





### **Why Trauma Matters**

Most U.S. schools remain closed in an attempt to limit the spread of COVID-19,¹ causing districts to ask how the pandemic will affect students socially, emotionally, and academically. The literature on childhood trauma can offer useful insights to districts, because, as a public health crisis, COVID-19 itself represents a distressing incident.² Such research also holds relevance, however, because how students react to COVID-19 will depend on whether they previously have experienced—or currently are experiencing—other types of trauma, in the form of either short-term acute traumatic events or long-term chronic traumatic situations.³ In fact, with evidence suggesting that as many as two-thirds of children have suffered at least one traumatic event by age 16⁴ and more than half of families have lived through a disaster,⁵ examining the potential effects of COVID-19 through the lens of childhood trauma seems essential.

#### Types of Childhood Trauma

ACUTE TRAUMATIC EVENTS	Chronic Traumatic Situations
DEFINITION	DEFINITION
Short-lived trauma that occurs at a particular time and place	Trauma that occurs repeatedly and/or over long periods of time
EXAMPLES	EXAMPLES
Community violence, natural disasters, painful medical procedures, physical assaults, school shootings, serious accidents, sexual assaults, sudden losses of loved ones, and terrorist attacks	Abandonment, bullying, domestic violence, emotional abuse, financial insecurity, homelessness, neglect, physical abuse, serious illness, sexual abuse, and war or other forms of political violence

Sources: Multiple<sup>6</sup>

Importantly, the literature provides findings pertaining to the effects of trauma more generally and does not address COVID-19 specifically—a logical caveat given the unprecedented and ongoing nature of the pandemic. Efforts to understand COVID-19's impact remain further complicated by continued uncertainty regarding the pandemic's severity and duration, with the crisis resembling an acute traumatic event initially and perhaps evolving into a chronic traumatic situation (especially for families who encounter financial insecurity and/or homelessness due to unemployment).

### **How Trauma Impacts Students**

### **Confounding Factors**

Research notes the social-emotional and academic effects most commonly associated with childhood trauma. Yet, individual students may experience trauma differently. The same distressing event may impact two students in seemingly disparate ways based on a set of confounding factors that protect some individuals when confronted by trauma while placing others at greater risk of harm. Such confounding factors include a complex combination of individual, familial, community, and cultural variables. At the individual level, the age at which students face trauma influences their response, as does their temperament (e.g., coping skills, resilience), prior history of trauma, and any preexisting intellectual or developmental disabilities. The National Child Traumatic Stress Network, for example, offers resources to assist educators in understanding how trauma impacts elementary, middle, and high school students. With respect to other variables, familial factors, such as financial (in)security, housing (in)security, (un)healthy relationships, and exposure to domestic violence and other forms of abuse, as well as access to community supports and services also shape students' responses to trauma.

#### Social-Emotional Effects

Trauma adversely affects students' capacity to regulate emotions and control behaviors and inhibits relationships with both teachers and peers. Students may become hypervigilant, perceiving any







event that reminds them of a traumatic incident as threatening and then opting for an excessive response. 10 For example, students may misinterpret others' comments and actions as hostile and then react in a verbally- and/or physically-aggressive manner. Students also may not comply with teachers, either engaging in actively-defiant behavior to gain control or "passively and perhaps less consciously 'freezing.'" 11 Students may withdraw more generally, mentally dissociating from the classroom as a coping mechanism. Yet, trauma may cause some students to seek control over situations by developing perfectionist tendencies and setting unreasonable expectations for both themselves and their work. 12 Regarding relationships, trauma may make students more reluctant to engage with

### Social-Emotional Effects of Childhood Trauma

Reactivity and Impulsivity	Aggression
Defiance	Withdrawal
Perfectionism	Strained Relationships

Source: Cole et al.

others. Students who feel unsafe at school, for example, may become distrustful of—and even confrontational toward—teachers. Students also may become less inclined to initiate and then struggle to cultivate friendships with peers. As to how these students fare in terms of behavioral outcomes at school, trauma tends to correlate with increased likelihood of absenteeism, behavioral problems, suspensions, and expulsions. States of the suspensions of

#### **Academic Effects**

Trauma typically contributes to poor academic outcomes as well. In addition to achieving at lower levels, affected students become more likely to encounter learning difficulties, need added supports and interventions (including special education placements), experience grade retention, and drop out. The precise mechanism(s) through which trauma influences academic outcomes remains unclear. Some research suggests that trauma impacts brain development, with the specific regions and skills affected dependent on the age(s) at which a distressing event or situation occurs. Other research indicates that trauma erodes academic outcomes by inhibiting students' capacity to regulate their emotions and behavior as outlined above. However, such explanations do not prove mutually exclusive, given the relationship between neurodevelopment and emotional functioning (e.g., the amygdala supports processing of social and emotional cues).

#### **Academic Effects of Childhood Trauma**

#### Language Skills Organizational Skills Causal Reasoning Skills If hypervigilant, students may become unable to pay attention to Students' limited exploration of and process new information. If subjected to an uncertain, Further, students may develop a the world (due to their own fear unpredictable environment, distorted sense of the purpose of and/or others' restrictions) may students may find organizing hinder their understanding of communication, perceiving material difficult, especially when language as means of accomplishing cause-effect relationships and attempting to order content tasks instead of a mechanism for their ability to empathize with sequentially. sharing thoughts and feelings. others. Students also may lack exposure to more complex use of language. **Emotional Skills** Executive Skills Attention Skills Students' anxiety and Students may lack the capacity to Students may develop low selfpreoccupation with safety may understand and express the range cause them to focus on others' esteem and patterns of negative of emotions they feel, leading attitudes and behavior, thus thinking that impede efforts to them to dissociate or overreact. compromising their ability to set goals, develop plans, and Both forms of response disrupt concentrate on learning. Memory implement action steps. their learning. skills also appear compromised. Sources: Multiple 19







### Spotlight: Lessons from Disasters

Research on disasters, the types of traumatic events most likely to result in school closures, may shed light on COVID-19's potential social, emotional, and academic effects on students. In a 2015 literature review, Pfefferbaum, Jacobs, Houston, and Griffin examined how familial and community factors influenced children's reactions to disasters, such as hurricanes, tsunamis, earthquakes, and terrorist incidents.<sup>20</sup> The authors found that low socioeconomic status, high parental stress levels, poor parental coping skills, intense media exposure, and secondary adversities—including "property damage," "dislocation and relocation," "disruption of services" (e.g., food, shelter, transportation), and "economic loss" - correlated with greater emotional distress among children. 21 In contrast, social supports, provided by families, peers, schools, and/or other community resources, seemed to offer some protection.<sup>22</sup> Research on the impact of Hurricane Katrina, in particular, consistently finds evidence of harmful social-emotional effects on children, including greater susceptibility to serious emotional disturbances and diagnoses of depression, anxiety, or behavioral disorders. Studies of the academic effects, however, draw differing conclusions. 23 On the other hand, findings from a 2019 study by Gibbs et al. of elementary school students who experienced a 2009 Australian bushfire imply that a disaster may erode academic achievement across multiple years. The study analyzed students' test scores from Grade 1 (the year of the bushfire), Grade 3, and Grade 5. When comparing results for Grades 3 and 5, the authors determined that students attending the most affected schools recorded significantly less improvement in reading and numeracy. 24 Thus, the bushfire continued to impact students academically four years later.

### How Districts Mitigate the Effects of Trauma

As districts consider how to support students in the midst of a traumatic event such as COVID-19, Maslow's hierarchy of needs may provide a useful starting point. According to Maslow, individuals prioritize meeting basic needs—such as obtaining food, clothing, and shelter and ensuring safety and security—first. Notably, Maslow's conceptualization of security extends beyond *physical* protection to encompass aspects of social, emotional, and financial stability as well. Having met fundamental needs, individuals then seek emotional and psychological fulfillment by forming relationships, earning others' respect, and building self-esteem. Individuals who reach the pinnacle of personal growth, self-actualization, realize their full potential and live with purpose and meaning. <sup>26</sup>



Source: Block

## Guiding Principles of Trauma-Informed Practices



Create predictable routines.



Build strong & supportive relationships.



Empower students' agency.



Support the development of self-regulation skills.



Provide opportunities to explore individual & community identities.

Source: Transforming Education

Given that traumatic events often erode students' sense of well-being in multiple key respects, frameworks intended to guide trauma-informed practices in districts understandably build upon Maslow's hierarchy. 27 Predictable routines, for example, create stability, helping students feel safe. Strong, supportive relationships not only offer concerned students an added layer of protection, but also tend to their emotional and psychological needs. Successful implementation of a trauma-informed approach requires a comprehensive set of strategies and the involvement of stakeholders across the school community. Trauma-informed schools typically realize "the widespread impact of trauma and pathways to recovery," recognize the signs and symptoms of trauma, respond "by integrating knowledge [of] trauma into all facets







of the system," and <u>resist</u> "re-traumatization" by minimizing "unnecessary triggers." <sup>28</sup> The following figure outlines the areas that trauma-informed schools typically prioritize. However, please refer to the frameworks developed by the <u>National Child Traumatic Stress Network</u> and the <u>Wisconsin Department of Public Instruction</u> for more detailed descriptions of individual features. Because such approaches generally evolved to support students in the school setting, however, districts may need to adapt certain strategies and/or incorporate new techniques to suit the distance learning necessitated by COVID-19.

#### Strategies for Trauma-Informed Schools

Raising Awareness	Foster an understanding of childhood trauma, including the causes, symptoms, and potential effects on social-emotional and academic outcomes.
ldentifying Needs	Create mechanisms for identifying students currently experiencing, or at risk of experiencing, trauma. Learn, if possible, the histories of any past traumas students and families suffered. Determine appropriate supports.
Ensuring Safety	Ensure all students feel physically, socially, and emotionally safe. Create calming, welcoming learning environments. Avoid stimuli (e.g., lights, colors, sounds) that trigger students. Provide reassurances. Use de-escalation techniques.
Creating Consistency	Establish a sense of constancy and predictability by creating schedules and routines and communicating clear sets of rules and expectations.
Building Relationships	Foster positive, healthy relationships among students, as well as between students and teachers. Create connections and establish trust. Check in regularly.
Teaching Self-Regulation	Cultivate skills that enable students to avoid becoming hypervigilant in stressful situations (i.e., preventing a fight, flight, or freeze response). Build resilience.
Engaging Families	Help families assist students at home with effective stress management strategies. Encourage families to seek additional supports as needed, understanding that parents also may exhibit signs of trauma. Respect cultural differences.
Forming Partnerships	Collaborate with community-based organizations and providers to connect students and families with necessary services and supports.

Sources: Multiple<sup>29</sup>

In recent weeks, key organizations focused on children's mental health and social-emotional well-being created various resources to support students during COVID-19-related school closures. The content reflects best practices learned while addressing the effects of other forms of childhood trauma. For example, during the crisis, the <u>National Child Traumatic Stress Network</u> advises adults to:<sup>30</sup>

- Limit children's media exposure
- Correct inaccurate information
- Start a conversation with children
- Encourage children to ask questions, then answer directly
- Provide reassurance
- Re-establish a routine
- Validate children's emotions

- Understand common responses to stress
- Help children self-regulate
- Help children stay connected
- Acknowledge missed milestones (e.g., graduation)
- Be a positive role model
- Practice self-care
- Seek extra supports and services







#### Additional Resources

Child Mind Institute: Supporting Kids During the Coronavirus Crisis

Child Mind Institute: Supporting Teenagers and Young Adults During the Coronavirus Crisis

Child Trends: Resources for Supporting Children's Emotional Well-being During the COVID-19 Pandemic

NASP: Helping Children Cope with Changes Resulting From COVID-19

Teaching Tolerance: A Trauma-Informed Approach to Teaching Through Coronavirus

Turnaround for Children: Coronavirus (COVID-19) Pandemic Resources

### **Discussion Guide for District Leaders**

- How can your district most effectively identify signs of trauma among students and families while schools remain closed?
- How can your district learn from students and families which supports and services they need?
- How can your district collaborate with community partners to support students and families?
- How might your district need to adapt trauma-informed practices to accommodate virtual learning and social distancing?
- Which forms of additional training and resources might your staff need to support students and families? Which resources might families need to support their children?
- Thinking ahead to when schools reopen, which steps can your district take to further mitigate the social-emotional and academic effects of COVID-19?





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# LEARNING LOSS THROUGH TRAUMATIC EVENTS



### **Endnotes**

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