

Supplemental Table S1. Critical appraisal of the included analytical cross-sectional studies using the Joanna Briggs Institute critical appraisal tools for study designs.

| | Analytical cross-sectional study | Adler-Minstein et al., 2020¹³ | Lesser et al., 2022²³ | Dolansky et al., 2021¹⁸ | Morgan et al., 2022²⁰ | Lynch et al., 2021¹⁹ |
|---|--|---|---|---|---|--|
| 1 | Were the criteria for inclusion in the sample clearly defined? | Y | Y | Y | Y | Y |
| 2 | Were the study subjects and the setting described in detail? | Y | Y | Y | Y | Y |
| 3 | Was the exposure measured in a valid and reliable way? | Y | Y | U | Y | Y |
| 4 | Were objective, standard criteria used for measurement of the condition? | Y | Y | Y | Y | Y |
| 5 | Were confounding factors identified? | NA | NA | U | NA | NA |
| 6 | Were strategies to deal with confounding factors stated? | NA | NA | U | NA | NA |
| 7 | Were the outcomes measured in a valid and reliable way? | Y | Y | Y | Y | NA |
| 8 | Was appropriate statistical analysis used? | Y | Y | U | Y | Y |

Key: Y= Yes; N=No; U=Unclear; NA=Not applicable; EHR = Electronic Health Record.

Supplemental Table S2. Critical appraisal of the included qualitative research using the Joanna Briggs Institute critical appraisal tools for study designs.

| | Qualitative research | Adler-Milstein et al., 2023⁴ | Gettel et al., 2022²⁴ | Greenberg et al., 2022²² |
|----|---|--|---|--|
| 1 | Is there congruity between the stated philosophical perspective and the research methodology? | Y | Y | Y |
| 2 | Is there congruity between the research methodology and the research question or objectives? | Y | Y | Y |
| 3 | Is there congruity between the research methodology and the methods used to collect data? | Y | Y | Y |
| 4 | Is there congruity between the research methodology and the representation and analysis of data? | Y | Y | Y |
| 5 | Is there congruity between the research methodology and the interpretation of results? | Y | Y | Y |
| 6 | Is there a statement locating the researcher culturally or theoretically? | Y | Y | NA |
| 7 | Is the influence of the researcher on the research, and vice-versa, addressed? | N | Y | Y |
| 8 | Are participants, and their voices, adequately represented? | Y | Y | Y |
| 9 | Is the research ethical according to current criteria or, for recent studies, and is there evidence of ethical approval by an appropriate body? | Y | Y | Y |
| 10 | Do the conclusions drawn in the research report flow from the analysis, or interpretation, of the data? | Y | Y | Y |

Key: Y= Yes; N=No; U=Unclear; NA=Not applicable.

Supplemental Table S3. Critical appraisal of the included systematic reviews and research syntheses using the Joanna Briggs Institute critical appraisal tools for study designs.

| | Systematic reviews and research syntheses | Wang et al., 2023³⁰ | Winterton et al., 2021¹⁴ |
|----|---|---------------------------------------|--|
| 1 | Is the review question clearly and explicitly stated? | Y | Y |
| 2 | Were the inclusion criteria appropriate for the review question? | Y | Y |
| 3 | Was the search strategy appropriate? | Y | Y |
| 4 | Were the sources and resources used to search for studies adequate? | Y | Y |
| 5 | Were the criteria for appraising studies appropriate? | Y | Y |
| 6 | Was critical appraisal conducted by two or more reviewers independently? | Y | Y |
| 7 | Were there methods to minimize errors in data extraction? | Y | Y |
| 8 | Were the methods used to combine studies appropriate? | Y | Y |
| 9 | Was the likelihood of publication bias assessed? | Y | Y |
| 10 | Were recommendations for policy and/or practice supported by the reported data? | Y | Y |
| 11 | Were the specific directives for new research appropriate? | Y | Y |

Key: Y= Yes; N=No; U=Unclear; NA=Not applicable.

Supplemental Table S4. Critical appraisal of the included studies reporting prevalence data using the Joanna Briggs Institute critical appraisal tools for study designs.

| | Studies reporting prevalence data | Lundy et al., 2021¹⁷ |
|---|--|--|
| 1 | Was the sample frame appropriate to address the target population? | Y |
| 2 | Were study participants sampled in an appropriate way? | Y |
| 3 | Was the sample size adequate? | Y |
| 4 | Were the study subjects and the setting described in detail? | Y |
| 5 | Was the data analysis conducted with sufficient coverage of the identified sample? | Y |
| 6 | Were valid methods used for the identification of the condition? | Y |
| 7 | Was the condition measured in a standard, reliable way for all participants? | Y |
| 8 | Was there appropriate statistical analysis? | Y |
| 9 | Was the response rate adequate, and if not, was the low response rate managed appropriately? | |

Key: Y= Yes; N=No; U=Unclear; NA=Not applicable.

Supplemental Table S5. Critical appraisal of the included studies reporting prevalence data using the Joanna Briggs Institute critical appraisal tools for study designs.

| Quasi-experimental studies | Berish et al., 2023 ²⁶ | Breda et al., 2023 ²⁷ | Casey et al., 2020 ¹⁵ | Guth et al., 2020 ¹⁶ | Kuntz et al., 2023 ²⁸ | McQuown et al., 2023 ²⁹ | Severance et al., 2022 ²⁵ | Shen et al., 2022 ²¹ |
|----------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------------------------------------|--|---------------------------------|
| 1 | Y | Y | Y | Y | Y | Y | Y | Y |
| 2 | Y | Y | Y | Y | Y | Y | Y | Y |
| 3 | Y | Y | Y | Y | Y | Y | Y | Y |
| 4 | Y | Y | Y: a pre-postintervention design | Y: targeted areas vs. non-targeted areas | Y |
| 5 | Y | Y | Y | Y | Y | Y | Y | Y |
| 6 | Y | Y | Y | Y | Y | Y | Y | Y |
| 7 | Y | Y | Y | Y | Y | Y | Y | Y |
| 8 | Y | Y | Y | Y | Y | Y | Y | Y |
| 9 | Y | Y | Y | Y | Y | Y | Y | Y |

Key: Y= Yes; N=No; U=Unclear; NA=Not applicable.