorder**"
217. "Disorder, Substance Related"
218. "Disorders, Substance Related"
219. "Related Disorder, Substance"
220. "Related Disorders, Substance"
221. "Drug Use Disorders"
222. "Drug Use Disorder"
223. "Disorder, Drug Use"
224. "Organic Mental Disorders, Substance-Induced"
225. "Organic Mental Disorders, Substance Induced"
226. "Substance Abuse"
227. "Abuse, Substance"
228. "Substance Abuses"
229. "Substance Dependence"
230. "Dependence, Substance"
231. "Substance Addiction"
232. "Addiction, Substance"
233. "Chemical Dependence"
234. "Chemical Dependences"
235. "Dependence, Chemical"
236. "Dependences, Chemical"
237. "Drug Dependence"
238. "Dependence, Drug"
239. "Drug Addiction"
240. "Addiction, Drug"
241. "Prescription Drug Abuse"
242. "Abuse, Prescription Drug"
243. "Drug Abuse, Prescription"
244. "Substance Use"
245. "Substance Uses"
246. "Use, Substance"
247. "Drug Abuse"
248. "Abuse, Drug"
249. "Drug Habituation"
250. "Habituation, Drug"
251. "Substance Use Disorders"
252. "Disorder, Substance Use"
253. "Substance Use Disorder"
254. "Transtornos Relacionados ao Uso de Substâncias"
255. "Abuso de Drogas"
256. "Abuso de Medicamentos sob Prescrição"
257. "Abuso de Substâncias"

258. "Abuso de Substâncias Psicoativas"
259. "Abuso de Substâncias que Produzem Dependência"
260. "Abuso de Substâncias que não Produzem Dependência"
261. "Adição a Drogas"
262. "Dependência Física de Substâncias"
263. "Dependência Psíquica de Substâncias"
264. "Dependência Química"
265. "Dependência de Agentes Químicos"
266. "Dependência de Drogas"
267. "Dependência de Substâncias"
268. "Dependência de Substâncias Psicoativas"
269. Drogadicção
270. Drogadição
271. Farmacodependência
272. "Habituação a Drogas"
273. Toxicomania
274. "Transtorno Relacionado ao Uso de Substâncias"
275. "Transtornos Induzidos por Uso de Substâncias"
276. "Transtornos Mentais Orgânicos Induzidos por Substâncias"
277. "Transtornos Mentais Orgânicos Induzidos por Substâncias Psicoativas"
278. "Transtornos Relacionados ao Uso de Substâncias Psicoativas"
279. "Transtornos por Uso de Drogas"
280. "Transtornos por Uso de Substâncias"
281. "Transtornos por Uso de Substâncias Psicoativas"
282. "Uso Indevido de Drogas"
283. "Uso Indevido de Substâncias"
284. "Uso de Substâncias"
285. "Trastornos Relacionados con Sustancias"
286. "adicción a sustancias"
287. drogadicción
288. drogodependencia
289. "habituación a drogas"
290. "habituación a sustancias"
291. "trastorno por consumo de sustancias"
292. "trastorno relacionado con sustancias"
293. "trastornos inducidos por consumo de sustancias"
294. "trastornos inducidos por uso de sustancias"
295. "trastornos mentales orgánicos inducidos por sustancias"
296. "trastornos por consumo de drogas"
297. "trastornos por consumo de sustancias"
298. "trastornos por consumo de sustancias psicoactivas"
299. "trastornos por uso de drogas"
300. "trastornos por uso de sustancias"
301. "trastornos por uso de sustancias psicoactivas"
302. "trastornos relacionados con el consumo de sustancias psicoactivas"
303. "trastornos relacionados con el uso de sustancias psicoactivas"
304. or/1-303
305. "Mass Screening"
306. "Mass Screenings"
307. "Screening, Mass"
308. "Screenings, Mass"
309. Screening*
310. "Diagnostic Screening Programs"
311. "Diagnostic Screening Program"
312. "Program, Diagnostic Screening"
313. "Programs, Diagnostic Screening"

314. "Screening Program, Diagnostic"
315. "Screening Programs, Diagnostic"
316. "Programas de Rastreamento"
317. "Exame Coletivo"
318. "Identificação Sistemática"
319. "Programas de Triagem Diagnóstica"
320. Rastreamento
321. Rastreio
322. "Triagem de Massa"
323. "Tamizaje Masivo"
324. "cribado sistemático"
325. cribado "cribado masivo"
326. "detección selectiva"
327. "detección sistemática"
328. "examen colectivo"
329. "identificación sistemática"
330. screening OR "screening masivo"
331. "Programas de Detección Diagnóstica"
332. "programas de cribado diagnóstico"
333. "programa de cribado diagnóstico"
334. or/305-333
335. COSMIN filter for identifying studies on the development of health measurement instruments
336. #304 AND #334 AND 335

CINAHL

1. "Mental Disorder**"
2. "Psychiatric Illness**"
3. "Psychiatric* Disease"
4. "Mental Illness"
5. "Mental Illnesses"
6. "Psychiatric Disorder**"
7. "Behavior Disorders"
8. "Psychiatric Diagnosis"
9. "Severe Mental Disorder**"
10. "Psychotic Disorder**"
11. Psychos*
12. "Schizoaffective Disorder****"
13. "Schizophreniform Disorder**"
14. "Brief Reactive Psychos**"
15. "Schizophrenia Spectrum and Other Psychotic Disorders"
16. "Schizophrenia, Paranoid"
17. "Paranoid Schizophrenias"
18. "Schizophrenias, Paranoid"
19. "Paranoid Schizophrenia"
20. "Delusional Disorder"
21. "Delusional Disorders"
22. "Disorder, Delusional"
23. "Disorders, Delusional"
24. "Schizophrenia, Disorganized"
25. "Disorganized Schizophrenia"
26. "Disorganized Schizophrenias"
27. "Schizophrenias, Disorganized"
28. "Hebephrenic Schizophrenia"
29. "Hebephrenic Schizophrenias"
30. "Schizophrenias, Hebephrenic"

- 1
- 2
- 3 31. "Schizophrenia, Hebephrenic"
- 4 32. "Schizophrenia, Catatonic"
- 5 33. "Catatonic Schizophrenia"
- 6 34. "Catatonic Schizophrenias"
- 7 35. "Schizophrenias, Catatonic"
- 8 36. "Mood Disorder"
- 9 37. "Disorder, Mood"
- 10 38. "Disorders, Mood"
- 11 39. "Affective Disorder"
- 12 40. "Disorder, Affective"
- 13 41. "Disorders, Affective"
- 14 42. Mania*
- 15 43. "Manic State"
- 16 44. "Hypomanic Episode"
- 17 45. "Hypomanic Episodes"
- 18 46. Hypomania*
- 19 47. "Manic Episode"
- 20 48. "Episode, Manic"
- 21 49. "Manic Episodes"
- 22 50. "Bipolar Disorder"
- 23 51. "Bipolar Disorders"
- 24 52. "Psychosis, Manic-Depressive"
- 25 53. "Psychosis, Manic Depressive"
- 26 54. "Psychoses, Manic-Depressive"
- 27 55. "Psychoses, Manic Depressive"
- 28 56. "Manic-Depressive Psychosis"
- 29 57. "Manic Depressive Psychosis"
- 30 58. "Bipolar Mood Disorder"
- 31 59. "Bipolar Mood Disorders"
- 32 60. "Disorder, Bipolar Mood"
- 33 61. "Mood Disorder, Bipolar"
- 34 62. "Affective Psychosis, Bipolar"
- 35 63. "Bipolar Affective Psychosis"
- 36 64. "Psychoses, Bipolar Affective"
- 37 65. "Psychosis, Bipolar Affective"
- 38 66. "Bipolar Disorder Type 1"
- 39 67. "Type 1 Bipolar Disorder"
- 40 68. "Manic Depression"
- 41 69. "Depression, Manic"
- 42 70. "Depressions, Manic"
- 43 71. "Depression, Bipolar"
- 44 72. "Bipolar Depression"
- 45 73. "Bipolar Disorder Type 2"
- 46 74. "Type 2 Bipolar Disorder" OR
- 47 75. "Manic Disorder"
- 48 76. "Disorder, Manic"
- 49 77. "Manic Disorders"
- 50 78. "Anxiety Disorder"
- 51 79. "Disorder, Anxiety"
- 52 80. "Disorders, Anxiety"
- 53 81. "Neuroses, Anxiety"
- 54 82. "Anxiety Neuroses"
- 55 83. "Anxiety States, Neurotic"
- 56 84. "Anxiety State, Neurotic"
- 57 85. "Neurotic Anxiety State"
- 58 86. "Neurotic Anxiety States"
- 59
- 60

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87. "State, Neurotic Anxiety"
88. "States, Neurotic Anxiety"
89. "Phobia, Social" OR "Social Phobia"
90. "Social Evaluation Phobia"
91. "Phobia, Social Evaluation"
92. "Social Evaluation Phobias"
93. "Social Anxiety Disorder"
94. "Anxiety Disorder, Social"
95. "Disorder, Social Anxiety"
96. "Social Anxiety Disorders"
97. Sociophobia*
98. "Fear of Social Evaluation"
99. "Evaluation Fear, Social"
100. "Social Evaluation Fear"
101. "Feeding and Eating Disorders"
102. "Eating and Feeding Disorders"
103. "Feeding Disorders"
104. "Disorder, Feeding"
105. "Disorders, Feeding"
106. "Feeding Disorder"
107. "Eating Disorders"
108. "Disorder, Eating"
109. "Disorders, Eating"
110. "Eating Disorder"
111. "Appetite Disorders"
112. "Appetite Disorder"
113. "Anorexia Nervosa"
114. "Anorexia Nervosas"
115. "Nervosa, Anorexia"
116. "Nervosas, Anorexia"
117. "Bulimia Nervosa"
118. "Nervosa, Bulimia"
119. "Substance-Related Disorder"
120. "Disorder, Substance Related"
121. "Disorders, Substance Related"
122. "Related Disorder, Substance"
123. "Related Disorders, Substance"
124. "Drug Use Disorders"
125. "Drug Use Disorder"
126. "Disorder, Drug Use"
127. "Organic Mental Disorders, Substance-Induced"
128. "Organic Mental Disorders, Substance Induced"
129. "Substance Abuse"
130. "Abuse, Substance"
131. "Substance Abuses"
132. "Substance Dependence"
133. "Dependence, Substance"
134. "Substance Addiction"
135. "Addiction, Substance"
136. "Chemical Dependence"
137. "Chemical Dependences"
138. "Dependence, Chemical"
139. "Dependences, Chemical"
140. "Drug Dependence"
141. "Dependence, Drug"
142. "Drug Addiction"

143. "Addiction, Drug"
144. "Prescription Drug Abuse"
145. "Abuse, Prescription Drug"
146. "Drug Abuse, Prescription"
147. "Substance Use
148. Substance Uses"
149. "Use, Substance"
150. "Drug Abuse"
151. "Abuse, Drug"
152. "Drug Habituation"
153. "Habituation, Drug"
154. "Substance Use Disorders"
155. "Disorder, Substance Use"
156. "Substance Use Disorder"
157. or/1-157
158. "Mass Screening"
159. "Mass Screenings"
160. "Screening, Mass"
161. "Screenings, Mass"
162. Screening*
163. "Diagnostic Screening Programs"
164. "Diagnostic Screening Program"
165. "Program, Diagnostic Screening"
166. "Programs, Diagnostic Screening"
167. "Screening Program, Diagnostic"
168. "Screening Programs, Diagnostic"
169. or/158-168
170. COSMIN filter for identifying studies on the development of health measurement
instruments
171. #157 AND #169 AND 170

COSMIN filter

(instrumentation[sh] OR methods[sh] OR "Validation Studies"[pt] OR "Comparative Study"[pt]
OR "psychometrics"[MeSH] OR psychometr*[tiab] OR clinimetr*[tw] OR clinometr*[tw] OR
"outcome assessment (health care)"[MeSH] OR "outcome assessment"[tiab] OR "outcome
measure*" [tw] OR "observer variation"[MeSH] OR "observer variation"[tiab] OR "Health Status
Indicators"[MeSH] OR "reproducibility of results"[MeSH] OR reproducib*[tiab] OR "discriminant
analysis"[MeSH] OR reliab*[tiab] OR unreliab*[tiab] OR valid*[tiab] OR "coefficient of
variation"[tiab] OR coefficient[tiab] OR homogeneity[tiab] OR homogeneous[tiab] OR "internal
consistency"[tiab] OR (cronbach*[tiab] AND (alpha[tiab] OR alphas[tiab])) OR (item[tiab] AND
(correlation*[tiab] OR selection*[tiab] OR reduction*[tiab])) OR agreement[tw] OR precision[tw]
OR imprecision[tw] OR "precise values"[tw] OR test-retest[tiab] OR (test[tiab] AND retest[tiab])
OR (reliab*[tiab] AND (test[tiab] OR retest[tiab])) OR stability[tiab] OR interrater[tiab] OR inter-
rater[tiab] OR intrarater[tiab] OR intra-rater[tiab] OR intertester[tiab] OR inter-tester[tiab] OR
intratester[tiab] OR intra-tester[tiab] OR interobserver[tiab] OR inter-observer[tiab] OR
intraobserver[tiab] OR intra-observer[tiab] OR intertechnician[tiab] OR inter-technician[tiab] OR
intratechnician[tiab] OR intra-technician[tiab] OR interexaminer[tiab] OR inter-examiner[tiab] OR
intraexaminer[tiab] OR intra-examiner[tiab] OR interassay[tiab] OR inter-assay[tiab] OR
intraassay[tiab] OR intra-assay[tiab] OR interindividual[tiab] OR inter-individual[tiab] OR
intraindividual[tiab] OR intra-individual[tiab] OR interparticipant[tiab] OR inter-participant[tiab]
OR intraparticipant[tiab] OR intra-participant[tiab] OR kappa[tiab] OR kappa's[tiab] OR
kappas[tiab] OR repeatab*[tw] OR ((replicab*[tw] OR repeated[tw]) AND (measure[tw] OR
measures[tw] OR findings[tw] OR result[tw] OR results[tw] OR test[tw] OR tests[tw])) OR
generaliza*[tiab] OR generalisa*[tiab] OR concordance[tiab] OR (intraclass[tiab] AND

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correlation*[tiab]) OR discriminative[tiab] OR "known group"[tiab] OR "factor analysis"[tiab] OR "factor analyses"[tiab] OR "factor structure"[tiab] OR "factor structures"[tiab] OR dimension*[tiab] OR subscale*[tiab] OR (multitrait[tiab] AND scaling[tiab] AND (analysis[tiab] OR analyses[tiab])) OR "item discriminant"[tiab] OR "interscale correlation*" [tiab] OR error[tiab] OR errors[tiab] OR "individual variability"[tiab] OR "interval variability"[tiab] OR "rate variability"[tiab] OR (variability[tiab] AND (analysis[tiab] OR values[tiab])) OR (uncertainty[tiab] AND (measurement[tiab] OR measuring[tiab])) OR "standard error of measurement"[tiab] OR sensitiv*[tiab] OR responsive*[tiab] OR (limit[tiab] AND detection[tiab]) OR "minimal detectable concentration"[tiab] OR interpretab*[tiab] OR ((minimal[tiab] OR minimally[tiab] OR clinical[tiab] OR clinically[tiab]) AND (important[tiab] OR significant[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR (small*[tiab] AND (real[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR "meaningful change"[tiab] OR "ceiling effect"[tiab] OR "floor effect"[tiab] OR "Item response model"[tiab] OR IRT[tiab] OR Rasch[tiab] OR "Differential item functioning"[tiab] OR DIF[tiab] OR "computer adaptive testing"[tiab] OR "item bank"[tiab] OR "cross-cultural equivalence"[tiab])

#4 exclusie

NOT ('delphi-technique'[ti] OR cross-sectional[ti] OR "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development conference"[Publication Type] OR "consensus development conference, nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms])