

Report Supplementary Material 1: CHIMES Review Eligibility Criteria

Each publication must meet the following inclusion criteria to progress to the subsequent assessment phase.

Year: Published since 1990.

Language: All languages included.

Country: Higher income countries (34 countries as defined by World Bank OECD classification).

Publication type: Empirical research. Non-empirical publications reporting intervention theory linked to empirical evaluation. Systematic reviews to be included and labelled at screening stage for forensic searching of empirical studies.

EXCLUDE: Commentaries, letters, scale validation.

Study Design: *Programme theory; Description theory of change; logic model; testing mechanism of effect* (e.g. mediation analysis).

Outcome evaluation: (Individual/cluster) randomised controlled trials; quasi-experimental (difference in difference; non-equivalent control groups). *Process evaluation:* All study designs. *Economic evaluation:* Model-based; trial-based.

NOTE: All theory of change articles must have a sibling eligible outcome evaluation to meet the inclusion criteria.

EXCLUDE: Post-test measurement only; post measurement in intervention group only.

Primary Outcomes: (Subjective) wellbeing; quality of life, life satisfaction; mental health, behavioural or neurodevelopmental disorders (neurodevelopmental; schizophrenia/primary psychotic; catatonia; mood; anxiety/fear-related; OCD; stress; dissociation; feeding/eating; elimination; impulse control; disruptive/dissocial; personality; paraphilic; factitious; neurocognitive; mental/behavioural associated with pregnancy/childbirth); self-harm /self-injury (with or without suicidal intent); suicidal ideation; suicide.

EXCLUDE: Substance misuse; euthanasia or assisted suicide; accidental death (e.g. accidental overdose). Bio-medical markers of potential mental health problems (e.g. cortisol as a measurement of stress).

Primary Outcome Population (i.e. primary outcome must be measured in this population): Children and young people (aged up to and including 25). Currently with statutory care or previous experience of care. Care defined as: foster care; residential care; children's home; care order/permanence order; kinship care; residential schools / residential boarding schools; respite care.

EXCLUDE: Adoption; Children in Need (CiN); edge of care; residential treatment centres; adult prisons (without care history); Youth Offending Institutions (without care history); Custody (without care history); homeless; unaccompanied asylum seeking children; orphanages.

Comparator: Treatment as usual; other active treatment; no specified treatment.

Intervention Type: Interventions are defined as an attempt to disrupt the system. Any "intervention type". Interventions can focus on prevention or treatment.

Intervention Setting: Any intervention setting.

Intervention Implementation: Any intervention implementation theory, strategy or agents.

Target Intervention Population: Any target intervention population.

