CHILD AND ADOLESCENT DISORDERS (TD BENTON, SECTION EDITOR)

Evidence-Based Treatments for Traumatized Children and Adolescents

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Abstract This article reviews recent advances in empirically supported psychotherapeutic treatments for children and adolescents experiencing trauma and provides a brief summary of available interventions, as well as a context for their use. We highlight the American Academy of Child and Adolescent Psychiatry's recent practice guidelines for trauma treatment and discuss their implications for clinicians, including the benefits of involving caregivers in treatment and the rationale for using practices that are specifically trauma-focused as firstline intervention. Finally, we discuss the status of research on the real-world implementation of these therapies and the need for further research, particularly regarding clinician knowledge and use of empirically supported practices, potential stepped-care approaches to trauma treatment, and the need to reduce attrition in child trauma research and practice.

Keywords Posttraumatic stress disorder · PTSD · Child (children) · Adolescent · Trauma · Evidence-based · Empirically supported · Treatment · Therapy · Intervention · Outcome · Trauma-focused cognitive behavioral therapy · TF-CBT · Child-parent psychotherapy · CPP · Combined

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Introduction

Between 60 % and 90 % of children and adolescents presenting for outpatient mental health treatment have been exposed to trauma [1•]. In pediatric clinical samples, high levels of traumatic stress have been found in approximately 90 % of children who are sexually abused, 75 % of those exposed to school violence, 50 % of those physically abused, and 35 % of children exposed to community violence [2]. Although child trauma is a significant and pervasive mental health condition, it is potentially one of the most treatable—a remarkable development, considering that no empirically supported treatments for child trauma existed before the late 1990s. The National Child Traumatic Stress Network (NCTSN) suggests that trauma treatment may also build resilience, indicating that "children who receive timely and appropriate treatment may not only recover, but gain the tools and capacity to cope more successfully with future stress" [3].

Recent developments in child trauma treatment support this perspective and reflect a growing understanding of the psychotherapeutic mechanisms that are effective in trauma therapy. Over the past decade, the scientific focus of treatment studies has evolved from "does it work?" to "how it works, with whom, and why." Achieving a greater understanding of how treatments are translated into clinical practice will mark another milestone in the field's ongoing development.

The NCTSN has contributed to this development by dramatically raising public awareness and elevating the standard of care for children experiencing trauma throughout the past decade. By bringing together treatment experts, front-line clinicians, and affected families, the NCTSN has



advanced the development of evidence-based treatments and their dissemination, while facilitating the integration of trauma assessment and intervention across multiple child-serving systems [3].

Proposed changes to the DSM-V [4] overlap with the achievements of the NCTSN and underscore increased recognition of trauma's impact on mental health. Recommendations include relocating trauma-related disorders from Anxiety Disorders into a new primary category, encompassing Acute Stress Disorder, Post-Traumatic Stress Disorder (PTSD), and Trauma- or Stressor-Related Disorder Not Elsewhere Classified and expanding the symptom clusters in the PTSD diagnostic category from three (re-experiencing; avoidance / numbing; and increased arousal) to four (intrusion; avoidance; alterations in cognitions and mood; alterations in arousal and reactivity). Many of the symptoms within these clusters have been more pragmatically redefined in behavioral and culturally relevant terms. Of particular interest is the inclusion of the pre-school subtype for PTSD, which describes associated symptoms in developmentally appropriate terms and signifies the growing recognition of the impact of trauma on pre-school children, as well as the need for accurate diagnosis [4].

Treatment Considerations

In its recent practice guideline regarding the assessment and treatment of children and adolescents with PTSD [5.], The American Academy of Child and Adolescent Psychiatry (AACAP) outlined three key recommendations for psychotherapeutic treatment, which underscore the need to: (1) consider the severity and degree of child impairment due to PTSD symptoms; (2) integrate interventions for comorbid conditions into trauma treatment where feasible, and (3) adopt trauma-focused psychotherapies as first-line treatment. These parameters also emphasize the inclusion of parents or caregivers in treatment and highlight several important issues that should be taken into account when treating children and adolescents experiencing trauma. Because many clinicians encounter children with posttraumatic stress who also have significant functional impairment, the guidelines recommend that impairment be considered an important marker for treatment outcome, along with symptom improvement. This also suggests that clinicians should use standardized assessments for symptom severity and impairment throughout treatment. Since posttraumatic stress in children is often co-morbid with other conditions, such as depression, anxiety, oppositional defiant disorder, and conduct disorder [2], clinicians should consider integrating trauma interventions with treatment for co-morbid psychiatric diagnoses, where indicated [5.]. In these cases, clinicians may opt to use a trauma-focused psychotherapy, such as Trauma-Focused Cognitive Behavioral Therapy (TF-

CBT), which not only decreases symptoms of posttraumatic stress, but also addresses other co-occurring problems.

Finally, AACAP practice guidelines recommend that clinicians use trauma-focused psychotherapies as first-line treatment [5..]. In contrast to supportive, non-directive, or other specialized therapies, trauma-focused treatments explicitly address children's traumatic experiences and help them overcome avoidance of trauma-related memories, beliefs, and feelings through the use of gradual exposure and cognitive or emotional processing techniques. Regardless of theoretical orientation, trauma-focused therapies also help children regain a sense of control over the trauma (e.g., the ability to think or talk about the trauma without feeling overwhelmed), destigmatize the potential shame the trauma has engendered, and normalize symptoms as common and understandable responses to the traumatic event [6]. This is often accomplished using an exposure-based technique known as the trauma narrative, which involves gradually retelling and reprocessing the details of the event. Repeated exposure to the traumatic details has been shown to extinguish the negative emotional and behavioral responses associated with the traumatic memory and to enhance cognitive processing by creating a coherent, contained narrative that situates the event and its reminders into a more adaptive context. Although other cognitive-behavioral techniques, such as anxiety management, affect regulation, and cognitive restructuring, can alleviate trauma-related anxiety and depression, trauma-focused techniques-like the trauma narrative-that facilitate exposure to and processing of the traumatic memory have been shown to be essential in resolving PTSD symptoms [7].

As the AACAP guidelines suggest, parent participation is crucial to achieving treatment outcomes. Parent engagement in trauma treatment has also been shown to have a significant impact on rates of dropout [6]; parents with positive perceptions of treatment can become important partners in reinforcing therapeutic benefits between sessions, maintaining clinical gains, and helping children move forward with normal activities after treatment ends [8]. While joint caregiver participation is standard for many trauma therapies, parent and family engagement in treatment can be especially problematic with PTSD, as the child's traumatic event often directly involves or vicariously impacts other family members. Intergenerational transmission of trauma, seen in refugee families or in families with multiple, ongoing, or chronic trauma (e.g., violence and abuse), can also impede effective treatment. A child's PTSD can be exacerbated by caregivers and family members who are suffering their own traumatic stress and are too preoccupied or overwhelmed to attend to the child's needs [9.]. Caregiver involvement is critical in treating trauma in younger children because of the potential attachment rupture experienced by the child as a result of the trauma (e.g., abuse, maltreatment) and the need to reestablish the parental role as the child's protective, secure base. Lieberman et al. [10•] suggest that recovery



from trauma for younger children is firmly rooted in the quality of their attachment to caregivers and should be addressed in a relational context. Similarly, Bernardan & Pernice-Duca [9•] advocate for a family systems perspective in trauma assessment and treatment and for involving caregivers and other family members in co-constructing the trauma narrative to enhance communication and understanding of the impact and role of the trauma within the family.

Status of Empirically Supported Treatment for Child Trauma

Among trauma-focused psychotherapies, Trauma-Focused Cognitive-Behavioral Therapy (TF-CBT) [11] and Child Parent Psychotherapy (CPP) [12] have the strongest empirical support. Combined Parent-Child Cognitive-Behavioral Therapy (CPC-CBT) [13] and Pre-School PTSD Treatment (PPT) [14•], both adapted from TF-CBT, are important new therapies that show empirical promise. Other trauma-focused psychotherapies are available for different patient groups and vary in empirical support (see Table 1):

- Individual or dyadic therapies: Prolonged Exposure Therapy for Adolescents [15]; Eye Movement Desensitization and Reprocessing [16]; "A Home Within" Relationship-Based Play Therapy Model [17]; and Trauma Adaptive Recovery Group Education and Therapy for Adolescents [18]
- Family and other systemic therapies: Risk Reduction through Family Therapy [19]; Strengthening Family Coping Resources [20]; Trauma Systems Therapy [21]; and Surviving Cancer Competently Intervention Program For Adolescent Survivors of Childhood Cancer and their Families [22]
- School-based or group therapies: Grief and Trauma Intervention for Children [23]; Cognitive-Behavioral Intervention for Trauma in Schools [24]; and Trauma and Grief Component Therapy for Adolescents [25]

For comprehensive critiques of evidence-based treatment options for child PTSD, see reviews by Dorsey et al. [26] and Cohen & Mannarino [27].

Trauma-Focused CBT

Recent metanalyses by Cary and McMillan [28] and Kowalik et al. [29] continue to demonstrate the effectiveness of Cognitive Behavioral Therapy (CBT) in general, and TF-CBT specifically, as front-line treatment for child trauma. These data show significant differences between TF-CBT or highly similar CBT treatments, compared with non-CBT therapies or treatment as usual, in reducing symptoms of PTSD, depression, and

internalizing behaviors across 18 studies (n=24–229) [28, 29]; however, only the PTSD findings were maintained at 12-month follow-up [28]. In comparison, Mannarino and others [30, 31] have demonstrated treatment gains with TF-CBT for child and parent PTSD, depression, anxiety, and child behavior problems at 1- and 2-year follow-up. These inconsistent findings might be explained by variations in post-treatment outcome methods and measures combined with high post-treatment attrition. Pending conclusive longer-term data, clinicians should conceptualize trauma treatment along a continuum that seeks to initially decrease symptoms of PTSD and functional impairment, while remaining vigilant in the months following treatment for co-occurring conditions that may persist.

More than a half-dozen larger scale (n=35-229) randomized clinical trials for TF-CBT have unequivocally shown positive therapeutic outcomes for children aged 3-17 experiencing trauma due to sexual abuse [32]. More recently, TF-CBT has demonstrated efficacy for children experiencing other traumas, including community violence/terrorism [33], interpersonal violence [34, 35], and multiple traumas resulting in foster care placement [36]. TF-CBT has been adapted for use with child traumatic grief [37], trauma and grief in military children [38], and children experiencing refugee trauma [39]. Since TF-CBT is not indicated for all children with trauma—especially those with untreated substance abuse, psychosis, bipolar disorder, or those with high risk or safety concerns-Lang et al. [1•] provide clinicians with a useful algorithm for determining which children are appropriate for TF-CBT and which may require crisis intervention or other treatment in advance of TF-CBT.

Child-Parent Psychotherapy

Child-Parent Psychotherapy combines elements of cognitivebehavioral, attachment-based, and psychodynamic therapies to treat young children (infant to 7 years) who have witnessed or experienced family violence or trauma. CPP focuses on co-creating a trauma narrative and coprocessing the trauma experience in a relational context using play and empathic parent-child communication and is designed to help parents more accurately and positively respond to their child's emotions and behaviors. Outcome data from three randomized controlled trials (n=75-122) of CPP have demonstrated significant decreases in child PTSD symptoms and problem behaviors and increases in child attachment security. Mothers participating in CPP showed significant decreases in depression and avoidant PTSD symptoms [10•]. A recent secondary analysis of data from a previous CPP trial (n=75) suggests that mental health treatment gains from CPP may be greater in families with ongoing or chronic trauma (those whose children have experienced four or more traumatic or stressful life events), particularly for maternal PTSD and depression [40].



Table 1 Selected evidence-supported trauma-focused treatments for children and adolescents

Treatment	Population	Trauma types	Description	Length/format
Trauma-focused cognitive behavioral therapy [11]	Ages 3-18 and their caregivers	Abuse; Traumatic grief; General trauma	 Multi-component treatment facilitating cognitive/ emotional processing using gradual exposure and a trauma narrative, as well as anxiety management, affect regulation, and cognitive restructuring 	12-16 sessions; includes conjoint sessions
Child-parent psychotherapy [12]	Ages birth- 5 and their caregivers	Domestic/ other violence; Maltreatment	Conjoint child-parent therapy utilizing play and in-session communication to improve parent responsiveness and to strengthen the parent-child attachment	• 52 (avg.) conjoint sessions
Combined parent- child cognitive behavioral thera- py [13]	Ages 3-17 and their caregivers	 Physical abuse or families with high risk of physical abuse 	 Uses trauma narrative and processing to help children and families cope with prior abusive experiences. Teaches parents non-coercive care giving and communication skills to strengthen family relationships and enhance family safety 	 16-20 sessions; includes offending caregiver and multi- family groups
Preschool PTSD treatment [14•]	Ages 3-6 and their caregivers	General trauma	 Adapted from TF-CBT, utilizes developmentally appropriate drawing exercises to help traumatized pre-school children identify thoughts and feelings and to process the trauma narrative 	• 12 conjoint sessions
Prolonged exposure therapy for adolescents [15]	Ages 12-18 and their caregivers	General trauma	 Uses in vivo and imaginal exposure to help teens revisit the trauma memory, tolerate distress and resume previous activities 	 8-15 sessions; may include family support sessions
Trauma adaptive recovery group education & treatment [18]	Ages 10-18	Abuse; Maltreatment; Violence; Chronic trauma; Sexual assault	 Components-based treatment using cognitive behavioral, relational, and nurrative techniques to help adolescents regulate extreme emotional states, process trauma memories, make thoughtful behavioral choices, and improve interpersonal problem solving 	 4-12 sessions; offered individually, in groups or in family-based formats
Risk reduction through family therapy [19]	Ages 12-17 and their families	•	 Uses family communication, interpersonal problem- solving, healthy decision-making, and trauma narrative processing to decrease adolescents* risk for drug use, PTSD, and risky sexual behaviors 	 15-25 sessions; includes individual and family sessions
Strengthening family coping resources [20]	All age family members	Complex family trauma	 Uses a multi-family group framework to help families to establish rituals and routines, teach positive coping skills, and co-construct and process a family trauma narrative 	 15 sessions; delivered in multi-family groups
Trauma systems therapy [21]	Ages 6-18 and their caregivers	General trauma	Coordinates interventions across systems to facilitate child/family engagement, contain the traumatized child's emotional and behavioral dysregulation, and address stressors in the child's social environment	 Varies; delivered in individual, family, or group settings
Grief and trauma intervention for children [23]	Ages 7-12	Violence; Disaster; Traumatic loss	Based on CBT and narrative therapy techniques, uses art, drama, play, and rituals to help children talk about their trauma memories, make meaning of their losses, and develop positive coping strategies	 10 sessions; offered in individual, group, or school formats
Cognitive- behavioral intervention for trauma in schools [24]	School- based, grades 3-8	General trauma	Incorporates CBT techniques such as relaxation, guided imagery, social problem-solving, exposure to trauma reminders, construction and processing of trauma narrative to reduce PTSD, depression, and behavioral problems while enhancing coping skills and peer support	 13 sessions (avg.); offered individually and in peer sessions
Trauma and grief component therapy for adolescents [25]	School- based, ages 12-20	Community violence; Traumatic loss	Components-based CBT treatment that teaches emotional regulation, discusses trauma experiences and reactions; addresses maladaptive beliefs relating to trauma and loss to improve adaptive coping	• 10-24 sessions; offered individually or in groups

Combined Parent-Child Cognitive Behavioral Therapy

Unlike TF-CBT and CPP, which include the non-offending caregiver, Combined Parent-Child Cognitive-Behavioral Therapy is a promising trauma treatment for parents who engage in or are at risk of physical abuse and

their traumatized children. Similar to TF-CBT, CPC-CBT uses gradual exposure, the trauma narrative, and cognitive processing to address symptoms of PTSD in children. Parent components include motivational interviewing, anger control, and examination of parent-child interactions [13]. Two studies [13], $[41 \cdot]$ to date (n = 12, 12)

44) have demonstrated pre- and post-treatment improvements in child PTSD and positive parenting skills and reductions in child behavior problems and parental use of physical punishment.

Pre-School PTSD Treatment

Preschool PTSD Treatment adapts many of the TF-CBT components for use with younger children, ages 3 through 6. Like TF-CBT, PPT uses gradual exposure and drawing exercises to aid the child's processing of painful trauma memories and incorporates parenting skills, psychoeducation, relaxation, feelings identification, trauma narrative, and relapse prevention. Unlike TF-CBT, the parent fully participates throughout each PPT session. A recent randomized controlled trial (n=62) showed significant improvements in young participants' PTSD symptoms as compared to controls. Although the effect size was large for PTSD, it is tempered somewhat by the study's high attrition rate. Perhaps more important is the finding that the participating pre-school children could complete the in-session treatment components at least 80 % of the time, suggesting that this adaptation is not only potentially effective, but also developmentally appropriate [14•].

Eye Movement Desensitization and Reprocessing

Based on adaptive information processing theory, Eye Movement Desensitization and Reprocessing (EMDR) uses dual-stimulation exercises that simultaneously attend to both cognitive and physical stimuli to reprocess distressing trauma memories more adaptively and decrease sensitivity to trauma triggers. Although EMDR has demonstrated efficacy in alleviating PTSD in adults, the evidence is less strong when modified for children, as recent studies have been handicapped by small sample sizes and methodological variability. Fields & Cottrell [16] systematically reviewed six studies using EMDR with children (3 randomized, 1 controlled lag, I uncontrolled, and I case report) finding that, although EMDR demonstrated some efficacy in reducing PTSD symptoms, it was not superior to CBT. From these studies, EMDR was more effective at reducing symptoms of re-experiencing and less successful with hyperarousal and avoidance. The review also suggests that, for single-incident trauma, treatment gains with EMDR may occur more rapidly than with CBT. A recent controlled study of a four-session EMDR protocol with 27 children involved in motor vehicle accidents showed a 75 % reduction in PTSD symptoms in the EMDR group compared with no symptom reduction in the wait list controls [42].

Early, Preventive Treatments

An emerging area of clinical focus is therapy protocols that address or prevent early traumatic stress symptoms. Of these, the Child and Family Traumatic Stress Intervention (CFTSI) [43•] shows the most empirical promise. Delivered soon after a potentially traumatic event, CFTSI facilitates trauma processing by helping affected children and caregivers identify early traumatic stress symptoms, while strengthening family/social support and teaching adaptive coping skills. In a recent clinical trial (n=106), 65 % of children who received the CFTSI intervention within 30 days of a traumatic event were less likely to meet PTSD criteria at 3-month follow-up, as compared to controls. Similarly, Cicchetti et al. [44] demonstrated that Child-Parent Psychotherapy can be effective as a preventive intervention with families at high risk for child maltreatment. This study used cortisol regulation, a common neuroendocrine indicator for stress, as an outcome marker in 91 children aged 1-3 years. It has been well documented that dysregulation of cortisol is linked to elevated levels of traumatic stress. The authors found that those children from high-risk families who received the CPP intervention had cortisol levels similar to non-maltreating families at midand post-treatment and were statistically better regulated than high-risk families receiving standard community services without intervention.

Useful Adjunctive Therapies

While not specifically trauma-focused, Parent Child Interaction Therapy (PCIT) [45], Attachment-Based Family Therapy (ABFT) [46], and Structured Psychotherapy for Adolescents Responding to Chronic Stress (SPARCS) [47] have been used with trauma-exposed children with cooccurring disorders with good outcome. PCIT provides insession, structured coaching for parents to address child behavioral dysregulation. ABFT focuses on repairing interpersonal ruptures and re-building the caregiver-adolescent relationship after a suicide attempt, while SPARCS incorporates elements of cognitive-behavioral and dialectical behavioral therapies to address impulsive behaviors, affect regulation, self-image, and relational distortions that are common in traumatized teens [45–47].

Implementing Empirically Supported Treatments for Child Trauma

Another emerging area of scientific interest focuses upon front-line clinicians' use of evidence-based treatments and fidelity to treatment protocols when treating traumatized



children and adolescents. Allen et al. [48], in a survey of 262 clinicians regarding their knowledge and use of evidencebased treatments, found that less than one-third were able to accurately identify evidence-based treatments, other than TF-CBT. In examining a subset of those clinicians, 78 % reported being trained in TF-CBT; however, only 66 % of these clinicians used TF-CBT with full fidelity (implementing both trauma-focused and non-trauma focused components). Among those implementing only selected components, teaching relaxation skills and providing psychoeducation were the most used, whereas developing a trauma narrative and cognitive processing were less used [49]. Kolko et al. [50] also examined the treatment practices of clinicians trained in TF-CBT and found that the most frequently used techniques were cognitive-behavioral (problem-solving strategies; functional assessment of behavior; self-talk), insight-oriented (understanding causes of problems, personal motivations), and relational (reducing family conflict, strengthening family functioning). No trauma-specific techniques were included among the top ten most frequently used.

While leading researchers agree that trauma-focused therapies are the most efficacious for PTSD, several studies have examined outcome differences when trauma-focused techniques (e.g., gradual exposure, trauma narrative) are included versus excluded from treatment. In a large-scale study (n=210), Deblinger et al. [51] found significant decreases in PTSD symptoms for TF-CBT among treatment completers, regardless of whether trauma-focused techniques were incorporated. However, trauma-focused components were more effective in alleviating parents' abuserelated distress as well as children's abuse-related fear and general anxiety, while the non-trauma-focused (e.g., general CBT) conditions were more effective in improving parenting practices and decreasing child externalizing behaviors. The authors believe these results reflect the differences in content between the two types of components; specifically, general CBT components focus more on parenting problems and child behaviors, while trauma-focused components emphasize processing child and parent thoughts and feelings about the trauma experience.

In smaller studies (*n*=34-70), Nixon et al. [52], Salloum & Overstreet [23], and Gilboa-Schechtman et al. [15] found that traumatized children and adolescents in both treatment conditions (with or without prolonged exposure/trauma narrative) experienced significant reductions in PTSD severity and depression—65 % versus 56 % for single incident trauma in one study [52]. However, those in the exposure-based conditions demonstrated greater symptom relief and increased functioning. In another study [15], twice as many adolescents in the exposure group no longer met PTSD diagnostic criteria at post-treatment compared with those in the comparison treatment (time-limited dynamic therapy).

Similarly, in pilot studies (n=23, 26) Van der Oord et al. [53] and Ruf et al. [54] demonstrated that brief narrative interventions (5-8 sessions), incorporating only traumafocused techniques, were effective in reducing children's PTSD, depression, and behavioral problems.

Conclusion

Evidence from the studies presented suggests that while the intervention science for evidence-based child trauma treatment is progressing, the implementation science for these treatments requires further understanding and refinement. Saxe [55] and others compellingly discuss the benefits of parent engagement in trauma treatment, especially with regard to treatment retention, but further investigation is needed regarding specific methods or techniques that can be effective, especially given the potential for parents' own unresolved symptoms to impede participation. Additionally, more research is needed to determine when the inclusion of trauma-focused components is critical to treatment outcome. Similarly, we need a better understanding of why clinicians opt to use or exclude trauma-focused components as part of treatment for traumatic symptoms. Perhaps clinicians need more skill-based training in implementing these components. As one solution, Layne et al. [56•] have developed the Core Curriculum on Childhood Trauma-a comprehensive set of clinical problem-solving educational modules designed to be integrated into graduate training programs—with the goal of enhancing clinicians' conceptual knowledge and clinical judgment in trauma-informed assessment and treatment.

Although not within the scope of this review, more research is needed regarding the use of psychopharmacologic medications with traumatized children and adolescents. A recent review by Strawn et al. [57] supports the AACAP guideline recommendations that selective serotonin reuptake inhibitors (SSRIs) *not* be used as first-line treatment for PTSD in children and adolescents [5••]. Although there are limited data supporting the use of alpha-adrenergic agents, second-generation antipsychotics, and mood stabilizers for PTSD, they should be used cautiously, and only after determining that the child or adolescent may not benefit from psychotherapeutic intervention alone [5••], [57].

Another approach requiring research is the further development of early intervention/secondary prevention trauma treatment protocols using a stepped-care approach. Utilizing brief early interventions as part of a stepped-care approach might impose less of a burden for the affected child and family and less strain on an already overburdened mental health treatment system, while potentially preventing or mitigating the development of PTSD [58].



Finally, high attrition rates in trauma treatment studies (up to 60 % in some of the studies cited) as well as in clinical practice must be addressed. Research on engagement in child trauma treatment suggests that, due to the inherent nature of trauma symptoms-especially avoidance-and the need to face and process painful feelings and memories in treatment, children and parents need to be better convinced of treatment outcomes in advance and experience tangible benefits during therapy to overcome logistical barriers and emotional pulls (e.g., clients' natural tendency to resist facing emotional pain) [6, 8]. All of the issues outlined above—enhanced parent involvement, the inclusion of trauma-focused components in treatment, effective training in parent/child engagement, and the development of a stepped care approach, in addition to addressing logistical barriers (availability of treatment, transportation, etc.)—can potentially have significant bearing on attrition and should be part of the research agenda for the next decade of this field's development-especially if clinicians are going to be effective in treating traumatized children and adolescents and in building their resilience against future trauma.

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