**TABLES FOR ONLINE SUPPLEMENTARY INFORMATION**

**Reasons for exclusion for articles assessed at full-text:**

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| Title | Author(s) | Year | Reason for Exclusion |
| Children of parents hospitalized for mental illness: II. The evaluation of an intervention program for mentally ill mothers of young children. | Cohler, Grunenbaum | 1982 | Incorrect infant age |
| The long-term effects of a videotape modeling parent-training program: Comparison of immediate and 1-year follow-up results. | Webster-Stratton | 1982 | Incorrect infant age |
| Do first-year intervention effects endure? Follow-up during toddlerhood of a sample of Dutch irritable infants | Boom | 1995 | Incorrect infant age |
| Outcome evaluation in brief mother-infant psychotherapies: Report on 75 cases. | Robert-Tissot, Crane, Stern, Serper | 1996 | Incorrect population (no maternal mental health problems) |
| Treating infants and mothers in psychic distress: A mental health program for infancy | Cordeiro | 1997 | Incorrect infant age |
| A randomized, controlled trial of nurse home visiting to vulnerable families with newborns | Armstrong, Fraser, Dadds, Morris | 1999 | Incorrect population (no maternal mental health problems) |
| Watch, wait, and wonder: Testing the effectiveness of a new approach to mother-infant psychotherapy | Cohen, Lojkasek, Muir, Barwick, Brown | 1999 | Incorrect infant age |
| Perinatal psychiatry: Infant mental health interventions during pregnancy | Maldonado-Duran, Lartigue, Feintuch | 2000 | Incorrect infant age |
| Six-month follow-up of two mother-infant psychotherapies: Convergence of therapeutic outcomes | Cohen, Lojkasek, Muir E, Muir R, Parker  | 2002 | Incorrect infant age |
| Group therapy for depression during early motherhood: first results of a pilot study | Hofecker-Fallahpour, Zinkernagel-Burri, Stockli, Wusten, Stieglitz, Riecher-Rossler | 2003 | Full text in German |
| Outpatient Psychotherapy for Mothers-First Empirical Results | Kersting, Kuschel, Reutemann, Ohrmann, Arolt | 2003 | Incorrect infant age |
| Controlled clinical trial of interpersonal psychotherapy versus parenting education program for depressed pregnant women | Spinelli, Endicott | 2003 | Incorrect infant age |
| A first-stage evaluation of a group programme for PND | Davies, Jasper | 2004 | Incorrect infant age |
| Treatment of maternal mood disorder and infant behaviour disturbance in an Australian private mothercraft unit: a follow-up study. | Fisher, Feekery, Rowe | 2004 | No control group |
| Inpatient treatment of mother and child in psychiatry. Relevant data of mother and child | Rothernberg, Cranz, Hartmann, Petermann | 2005 | Full text in German |
| A prevention and promotion intervention program in the field of mother-infant relationship | Ammaniti, Speranza, Tambelli, Muscetta, Lucarelli, Vismara, Odorisio, Cimino | 2006 | Incorrect infant age |
| Head Start Is Too Late: Integrating and Applying Infant Observation Studies, and Attachment, Trauma, and Neurobiological Research to Groups with Pregnant and New Mothers | Harwood | 2006 | Case studies |
| Effects of attachment-based interventions on maternal sensitivity and infant attachment: differential susceptibility of highly reactive infants | Barlow, Davis, McIntosh, Jarett, Mockford, Stewart-Brown  | 2007 | Incorrect infant age |
| The effectiveness of early intervention and the factors related to child behavioural problems at age 2: a randomized controlled trial | Cheng, Kondo, Aoki, Kitamura, Takeda, Yamagata | 2007 | Incorrect infant age |
| Enhancing parenting practices of at-risk mothers | Akai, Guttentag, Baggett, Noria | 2008 | Incorrect population (no maternal mental health problems) |
| Right from the Start: Randomized Trial Comparing an Attachment Group Intervention to Supportive Home Visiting | Niccols | 2008 | Incorrect infant age |
| Predictors of outcome in infant and toddlers functional or behavioral disorders after a brief parent-infant psychotherapy | Hervé, Paradis, Rattaz, Lopez, Evrard, White-Koning, Maury | 2009 | Incorrect infant age |
| Universal screening and early intervention for maternal mental health and attachment difficulties | Milford, Hvcert, Oates | 2009 | No infant outcomes |
| The impact of maternal mental health on parenting quality and child outcomes in Early Head Start | Kelley | 2010 | No infant outcomes |
| Mind-mindedness and maternal responsiveness in infant-mother interactions in mothers with severe mental illness | Pawlby, Fernyhough, Meins, Pariante, Seneviratne, Bentall | 2010 | No control group |
| The contribution of Australian residential early parenting centres to comprehensive mental health care for mothers of infants: Evidence from a prospective study. | Rowe, Fisher | 2010 | No control group |
| A Decade of Parent and Infant Relationship Support Group Therapy Programs | Smith, Cumming, Xeros-Constantinides | 2010 | No control group |
| Mums 4 Mums: structured telephone peer-support for women experiencing postnatal depression. Pilot and exploratory RCT of its clinical and cost effectiveness. | Caramlau, Barlow, Sembi, McKenzie-McHarg, McCabe  | 2011 | Incorrect infant age |
| Intensive cognitive-behavioural treatment for women with postnatal obsessive-compulsive disorder: A consecutive case series. | Challacombe, Salkovskis | 2011 | No infant outcomes |
| Evaluating a home-based dyadic intervention: changes in postpartum depression, maternal perceptions, and mother-infant interactions | Paris, Bolton, Rendelle, Spielman,  | 2011 | No control group |
| A randomized controlled trial of mother-infant psychoanalytic treatment: I. Outcomes on self-report questionnaires and external ratings. | Salomonsson, Sandell | 2011 | Incorrect infant age |
| Use of video feedback intervention in an inpatient perinatal psychiatric setting to improve maternal parenting | Bilszta, Buist, Wang, Zulkelfi | 2012 | No infant outcomes |
| Effects of a brief psychoanalytic intervention for perinatal depression | Nanzer, Rossignol, Righetti-Veltema, Knauer, Manzano, Espasa | 2012 | No infant outcomes |
| Psychosocial interventions offered at the Ottawa perinatal mental health program and their impact on the maternal-infant dyad. | Norris, Ballen, Gandhi, Sutherland | 2012 | No control group |
| Sweet Mother: evaluation of a pilot mental health service for asylum-seeking mothers and babies | O'Shaughnessy, Nelki, Chiumento, Hassan, Rahman,  | 2012 | Incorrect infant age |
| Development and pilot evaluation of an Internet-facilitated cognitive-behavioral intervention for maternal depression | Sheeber, Seeley, Feil, Davis, Sorensen, Kosty, Lewinsohn | 2012 | Incorrect infant age |
| Perinatal Dyadic Psychotherapy: Design, Implementation, and Acceptability | Goodman, Guarino, Prager | 2013 | No control group |
| The impact of brief psychotherapy centred on parenthood on the anxio-depressive symptoms of mothers during the perinatal period | Moayedoddin, Moser, Nanzer | 2013 | No control group |
| A collaborative approach to perinatal and infant mental health service delivery in Australia | Van der Ham, Berry, Hoehn, Fraser | 2013 | No control group |
| Prevention of familial transmission of depression through a family-oriented programme targeting parenting as well as the child's social competence | Stemmler, Kötter, Bühler, Jaursch, Beelmann, Lösel | 2013 | Incorrect infant age |
| Infant Communicative Behaviors and Maternal Responsiveness | Dicarlo, Onwujuba, Baumgartner | 2014 | Incorrect infant age |
| Following them home: Infant-parent therapy after mother baby unit admission to improve relationship outcomes. | Hill, Coventry, Girke, Swift, Williams | 2015 | Case study |
| Early intervention to protect the mother-infant relationship following postnatal depression: study protocol for a randomised controlled trial | Milgrom, Holt | 2014 | Study protocol |
| A pilot randomized controlled trial of cognitive behavioural therapy for women with antenatal depression: Infant temperament and sleep. | Netsi, Jonathan, Heather, Alison, Paul | 2014 | No infant outcomes |
| Enhancing Mother Infant Interactions through Video Feedback Enabled Interventions in Women with Schizophrenia: A Single Subject Research Design Study. | Reddy, Desai, Hamza, Ananthanpillai, Chandra | 2014 | No control group |
| Clinical profile and outcomes of women admitted to a psychiatric mother-baby unit. | Christl, Reilly, Yin, Austen | 2015 | No control group |
| Creciendo sanos ("Growing Up Healthy"): An early childhood health and development program in southwest Guatemala. | Domek, Cunningham, Luna-Asturias, Abdel-Maksoud, Dunn, Berman | 2015 | Incorrect population (universal intervention) |
| Strengthening Positive Parenting Through Intervention: Evaluating the Moms' Empowerment Program for Women Experiencing Intimate Partner Violence | Howell, Miller, Michelle, Burlaka, Grogan-Kaylor, Graham-Bermann  | 2015 | No infant outcomes |
| Effect of Early Intervention to Promote Mother - Infant Interaction and Maternal Sensitivity in Japan: A Parenting Support Program based on Infant Mental Health. | Kimoto, Hirose, Omori, Takeo, Okamitsu, Okubo, Okawa | 2015 | Incorrect population (no maternal mental health problems) |
| Enhancing Maternal Sensitivity and Emotional Wellbeing Through a Preventative Parent-Child Relationship Intervention in a Community Setting | King, Priddis, Kane | 2015 | Incorrect infant age |
| Child-Parent Psychotherapy Examined in a Perinatal Sample: Depression, Posttraumatic Stress Symptoms and Child-Rearing Attitudes | Lavi, Gard, Hagan, Van Horn, Lieberman | 2015 | No infant outcomes |
| Video-feedback intervention in mother-baby dyads with depressive symptomatology and relationship difficulties | Olhaberry, Jose Leon, Seguel, Mena | 2015 | Incorrect infant age |
| Differential responsiveness to a parenting intervention for mothers in substance abuse treatment | Paris, Herriott, Holt, Gould | 2015 | Incorrect infant age |
| Enhanced Engagement: An Intervention Pilot for Mental Health Promotion among Low-Income Women in a Community Home Visiting Program | Price, Gray, Thacker | 2015 | No infant outcomes |
| Negative and Distorted Attributions Towards Child, Self, and Primary Attachment Figure Among Posttraumatically Stressed Mothers: What Changes with Clinician Assisted Videofeedback Exposure Sessions (CAVES) | Schechter, Moser, Reliford, Mccaw, Coates, Turner, Serpa, Willheim | 2015 | Incorrect infant age |
| Efficacy of a Crisis Intervention in Improving Mother-Child Interaction and Children's Play Functioning | Waldman-Levi, Weintraub | 2015 | Incorrect infant age |
| Clinical characteristics and mental health outcomes for women admitted to an Australian Mother-Baby Unit: a focus on borderline personality disorder and emotional dysregulation? | Yelland, Girke, Tottman, Williams | 2015 | Incorrect infant age |
| Teaching attachment behaviors to pregnant women: a randomized controlled trial of effects on infant mental health from birth to the age of three months. | Akbarzadeh, Dokuhaki, Joker, Pishva, Zare | 2016 | Incorrect population (no maternal mental health problems) |
| Maternal sensitivity and mental health: does an early childhood intervention programme have an impact?. | Brahm, Cortazar, Fillol, Mingo, Viela, Aranguiz | 2016 | Incorrect population (no maternal mental health problems) |
| Peer support for mothers with postnatal depression: A pilot study | Cust | 2016 | No infant outcomes |
| Maternal-infant mental health: postpartum group intervention. | de Camps Meschino, Philipp, Israel, Vigod | 2016 | No infant outcomes |
| Improved Parental Emotional Functioning After Circle of Security 20-Week Parent-Child Relationship Intervention | Huber, Mcmahon, Sweller | 2016 | Incorrect infant age |
| Mothering from the Inside Out: results of a pilot study testing a mentalization-based therapy for mothers enrolled in mental health services. | Suchman, Ordway, de Las Heras, McMahon  | 2016 | Incorrect infant age |
| Depression: an exploratory parallel-group randomised controlled trial of Antenatal guided self help for WomeN (DAWN): study protocol for a randomised controlled trial | Trevillion, Domoney, Pickles, Bick, Byford, Heslin, Milgrom, Mycroft, Pariante, Ryan, Hunter, Howard | 2016 | Study protocol |
| PREPP: postpartum depression prevention through the mother-infant dyad | Werner, Gustafsso, Lee, Feng, Jiang, Desai, Monk | 2016 | Incorrect population (no maternal mental health problems) |
| Adapting and testing a brief intervention to reduce maternal anxiety during pregnancy (ACORN): study protocol for a randomised controlled trial | Wilkinson, O'Mahen, Fearon, Halligan, King, Greenfield, Dunkley-Bent, Ericksen, Milgrom, Ramchandani | 2016 | Study protocol |
| Circle of Security-Parenting: A randomized controlled trial in Head Start. | Cassidy, Brett, Gross, Stern, Martin, Mohr, Woodhouse, | 2017 | Incorrect infant age |
| Disseminating a Parenting Intervention in the Community: Experiences from a Multi-Site Evaluation | Maupin, Samuel, Nappi, Heath, Smith | 2017 | Incorrect infant age |
| Mindful with Your Baby: Feasibility, Acceptability, and Effects of a Mindful Parenting Group Training for Mothers and Their Babies in a Mental Health Context | Potharst, Aktar, Rexwinkel, Rigterink, Bogels. | 2017 | No control group |

**Example search strategy used in MEDLINE, including methodological filter:**

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| **#** | **Terms** |
| 1 | ((mother\* or maternal) adj5 ("mental illness" or "mental disorder\*" or "mental health" or "mood disorder\*" or "mentally ill" or anxi\* or paranoi\* or schizo\* or "personality disorder" or psycho\* or depress\* or "self harm" or "self injur\*" or bipolar or OCD or "obsessive compulsive disorder")).ti,ab. |
| 2 | exp MOTHERS/ and (exp Mental Disorders/ or exp Mental Health/) |
| 3 | 1 or 2 |
| 4 | exp Mother-Child Relations/ or exp Child Rearing/ or exp Infant Behavior/ |
| 5 | ((mother\* or maternal) adj5 (infant\* or baby or child\*) adj5 (interact\* or relationship or attachment)).ti,ab. |
| 6 | (intervent\* or prevent\* or therap\* or train\* or program\* or treatment or psychotherap\*).ti,ab. |
| 7 | (4 or 5) and 6 |
| 8 | 3 and 7 |
| 9 | limit 8 to (english language and humans) |
| 10 | randomized controlled trial.pt. |
| 11 | controlled clinical trial.pt. |
| 12 | randomized.ti,ab. |
| 13 | placebo.ti,ab. |
| 14 | randomly.ti,ab. |
| 15 | trial.ti,ab. |
| 16 | groups.ti,ab. |
| 17 | 10 or 11 or 12 or 13 or 14 or 15 or 16 |
| 18 | animals/ not humans/ |
| 19 | 17 not 18 |
| 20 | (case control study or case report or case reports or case study or case control studies or clinical study or cohort analysis or cohort studies or correlational study or cross sectional studies or cross sectional study or epidemiologic studies or family study or follow up or followup studies or follow up studies or hospital based case control study or longitudinal studies or longitudinal study or observational study or population based case control study or prospective studies or prospective study or retrospective studies or retrospective study).sh. |
| 21 | (((case or crosssectional or cross sectional or epidemiologic$ or observational) adj (study or studies)) or (case adj (control$ or report$)) or cohort$1 or cross sectional or followup$ or follow up$ or followed or longitudinal$ or prospective$ or retrospective$).tw. |
| 22 | case reports.pt. |
| 23 | 20 or 21 or 22 |
| 24 | (nonequivalent control group or posttesting or pretesting or pretest posttest design or pretest posttest control group design or quasi experimental methods or quasi experimental study or time series or time series analysis).sh. |
| 25 | ((nonequivalent or non equivalent) adj3 control$) or posttest$ or post test$ or pre test$ or pretest$ or quasi experiment$ or quasiexperiment$ or timeseries or time series).tw. |
| 26 | 24 or 25 |
| 27 | 19 or 23 or 26 |
| 28 | 8 and 27 |