# Appendix

## Appendix A: PRISMA 2020 Checklist

| Section and Topic | Item # | Checklist Item | Location where item is reported (page number) |
|-------------------|--------|----------------|-----------------------------------------------|
| **TITLE**         | 1      | Identify the report as a systematic review | 1 |
| **ABSTRACT**      | 2      | See the PRISMA 2020 for Abstracts checklist | 2 |
| **INTRODUCTION**  |        |                                             | |
| Rationale         | 3      | Describe the rationale for the review in the context of existing knowledge | 3/4 |
| Objectives        | 4      | Provide an explicit statement of the objective(s) or question(s) the review addresses | 4 |
| **METHODS**       |        |                                             | |
| Eligibility criteria | 5    | Specify the inclusion and exclusion criteria for the review and how the studies were grouped for synthesis | 4 |
| Information sources | 6    | Specify all databases, registers, websites, organisations, reference lists and other sources search or consulted to identify studies. Specify the date when each source was last searched or consulted. | 5 |
| Search Strategy   | 7      | Present the full search strategies for all databases, registers, and websites, including any fillers and limits used. | 5/24 |
| Selection process | 8      | Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screed each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process. | 5 |
| Data collection process | 9  | Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process. | 5 |
| Data items        | 10a    | List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome in each study were sought (e.g., for all measures, time points, analyses), and if not, the methods used to decide which results to collect. | 5 |
|                   | 10b    | List and define all other variables for which data were sought (e.g., participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear data. | 5 |
| Study risk of bias assessment | 11   | Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they voted independently, and if applicable, details of automation tools used in the process. | 5 |
| Effect measures   | 12     | Specify for each outcome the effect measure(s) (e.g., risk ratio, mean difference) used in the synthesis or presentation of results | - |
| Synthesis methods | 13a    | Describe the processes used to decide which studies were eligible for each synthesis (e.g., tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #5)) | 5 |
|                   | 13b    | Describe any methods required to prepare the data for presentation or synthesis such as handling of missing summary statistics, or data conversions. | 5 |
|                   | 13c    | Describe any methods used to tabulate or visually display results of individual studies and syntheses | 5 |
|                   | 13d    | Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the mode(s), method(s) to identify the presence and extent of statistical heterogeneity, and software | 5/6 |
| Package(s) used. | 13e Describe any methods used to explore the probable causes of heterogeneity among study results (e.g., subgroup analysis, meta-regression). |
|---|---|
| | 13f Describe any sensitivity analyses conducted to assess robustness of synthesised results. |
| Reporting bias assessment | 14 Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases). |
| Certainty assessment | 15 Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome. |

### RESULTS

#### Study characteristics

| Results | 16a Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram. 6/15 |
|---|---|
| | 16b Cite studies that might appear to meet the inclusion criteria, but which were excluded. 6 |
| | 17 Cite each included study and present its characteristics. 6 |

#### Risk of bias in studies

| 18 Present assessments of risk of bias for each included study. 4/5 |

#### Results of individual studies

| 19 For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (B) an effect estimate and its precision (e.g., confidence/credible interval), ideally using structured tables or plots. 9/10/11 |

#### Results of syntheses

| 20a For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies. 11/12 |
| 20b Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g., confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect. 12/13/14 |
| 20c Present results of all investigations of all possible causes of heterogeneity among study results. - |
| 20d Present results of all sensitivity analyses conducted to assess the robustness of the synthesised results. - |

### DISCUSSION

| Discussion | 23a Provide a general interpretation of the results in the context of other evidence. 14 |
|---|---|
| 23b Discuss any limitations of the evidence included in the review. 15 |
| 23c Discuss any limitations of the review processes used. 15 |
| 23d Discuss any implications of the results for practice, policy and future research. 16 |

### OTHER INFORMATION

#### Registration and protocol

| 24a Provide registration information for the review, including register name and registration number, or state that the review was not registered. - |
| 24b Indicate where the review protocol can be accessed or state that the protocol was not prepared. - |
| 24c Describe and explain any amendments to information provided at registration or in the protocol. - |

#### Support

| 25 Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review. - |

#### Competing interests

| 26 Declare any competing interests of review authors. 1 |

#### Availability of data, code, and other materials

| 27 Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review. - |
## Appendix B: Search strategy

| Component       | Search terms                                                                                                                                                                                                 |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Multimorbidity  | "Multimorbidity” or (multimorbid$ or multi-morbid$) or (multidisease? or multi-disease?) or (multiple adj1 (ill$ or disease? or condition? or syndrom$ or disorder?)) or "multi Comorbidity" or comorbid$ or co-morbid$ or "Multiple Chronic Conditions" or (coocur* or co-ocur* or co-exist* or multiple*) adj3 (disease? or ill* or care or condition) |
| Multidisciplinary Team | "Delivery of Health Care, Integrated" or integrated or team or interdisciplinary or integration or integral or integrat* or seamless or continuity or interface or multidisciplinary or multiprofessional or multiagency or interprofessional or multi sector or model* or coordinat* or partnership* or continu* or interagenc* or stakeholder* or network* or systems or team* or shared or joined-up or pooling or vertical* or horizontal* or collaborat* or multi-professional or multi agency or multiagency or managed care or joint care or ((service or care) adj2 (provis$ or provide$ or pattern$ or delivery or access$ or model$)) or ((integrat$ or co-ordinat$ or multidisciplin$) adj2 (service$ or care or team$)) or (patient$ adj (centre$ or center$ or centric or navig$ or liaison or advocat$)) or care plan$ or ((case or self) adj2 management) |
| Primary Care    | "Primary Health Care” or (primary adj1 health)).mp. or (Family Practice/ or General Practice/ or Physicians, Family/ or Physicians, Primary Care/ or General Practitioners/ or Primary Health Care/) or ((primary or "primary care" or family or general) adj2 (doctor* or physician* or practice* or practitioner* or medicine)) or "family health team*").mp. or ((primary care or family practice or family health or family or general practice) adj2 nurs*).mp. or ("general practice clinic*" or "family practice clinic*" or "primary care clinic*" or "family clinic*") |

The search terms used and their corresponding components for this review.