SUPPLEMENTARY MATERIAL

Appendix 1

Search Strategy

MEDLINE

Search: Topic 1 terms (all OR'd) AND Topic 2 terms (all OR'd) AND Topic 3 terms (all OR'd)

PI(E)COC

Topic 1: Population – substance users (terms below), substances, addiction terms, history, career,

"Substance-Related Disorders" OR "Drug Abuse" OR "Drug Addiction" OR "Drug Dependence" OR "Drug Habituation" OR "Drug Use Disorders" OR "Organic mental disorders, substance-induced" OR "Prescription Drug Abuse" OR "Substance Abuse" OR "Substance Addiction" OR "Substance Dependence" OR "Substance Use Disorders" OR "Substance Misuse" OR "Substance Use" OR "Substance career" OR "Substance history"

Topic 2: Intervention – intervention, treatment, therapy, rehabilitation, abstinence, recovery,

"Intervention" OR "Treatment" OR "Therapy" OR "Rehabilitation" OR "Abstinence" OR "Recovery" OR "Medication Assisted Treatment of Opioid" OR "Opiate Medication-Assisted Treatment" OR "Opiate Replacement Therapy" OR "Opiate Substitution Treatment" OR "Opioid Medication Assisted Treatment" OR "Opioid Replacement Therapy" OR "Opioid Substitution Therapy" OR "Opioid Substitution Treatment"

Topic 3: Outcomes – recovery, recovery capital, quality of life, wellbeing, stigma

"Recovery" OR "Recovery Capital" OR "Quality of Life" OR "Life Quality" OR "Health-Related Quality of Life" OR "Wellbeing" OR "Capability Approach" OR "stigma" OR

"Citizenship" OR "Citizen" OR "Active citizen" OR "Participating Citizen" OR "Identification, social" OR "Group Identification" OR "Social Identity" OR "Social Network" OR "Self-concept" OR "Self-identity" OR "Identity" OR "social group" OR "social norms" OR "reinvent" OR "identity"

Donaldson SR, *et al*. *BMJ Open* 2022; 12:e049713. doi: 10.1136/bmjopen-2021-049713

Appendix 2

PRISMA-P (Preferred Reporting Items for Systematic review and Meta-Analysis Protocols) 2015 checklist: recommended items to address in a systematic review protocol*

Section and topic	Item No	Page Number	Checklist item
ADMINISTRATIVE INFORMATION			
Title:			
Identification	1a	1	Identify the report as a protocol of a systematic review
Update	1b	N/A	If the protocol is for an update of a previous systematic review, identify as such
Registration	2	2	If registered, provide the name of the registry (such as PROSPERO) and registration number
Authors:			
Contact	3a	1	Provide name, institutional affiliation, e-mail address of all protocol authors; provide physical mailing address of corresponding author
Contributions	3b	13	Describe contributions of protocol authors and identify the guarantor of the review
Amendments	4	11	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments
Support:			
Sources	5a	13	Indicate sources of financial or other support for the review
Sponsor	5b	13	Provide name for the review funder and/or sponsor
Role of sponsor or funder	5c	13	Describe roles of funder(s), sponsor(s), and/or institution(s), if any, in developing the protocol
INTRODUCTION			
Rationale	6	3-5	Describe the rationale for the review in the context of what is already known
Objectives	7	5-6	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)
METHODS			
Eligibility criteria	8	6	Specify the study characteristics (such as PICO, study design, setting, time frame) and report characteristics (such as years considered, language, publication status) to be used as criteria for eligibility for the review
Information sources	9	8-9	Describe all intended information sources (such as electronic databases, contact with study authors, trial registers or other grey literature sources) with planned dates of coverage

Search strategy	10	8-9	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated
Study records:			
Data management	11a	9-10	Describe the mechanism(s) that will be used to manage records and data throughout the review
Selection process	11b	9	State the process that will be used for selecting studies (such as two independent reviewers) through each phase of the review (that is, screening, eligibility and inclusion in meta-analysis)
Data collection process	11c	10	Describe planned method of extracting data from reports (such as piloting forms, done independently, in duplicate), any processes for obtaining and confirming data from investigators
Data items	12	7-8	List and define all variables for which data will be sought (such as PICO items, funding sources), any pre-planned data assumptions and simplifications
Outcomes and prioritization	13	8	List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale
Risk of bias in individual studies	14	10-11	Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis
Data synthesis	15a	10	Describe criteria under which study data will be quantitatively synthesised
	15b	10-11	If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data and methods of combining data from studies, including any planned exploration of consistency (such as I^2, Kendall's τ)
	15c	n/a	Describe any proposed additional analyses (such as sensitivity or subgroup analyses, meta-regression)
	15d	10	If quantitative synthesis is not appropriate, describe the type of summary planned
Meta-bias(es)	16	N/A	Specify any planned assessment of meta-bias(es) (such as publication bias across studies, selective reporting within studies)
Confidence in cumulative evidence	17	10-11	Describe how the strength of the body of evidence will be assessed (such as GRADE)