

Table 1 Key Characteristics of included reviews

Review authors, year, type of review, country of origin	Number of included studies	Number of group-based studies with justice-involved youth (sample N)	Interventions	Intervention orientation and components	Outcome domain		
					Trauma	Mental health and wellbeing	Justice system related outcomes
Baetz et al. (2022) Systematic Review US	7	7 (655)	Cognitive processing therapy; SITCAP-ART; Think Trauma (staff training)+ TGCT-A (youth treatment); TARGET (2 studies); MTFC + T; WRITE-ON	Trauma processing; sensory processing; CBT; trauma affect regulation education & skill development; TI environmental modifications; TI psychoeducation and training; expressive writing	PTSD symptoms	Co-occurring mental health symptoms and disorders	Juvenile justice-related outcomes (including behavioral problems, time spent in seclusion, post-release delinquent behavior and/or rearrest)
Eadeh et al. (2021) Meta-analytic review US	31	4 (304)	TARGET; Multiple group family intervention (2 studies); juvenile justice anger management for girls	Trauma affect regulation education and skill development; affect regulation and attachment; anger management.	-	Emotion regulation; maladaptive and adaptive affect regulation; positive and negative cognitive regulation	-
Gagnon et al. (2022) Systematic Review Finland/US	11	10 (1882)	Think Trauma (staff training)+ STAIR (youth therapy); Addressing the Harm; dialectical behavior therapy; TF-CBT; motivational interviewing; gender-responsive programming (vs behavioral reinforcement); Sanctuary@; WRITE-ON; social problem-solving training; TGCT-A (youth therapy)+ Think Trauma (staff training)	Trauma affect regulation education and skill development; restorative justice; CBT; trauma-informed organizational transformation; problem solving; trauma & grief processing; trauma-informed staff training	Trauma symptoms	Internalizing, depression; affect regulation; perceived safety	Violent incidents (youth); restraint and seclusion; recidivism

Table 1 (continued)

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					Trauma	Mental health and wellbeing	Justice system related outcomes
Givens et al. (2021) Systematic Review US	19	6 (448)	Meditation course; mindfulness training; TARGET; aerobic exercise training; TGCT-A (youth) + Think Trauma (staff); structured group therapy; coping course	Mindfulness; trauma affect regulation, psychoeducation and skill development; physical fitness training; CBT; coping & problem-solving; trauma & grief processing; staff training	-	Affect-regulation; externalizing behaviors; mood; life attitudes; self-esteem; social adjustment	-
Hodgkinson et al. (2021) Systematic Review UK	14	14 (5,469)	Goal setting + post-release care; re-entry services; cognitive training + post-release care; decompression treatment (2 related studies); enhanced thinking skills (vs reasoning & rehabilitation); Two intensive regimes for young offenders; TARGET; Teen Court; diversion program; Re-ART; computerized training in negative emotion recognition; cognitive intervention program; values-based therapeutic environment	A diverse range of psychological treatments aimed at developing psychological resilience in serious juvenile offenders. Components include CBT; positive behavioral reinforcement; intensive fitness training, vocational training, emotion recognition; problem-solving and goal setting; negative behavioral reinforcement	-	Psychological measures of resilience, emotion regulation, dynamic risk factors, self-esteem, sense of self, sense of coherence; psychopathy	Reoffending and related outcomes (frequency and severity of offending; time to reoffending; completion of community sentences)

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Kumm et al. (2019) Meta-analytic review US	11	11 (821)	Cognitive processing therapy; dialectical behavior therapy; psychoeducational group intervention (2 unrelated studies); CBT; social problem-solving training; attributional retraining; TARGET; TGCT-A (youth) + Think Trauma (staff training); coping course; animal assisted therapy	Cognitive processing and cognitive behavioral therapy; psychoeducation; affect regulation (including distress tolerance); coping and problem-solving; animal therapy	PTSD	Anxiety, depression, internalizing behavior	-
Olaghere et al. (2021) Meta-analysis US	30	6 (393)	Cognitive processing therapy; TARGET (2 studies); MTFC; image rehearsal therapy; Sanctuary Model®	Cognitive processing, trauma affect regulation, psychoeducation and skill development; TI environmental modification; CBT and behavioral reinforcement; trauma processing; trauma-informed organizational transformation and psychoeducation	PTSD and related symptoms	Affective outcomes; hope	Delinquent behavior
Purtle (2020) Systematic Review US	23	1 (30)	Sanctuary Model	Trauma-informed organizational transformation	-	Physical and perceived safety of youth and staff	-

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Rhoden et al. (2019) Systematic Review US	14	12 (995)	Cognitive processing therapy; TF-CBT training (staff training) + TFCBT (youth); TARGET (3 studies); MASTR; SPARCS; prolonged exposure; image rehearsal therapy; structured group therapy; psychoeducational group therapy; SITCAP-ART; EMDR; MTFC + T	Cognitive processing; CBT; exposure; trauma processing; sensory processing; eye movement desensitization; trauma affect regulation, psychoeducation and skill development; trauma-informed environmental modification; goal setting, behavioral reinforcement	PTSD symptoms	-	-

CBT cognitive-behavioral therapy, *EMDR* eye movement desensitization and reprocessing, *MASTR* Motivation-Adaptive Skills-Trauma Resolution, *MTFC* Multidimensional Treatment Foster Care, *MTFC+T* Multidimensional Treatment Foster Care plus Trauma, *RE-ART* Responsive Aggression Regulation Therapy (Outpatient), *SITCAP-ART* Structured Sensory Intervention for Traumatized Children, Adolescents and Parents – Adjudicated and at Risk Youth, *SPARCS* Structured Psychotherapy for Adolescents Responding to Chronic Stress, *TARGET* Trauma Affect Regulation: Guide for Education and Therapy, *TF-CBT* trauma-focused cognitive behavioral therapy, *TGCT-A* Trauma and Grief Component Therapy-Adolescent, *TI* trauma-informed, *WRITE-ON* Writing and Reflecting on Identity To Empower Ourselves as Narrators, *PTSD* posttraumatic stress disorder