

Supplemental Material A

Search strategy

| Database | Search strategy | Records retrieved |
|------------------|--|-------------------|
| CINAHL | AB "serious illness communication" OR AB "serious illness program*" OR AB "serious illness care" OR AB "serious illness conversation*" OR AB "serious illness model" Limited to English, publications from 2014-01, academic journals. | 148 |
| MEDLINE | AB "serious illness communication" OR AB "serious illness program*" OR AB "serious illness care" OR AB "serious illness conversation*" OR AB "serious illness model" Limited to English, publications from 2014-01, academic journals. | 211 |
| PsychInfo | AB "serious illness communication" OR "AB serious illness program*" OR AB "serious illness care" OR AB "serious illness conversation*" OR AB "serious illness model" Limited to English, publications from 2014, academic journals. | 60 |
| PubMed | ("serious illness communication"[Title/Abstract]) OR (((serious illness program*[Title/Abstract]) OR (serious illness care[Title/Abstract])) OR (serious illness conversation*[Title/Abstract])) OR (serious illness model[Title/Abstract]) Limited to English, publications from 2014-01-01. | 279 |

Supplementary Material B

JBI Quality Appraisal Checklists

| Checklist for Randomized Controlled Trials | | | | | | | | | | | | | |
|--|----|----|----|----|----|----|----|-----|----|-----|-----|-----|-----|
| Articles | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 |
| O'Donnell et al. ³¹ | Y | Y | U | N | N | Y | Y | Y | Y | Y | U | U | Y |
| Manz et al. ²⁵ | Y | N | Y | Y | N | Y | Y | N/A | Y | Y | Y | Y | Y |
| Paladino et al. ¹⁷ | Y | Y | Y | Y | N | Y | Y | Y | Y | Y | U | U | Y |
| Paladino et al. ⁴ | Y | Y | Y | Y | N | Y | Y | Y | Y | Y | Y | U | Y |
| Li et al. ²⁶ | Y | Y | Y | Y | U | Y | Y | N/A | Y | Y | Y | U | Y |

Y = Yes; N= No; U = Unsure; N/A = Not applicable.

Tufanaru C, Munn Z, Aromataris E, Campbell J, Hopp L. Chapter 3: Systematic reviews of effectiveness. In: Aromataris E, Munn Z (Editors). JBI Manual for Evidence Synthesis. JBI, 2020. Available from <https://synthesismanual.jbi.global>

| Checklist for Quasi-Experimental Studies | | | | | | | | | |
|--|----|----|----|----|----|-----|----|----|----|
| Articles | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 |
| Lakin et al. ⁵⁵ | Y | N | Y | Y | N | Y | Y | Y | Y |
| Karim et al. ⁵³ | Y | U | U | N | N | N/A | Y | Y | Y |
| Wasp et al. ^{*47} | U | Y | U | N | N | N/A | Y | U | U |
| Ma et al. ⁴⁰ | Y | Y | Y | N | N | N/A | Y | Y | U |
| Paladino et al. ^{*42} | N | Y | N | N | N | N/A | Y | U | Y |
| Massman et al. ³³ | U | Y | U | N | N | N/A | Y | U | U |
| Tam et al. ^{*35} | Y | Y | Y | N | N | N/A | Y | U | Y |
| Lally et al. ³⁹ | N | U | Y | N | N | N/A | Y | U | U |
| Lakin et al. ¹⁹ | U | Y | U | Y | N | N/A | Y | Y | U |
| Zehm et al. ^{*72} | U | Y | U | N | N | N/A | Y | U | U |
| Hafid et al. ^{*52} | U | Y | Y | N | N | N/A | Y | U | U |
| Sanders et al. ^{*69} | U | Y | U | N | N | N/a | Y | U | U |
| Wasp et al. ⁷⁰ | N | U | U | N | N | N/A | Y | U | U |

Y = Yes; N= No; U = Unclear; N/A = Not applicable; * = mixed method/multiple checklists.

Tufanaru C, Munn Z, Aromataris E, Campbell J, Hopp L. Chapter 3: Systematic reviews of effectiveness. In: Aromataris E, Munn Z (Editors). JBI Manual for Evidence Synthesis. JBI, 2020. Available from <https://synthesismanual.jbi.global>

| Checklist for Cohort Studies | | | | | | | | | | | |
|--------------------------------|----|----|----|----|----|----|----|----|----|-----|-----|
| Articles | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
| Le et al. ⁵⁶ | Y | Y | Y | Y | U | U | Y | Y | U | Y | Y |
| Greenwald et al. ²² | Y | Y | U | Y | U | U | U | Y | Y | Y | Y |
| Gace et al. ²¹ | U | U | U | Y | U | U | Y | U | N | N | Y |

Y = Yes; N= No; U = Unclear; N/A = Not applicable.

Moola S, Munn Z, Tufanaru C, Aromataris E, Sears K, Sfetcu R, Currie M, Qureshi R, Mattis P, Lisy K, Mu P-F. Chapter 7: Systematic reviews of etiology and risk. In: Aromataris E, Munn Z (Editors). JBI Manual for Evidence Synthesis. JBI, 2020. Available from <https://synthesismanual.jbi.global>

| Checklist for Analytical Cross Sectional Studies | | | | | | | | |
|--|----|----|----|----|----|----|----|----|
| Articles | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 |
| Thamcharoen et al. ^{*61} | Y | Y | Y | Y | U | U | U | Y |
| Greenwald et al. ⁵¹ | Y | Y | U | U | N | N | U | Y |
| Kumar et al. ^{*8} | Y | Y | Y | Y | Y | N | U | Y |
| Geerse et al. ^{*15} | Y | Y | U | U | Y | U | U | Y |
| Paladino et al. ^{*16} | Y | Y | U | U | Y | N | U | Y |
| Miranda et al. ^{*14} | Y | Y | U | Y | Y | N | U | Y |
| Lamas et al. ²⁹ | Y | Y | Y | Y | N | N | U | Y |
| Daubman et al. ²³ | Y | Y | U | U | N | N | U | U |

| | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|
| Ko et al. ³⁸ | N | N | Y | U | Y | Y | U | Y |
| Pasricha et al. ^{*43} | Y | Y | U | Y | Y | N | U | Y |
| Daly et al. ²⁷ | Y | Y | U | U | Y | U | U | Y |
| Jacobsen et al. ²⁴ | N | Y | U | U | U | N | U | Y |
| Reed-Guy et al. ^{*59} | Y | Y | U | Y | Y | N | U | Y |
| Moye et al. ^{*57} | Y | Y | U | Y | Y | Y | U | Y |
| Pottash et al. ^{*44} | Y | U | U | Y | N | N | U | Y |
| Bowman et al. ⁶³ | Y | Y | U | U | Y | N | U | Y |
| Daly et al. ²⁸ | Y | Y | U | U | N | N | U | Y |
| Davoudi et al. ⁶⁴ | Y | Y | U | U | Y | U | U | Y |
| Hu et al. ⁶⁶ | Y | Y | U | U | U | N | U | Y |
| King et al. ⁶⁷ | Y | Y | Y | Y | Y | Y | U | Y |

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Moola S, Munn Z, Tufanaru C, Aromataris E, Sears K, Sfetcu R, Currie M, Qureshi R, Mattis P, Lisy K, Mu P-F. Chapter 7: Systematic reviews of etiology and risk. In: Aromataris E, Munn Z (Editors). JBI Manual for Evidence Synthesis. JBI, 2020. Available from <https://synthesismanual.jbi.global>

| Checklist for Qualitative Research | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|-----|
| Articles | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 |
| Thamcharoen et al. ^{*61} | Y | Y | Y | Y | Y | Y | U | Y | Y | Y |
| Paladino et al. ⁵⁸ | Y | Y | U | U | U | Y | N | U | N | U |
| DeCoursey et al. ⁵⁰ | Y | Y | Y | Y | Y | Y | Y | Y | N | Y |
| Paladino et al. ¹⁸ | Y | Y | Y | Y | Y | Y | U | Y | Y | Y |
| Kumar et al. ^{*8} | Y | Y | Y | Y | Y | N | U | Y | Y | Y |
| Geerse et al. ^{*15} | U | Y | Y | U | U | N | U | U | Y | Y |
| Wasp et al. ^{*47} | U | U | Y | Y | Y | N | N | Y | Y | U |
| Paladino et al. ^{*16} | Y | Y | Y | Y | Y | N | U | Y | Y | Y |
| Paladino et al. ^{*42} | Y | Y | Y | Y | Y | N | U | Y | Y | Y |
| Tam et al. ^{*35} | U | U | Y | U | Y | N | N | Y | Y | Y |
| McGlinchey et al. ³⁴ | Y | Y | Y | Y | Y | N | N | Y | Y | Y |
| Geerse et al. ⁵ | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Lakin et al. ²⁰ | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Miranda et al. ^{*14} | U | U | U | U | U | N | N | Y | Y | U |
| Pasricha et al. ^{*43} | U | Y | U | U | U | N | U | Y | Y | Y |
| Zehm et al. ^{*72} | U | U | Y | U | U | N | N | U | N | Y |
| Borregaard Myrholm et al. ⁶² | Y | Y | Y | Y | Y | Y | Y | Y | N | Y |
| Reed-Guy et al. ^{*59} | Y | Y | Y | U | Y | N | N | Y | Y | Y |
| Lagrotteria et al. ⁵⁴ | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Hafid et al. ^{*52} | Y | Y | Y | U | U | Y | N | U | Y | Y |
| Swiderski et al. ⁶⁰ | Y | Y | Y | Y | Y | Y | Y | Y | N | Y |
| Aaronson et al. ⁴⁸ | Y | Y | Y | Y | Y | N | N | N | Y | Y |
| Moye et al. ^{*57} | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| Pottash et al. ^{*44} | U | Y | Y | U | U | N | N | U | Y | Y |
| LoCastro et al. ⁶⁸ | U | Y | Y | Y | Y | N | U | Y | Y | Y |
| Sanders et al. ^{*69} | U | Y | Y | Y | Y | U | U | Y | Y | Y |
| Xu et al. ⁷¹ | U | Y | Y | Y | Y | N | U | Y | Y | Y |
| García et al. ⁷³ | Y | Y | Y | Y | Y | Y | U | Y | Y | Y |

Y = Yes; N= No; U = Unclear; N/A = Not applicable; * = mixed method/multiple checklists.

Lockwood C, Munn Z, Porritt K. Qualitative research synthesis: methodological guidance for systematic reviewers utilizing meta-aggregation. *Int J Evid Based Healthc.* 2015;13(3):179–187.

| Checklist for Case Reports | | | | | | | | |
|----------------------------------|----|----|----|----|----|----|----|----|
| Articles | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 |
| Van Breemen et al. ⁴⁶ | Y | Y | Y | Y | Y | Y | Y | Y |

Y = Yes; N= No; U = Unclear; N/A = Not applicable.

Moola S, Munn Z, Tufanaru C, Aromataris E, Sears K, Sfetcu R, Currie M, Qureshi R, Mattis P, Lisy K, Mu P-F. Chapter 7: Systematic reviews of etiology and risk. In: Aromataris E, Munn Z (Editors). JBI Manual for Evidence Synthesis. JBI, 2020. Available from <https://synthesismanual.jbi.global>

| Checklist for Text and Opinion | | | | | | |
|------------------------------------|----|----|----|----|----|----|
| Articles | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 |
| Beddard-Huber et al. ⁴⁹ | Y | Y | Y | Y | Y | Y |
| Gelfand et al. ³⁶ | Y | Y | Y | Y | Y | Y |
| Sirianni et al. ⁴⁵ | Y | Y | Y | Y | Y | Y |
| Jain et al. ³⁷ | Y | Y | Y | Y | Y | Y |
| Baran et al. ³² | Y | Y | Y | Y | Y | Y |
| Mandel et al. ³⁰ | Y | Y | Y | Y | Y | Y |
| Bernacki et al. ⁷ | Y | Y | Y | Y | Y | Y |
| Ouchi et al. ⁴¹ | Y | Y | Y | Y | Y | Y |
| Karim et al. ⁶⁵ | Y | Y | Y | Y | Y | Y |

Y = Yes; N= No; U = Unsure; N/A = Not applicable.

McArthur A, Klugarova J, Yan H, Florescu S. Innovations in the systematic review of text and opinion. *Int J Evid Based Healthc*. 2015;13(3):188–195.