Meeting the Developmental, Behavioral, and Mental Health Needs of Children in Foster Care

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Introduction

Children and adolescents in foster care face significantly increased risk of having developmental, behavioral, and mental health issues. Healthcare providers play a critical role in addressing the interplay of complex childhood trauma and toxic stress on the developmental, behavioral, and mental health of this vulnerable population.

Many children in foster care have complex trauma histories and are at risk for toxic stress. Toxic stress, defined as the “prolonged activation of the physiologic stress response systems in the absence of the buffering protection afforded by stable, responsive relationships,” significantly impacts early childhood development (Garner & Shonkoff, 2012, p. e225). Toxic stress can disrupt the developing architecture of the brain and adversely affect the development of adaptive capabilities and coping skills during early childhood (Garner & Shonkoff, 2012; Shonkoff & Garner, 2012). Research has associated exposure to complex trauma with increased risk for mental health disorders including Post Traumatic Stress Disorder (PTSD) (Greeson et al., 2011). Additionally, research has shown a dose-dependent effect of exposure to adverse and traumatic events during childhood on increased risk of mental health, substance use, sexual health, and physical health issues (Anda et al., 2006).

Given the risk of complex trauma and toxic stress among these children, it is critical that medical providers develop a comprehensive, trauma-informed approach for identifying and addressing their developmental, behavioral, and mental health needs. The American Academy of Pediatrics (AAP) recommends that all children and adolescents entering the foster care system undergo a comprehensive evaluation that includes mental health and developmental assessments within 30 days of placement. The AAP also recommends that any child with a chronic medical problem, significant developmental delays, mental or behavioral health problems be evaluated within 24 hours of entry into foster care (Counsel on Foster Care et al., 2015; Szilagyi et al., 2015).

Developmental Delays in Children in Foster Care

Prevalence & Screening

Children in foster care are twice as likely to have learning disabilities, developmental delays, and speech problems compared to their peers not in foster care (Turney & Wildeman, 2016). A recent meta-analysis found that 39% of children less than 7 years of age in foster or kinship care have a developmental delay, with cognitive problems occurring in 23% and motor delays occurring in 16% (Vasileva & Petermann, 2016). Research has also shown that there is higher prevalence of foster care involvement for children with Autism Spectrum Disorder when compared with children with other intellectual disabilities or typically developing children (Cidav, Xie, & Mandell, 2017). These findings underscore the importance of comprehensive developmental assessment for children entering the foster care system to ensure both recognition of delays as well as appropriate referrals for developmental services. Multiple validated screening tools exist to screen for developmental delay in children. For example, standardized screening with the Ages and Stages Questionnaire was shown to increase detection of...
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Developmental delay in children in foster care (Jee et al., 2010).

Barriers to Developmental Screening and Services

Despite both evidence that children in foster care are at high risk for developmental delays and the AAP recommendation for timely developmental assessment, there is both under-recognition of developmental delays and under-utilization of developmental services, especially for younger children (Zimmer & Panko, 2006). Barriers to recognition include lack of use of standardized assessment tools, lack of comprehensive assessment on entry into foster care, and lack of prioritization of developmental assessment (Leslie et al., 2005). Once needs are identified, there are obstacles to linkage with services. While federal legislation states that children under 36 months of age with substantiated cases of child abuse or neglect are automatically eligible for Early Intervention evaluation, this is not true for older children (Child Welfare Information Gateway, 2013). Other barriers to services include difficulty accessing services, lack of effective services, foster care placement instability, and issues with obtaining consent (Leslie et al., 2005; Molin & Palmer, 2005).

School System and Foster Care

The educational experience for many children in foster care is characterized by high rates of absenteeism, school changes, suspensions, dropouts, and below-average academic performance (Trout, Hagaman, Casey, Reid, & Epstein, 2008). Placement stability affects absenteeism such that youth with unstable placement were 37% more likely to be absent from school than those who achieved early placement stability (Zorc et al., 2013). Interestingly, children who reunified with caregivers also demonstrated higher rates of absenteeism (Zorc et al., 2013). Federal law now mandates that child welfare and educational agencies collaborate to maintain children in their school of origin if that school is in the child’s best interest in order to minimize school disruption (U.S. Department of Education & U.S. Department of Health and Human Services, 2016).

Behavioral and Mental Health Conditions for Children in Foster Care

Prevalence & Screening

Children in foster care are disproportionately burdened by mental and behavioral health concerns (Turney & Wildeman, 2016). The most common concerns are oppositional defiant disorder, conduct disorder, reactive attachment disorder, adjustment disorders, and mood disorders (Steele & Buchi, 2008). Children in placement are three times as likely to have attention deficit disorder or attention hyperactive deficit disorder, five times as likely to have anxiety, six times as likely to have behavioral problems, and seven times as likely to have depression compared to children not in foster care (Turney & Wildeman, 2016). Adolescents in placement are four times more likely to have a history of suicide attempts and are more likely to have substance use disorders (Pilowsky & Wu, 2006). Approximately 61% of youths in the foster care system have had at least one psychiatric diagnosis during their lifetime, a majority of which had onset of the disorder prior to entering foster care (McMillen et al., 2005).

The mental health needs of these children can also be quantified through the lens of healthcare cost and resource utilization. Approximately 1 in 7 children entering foster care receive a psychotropic medication (Steele & Buchi, 2008). Additional studies have shown the disproportionately high cost of mental health service utilization for children in foster care, including increased mental health claims, mental health hospitalizations, and outpatient behavioral health services compared to peers not in care (Becker, Jordan, & Larsen, 2006; Harman, Childs, & Kelleher, 2000).

The AAP recommends comprehensive assessments for all children upon entry into foster care, including mental health evaluation. Multiple validated screening tools exist specifically for mental health and trauma, such as the Pediatric Symptom Checklist-17, UCLA PTSD Reaction Index, and the Child PTSD Symptom Scale (Murphy et al., 2016; Strand, Sarmiento, & Pasquale, 2005). Healthcare providers can also assess for symptoms of trauma on review of systems including sleep problems, changes in eating habits related to prior food insecurity, and issues with toileting (Forkey & Szilagyi, 2014).

Foster Care Placement Instability and Behavioral Health

There is a complex and cyclical association between foster care placement instability and behavioral health problems. Behavioral problems have been shown to predict
placement changes and placement instability has been associated with increased risk of behavioral and mental health problems (Aarons et al., 2010; Rubin, O’Reilly, Luan, & Localio, 2007). Sudden placement moves and multiple placements are associated with increased risk of mental health disorders (Hillen & Gafson, 2015). Additionally, multiple placements and episodic foster care placement are associated with increased risk of being a high mental health service user (Rubin et al., 2004).

**Barriers to Behavioral and Mental Health Care**

Despite a high need for mental health treatment, access to such services is limited, with young children having the least access (Aarons et al., 2010; Burns et al., 2004; Horwitz et al., 2012; Horwitz, Owens, & Simms, 2000; Leslie, Hurlburt, Landsverk, Barth, & Slymen, 2004; Pecora et al., 2005; Rosenkranz, 2006; Rubin et al., 2004). Among children with child welfare involvement, approximately three-quarters of children with concern for mental health needs had not been linked to mental health services (Burns et al., 2004). A multitude of barriers contribute to this finding, including limited access to trauma-informed mental health providers, difficulty obtaining consent for treatment, lack of identification of behavioral and mental health disorders, and limitations of use of the foster parent as a therapeutic agent (Burns et al., 2004; Leslie et al., 2005; Molin & Palmer, 2005).

**Trauma-Informed Care**

A critical aspect of addressing the mental and behavioral health needs of children in foster care is ensuring that care is provided in a trauma-informed environment, both in their foster care placement and in their medical home. Healthcare providers should be adept at providing care with a trauma-informed approach. This includes evaluating prior and current diagnoses and symptoms within the context of the child’s trauma history. Providers should also counsel caregivers on the role of prior trauma and current behaviors and about positive parenting strategies to help the child heal. When needed, providers should make referrals to appropriate trauma-informed therapy. Evidence-based therapies that have been successfully utilized with foster families include Parent Child Psychotherapy and Trauma-Focused Cognitive Therapy (Forkey & Szilagyi, 2014).

Foster caregivers play an essential role in creating a trauma-informed environment for children in their care, and research suggests that the quality of the relationship between the foster caregiver and the child impacts the child’s behavioral health. Children with higher quality interactions with foster mother and higher commitment from foster mother (as exemplified by kinship care) had less externalizing and internalizing symptoms as well as higher levels of adjustment (Dubois-Comtois et al., 2015). Recent studies have shown positive outcomes with parenting programs for foster caregivers, including reduction in child behavior problems and caregiver tolerance of disruptive behavior (Bywater et al., 2011; Sullivan, Murray, & Ake, 2016). The following evidence-based parenting programs and therapies have demonstrated positive outcomes with foster families: Parent-Child Interactive Therapy, Keeping Foster and Kin Parents Supported and Trained, and Incredible Years (Buchanan, Chamberlain, Price, & Sprengelmeyer, 2013; Bywater et al., 2011; Forkey & Szilagyi, 2014; Price et al., 2008). There is evidence that wraparound services and relational interventions have shown effectiveness in reducing children’s difficult behavior as well (Kinsey & Schlosser, 2013).

**Future Research and Recommendations**

Though substantial efforts have been made to investigate the developmental, behavioral, and mental health needs of children in foster care, significant challenges exist in meeting their needs. Future research and policies could establish clear and specific guidelines for screening for developmental and behavioral health problems.

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References, cont.


