

Table 1. Search strategy keywords, alternative terms, and database-specific search terms

Concept group	Search terms	Medical Subject Headings (MeSH) terms (PubMed)*	American Psychological Association Index Terms (PsychINFO)	Emtree terms (Embase)	CINAHL Subject Headings (CINAHL Complete)
1. Trauma-informed	trauma-informed OR trauma-sensitive OR trauma-aware* OR posttrauma* OR adverse childhood experience* OR child maltreatment	“Stress disorders, Post-Traumatic” OR “Child Abuse” OR “Psychological Trauma” OR “Adverse Childhood Experiences”	“Trauma” OR “Trauma-Informed Care” OR “Emotional Trauma” OR “child Abuse” OR “Childhood Adversity”	“Posttraumatic Stress Disorder” OR “Childhood Adversity” OR “Psychotrauma” OR “Child Abuse”	“Adverse Childhood Experiences” OR “Psychological Trauma” OR “Child Abuse”
2. Mental ill-health	mental health OR depressi* OR anxi*	Mental Health OR Depression	Depression (Emotion) OR Anxiety	Depression OR Anxiety	Depression OR Anxiety

		OR Anxiety OR Anxiety Disorders	OR Anxiety Disorders	OR Anxiety Disorder	OR Anxiety Disorders
3. “Substance use*”	substance-use* OR alcohol misuse* OR cannabis* OR tobacco* OR vaping* OR electronic cigarette* OR e- cigarette* OR illicit drug* OR “methamphetamine*” OR ecstasy* OR opioid* OR alcohol* OR amphetamine OR cocaine* OR opiate* OR heroin* OR inhalant* OR marijuana OR LSD OR	“Substance-Related Disorders”[MeSH]	“Substance Use Disorder” OR “Substance Use Prevention”	“Substance Use” OR “Substance Abuse”	“Substance Use Disorders” OR “Substance USE”

	MDMA OR GHB OR ketamine OR kava OR steroid* OR NPS OR hallucinogen* OR benzodiazepine * OR stimulant*				
4. Prevention	prevention OR education* OR program* OR campaign* OR curriculum*	“Primary Prevention”[M eSH] OR “Secondary Prevention”[M eSH] OR ((health* OR prevention* OR education*) adj3 (program* OR design* OR implementat* OR evaluat*	“Harm Reduction” OR “Prevention ” OR “Relapse Prevention” OR ((health* OR prevention* OR education*) adj3 (program*	“Prevention ” OR “Prevention Study” OR “Primary Prevention” OR “Secondary Prevention” OR “Smoking Prevention” OR ((health* OR	“Substance Use Prevention ”

		OR strateg* OR initiative* OR campaign* OR promot* OR curriculum* OR policy OR policies))	OR design* OR implementat ion* OR evaluation* OR strateg* OR initiative* OR campaign* OR promot* OR curriculum*))	prevention* OR education*) adj3 (program* OR design* OR implementat ion* OR evaluation* OR strateg* OR initiative* OR campaign* OR promot* OR curriculum*))	
5. Young people	youth OR adolescen* OR teen* OR “young people” OR child OR “young adult*”	Adolescent OR Young Adult OR Child		Adolescent OR Child OR Young Adult	Young Adult OR Child

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Table 2. List and definitions of study characteristics for which data will be extracted

Data item	Definition
Title	Title of publication
Publication date	Date of publication
Authors	Publication authors
Setting	Location of program implementation, including geographical location
Sample characteristics – basic demographics	Standard demographic factors of study participants: age, sex, gender
Sample characteristics – marginalised group membership	Marginalised group identity, e.g., LGBTQA+, Aboriginal and/or Torres Strait Islander young people
Sample size	How many participants were included in the study?
Sample method	How were program participants identified and selected?
Study design	Study design employed
Comparison	The comparison group used, if applicable
Research translation position	Where along the research translation spectrum the article sits: knowledge

	generation, intervention development, intervention effectiveness, intervention implementation, intervention evaluation
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Table 3. Intervention characteristics with definitions and rationales

Participants	Who were program participants? E.g., child, parent/guardian	To identify participants targeted by available interventions
Eligibility requirements	Were there eligibility requirements for program participation? If so, what were they?	To analyse the access and reach of available interventions
Program name	What was the program called? (If applicable)	To identify the names of available interventions
Program components and delivery	What components comprise this program and how are they delivered?	To identify components of a successful trauma-informed drug prevention program
Program aim	What was the stated aim of the program?	To scope the aims of available programs
Program mode of delivery	How are the program components delivered?	To identify optimal delivery of trauma-informed prevention program

Prevention scope	What risk and protective factors for mental ill-health and/or substance use does this program target?	To evaluate how trauma-informed prevention differs by target
Underpinning theory	What is the underpinning theory of the program?	To scope the underpinning theories of trauma-informed prevention programs
Follow-up	Were program participants followed up? If so, how?	To evaluate short and long-term effects of interventions

Table 4. Trauma-informed intervention characteristics with definitions and rationales

Outcome	Definition	Rationale
Rationale	Do the authors state a rationale for this program being <i>trauma-informed</i> ?	To build a standardised recommendation and case for trauma-informed program design
Trauma type	What types of traumatic exposures inform this program?	To identify common and uncommon traumatic exposures accounted for in current trauma-informed prevention
Trauma-informed characteristics	What program characteristics embody	To analyse what program characteristics optimally

	‘trauma-informed’ principles?	reflect trauma-informed design
Trauma-informed adaptation and implementation	Was the program designed trauma-informed or adapted to be trauma-informed? If so, how?	To evaluate best-practice adaptation and implementation of trauma-informed program design
Trauma-informed design guideline	What guideline, if any, was used to design this trauma-informed program?	To identify best-practice guideline where available
Trauma-informed training requirement	What training requirements, if any, were there for those involved with program delivery?	To analyse training and education needs (met and unmet) for trauma-informed prevention program personnel

Table 5. Intervention outcomes with definitions and rationales

Outcome	Definition	Rationale
Effectiveness – outcome measures	What outcomes were used to measure program effectiveness ¹ ?	To identify range of outcomes used to measure effectiveness of available interventions
Effectiveness – outcome results	What were the program effectiveness results?	To evaluate effectiveness of available interventions

¹ The degree to which the program has reduced and prevented mental ill-health and substance use among participants

Acceptability – outcome measures	What outcomes were used to measure program acceptability ² ?	To identify range of outcomes used to measure acceptability of available interventions
Acceptability – outcome results	What were the program acceptability results?	To evaluate acceptability of available interventions
Feasibility – outcome measures	What outcomes were used to measure program feasibility ³ ?	To identify range of outcomes used to measure feasibility of available interventions
Feasibility – outcome results	What were the program feasibility results?	To evaluate feasibility of available interventions

² The degree to which program users are satisfied

³ The degree to which the logistical delivery of the program was achievable and sustainable, with consideration of required land, resources, and capital. This includes level of attendance or participation from program start to completion