Supplementary Online Content

Sultan P, Ando K, Elkhateb R, et al. Assessment of patient-reported outcome measures for maternal postpartum depression using the Consensus-Based Standards for the Selection of Health Measurement Instruments guideline: a systematic review. *JAMA Netw Open*. 2022;5(6):e2214885. doi:10.1001/jamanetworkopen.2022.14885

This supplementary material has been provided by the authors to give readers additional information about their work.

eAppendix 1. Literature Search Strategy

PubMed – July 1, 2019 – 6,082 results
("Delivery, Obstetric"[Mesh] OR "Labor, Induced"[Mesh] OR "Extraction, Obstetrical"[Mesh] OR "instrumental delivery" OR "vaginal delivery" OR "vaginal birth" OR "vacuum delivery" OR "vacuum assisted delivery" OR "forceps assisted delivery" OR childbirth) AND ("Postpartum Period"[Mesh] OR "Postnatal Care"[Mesh] OR intrapartum OR postpartum OR postnatal OR "Postoperative Complications"[Mesh] OR "Postoperative Care"[Mesh] OR "Postoperative Period"[Mesh] OR "postoperative" OR "post-operative" or "postsurgery" OR "post surgical" OR "postop" OR recovery OR "Recovery Room"[Mesh] OR "recovery room" OR "post-anesthesia" OR "post-anaesthesia" OR "pacu" OR ((post-anesthesia OR post-anaesthesia) AND acute care unit)) NOT ("Prenatal Care"[Mesh] OR "Prenatal Diagnosis"[Mesh] OR "Prenatal Education"[Mesh] OR prenatal OR antenatal)
AND (("Recovery of Function"[Mesh] OR "Activities of Daily Living"[Mesh] OR "Delayed Emergence from Anesthesia"[Mesh] OR "Fatigue"[Mesh] OR" Anesthesia Recovery Period"[Mesh] OR "Emergence Delirium"[Mesh] OR "Acclimatization"[Mesh] OR "Adaptation, Physiological"[Mesh] OR "Maternal Health"[Mesh] OR "maternal health" OR caretaker OR adaptation OR "fatigue" OR "eat" OR "eating" OR "drink" OR "drinking" OR "Postoperative Nausea and Vomiting"[Mesh] OR "Lethargy"[Mesh] OR nausea OR vomiting))
OR ("Female Urogenital Diseases and Pregnancy Complications"[Mesh] OR "Urinary Incontinence"[Mesh] OR "Uterine Prolapse"[Mesh] OR "Dysmenorrhea"[Mesh] OR "Fecal Incontinence"[Mesh] OR "Gastrointestinal Tract"[Mesh] OR "colorectal" OR "colon" OR rectum OR anus OR urogenital OR urological OR gynecological OR "urinary incontinence" OR "dysmenorrhea" OR "uterine prolapse" OR "fecal incontinence")
OR ("Pain Management"[Mesh] OR "Pain, Postoperative"[Mesh] OR "pain" OR "Myalgia"[Mesh] OR myalgia OR "Pelvic Pain"[Mesh] OR "Pain"[Mesh] OR "pelvic pain" OR "Headache"[Mesh] OR headache OR "Back Pain"[Mesh] OR "back pain")
OR (("Mental Health Recovery"[Mesh] OR "Anxiety"[Mesh] OR "Stress Disorders, Post-Traumatic"[Mesh] OR "Depression, Postpartum"[Mesh] OR "Psychotic Disorders"[Mesh] OR "Mood Disorders"[Mesh] OR "Suicidal Ideation"[Mesh] OR "Self-Injurious Behavior"[Mesh] OR "Mental Fatigue"[Mesh] OR "Emotional Adjustment"[Mesh] OR "Pleasure"[Mesh] OR "Happiness"[Mesh] OR "Motivation"[Mesh] OR "Guilt"[Mesh] OR "Social Desirability"[Mesh] OR "Hope"[Mesh] OR "Stress, Psychological"[Mesh] OR "Psychomotor Performance"[Mesh] OR "Appetite"[Mesh] OR "Personal Satisfaction"[Mesh] OR "Adaptation, Psychological"[Mesh] OR "Perception"[Mesh] OR "Bipolar Disorder"[Mesh] OR "Phobic Disorders"[Mesh] OR "Adjustment Disorders"[Mesh] OR "Dissociative Disorders"[Mesh] OR "Dissociative Identity Disorder"[Mesh] OR "Delirium"[Mesh] OR "Neurocognitive Disorders"[Mesh] OR "Cognitive Dysfunction"[Mesh] OR "Behavior"[Mesh] OR "Conduct Disorder"[Mesh] OR "Disruptive, Impulse Control, and Conduct Disorders"[Mesh] OR "Restless Legs Syndrome"[Mesh] OR "Substance-Related Disorders"[Mesh] OR "Personality"[Mesh] OR "Amnesia"[Mesh] OR "Depersonalization"[Mesh] OR "Factitious Disorders"[Mesh] OR "Somatoform Disorders"[Mesh] OR "Conversion Disorder"[Mesh] OR "psychological recovery" OR "mental health recovery" OR

"mental fatigue" OR "mental health" OR "depression" OR "depressing" OR "depressed" OR anxiety OR anxious OR perpetual psychosis OR "baby blues" OR "mood disorder" OR "self-harm" OR "suicidal ideation" OR "post-traumatic stress disorder" OR "ptsd" OR psychosis OR fatigue OR "emotional" OR (emotion AND control) OR "enjoy" OR enjoyable OR enjoyment OR motivation OR guilt OR wellbeing OR "worth" OR worthless OR worthlessness OR worthy OR "hope" OR hopeful OR hopeless OR hopelessness OR psychomotor OR "self-control" OR appetite OR coping OR perception OR "mania" OR "phobia" OR adjustment OR "reactive" OR dissociative OR "illness anxiety" OR conversion OR factitious OR depersonalization OR amnesia OR somatic OR substance abuse OR "restless leg" OR neurocognitive OR delirium))
OR ("Social Support"[Mesh] OR "Psychosocial Support Systems"[Mesh] OR "social support" OR "Social Adjustment"[Mesh] OR "Social Isolation"[Mesh] OR "Interpersonal Relations"[Mesh] OR "social isolation" OR "Social Adjustment"[Mesh] OR "Social Participation"[Mesh] OR "Social Behavior"[Mesh])
OR ("Sleep"[Mesh] OR "sleep" OR "sleeping" OR "awake" OR insomnia OR narcolepsy OR "Narcolepsy"[Mesh] OR "Sleep Initiation and Maintenance Disorders"[Mesh] OR "Sleep Latency"[Mesh] OR "sleep latency" OR "Sleep Wake Disorders"[Mesh])
OR ("Arousal"[Mesh] OR "Coitus"[Mesh] OR "Sexual Health"[Mesh] OR "Reproductive Health"[Mesh] OR Coitus OR intercourse OR "sexual health" OR "Sexual Dysfunctions, Psychological"[Mesh] OR "Orgasm"[Mesh] OR orgasm OR "Dyspareunia"[Mesh] OR dyspareunia)
OR ("Breast Feeding"[Mesh] OR "Object Attachment"[Mesh] OR "Infant Care"[Mesh] OR "breast feeding" OR bonding OR "infant care")
AND ((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])
NOT (("Delphi Technique"[Mesh] OR "Cross-Sectional Studies"[Mesh] 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]))
Filters: English

Web of Science – July 1, 2019 – 2,114 results
("Obstetric Delivery" OR "Induced Labor" OR "Obstetrical Extraction " OR "instrumental delivery" OR "vaginal delivery" OR "vaginal birth" OR "vacuum delivery" OR "vacuum assisted delivery" OR "forceps assisted delivery" OR childbirth) AND ("Postpartum Period" OR "Postnatal Care" OR intrapartum OR postpartum OR postnatal OR "Postoperative Complications" OR "Postoperative Care" OR "Postoperative Period" OR "postoperative" OR "post-operative" or "postsurgery" OR "post surgical" OR "postop" OR recovery OR "recovery room" OR "post-anesthesia" OR "post-anaesthesia" OR "pacu" OR ((post-anesthesia OR post-anaesthesia) AND acute care unit)) NOT ("Prenatal Care" OR "Prenatal Diagnosis" OR "Prenatal Education" OR prenatal OR antenatal)
AND ("Recovery of Function" OR "Activities of Daily Living" OR "Delayed Emergence from Anesthesia" OR "Fatigue" OR "Anesthesia Recovery Period" OR "Emergence Delirium" OR "Acclimatization" OR "Adaptation, Physiological" OR "Maternal Health" OR caretaker OR adaptation OR "fatigue" OR "eat" OR "eating" OR "drink" OR "drinking" OR "Postoperative Nausea and Vomiting" OR "Lethargy"

OR nausea OR vomiting) OR ("Female Urogenital Diseases and Pregnancy Complications" OR "Urinary Incontinence" OR "Uterine Prolapse" OR "Dysmenorrhea" OR "Fecal Incontinence" OR "Gastrointestinal Tract" OR "colorectal" OR "colon" OR rectum OR anus OR urogenital OR urological OR gynecological OR "urinary incontinence" OR "dysmenorrhea" OR "uterine prolapse" OR "fecal incontinence") OR ("Pain Management" OR "Pain, Postoperative" OR "pain" OR "Myalgia" OR "pelvic pain" OR "Headache" OR "back pain") OR ("Mental Health Recovery" OR "Anxiety" OR " Post-Traumatic Stress Disorders" OR "Postpartum Depression" OR "Psychotic Disorders" OR "Mood Disorders" OR "Suicidal Ideation" OR "Self-Injurious Behavior" OR "Mental Fatigue" OR "Emotional Adjustment" OR "Pleasure" OR "Happiness" OR "Motivation" OR "Guilt" OR "Social Desirability" OR "Stress" OR "Psychomotor Performance" OR "Appetite" OR "Personal Satisfaction" OR " Psychological Adaptation" OR "Perception" OR "Bipolar Disorder" OR "Phobic Disorders" OR "Adjustment Disorders" OR "Dissociative Disorders" OR "Dissociative Identity Disorder" OR "Delirium" OR "Neurocognitive Disorders" OR "Cognitive Dysfunction" OR "Behavior" OR "Conduct Disorder" OR "Disruptive, Impulse Control, and Conduct Disorders" OR "Restless Legs Syndrome" OR "Substance-Related Disorders" OR "Personality" OR "Amnesia" OR "Depersonalization" OR "Factitious Disorders" OR "Somatoform Disorders" OR "Conversion Disorder" OR "psychological recovery" OR "mental health" OR "depression" OR "depressing" OR "depressed" OR anxiety OR anxious OR perpetual psychosis OR "baby blues" OR "mood disorder" OR "self-harm" OR "ptsd" OR psychosis OR fatigue OR "emotional" OR (emotion AND control) OR "enjoy" OR enjoyable OR enjoyment OR wellbeing OR "worth" OR worthless OR worthlessness OR worthy OR "hope" OR hopeful OR hopeless OR hopelessness OR psychomotor OR "self-control" OR coping OR perception OR "mania" OR "phobia" OR adjustment OR "reactive" OR dissociative OR "illness anxiety" OR somatic OR neurocognitive OR delirium) OR ("Social Support" OR "Psychosocial Support Systems" OR "Social Adjustment" OR "Social Isolation" OR "Interpersonal Relations" OR "social isolation" OR "Social Adjustment" OR "Social Participation" OR "Social Behavior") OR ("Sleep" OR "sleeping" OR "awake" OR insomnia OR narcolepsy OR "Sleep Initiation and Maintenance Disorders" OR "sleep latency" OR "Sleep Wake Disorders") OR ("Arousal" OR "Coitus" OR "Sexual Health" OR "Reproductive Health" OR Coitus OR intercourse OR "Sexual Dysfunctions" OR orgasm OR dyspareunia) OR ("Breast Feeding" OR "Object Attachment" OR "Infant Care" OR bonding)
AND (((instrumentation OR methods OR "Validation Studies" OR "Comparative Study" OR "psychometrics" OR psychometr* OR clinimetr* OR clinometr* OR "health care outcome assessment" OR "outcome assessment" OR "outcome measure*" OR "observer variation" OR "observer variation" OR "Health Status Indicators" OR "reproducibility of results" OR reproducib* OR "discriminant analysis" OR reliab* OR unreliab* OR valid* OR "coefficient of variation" OR coefficient OR homogeneity OR homogeneous OR "internal consistency" OR (cronbach* AND (alpha OR alphas)) OR (item AND (correlation* OR selection* OR reduction*)) OR agreement OR precision OR imprecision OR "precise values" OR test-retest OR (test AND retest) OR (reliab* AND (test OR retest)) OR stability OR interrater OR inter-rater OR intrarater OR intra-rater OR intertester OR inter-tester OR intratester OR intra-tester OR interobserver OR inter-observer OR intraobserver OR intra-observer OR intertechnician OR inter-technician OR intratechnician OR intra-technician OR interexaminer OR inter-examiner OR intraexaminer OR intra-

examiner OR interassay OR inter-assay OR intraassay OR intra-assay OR interindividual OR inter-individual OR intraindividual OR intra-individual OR interparticipant OR inter-participant OR intraparticipant OR intra-participant OR kappa OR kappa's OR kappas OR repeatab* OR ((replicab* OR repeated) AND (measure OR measures OR findings OR result OR results OR test OR tests)) OR generaliza* OR generalisa* OR concordance OR (intraclass AND correlation*) OR discriminative OR "known group" OR "factor analysis" OR "factor analyses" OR "factor structure" OR "factor structures" OR dimension* OR subscale* OR (multitrait AND scaling AND (analysis OR analyses)) OR "item discriminant" OR "interscale correlation*" OR error OR errors OR "individual variability") OR "interval variability" OR "rate variability" OR (variability AND (analysis OR values)) OR (uncertainty AND (measurement OR measuring)) OR "standard error of measurement" OR sensitiv* OR responsive* OR (limit AND detection) OR "minimal detectable concentration" OR interpretab* OR ((minimal OR minimally OR clinical OR clinically) AND (important OR significant OR detectable) AND (change OR difference)) OR (small* AND (real OR detectable) AND (change OR difference)) OR "meaningful change" OR "ceiling effect" OR "floor effect" OR "Item response model" OR IRT OR Rasch OR "Differential item functioning" OR DIF OR "computer adaptive testing" OR "item bank" OR "cross-cultural equivalence"))
NOT (((("Delphi Technique" OR "Cross-Sectional Studies" OR "addresses" OR "biography" OR "case reports" OR "comment" OR "directory" OR "editorial" OR "festschrift" OR "interview" OR "lectures" OR "legal cases" OR "legislation" OR "letter" OR "news" OR "newspaper article" OR "patient education handout" OR "popular works" OR "congresses" OR "consensus development conference" OR "nih consensus development conference" OR "practice guideline") NOT ("animals" NOT "humans")))
Filters: English

CINAHL – July 1, 2019 – 1,035 results
(MH "Labor, Induced" OR MH "Vacuum Extraction, Obstetrical" OR MH "Delivery, Obstetric" OR MH "Vaginal Birth" OR "Delivery, Obstetric" OR "Labor, Induced" OR "Extraction, Obstetrical" OR "instrumental delivery" OR "vaginal delivery" OR "vaginal birth" OR "vacuum delivery" OR "vacuum assisted delivery" OR "forceps assisted delivery" OR childbirth) AND (MH "Postnatal Care" OR MH "Postnatal Period" OR MH "Postoperative Period" OR MH "Postoperative Care" OR MH "Post Anesthesia Care" OR "Postpartum Period" OR "Postnatal Care" OR intrapartum OR postpartum OR postnatal OR "Postoperative Complications" OR "Postoperative Care" OR "Postoperative Period" OR "postoperative" OR "post-operative" or "postsurgery" OR "post surgical" OR "postop" OR recovery OR "recovery room" OR "post-anesthesia" OR "post-anaesthesia" OR "pacu" OR ((post-anesthesia OR post-anaesthesia) AND acute care unit)) NOT ("Prenatal Care" OR "Prenatal Diagnosis" OR "Prenatal Education" OR prenatal OR antenatal)
AND ((MH "Recovery") OR (MH "Anesthesia Recovery") OR (MH "Activities of Daily Living") OR (MH "Physical Activity") OR (MH "Delirium") OR (MH "Adaptation, Physiological") OR (MH "Adaptation, Psychological") OR (MH "Acclimatization") OR (MH "Nausea") OR (MH "Nausea and Vomiting") OR (MH "Vomiting") OR (MH "Appetite") OR (MH "Fatigue") OR (MH "Mental Fatigue") OR (MH "Muscle Fatigue") OR (MH "Incontinence") OR (MH "Uterine Prolapse") OR (MH "Uterine Hemorrhage") OR (MH "Rectal Prolapse") OR (MH "Uterine

Inversion") OR (MH "Metrorrhagia") OR (MH "Pelvic Organ Prolapse") OR (MH "Uterine Rupture") OR (MH "Pelvic Pain") OR (MH "Abdominal Pain") OR (MH "Postoperative Pain") OR (MH "Back Pain") OR (MH "Pain") OR (MH "Depression") OR (MH "Depression, Postpartum") OR (MH "Bipolar Disorder") OR (MH "Stress") OR (MH "Stress Disorders, Post-Traumatic") OR (MH "Pleasure") OR (MH "Hope") OR (MH "Optimism") OR (MH "Hopelessness") OR (MH "Self Concept") OR (MH "Personality") OR (MH "Amnesia") OR (MH "Breast Feeding") OR (MH "Mental Health") OR (MH "Sexual Health") OR (MH "Sexual Dysfunction, Female") OR (MH "Coitus") OR (MH "Self-Injurious Behavior") OR (MH "Personal Satisfaction") OR (MH "Sexual Satisfaction") OR (MH "Headache") OR (MH "Muscle Pain") OR (MH "Anxiety") OR (MH "Adjustment Disorders") OR (MH "Dyssomnias") OR (MH "Sleep") OR (MH "Sleep-Wake Transition Disorders") OR (MH "Parasomnias") OR (MH "Sleep Arousal Disorders") OR (MH "Sleep Disorders") OR (MH "Social Behavior Disorders") OR (MH "Social Anxiety Disorders") OR (MH "Social Adjustment") OR (MH "Social Isolation") OR (MH "Parent-Infant Bonding") OR (MH "Infant Care") OR (MH "Perception") OR (MH "Dissociative Disorders") OR (MH "Suicidal Ideation") OR (MH "Happiness") OR (MH "Motivation") OR (MH "Phobic Disorders") OR (MH "Cognition Disorders") OR (MH "Behavior") OR (MH "Parental Behavior") OR (MH "Emotions") OR "Recovery of Function" OR "Activities of Daily Living" OR "Delayed Emergence from Anesthesia" OR "Fatigue" OR "Anesthesia Recovery Period" OR "Emergence Delirium" OR "Acclimatization" OR "Adaptation, Physiological" OR "Maternal Health" OR caretaker OR adaptation OR "fatigue" OR "eat" OR "eating" OR "drink" OR "drinking" OR "Postoperative Nausea and Vomiting" OR "Lethargy" OR nausea OR vomiting) OR ("Female Urogenital Diseases and Pregnancy Complications" OR "Urinary Incontinence" OR "Uterine Prolapse" OR "Dysmenorrhea" OR "Fecal Incontinence" OR "Gastrointestinal Tract" OR "colorectal" OR "colon" OR rectum OR anus OR urogenital OR urological OR gynecological OR "urinary incontinence" OR "dysmenorrhea" OR "uterine prolapse" OR "fecal incontinence") OR ("Pain Management" OR "Pain, Postoperative" OR "pain" OR "Myalgia" OR "pelvic pain" OR "Headache" OR "back pain") OR ("Mental Health Recovery" OR "Anxiety" OR " Post-Traumatic Stress Disorders" OR "Postpartum Depression" OR "Psychotic Disorders" OR "Mood Disorders" OR "Suicidal Ideation" OR "Self-Injurious Behavior" OR "Mental Fatigue" OR "Emotional Adjustment" OR "Pleasure" OR "Happiness" OR "Motivation" OR "Guilt" OR "Social Desirability" OR "Stress" OR "Psychomotor Performance" OR "Appetite" OR "Personal Satisfaction" OR " Psychological Adaptation" OR "Perception" OR "Bipolar Disorder" OR "Phobic Disorders" OR "Adjustment Disorders" OR "Dissociative Disorders" OR "Dissociative Identity Disorder" OR "Delirium" OR "Neurocognitive Disorders" OR "Cognitive Dysfunction" OR "Behavior" OR "Conduct Disorder" OR "Disruptive, Impulse Control, and Conduct Disorders" OR "Restless Legs Syndrome" OR "Substance-Related Disorders" OR "Personality" OR "Amnesia" OR "Depersonalization" OR "Factitious Disorders" OR "Somatoform Disorders" OR "Conversion Disorder" OR "psychological recovery" OR "mental health" OR "depression" OR "depressing" OR "depressed" OR anxiety OR anxious OR perpetual psychosis OR "baby blues" OR "mood disorder" OR "self-harm" OR "ptsd" OR psychosis OR fatigue OR "emotional" OR (emotion AND control) OR "enjoy" OR enjoyable OR enjoyment OR wellbeing OR "worth" OR worthless OR worthlessness OR worthy OR "hope" OR hopeful OR hopeless OR hopelessness OR psychomotor OR "self-control" OR coping OR perception OR "mania" OR "phobia" OR

adjustment OR "reactive" OR dissociative OR "illness anxiety" OR somatic OR neurocognitive OR delirium) OR ("Social Support" OR "Psychosocial Support Systems" OR "Social Adjustment" OR "Social Isolation" OR "Interpersonal Relations" OR "social isolation" OR "Social Adjustment" OR "Social Participation" OR "Social Behavior") OR ("Sleep" OR "sleeping" OR "awake" OR insomnia OR narcolepsy OR "Sleep Initiation and Maintenance Disorders" OR "sleep latency" OR "Sleep Wake Disorders") OR ("Arousal" OR "Coitus" OR "Sexual Health" OR "Reproductive Health" OR Coitus OR intercourse OR "Sexual Dysfunctions" OR orgasm OR dyspareunia) OR ("Breast Feeding" OR "Object Attachment" OR "Infant Care" OR bonding)

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

NOT ((("Delphi Technique" OR "Cross-Sectional Studies" OR "addresses" OR "biography" OR "case reports" OR "comment" OR "directory" OR "editorial" OR "festschrift" OR "interview" OR "lectures" OR "legal cases" OR "legislation" OR "letter" OR "news" OR "newspaper article" OR "patient education handout" OR "popular works" OR "congresses" OR "consensus development conference" OR "nih consensus development conference" OR "practice guideline") NOT ("animals" NOT "humans")))

Filters: English, Academic Journals and Dissertations

EMBASE – July 1, 2019 – 981 results
('delivery, obstetric'/de OR 'labor, induced'/de OR 'extraction, obstetrical'/de OR 'instrumental delivery'/de OR 'vaginal delivery'/de OR 'vaginal birth'/de OR 'vacuum delivery'/de OR 'vacuum assisted delivery'/de OR 'forceps assisted delivery' OR 'childbirth'/de) AND ('postpartum period'/de OR 'postnatal care'/de OR intrapartum OR 'postpartum'/de OR postnatal OR 'postoperative complications'/de OR 'postoperative care'/de OR 'postoperative period'/de OR 'postoperative' OR 'post-operative' OR 'postsurgery' OR 'post surgical' OR 'postop' OR 'recovery'/de OR 'recovery room'/de OR 'post-anesthesia' OR 'post-anaesthesia' OR 'pacu' OR (('post anesthesia' OR 'post anaesthesia') AND acute AND 'care'/de AND 'unit'/de))
AND 'recovery of function'/de OR 'activities of daily living'/de OR 'delayed emergence from anesthesia'/de OR 'anesthesia recovery period'/de OR 'emergence delirium'/de OR 'acclimatization'/de OR 'adaptation, physiological'/de OR 'maternal health'/de OR caretaker OR 'adaptation'/de OR 'eat' OR 'eating'/de OR 'drink' OR 'drinking'/de OR 'postoperative nausea and vomiting'/de OR 'lethargy'/de OR 'nausea'/de OR 'vomiting'/de OR 'female urogenital diseases and pregnancy complications'/de OR 'gastrointestinal tract'/de OR 'colorectal' OR 'colon'/de OR 'rectum'/de OR 'anus'/de OR urogenital OR urological OR gynecological OR 'urinary incontinence'/de OR 'dysmenorrhea'/de OR 'uterine prolapse'/de OR 'fecal incontinence'/de OR 'pain management'/de OR 'pain, postoperative'/de OR 'pain'/de OR 'myalgia'/de OR 'pelvic pain'/de OR 'headache'/de OR 'back pain'/de OR (('mental health recovery'/de OR 'post-traumatic stress disorders' OR 'postpartum depression'/de OR 'psychotic disorders'/de OR 'mood disorders'/de OR 'suicidal ideation'/de OR 'self-injurious behavior'/de OR 'mental fatigue'/de OR 'emotional adjustment'/de OR 'pleasure'/de OR 'happiness'/de OR 'motivation'/de OR 'guilt'/de OR 'social desirability'/de OR 'stress'/de OR 'psychomotor performance'/de OR 'appetite'/de OR 'personal satisfaction'/de OR 'psychological adaptation'/de OR 'perception'/de OR 'bipolar disorder'/de OR 'phobic disorders'/de OR 'adjustment disorders'/de OR 'dissociative disorders'/de OR 'dissociative identity disorder'/de OR 'delirium'/de OR 'neurocognitive disorders'/de OR 'cognitive dysfunction'/de OR 'behavior'/de OR 'conduct disorder'/de OR 'disruptive, impulse control, and conduct disorders'/de OR 'restless legs syndrome'/de OR 'substance-related disorders'/de OR 'personality'/de OR 'amnesia'/de OR 'depersonalization'/de OR 'factitious disorders'/de OR 'somatoform disorders'/de OR 'conversion disorder'/de OR 'psychological recovery' OR 'mental health'/de OR 'depression'/de OR 'depressing' OR 'depressed' OR 'anxiety'/de OR anxious OR perpetual) AND 'psychosis'/de) OR 'baby blues' OR 'mood disorder'/de OR 'self-harm'/de OR 'ptsd'/de OR 'psychosis'/de OR 'fatigue'/de OR 'emotional' OR ('emotion'/de AND 'control'/de) OR 'enjoy' OR enjoyable OR 'enjoyment'/de OR 'wellbeing'/de OR 'worth' OR worthless OR 'worthlessness'/de OR worthy OR 'hope'/de OR hopeful OR hopeless OR 'hopelessness'/de OR psychomotor OR 'self-control'/de OR 'coping'/de OR 'perception'/de OR 'mania'/de OR 'phobia'/de OR 'adjustment'/de OR 'reactive' OR dissociative OR 'illness anxiety' OR somatic OR neurocognitive OR 'delirium'/de OR 'social support'/de OR 'psychosocial support systems'/de OR 'interpersonal relations'/de OR 'social isolation'/de OR 'social adjustment'/de OR 'social participation'/de OR 'social behavior'/de OR 'sleep'/de OR 'sleeping'/de OR 'awake'/de OR 'insomnia'/de OR 'narcolepsy'/de OR 'sleep initiation and maintenance disorders'/de OR 'sleep latency'/de OR 'sleep wake disorders'/de OR

'arousal'/de OR 'sexual health'/de OR 'reproductive health'/de OR 'coitus'/de OR 'intercourse'/de OR 'sexual dysfunctions' OR 'orgasm'/de OR 'dyspareunia'/de OR 'breast feeding'/de OR 'object attachment'/de OR 'infant care'/de OR 'bonding'/de
AND ('instrumentation'/de OR 'methods'/de OR 'validation studies'/de OR 'comparative study'/de OR 'psychometrics'/de OR psychometr* OR clinimetr* OR clinometr* OR 'health care outcome assessment' OR 'outcome assessment'/de OR 'outcome measure*' OR 'observer variation'/de OR 'health status indicators'/de OR 'reproducibility of results'/de OR reproducib* OR 'discriminant analysis'/de OR reliab* OR unreliab* OR valid* OR 'coefficient of variation'/de OR coefficient OR 'homogeneity'/de OR homogeneous OR 'internal consistency'/de OR (cronbach* AND (alpha OR alphas)) OR (item AND (correlation* OR selection* OR reduction*)) OR 'agreement'/de OR 'precision'/de OR imprecision OR 'precise values' OR 'test retest' OR ('test'/de AND retest) OR (reliab* AND ('test'/de OR retest)) OR 'stability'/de OR interrater OR 'inter rater' OR intrarater OR 'intra rater' OR intertester OR 'inter tester' OR intratester OR 'intra tester' OR interobserver OR 'inter observer' OR intraobserver OR 'intra observer' OR intertechnician OR 'inter technician' OR intratechnician OR 'intra technician' OR interexaminer OR 'inter examiner' OR intraexaminer OR 'intra examiner' OR interassay OR 'inter assay' OR intraassay OR 'intra assay' OR interindividual OR 'inter individual' OR intraindividual OR 'intra individual' OR interparticipant OR 'inter participant' OR intraparticipant OR 'intra participant' OR kappa OR kappas OR repeatab* OR ((replicab* OR repeated) AND (measure OR measures OR findings OR result OR results OR 'test'/de OR tests)) OR generaliza* OR generalisa* OR 'concordance'/de OR (intraclass AND correlation*) OR discriminative OR 'known group' OR 'factor analysis'/de OR 'factor analyses' OR 'factor structure'/de OR 'factor structures' OR dimension* OR subscale* OR (multitrait AND 'scaling'/de AND ('analysis'/de OR analyses)) OR 'item discriminant' OR 'interscale correlation*' OR 'error'/de OR errors OR 'individual variability' OR 'interval variability' OR 'rate variability' OR ('variability'/de AND ('analysis'/de OR values)) OR ('uncertainty'/de AND ('measurement'/de OR measuring)) OR 'standard error of measurement'/de OR sensitiv* OR responsive* OR (limit AND 'detection'/de) OR 'minimal detectable concentration' OR interpretab* OR ((minimal OR minimally OR 'clinical'/de OR clinically) AND (important OR significant OR detectable) AND ('change'/de OR difference)) OR (small* AND (real OR detectable) AND ('change'/de OR difference)) OR 'meaningful change' OR 'ceiling effect'/de OR 'floor effect'/de OR 'item response model' OR irt OR rasch OR 'differential item functioning'/de OR dif OR 'computer adaptive testing'/de OR 'item bank' OR 'cross-cultural equivalence')
NOT (('delphi technique'/de OR 'cross-sectional studies'/de OR 'addresses' OR 'biography'/de OR 'case reports' OR 'comment' OR 'directory'/de OR 'editorial'/de OR 'festschrift' OR 'interview'/de OR 'lectures' OR 'legal cases' OR 'legislation'/de OR 'letter'/de OR 'news' OR 'newspaper article' OR 'patient education handout' OR 'popular works' OR 'congresses'/de OR 'consensus development conference'/de OR 'nih consensus development conference' OR 'practice guideline'/de OR NOT ("Prenatal Care" OR "Prenatal Diagnosis" OR "Prenatal Education" OR prenatal OR antenatal OR 'animals'/de))
Filters: English

Total = 10,212
Endnote duplicate and animal removal = 8,585
Rayyan duplicate removal = 8,008

eAppendix 2. Proposed domains of postpartum depression

Affective	Behavioral	Somatic	Interference
Low mood / sad / happiness / depressed / blue / enjoyment		Weight (increase / decrease)	Work
Anxiety		Psychomotor agitation / retardation (decreased physical movement)	Relationships
Anger		Fatigue Loss of energy / tiredness	Social functioning
Irritability		Slow thought process /alertness	Looks / appearance
Restlessness / calmness		Reduced concentration / indecisiveness / muddled / forgetful / focus	Maternal-neonatal bonding
Emotional lability / emotional numbness / over emotional		Aches / pains, upset stomach constipation	Sexual function
Worthlessness / inappropriate guilt / blame (may be delusional)	Tearfulness	Changes in taste/food does not taste good	Breastfeeding
Tense	Scared / panicky / fear	Weak	Ability to care for self
Helplessness	Able to laugh		Ability to care for child
Hopelessness	Appetite (Increase / decrease)		Sleep
Stress	Self-harm behaviors		
Loneliness			
Desire to be alone			
Overwhelmed			
Overly sensitive			
Loss of interest / pleasure			
Difficult to show feelings			
Brooding on things			
Self-esteem / lack of confidence			
Feel like a failure / letting everyone down			
Feel everything is a burden / effort			
Feel like being punished			
Self-disappointment / feeling sorry for self			
Cannot overcome difficulties / face up to problems			
Thoughts of self-harm			
Suicidal ideation / Thoughts of death			
Thoughts of harming the baby			

Affective- a subjective feeling or thought process (all items can be preceded by: "I feel….")
Behavioral- a behavior which can easily be seen objectively by another person
Somatic- feelings which have a physical manifestation or consequence
Interference – a patient's psychological state is interfering with different aspects of functioning

Assessment of Content Validity: Adequate content validity can be considered for a patient-reported outcome measure if ≥75% (≥3) of the above domains are assessed using any given measure

The following 2 PROM items were felt to not be consistent with a diagnosis postpartum depression and are not present in the above table:
- dissociation (Hopkins Symptom Checklist-10);
- faintness / dizziness (Hopkins Symptom Checklist-10)

eTable 1. Summary of validation studies for each patient-reported outcome measures (PROMs) of postnatal depression

First Author	Year	Country of Study	Language of instrument	Patient number (n)	Response Rate %	Methodology
Beck Depression Inventory I						
Harris[a]	1989	UK	English	126-129	86-88	Adequate
Ji[a]	2011	USA	English	534	75	Very good
Lau[a]	2010	China	Chinese	300-343	Not stated	Very good
Beck Depression Inventory II						
Beck[a]	2001	USA	English	150	Not stated	Very good
Chaudron[a]	2010	USA	English	198	31	Very good
Lara[a]	2013	Mexico	Spanish	136	36	Very good
Teng[a]	2005	Taiwan, China	Taiwanese	175-328	53-82	Very good
Wan Mahmud[a]	2004	Malaysia	Malay	61-354	Not stated	Adequate
Center for Epidemiologic Studies Depression Scale						
Beeghly	2002	USA	English	106-177	60	Very good
Sasaki[a]	2019	Japan	Japanese	80	93	Very good
Edinburgh Postnatal Depression Scale						
Alvarado-Esquivel	2006	Mexico	Spanish	49-51	Not stated	Very good
Bassi	2017	Italy	Italian	81	98	Adequate
Beck[a]	2001	USA	English	150	Not stated	Very good
Bunevicius	2009	Lithuania	Lithuanian	94	Not stated	Very good
Chaudron[a]	2010	USA	English	198	31	Very good
Chibanda	2010	Zimbabwe	Shona	210	94	Very good
Coo	2015	Australia	English	96 -101	78-82	Very good
Condon[a]	1997	Australia	English	202-212	78-82	Very good
Cox	1987	UK	English	84	Not stated	Very good
Doering Runquist	2009	USA	English	43	63	Very good
Dorheim	2014	Norway	Norwegian	2386	51	Very good
Edhborg	2011	Bangladesh	Bangladeshi	672	93	Very good
Felice	2005	Malta	Maltese	223	93	Doubtful
Garcia-Esteve	2003	Spain	Spanish	1201	Not stated	Very good
Giallo	2015	Australia	English	1099 - 1390	73-92	Very good
Glavin	2010	Norway	Norwegian	146 - 186	64-82	Very good
Hanusa[a]	2008	USA	English	87- 93	70-76	Very good
Harris[a]	1989	UK	English	126-129	86-88	Adequate
Heron	2009	UK	English	203-207	59-60	Very good
Ji[a]	2011	USA	English	534	75	Very good
Khalifa[a]	2018	Sudan	Arabic	223	74	Doubtful
Lau[a]	2010	China	Chinese	300-343	Not stated	Adequate
Lee[a]	2000	China	Chinese	145	66	Adequate
Mazhari[a]	2007	Iran	Persian	200	Not stated	Very good
Montezeri	2007	Iran	Persian	100	Not stated	Very good
Murray	1990	UK	English	674	96	Very good
Mwape[a]	2019	Zambia	English	300	Not stated	Adequate
Navarro[a]	2007	Spain	Spanish	405	95	Very good
Pitanupong	2007	Thailand	Thai	351	57	Very good

Rowel	2008	Sri Lanka	Sinhalese	204	Not stated	Very good
Sasaki[a]	2019	Japan	Japanese	80	93	Very good
Smith-Nielsen	2018	Denmark	Danish	320	91	Adequate
Teng[a]	2005	Taiwan, China	Taiwanese	175-328	53-82	Very good
Thompson[a]	1998	UK	English	242	78	Adequate
Wan Mahmud[a]	2004	Malyasia	Malay	61-354	Not stated	Very good
Yonkers	2001	USA	English	802	90	Very good
General Health Questionnaire-12						
Aguado	2012	Spain	Spanish	1453	Not stated	Adequate
Lee[a]	2000	China	Chinese	145	66	Very good
Mazhari [a]	2007	Iran	Persian	200	Not stated	Very good
Mwape[a]	2019	Zambia	English	300	Not stated	Adequate
Navarro[a]	2007	Spain	Spanish	405	95	Very good
Hopkins Symptom Checklist-10						
Khalifa[a]	2018	Sudan	Arabic	223	74	Doubtful
Hospital Anxiety and Depression Scale						
Condon[a]	1997	Australia	English	202-212	78-82	Very good
Thompson[a]	1998	UK	English	242	78	Adequate
Patient Health Questionnnaire-9						
Hanusa[a]	2008	USA	English	87- 93	71-76	Adequate
Postpartum Depression Screening Scale						
Beck	2000	USA	English	525	100	Very good
Beck	2003	USA	Spanish	377	Not stated	Very good
Beck[a]	2001	USA	English	150	Not stated	Adequate
Blucker	2014	USA	English	110- 385	100	Very good
Lara[a]	2013	Mexico	Spanish	136	36	Very good
Pereira	2013	Portugal	Portuguese	453	93	Very good
Zung Self Rating Depression Scale						
Condon[a]	1997	Australia	English	202-212	78-82	Very good

a= includes studies evaluating >1 validated PROM used to screen for maternal postpartum depression; response rates presented as a range where different groups or time points within the study reported; methodology reported according to the COSMIN risk of bias checklist using a 'worst score counts' principle and evaluated related to measurement property assessed.

eTable 2. Risk of bias assessment of methods, reported results, individual and overall ratings and GRADE level of evidence from validation studies

Instrument	Study Author, Year	Methods (risk of bias) Assessment	Individual results reported in included studies for each psychometric property	Rating of individual results	Overall rating	GRADE level of evidence
			Structural validity			
Beck Depression Inventory I		Not assessed	Not assessed	?	?	NA
Beck Depression Inventory II	Wan Mahmud,[a] 2004[1]	Adequate	Exploratory factor analysis using varimax rotational methods	?	?	Low (Adequate sample size, but unknown response rate)
Center for Epidemiologic Studies Depression Scale		Not assessed	Not assessed	?	?	NA
Edinburgh Postnatal Depression Score	Giallo, 2015[2]	Very good	At 6 months: $\chi2$ (35, n=1390) = 391.88, p<0.001, RMSEA=0.09, TLI=0.96, CFI=0.97; At 4 years $\chi2$ (35, n=1099)=273.93, p<0.001, RMSEA=0.08, TLI=0.98, CFI=0.99	+	+	Moderate (Convenience sampling, adequate sample size, missing data not reported. eligibility/ response rates not reported in 1 study[3])
	Lau,[a] 2010[3]	Very good	SRMR=0.0516, RMSEA=0.048, CFI=0.991, p<0.001	+		
	Smith-Nielsen, 2019[4]	Adequate	Exploratory factor analysis employing the oblique rotation (promax)	?		
General Health Questionnaire-12	Aguado, 2012[5]	Very good	CFA=0.048, RMSEA CFI=0.990	+	+	Low (Convenience sampling from another study, unknown response rate)
Hopkins Symptom Checklist-10		Not assessed	Not assessed	?	?	NA
Hospital Anxiety and Depression Scale		Not assessed	Not assessed	?	?	NA
Patient Health Questionnnaire-9		Not assessed	Not assessed	?	?	NA
Postpartum Depression Screening Scale	Beck, 2003[6]	Very good	CFI=0.80, RMSEA=0.089, SRMR=0.066	-	-	Moderate (Convenience sampling, adequate sample size in both studies. 100% response rate. Missing data not known,[6] 1 patient removed[7])
	Blucker, 2014[7]	Very good	5-factor model had reasonable fit: $\chi2$=1339.70 (550); P<0.01; CFI=0.85; root RMSEA=0.06; 90% CI=0.058 to 0.067. In study 2, CFA was used to test the construct validity or goodness of fit of the 7-factor and 5-factor models. Results for the 7-factor model indicated unacceptable fit: $\chi2$ (539)=959.10; P<0.01; CFI=0.76; and RMSEA=0.09. The 5-factor model was also poor: $\chi2$ (550)=992.95; P<0.01; CFI=0.75; and RMSEA=0.09	-		
Zung Depression scale		Not assessed	Not assessed	?	?	NA

			Internal consistency			
Beck Depression Inventory I	Lau,[a] 2010[3]	Very good	Cronbach's α=0.87	+	+	Low (Adequate sample size but unknown response rate)
Beck Depression Inventory II	Wan Mahmud,[a] 2004[1]	Very good	Cronbach's α =0.89	+	+	Low (Adequate sample size but unknown response rate)
Center for Epidemiologic Studies Depression Scale		Not assessed	Not assessed	?	?	NA
Edinburgh Postnatal Depression Score	Bassi, 2017[8]	Very good	Cronbach's α=0.79	+	+	Moderate (Convenience sampling with Low (3 studies[8,9,10]) and Very low sample size (1 study[11]) Response rate unknown (3 studies[3,9,12])
	Bunevicius, 2009[13]	Very good	Cronbach's α=0.83	+		
	Chibanda, 2010[14]	Very good	Cronbach's α=0.87	+		
	Coo, 2015[10]	Very good	Cronbach's α at 7-10 days and 10-12 weeks were 0.84, and 0.88, respectively	+		
	Cox, 1987[9]	Very good	Standardized α -coefficient 0.87	+		
	Doering Runquist, 2009[11]	Very good	Cronbach's α: 1 month=0.89, 3 months=0.90, and 6 month=0.87	+		
	Dorheim, 2014[15]	Very good	Cronbach's α=0.86 at 8 weeks	+		
	Edhborg, 2011[16]	Very good	Cronbach's α=0.70	+		
	Felice, 2005[17]	Very good	Cronbach's α=0.98	+		
	Giallo, 2015[2]	Very good	Cronbach's α=0.85 at 6 months	+		
	Glavin, 2010[18]	Very good	Cronbach's α=0.81	+		
	Khalifa,[a] 2018[19]	Very good	Cronbach's α=0.83	+		
	Lau,[a] 2010[3]	Very good	Cronbach's α=0.78	+		
	Mazhari,[a] 2007[20]	Very good	Cronbach's α=0.83	+		
	Montazeri, 2007[12]	Very good	Cronbach's α=0. 77 at T1, 0.86 at T2	+		
	Pitanupong, 2007[21]	Very good	Internal consistency=0.8	+		
	Smith-Nielsen, 2018[4]	Very good	Cronbach's α=0.822	+		
	Teng,[a] 2005[22]	Very good	Cronbach's α=0.87	+		
General Health Questionnaire-12		Not assessed	Not assessed	?	?	NA
Hopkins Symptom Checklist-10	Khalifa,[a] 2018[19]	Very good	Internal consistency=0.77	+	+	Moderate (Adequate sample size and response rate. No missing data reported)
Hospital Anxiety and Depression Scale		Not assessed	?	?	?	N/A
Patient Health Questionnaire-9		Not assessed	?	?	?	N/A
Postpartum Depression Screening Scale	Beck, 2003[6]	Very good	Cronbach's α=0.95 total + [0.94 (Mexican), 0.96 (Puerto Rican), 0.93 (other)]	+	+	Moderate (Good sample size, response rate 36%[23], missing data only reported in 1 study[7])
	Beck, 2000[24]	Very good	α internal consistency reliabilities ranged from 0.83 (sleeping/eating disturbances) to 0.94 (loss of self).	+		
	Beck,[a] 2001[25]	Very good	Cronbach's α=0.8 to 0.91	+		
	Blucker, 2014[7]	Very good	Internal consistency=0.95	+		
	Lara,[a] 2013[23]	Very good	Cronbach's α=0.96 for T1 and T2	+		
	Pereira,[a] 2013[26]	Very good	Cronbach's α=0.96	+		
Zung Depression scale	Not assessed	Not assessed	Not assessed	?	?	NA

Cross cultural validity/ Measurement invariance						
Beck Depression Inventory I		Not assessed	Not assessed	?	?	NA
Beck Depression Inventory II		Not assessed	Not assessed	?	?	NA
Center for Epidemiologic Studies Depression Scale		Not assessed	Not assessed	?	?	NA
Edinburgh Postnatal Depression Score	Felice, 2005[17]	Doubtful	Correlation between Maltese and English versions (r=0.95; p<0.001)	?	?	Very Low (High risk of bias due to doubtful methodological quality; Excellent response rate, low withdrawal rate, missing data not reported)
General Health Questionnaire-12		Not assessed	Not assessed	?	?	NA
Hopkins Symptom Checklist-10		Not assessed	Not assessed	?	?	NA
Hospital Anxiety and Depression Scale		Not assessed	Not assessed	?	?	NA
Patient Health Questionnaire-9		Not assessed	Not assessed	?	?	NA
Postpartum Depression Screening Scale		Not assessed	Not assessed	?	?	NA
Zung Depression scale		Not assessed	Not assessed	?	?	NA
Reliability						
Beck Depression Inventory I		Not assessed	Not assessed	?	?	NA
Beck Depression Inventory II		Not assessed	Not assessed	?	?	NA
Center for Epidemiologic Studies Depression Scale		Not assessed	Not assessed	?	?	NA
Edinburgh Postnatal Depression Score	Khalifa,[a] 2018[19]	Doubtful	Correlation coefficient=0.57; p< 0.001). Reliable change index of >1.96	-	+/-	Low Mixed bias assessment, response rate not reported[3,12,27]
	Lau,[a] 2010[3]	Adequate	ICC=0.90	+		
	Montazeri, 2007[12]	Very good	ICC=0.80	+		
	Rowel, 2008[27]	Very good	ICC=0.96 (95% CI=0.86 - 0.99).	+		
	Thompson, 1998[28]	Doubtful	Unclear of stability, Pearson correlation of 0.75-0.76	?		
General Health Questionnaire-12	Aguado, 2012[5]	Adequate	ICC 0.52-0.89	?	?	Low Serious risk of bias due to methodology assessment, response rate not reported
Hopkins Symptom Checklist-10	Khalifa,[a] 2018[19]	Doubtful	Reliable change index of ≥1.85 by HSCL-10	?	?	Very low Very low risk of bias. Good sample size and response rate known, no missing data reported.
Hospital Anxiety and Depression Scale		Not assessed	Not assessed	?	?	NA
Patient Health Questionnaire-9		Not assessed	Not assessed	?	?	NA

Postpartum Depression Screening Scale	Pereira,[a] 2013[26]	Very good	ICC >0.7 from loss of appetite	+	+	Moderate (Convenience sample, good sample size good response rate, no missing data reported)
Zung Depression scale	Condon,[a] 1997[29]	Not assessed	Not assessed	?	?	NA
Measurement error						
Beck Depression Inventory I		Not assessed	Not assessed	?	?	NA
Beck Depression Inventory II		Not assessed	Not assessed	?	?	NA
Center for Epidemiologic Studies Depression Scale		Not assessed	Not assessed	?	?	NA
Edinburgh Postnatal Depression Score		Not assessed	Not assessed	?	?	NA
General Health Questionnaire-12		Not assessed	Not assessed	?	?	NA
Hopkins Symptom Checklist-10		Not assessed	Not assessed	?	?	NA
Hospital Anxiety and Depression Scale		Not assessed	Not assessed	?	?	NA
Patient Health Questionnnaire-9		Not assessed	Not assessed	?	?	NA
Postpartum Depression Screening Scale		Not assessed	Not assessed	?	?	NA
Zung Depression scale		Not assessed	Not assessed	?	?	NA
Criterion Validity						
Beck Depression Inventory I	Harris,[a] 1989[30]	Very good	68% Sensitivity; 88% specificity	?	+	Moderate (Convenience sample, good response rate, missing data not reported)
	Ji,[a] 2011[31]	Very good	AUCs, ranging from 0.855 to 0.971, were all statistically significant (p<0.0001).	+		
Beck Depression Inventory II	Beck,[a] 2001[4]	Very good	Major depression AUC 0.98	+	+	Moderate (Convenience sampling, response rate not reported, [1] [4] good sample size, missing data not reported)
	Chaudron,[a] 2010[32]	Very good	AUCs for the BDI, EPDS, and PDSS for MDD were 0.84 (95% CI 0.78– 0.89), 0.86 (95% CI 0.81– 0.91), and 0.83 (95% CI 0.79 – 0.89), respectively,	+		
	Wan Mahmud,[a] 2004[1]	Very good	AUC=0.995.	+		
Center for Epidemiologic Studies Depression Scale	Beeghly, 2002[33]	Very good	Average r=0.52 (intake–3 month r=0.61, intake–6 months r= 0.46, intake–12 months r=0.38, 3–6 months r=0.65, 3–12 months r= 0.48, 6–12 months r=0.46, all P values ,0.0001)	-	+/-	Moderate (Good sample size Eligibility criteria not presented[33], numbers lost to follow up not reported[34])
	Sasaki,[a] 2019[34]	Very good	ROC curve for each screening tool. (a) 4D-EPDS: AUC=0.800. (b) 1M-EPDS: AUC=0.797. (c) 1M-CES-D: AUC=0.765	+		
Edinburgh Postnatal Depression Score	Alvarado-Esquivel, 2006[35]	Very good	AUC=0.80 (DSM-IV interview)	+	+	Moderate (Good sample size in majority of studies (16 studies), good response rate in 1 study[29] not stated in 1 study,[1] poor response rate in 2 studies[21,32]
	Bunevicius, 2009[13]	Very good	0.83 AUC (CIDI-SF)	+		
	Chaudron,[a] 2010[32]	Very good	AUCs for the BDI, EPDS, and PDSS for MDD were 0.84 (95% CI 0.78– 0.89), 0.86 (95% CI 0.81– 0.91), and 0.83 (95% CI 0.79 – 0.89), respectively	+		

	Study	Rating	Results			Quality
	Chibanda, 2010[14]	Very good	AUC=0.82	+		
	Cox, 1987[9]	Very good	RDC- sensitivity 85% and specificity 77%	?		
	Felice, 2005[17]	Very good	AUC=0.95	+		
	Garcia-Esteve, 2003[36]	Very good	AUC= 0.976 (DSM-III)	+		
	Hanusa,[a] 2008[37]	Very good	ROC EPDS, PHQ-9 and PDSS 0.84, 0.79, 0.73	+		
	Harris,[a] 1989[30]	Very good	95% sensitivity- 93% Specificity	?		
	Ji,[a] 2011[31]	Very good	AUCs, ranging from 0.855 to 0.971, were all statistically significant (p<0.0001).	+		
	Lau,[a] 2010[3]	Very good	AUC 89.6% for EPDS vs clinical depression	+		
	Lee,[a] 2000[38]	Very good	Sens 0.88 spec 0.89 cut off of 4.5 for GHQ. Sens 0.82 spec 0.86 cut off of 9.5 for EDPS	?		
	Mazhari,[a] 2007[20]	Very good	Major depression (cut-off 12/13) with a sensitivity and specificity of 95.3% and 87.9%	?		
	Murray,1990 [39]	Very good	Major depression EPDS score of 10.5 88.3% specificity, 92.6%	?		
	Navarro,[a] 2007[40]	Very good	AUC=0.9 (SCID)	+		
	Pitanupong, 2007[21]	Very good	AUC 0.84 (95% confidence interval 0.76–0.91).	+		
	Rowel, 2008[27]	Very good	ICD-10 clinical examination. ROC 0.94 (95% CI=0.91-0.98; SE=0.02).	+		
	Sasaki,[a] 2019[34]	Very good	The ROC curve for each screening tool. (a) 4D-EPDS: AUC = 0.800. (b) 1M-EPDS: AUC=0.797. (c) 1M-CES-D: AUC=0.765.	+		
	Smith-Nielsen, 2019[4]	Very good	EPDS vs ICD AUC= 0.960	+		
	Teng, 2005[22]	Very good	AUC=0.97	+		
	Thompson,[a] 1998[28]	Very good	EPDS 84 spec 95 sensitivity for definite RDC	?		
	Wan Mahmud,[a] 2004[1]	Very good	AUC=0.995.	+		
	Yonkers, 2001 [41]	Very good	Sensitivity 78% specificity 90% of major depression with a threshold of 11	?		
General Health Questionnaire-12	Lee,[a] 2000[38]	Very good	Sens 0.88 spec 0.89 cut off of 4.5 for GHQ. Sens 0.82 spec 0.86 cut off of 9.5 for EDPS	?	+	Moderate (Good sample size, loss to follow up[38] and missing data not reported)
	Navarro,[a] 2007[40]	Very good	AUC=0.904 (SCID)	+		
Hopkins Symptom Checklist-10	Khalifa[a] 2018[19]	Not assessed	Not assessed	?	?	NA
Hospital Anxiety and Depression Scale	Thompson,[a] 1998[28]	Very good	90% spec 65% sensitivity for major depression	?	?	Low (Convenience sample, loss to follow up and missing data not reported)
Patient Health Questionnaire-9	Hanusa,[a] 2008[37]	Very good	ROC EPDS, PHQ-9 and PDSS 0.84, 0.79, 0.73	+	+	Low (Convenience sample and low sample size, good response rate missing data not reported)
Postpartum Depression Screening Scale	Beck,[a] 2001[4]	Very good	Major depression AUC 0.98	+	+	Moderate (Number of eligible patients not known[6] poor response rate[23] missing data not reported in all studies)
	Lara,[a] 2013[23]	Very good	AUC for major depression 0.88 SD 0.05	+		
	Pereira,[a] 2013[26]	Very good	AUC 0.98 for mild. 0.93 for major depression	+		
Zung Depression scale		Not assessed	Not assessed	?	?	NA

Hypothesis testing (comparison of scores between measures / group comparisons)						
Beck Depression Inventory I	Harris,[a] 1989[30]	Adequate	Intercorrelation 0.68 BDI and EPDS	+	+	Moderate (Low risk of bias, good sample size, missing data not reported in any study, good response rate, unknown numbers eligible[3])
	Lau,[a] 2010[3]	Very good	Correlation between BDI and EPDS 0.349. Mean SD) 115.4 (15.86)	+		
Beck Depression Inventory II	Beck,[a] 2001[4]	Very good	PDSS Correlated with EPDS and BDI R 0.79 and 0.81 with SD & 4.93 and 7.25 respectively	+	+	Moderate (Low risk of bias, good sample sizes, missing data not reported in any study, low response rate [23], unknown eligibility[1])
	Lara,[a] 2013[23]	Very good	Correlation was adequate, compared with the BDI-II (T1: $r = 0.75$; T2: $r = 0.74$, and the SCID (T1: $r = 0.43$; T2: $r = 0.36$,) SD = 0.02;	+		
	Pereira,[a] 2013[26]	Very good	PDSS and BDI-II total score was high and significant (r=0.63) SD	+		
	Wan Mahmud,[a] 2004[1]	Very good	Correlation between BDI and EPDS 0.74 SD mean for both reported	+		
Center for Epidemiologic Studies Depression Scale	Sasaki,[a] 2019[34]	Very good	No significant difference was found in the sensitivity, positive predictive value or negative predictive value among the three screening methods. (Mean and SD reported)	+	+	Low (Low risk of bias, low sample size)
Edinburgh Postnatal Depression Score	Bassi, 2017[8]	Adequate	Depression was significantly and negatively correlated with the global psychological well-being scores (r=–0.38; Mean/ SD reported)	+	+	Moderate (Low risk of bias, good sample size[29], response rate not reported,[1] Poor response rate[21,32])
	Beck,[a] 2001[4]	Very good	PDSS Correlated with EPDS and BDI r= 0.79 and 0.81	+		
	Condon,[a] 1997[29]	Adequate	Correlation between EPDS, HADs, POMs-D and Zung at 3 time points between 0.57 and 0.73 mean SD scores	+		
	Hanusa,[a] 2008[37]	Very good	Correlations between the three measures were EPDS with PHQ-9 ($r= 0.75$), EPDS with PDSS_SF ($r =0.75$,), and PHQ-9 with PDSS_SF ($r= 0.71$) dichotomised data	+		
	Harris,[a] 1989[30]	Adequate	Correlation r=0.68 BDI and EPDS no distribution data	+		
	Khalifa,[a] 2018[19]	Very good	3-month correlation between ESPD and total HSCL-10 score 0.77 (+) and 8-month 0.78 (+) means SD scores over time	+		
	Lau,[a] 2010[3]	Very good	Correlation between BDI and EPDS 0.349 mean and SD	+		
	Lee,[a] 2000[38]	Adequate	Correlation coefficient with GHQ-12 total score was 0.76 no mean	+		
	Mazhari,[a] 2007[20]	Very good	The correlation coefficient of the total score of the Persian version of EPDS with the GHQ-12 total score was 0.76 mean (S.D) 17.83 (3.75),	+		
	Mwape, 2019[42]	Adequate	Non- significant correlation between EDPS and GHQ. Means but no SD	+		
	Navarro,[a] 2007[40]	Very good	The EPDS showed a high correlation with the GHQ-12 (r^2=0.80; Pb.0001). SD recorded	+		

	Study	Rating	Description			Risk of bias
	Sasaki,[a] 2019[34]	Very good	No significant difference was found in the sensitivity, positive predictive value or negative predictive value among the three screening methods. Mean and SD reported	+		
	Thompson, 1998[28]	Adequate	EPDS and Hamilton rating scale for depression at 8/12/20/28 weeks 0.76/0.78/0.78/0.75 no distribution data	+		
	Wan Mahmud,[a] 2004[1]	Very good	Corelation between BDI and EPDS 0.74 SD mean for both reported	+		
General Health Questionnaire-12	Mazhari,[a] 2007[20]	Very good	Correlation coefficient of the total score of the Persian version of EPDS with the GHQ-12 total score was 0.76 mean (SD) 17.83 (3.75)	+	+	Moderate (Low risk of bias, good sample size response rate not reported[42] no missing data analysis)
	Mwape, 2019[42]	Adequate	Non-significant correlation between EDPS and GHQ Means but no SD presented	+		
	Navarro,[a] 2007[40]	Very good	The EPDS showed a high correlation with the GHQ-12 r^2=0.80; SD recorded	+		
Hopkins Symptom Checklist-10	Khalifa,[a] 2018[19]	Very good	3month correlation between ESPD and total HSCL-10 score0.77 and 8 month 0.78 means SD scores over time.	+	+	Moderate (Low risk of bias, good sample size, good response rate, no missing data reported)
Hospital Anxiety and Depression Scale	Condon,[a] 1997[29]	Very good	Correlation between EPDS, HADs, POMs-D and Zung at 3 time points between 0.57 and 0.73 mean SD scores	+	+	Low (Low risk of bias, good sample size, no response rate reported,[29] no missing data reported)
	Thompson, 1998[28]	Adequate	r-value EPDS and Hamilton rating scale for depression at 8/12/20/28 weeks 0.76/0.78/0.78/0.75 no distribution data	+		
Patient Health Questionnaire-9	Hanusa,[a] 2008[37]	Adequate	Correlations between the three measures were EPDS with PHQ-9 (r= 0.75), EPDS with PDSS_SF (r =0.75), and PHQ-9 with PDSS_SF (r= 0.71) Dichotomised data	+	+	Low (Serious risk of bias, small sample size, low response rate, no missing data reported)
Postpartum Depression Screening Scale	Beck,[a] 2001[4]	Very good	PDSS Correlated with EPDS and BDI R 0.79 and 0.81	+	+	Moderate (Low risk of bias, good sample size, low response rate[23], response rate not known,[4] no missing data reported)
	Lara,[a] 2013[23]	Very good	Correlation with the BDI-II (T1: r = 0.75; T2: r = 0.74, ps < 0.01) and the SCID (T1: r = 0.43; T2: r = 0.36, SD = 0.02;	+		
	Pereira,[a] 2013[26]	Very good	PDSS and BDI-II total score was high and significant (r_S=0.63) SD	+		
Zung Depression scale	Condon,[a] 1997[29]	Very good	Correlation between EPDS, HADs, POMs-D and Zung at 3 time points between 0.57 and 0.73 mean SD scores	+	+	Low (Low risk of bias, response rate not reported)
Responsiveness						
Beck Depression Inventory I		Not assessed	Not assessed	?	?	NA
Beck Depression Inventory II	Lara,[a] 2013[23]	Very good	Pearson's correlations PDSS and BDI-II were r = 0.75(T1), and r=0.74 (T2) SD	+	+	Low (Low risk of bias, good sample size, poor response rate. Follow up and missing data not reported)

Center for Epidemiologic Studies Depression Scale	Beeghly, 2002[33]	Very good	Average $r=0.52$; intake–3-month $r=0.61$, intake–6 months $r=0.46$, intake–12 months $r=0.38$, 3–6 months $r=0.65$, 3–12 months $r=0.48$, 6–12 months $r=0.46$, Mean and SD scores	?	?	Moderate (Low risk of bias, good sample size, and response rate, missing data not reported)
Edinburgh Postnatal Depression Score	Condon,[a] 1997[29]	Very good	Range, mean and SD between 4 weeks and 8 months for EPDS, HADS-D and Zung	+	+	Moderate (Low risk of bias, good sample size, variable response rates, loss to follow up not reported in all studies, missing data reported in 1 study[11])
	Coo, 2015[10]	Very good	No change in EPDS scores between 3 time points (D7-10, and 10-12 weeks) 6.99 (4.11) to 6.19 (4.58)	+		
	Doering Runquist, 2009[11]	Very good	Fatigue and depressive symptoms were moderately to strongly correlated at 1 (r = 0.68), 3 (r = 0.74), and 6 (r = 0.70) months postpartum	+		
	Glavin, 2010[18]	Very good	Significant differences in mean EPDS score between groups after the intervention at 3 months (P<0.001), and again at 6 months (P<0.001)	+		
	Heron, 2010[43]	Very good	8-week EPDS scores were significantly lower than postnatal scores (z=4.462,p < 0.0001),at one week postnatal (mean score=7.84), at 8 weeks (mean score=6.41) +	+		
	Khalifa,[a] 2018[19]	Very good	3-month correlation between EPDS and total HSCL-10 score 0.77 (+) and 8 month 0.78 (+). EPDS and HSCL difference in means 1.83 and 0.13 respectively P <0.001	+		
	Sasaki,[a] 2019[34]	Very good	Day 4 and 1month EPDS sensitivity and specificity scores and diagnostic rate	+		
	Thompson,[a] 1998[28]	Very good	r-value EPDS and Hamilton rating scale for depression at 8/12/20/28 weeks 0.76/0.78/0.78/0.75	+		
General Health Questionnaire-12		Not assessed	Not assessed	?	?	NA
Hopkins Symptom Checklist-10	Khalifa,[a] 2018[19]	Very good	3-month correlation between EPDS and total HSCL-10 score 0.77 (+) and 8 month 0.78 (+). EPDS and HSCL difference in means 1.83 and 0.13 respectively P <0.001	+	+	Moderate (Low risk of bias, good response rate, missing data not known)
Hospital Anxiety and Depression Scale	Condon,[a] 1997[29]	Very good	Range, mean and SD between 4 weeks and 8 months for EPDS, HADS-D and Zung	+	+	Moderate (Low risk of bias, good response rate, missing data not reported)
Patient Health Questionnnaire-9		Not assessed	Not assessed	?	?	NA
Postpartum Depression Screening Scale	Lara,[a] 2013[23]	Very good	PDSS were significantly correlated at T1 (r = 0.89, p <0 .01) and T2 (r = 0.87, p <0 .01).	+	+	Low (Low risk of bias, however low response rate, high loss to follow up and missing data not reported)
Zung Depression scale	Condon,[a] 1997[29]	Very good	Range, mean and SD between 4 weeks and 8 months for EPDS, HADS-D and Zung	+	+	Moderate (Low risk of bias, good response rate, missing data not reported)

a=denotes a study which psychometrically evaluates >1 PROM; Methods rating: Very good, Adequate, Doubtful, Inadequate or Not assessed (NA); Overall rating: Sufficient (+), Insufficient (-), Inconsistent (+/-) or Indeterminate (?); SD=standard deviation;

ICC=interclass correlation coefficient; AUC=area under the curve; CFA=confirmatory factor analysis; CFI=comparative fit index; RMSEA=root mean square error of approximation, SRMR=standardized root mean residuals; TLI=Tucker-Lewis Index; SCID=structured clinical interview for DSM-5; BDI=Beck Depression Inventory; CESDS=Center for Epidemiologic Studies Depression Scale; EPDS= Edinburgh Postnatal Depression Score; GHQ-12= General Health Questionnaire-12; HSC10=Hopkins Symptom Checklist-10; HADS-D= Hospital Anxiety and Depression Scale; PHQ-9=Patient Health Questionnaire-9; PDSS=Postpartum Depression Screening Scale; Zung= Zung Depression scale; T1 =time point 1; D=day; NRS=numerical rating score; VAS=visual analog score; Sample size described as per COSMIN criteria (good >100; low 50-100 (-1 GRADE rating); very low <50 (-2 GRADE rating) associated with imprecision as described by modified GRADE approach); survey response rate ≥60% was considered good.

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