

Report Supplementary Material 2: Programme Theory Data Extraction and Quality Appraisal

Table of Contents

1.	<i>Extraction Tool and Coding Tree</i>	2
2.	<i>Theory of Change Quality Appraisal Tool (Tancred et al., 2019)</i>	4

1. Extraction Tool and Coding Tree

- Method/process for Theory Development (ID = 8254125) [Selectable (show checkbox)]
(How was the theory developed? Were stakeholders involved in constructing it?)
 - Not mentioned (ID = 8257363) [Selectable (show checkbox)]
 - Mentioned (ID = 8577528) [Selectable (show checkbox)]
- Theory Description (ID = 8254126) [Selectable (show checkbox)]
 - Name of Theory (ID = 8254127) [Selectable (show checkbox)]
 - Ainsworth Maternal Sensitivity (ID = 8257364) [Selectable (show checkbox)]
 - Stress Reduction (ID = 8422723) [Selectable (show checkbox)]
 - Resilience Theory (ID = 8422724) [Selectable (show checkbox)]
 - Re-education Model (ID = 8431741) [Selectable (show checkbox)]
 - No specific theory name (ID = 8431744) [Selectable (show checkbox)]
 - Social Learning Theory (ID = 8432707) [Selectable (show checkbox)]
 - Generic system change (ID = 8448026) [Selectable (show checkbox)]
 - Role Enactment (ID = 8448050) [Selectable (show checkbox)]
 - Coercive Family Process (ID = 8448063) [Selectable (show checkbox)]
 - Trauma-Focused Cognitive Behavioural Therapy (ID = 8448064) [Selectable (show checkbox)]
 - Positive Youth Development (ID = 8448065) [Selectable (show checkbox)]
 - Operant Conditioning (ID = 8448066) [Selectable (show checkbox)]
 - Attachment (ID = 8448067) [Selectable (show checkbox)]
 - Neurobiological Functioning (ID = 8587652) [Selectable (show checkbox)]
 - Relationship Building (ID = 9137410) [Selectable (show checkbox)]
 - Therapeutic alliance (ID = 9845795) [Selectable (show checkbox)]
 - Equine Facilitated Psychotherapy (ID = 10354796) [Selectable (show checkbox)]
 - Cognitive problem-solving (ID = 10354884) [Selectable (show checkbox)]
 - Parent Management Training (ID = 10354885) [Selectable (show checkbox)]
 - Family therapy (ID = 10354886) [Selectable (show checkbox)]
 - Multi-systemic therapy (ID = 10354887) [Selectable (show checkbox)]
 - Delayed maturation (ID = 10355368) [Selectable (show checkbox)]

- Encouragement-based parenting (ID = 10355369) [Selectable (show checkbox)]
- Discipline of Theory (ID = 8254128) [Selectable (show checkbox)]
 - Psychology (ID = 8257367) [Selectable (show checkbox)]
 - Organisational (ID = 8448059) [Selectable (show checkbox)]
 - Community (ID = 8459469) [Selectable (show checkbox)]
 - Neurobiological (ID = 8587650) [Selectable (show checkbox)]
- Overview of Theory (ID = 8254129) [Selectable (show checkbox)]
(Overview of theoretical basis)
- Logic Model (ID = 8257361) [Selectable (show checkbox)]
 - Logic Model Included (ID = 8431745) [Selectable (show checkbox)]
 - Logic Model Not Included (ID = 8431746) [Selectable (show checkbox)]
- Domain of Theory (ID = 8257369) [Selectable (show checkbox)]
 - Interpersonal (ID = 8257370) [Selectable (show checkbox)]
 - Intrapersonal (ID = 8422716) [Selectable (show checkbox)]
 - Organisational (ID = 8448060) [Selectable (show checkbox)]
 - Community (ID = 8459468) [Selectable (show checkbox)]

2. Theory of Change Quality Appraisal Tool (Tancred et al., 2019)

- CLARITY: Constructs defined (ID = 8459591) [Selectable (show checkbox)]
Are its constructs well specified or are they very general and/or very vague?
 - Yes (1) (ID = 8459592) [Selectable (show checkbox)]
 - No (0) (ID = 8459594) [Selectable (show checkbox)]
- CLARITY: Clear pathways from inputs to outcomes? (ID = 8605035) [Selectable (show checkbox)]
Clear pathways from inputs to outcomes
 - Yes (1) (ID = 8605040) [Selectable (show checkbox)]
 - No (0) (ID = 8605042) [Selectable (show checkbox)]
- PLAUSIBILITY AND FEASIBILITY: Theorised pathways are logically plausible? (ID = 8605044) [Selectable (show checkbox)]
Theorised pathways are logically plausible
 - Yes (1) (ID = 8605045) [Selectable (show checkbox)]
 - No (0) (ID = 8605047) [Selectable (show checkbox)]
- PLAUSIBILITY AND FEASIBILITY: Empirical evidence in support of theory? (ID = 8605050) [Selectable (show checkbox)]
Empirical evidence in support of theory
 - Yes (1) (ID = 8605056) [Selectable (show checkbox)]
 - No (0) (ID = 8605057) [Selectable (show checkbox)]
- TESTABILITY: Evidence of empirical testing of theory? (ID = 8459599) [Selectable (show checkbox)]
Evidence of empirical testing of theory
 - Yes (1) (ID = 8459600) [Selectable (show checkbox)]
 - No (0) (ID = 8459602) [Selectable (show checkbox)]
- OWNERSHIP: Theory developed with children and young people? (ID = 8459603) [Selectable (show checkbox)]
Theory developed with children and young people
 - Yes (1) (ID = 8459604) [Selectable (show checkbox)]
 - No (0) (ID = 8459607) [Selectable (show checkbox)]
- OWNERSHIP: Theory developed with carers and professionals? (ID = 8605059) [Selectable (show checkbox)]
Theory developed with carers and professionals
 - Yes (1) (ID = 8605060) [Selectable (show checkbox)]
 - No (0) (ID = 8605061) [Selectable (show checkbox)]
- GENERALISABILITY: Theory presented as general? (ID = 8459608) [Selectable (show checkbox)]
Theory presented as general
 - Yes (1) (ID = 8459610) [Selectable (show checkbox)]
 - No (0) (ID = 8459612) [Selectable (show checkbox)]

- GENERALISABILITY: Theory describes its application to different contexts? (ID = 8605062) [Selectable (show checkbox)]
Theory describes its application to different contexts
 - Yes (1) (ID = 8605063) [Selectable (show checkbox)]
 - No (0) (ID = 8605065) [Selectable (show checkbox)]
- GENERALISABILITY: Authors present evidence of a theory's generalisability? (ID = 8605066) [Selectable (show checkbox)]
Authors present evidence of a theory's generalisability
 - Yes (1) (ID = 8605067) [Selectable (show checkbox)]
 - No (0) (ID = 8605068) [Selectable (show checkbox)]
- Total score % (ID = 8606473) [Selectable (show checkbox)]

References

Tancred, T., Melendez-Torres, G., Papparini, S., Fletcher, A., Stansfield, C., Thomas, J., . . . Bonell, C. (2019). Interventions integrating health and academic education in schools to prevent substance misuse and violence: a systematic review. *Public Health Research, 7*(17), 1-244.