



Executive Su	mmary The Commission's Recommendation	6
Section 1.	The Journey: "Our Children Live Crisis-Filled Lives" Listening to Families and Community Members Seizing Opportunities The Collective Wisdom 1. Childhood Adversity Clouds the Future of Many Young Californians 2. It is Never Too Early to Intervene 3. Common Barriers Block Efforts to Support Healthy Development 4. Trust Needs to be Built with Families 5. Educators Need Support 6. Siloed Services Need to be Connected	13 14 14 19 19 19 19
Section 2.	The Imperative of Prevention and Early Intervention Mental Health Needs are Common The Early Years and Social Conditions Are Determinants Trauma and Toxic Stress Impact Mental Health Proactive Efforts Can Improve Outcomes MHSA Requires Prevention and Early Intervention Investments But a Systems Approach is Lacking	2 2 2 2 2 2
Section 3.	Schools as Centers for Wellness California Students Have Disparate Experiences and Outcomes Addressing Mental Health Can Enhance Learning and Wellness Advancing Tier 1: Universal Prevention A Positive School Climate is Essential Social and Emotional Skills are Among the New Basics Educator Wellness is Integral to Student Wellness MHSA Funds are Supporting Prevention and Early Intervention in Schools	2 3 3 3 3 3 3
Section 4.	Strong School-based Collaborations are Emerging Key Elements of Mental Health Collaboratives Lessons Learned: Patience and Persistence are Essential	3 3 4
Section 5.	The Importance of Youth Engagement and Leadership	4
Section 6.	The Commission's Portfolio and Role in Transforming Schools into Centers of Wellness and Healing SB 82/SB 833 Triage Grant Program Mental Health Student Services Act (MHSSA) Partnership with the California Department of Education Youth Innovation Project Suicide Prevention The Prevention and Early Intervention Project Supporting Transformational Change	4 4 4 5 5 5
Section 7.	Principles for Advancing Student Mental Health	5
Section 8.	The State's Role in Transforming Schools into Centers for Wellness and Healing The Commission's Recommendation Concluding Thoughts	5 6 6
Appendix A:	Examples of Early Childhood MHSA Programs	6
Appendix B:	School Mental Health and Wellness Models	6
References		6

#### **EXECUTIVE SUMMARY**

The wellbeing of California's children is vital to the future of the state.

Yet across California's schools and communities, a sobering crisis burdens the young. Trauma and toxic stress are negatively impacting students. Bullying and cyberbullying are common. Depression, anxiety, and suicidal behavior are on the rise.¹ Approximately 1 in 3 high school students report feeling chronically sad and hopeless, and 1 in 6 report have considered suicide in the past year.²

This unfolding tragedy warrants the attention of all Californians.

The Mental Health Services Oversight and Accountability Commission over the past three years has engaged parents, youth, teachers, providers and community members to understand the mental health needs of students, and efforts by schools and communities to address this crisis.



The Commission was inspired by the tireless efforts of professionals and community members who recognize the needs of the "whole child" and realize that mental, social, and emotional health are integral to school success. And the Commission found momentum, reason for hope and a clear path forward.

Schools must become centers of wellness and healing. To accomplish this, education and mental health systems must come together and prioritize prevention and early intervention. All families and youth need to be engaged and have ownership. And the State must work with local agencies to develop sustainable funding and enduring collaborative leadership.

To advance this vision, the Commission has developed key principles to inform and align the actions of everyone working to develop healthy children, and a specific recommendation for how the State can invest in a coherent and durable strategy for school mental health.

A child's wellbeing encompasses the whole child, including their safety, physical health, behavior, social and emotional development, cognitive development, and educational achievement. And while children's wellbeing has always been important to a society's future, an aging population, declining fertility, and fewer immigrants, create the moral imperative that each child achieve their potential as future parents, community members, workers, and taxpayers.<sup>3</sup>

Many children, however, have a difficult start. Mental health needs are the most common and disabling medical conditions impacting children and youth.

Approximately 1 out of 5 youth in the U.S. have a mental health need.<sup>4</sup> Yet, the vast majority will not receive the services and supports they need.<sup>5</sup>

Mental health needs can begin long before children enter school.<sup>3</sup> Early exposure to trauma and chronic stress derails healthy development, and without proper intervention can lead to lifelong learning and mental health struggles.<sup>4</sup>

These unmet mental health needs are a major barrier to learning for many of California's 6.2 million K-12 students. Those students are more likely to disengage from learning and school activities, miss school days, act-out in the classroom, and receive punitive discipline.<sup>5,6,7,8</sup>

Having a mental health need is strongly associated with dropping out of school; less than half of students diagnosed with an emotional or behavioral health need graduate from high school or attend college. These youth are more likely to become homeless, unemployed, and involved in the criminal justice system. 10,11,12

These considerations elevate the importance of schools as a prime venue for promoting healthy development. Schools are central to the lives of children – not just their education, but their lives – and central to promoting wellness, and accurately identifying and quickly responding to emerging mental health needs.

# "A child's wellbeing encompasses the whole child...their safety, physical health, behavior, social and emotional development, cognitive development, and educational achievement."

Schools also are the bedrock of the community and the place where children spend most of their time outside of their homes. In fact, state law requires children ages 5 to 18 to be in school. And families look to educators to be role models for their children and provide nurturing care, guidance and support.<sup>13</sup> But teachers and other school staff can only do so in the context of family trust, strong partnerships and adequate training and support.

When health systems and schools collaborate, schools can become centers of wellness and healing, and assessments and mental health services can occur on school campuses. Schools will also become safe spaces where children can thrive and reach their full potential, a vision that youth and families strongly urged the Commission to support.

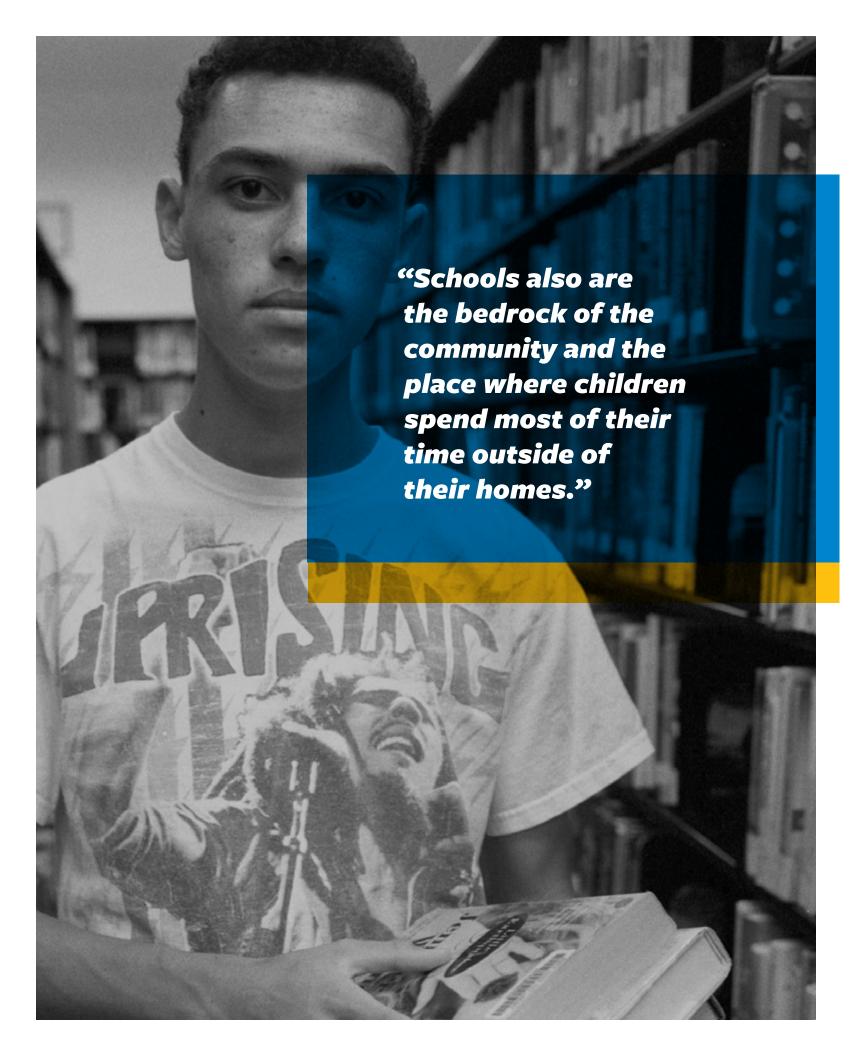
Collaboration among schools, health systems, and social service agencies is essential to developing proactive, trauma-informed and strength-based systems. Schoolhealth system collaborations can provide a continuum of responses, including universal prevention for all students (e.g., school climate, social and emotional learning, mental health literacy), early intervention for those at risk, and intensive services for students with mental health needs. Strong collaborations also connect with entire families to support the healthy development of younger siblings even before they enter school.

School mental health and wellness services are associated with improved academic performance, increased school engagement, reduction in disciplinary measures, decreased need for special education, and increased graduation rates.<sup>15,16</sup>

The Governor and the Legislature have incentivized stronger partnerships between local education agencies and county behavioral health departments.<sup>17</sup> Trainings and workshops on student mental health and wellness are widespread, and thousands gather for annual state conferences to learn and share information.<sup>18,19</sup> At the local level, schools and community partners have created integrative solutions to local challenges.

These impressive efforts should be focused on a common, overarching goal – to promote the wellbeing and success of every child, regardless of where they start.

This goal prioritizes the imperative to reduce disparities and to explicitly address the implicit bias in institutions, policies and practices that have limited the potential of some Californians generation upon generation. Guiding principles enable a coherent approach to promoting child development and wellness.



#### GUIDING PRINCIPLE 1: SCHOOLS SHOULD BE CENTERS OF WELLNESS AND HEALING

- Schools, youth, families, and health systems are jointly involved in the promotion of student wellness.
- Students feel safe, valued, and respected, and have positive, healthy relationships with adults and students.
- The wellbeing of educators and school staff is prioritized and supported, in addition to training and preparation.

#### GUIDING PRINCIPLE 2. HEALTH AND EDUCATION MUST JOIN TOGETHER

- School-health system collaborations are essential to support student and family wellness.
- School and county/community mental health services are integrated into a comprehensive and seamless, continuum of care that is easily accessible to students and families.
- School district and onsite school mental health personnel are essential to coordinating schoolcommunity partnerships, supporting teachers and staff, and providing services to students and families.

#### GUIDING PRINCIPLE 3. PREVENTION AND EARLY INTERVENTION MUST BE PRIORITIZED

- Healthy mental, emotional, and behavioral development in early childhood is foundational for school readiness and success.
- Poverty, trauma, and other social determinants of health undermine healthy child and family development.
- Mental health prevention and early intervention efforts build family resilience, promote healing, and reduce the prevalence and severity of mental health needs in society.

#### GUIDING PRINCIPLE 4. ALL YOUTH AND FAMILIES MUST BE ENGAGED AND HAVE OWNERSHIP

- Schools engage and communicate with families, build and strengthen trust, and provide access to resources to strengthen family wellbeing.
- Youth and families have leadership roles at all levels of decision-making and service delivery.
- Responsive and respectful services promote equity and reduce disparities, support best practice models and community-defined strategies, and are rooted in cultural, linguistic, and LGBTQ competence.

### GUIDING PRINCIPLE 5. SUSTAINABLE FUNDING, CONTINUITY AND COLLABORATIVE LEADERSHIP IS CRITICAL TO MAKING SCHOOLS CENTERS OF WELLNESS AND HEALING

- State leaders are responsible for aligning policies, funding, training and technical assistance to local communities and schools in developing sustainably funded, comprehensive school mental health services.
- Community leaders are responsible for identifying local needs, coordinating community strategic planning processes, and aligning resources, funding, and quality improvement efforts to ensure sustainability.
- Data collection and evaluation and clear systemwide metrics are required for effective planning, decisionmaking, service delivery, communication, and quality improvement efforts.

In Chapter VII, the Commission identifies next steps that can be taken at the community and state levels. These actions are based in science and support the whole child to build wellness, resilience, and school success. All Californians can contribute to their advancement—lawmakers, educators, mental health providers, youth, parents, and concerned citizens.

# "The State should make a significant investment to establish schools as centers for wellness and healing."

#### THE COMMISSION'S RECOMMENDATION

The State should make a significant investment to establish schools as centers for wellness and healing. This foundational investment will require a multi-year commitment to developing the model programs, the data and management systems and the workforce. It will require allocating more funding for services and developing a sustainable funding strategy that links and leverages related funding and existing services. This foundational investment should be engineered to meet the following criteria:

- Sustainability. The mental health needs of schoolchildren cannot effectively be met with time-limited grants provided only when state revenue exceeds the previous year's budget. The evidence is overwhelming that mental health is as essential as and integral to education itself. One-time funds can be used as start-up funds, to develop service systems, engineer ways to better tap into and align existing funds, including federal Medicaid funds, and develop proposals for ongoing funds.
- 2. Impact. Communities should be provided with expert assistance in designing well-functioning partnerships. The assistance should help local agencies develop effective school mental health systems and coordinating state actions to align funding and provide regulatory clarity.
- **3. Adaptive.** Partnerships should be developed and supported to adapt, replicate and scale proven practices, as well as to evaluate and incorporate new scientific knowledge and experiential insights.

#### THE STATE'S FOUNDATIONAL INVESTMENT SHOULD BE STRUCTURED TO MEET THE DESIGN CRITERIA.

State, local education agencies and counties should align existing funds. One-time funds could be structured to be spent over multiple years to leverage other funds and produce the sustainable system of services. The elements include:

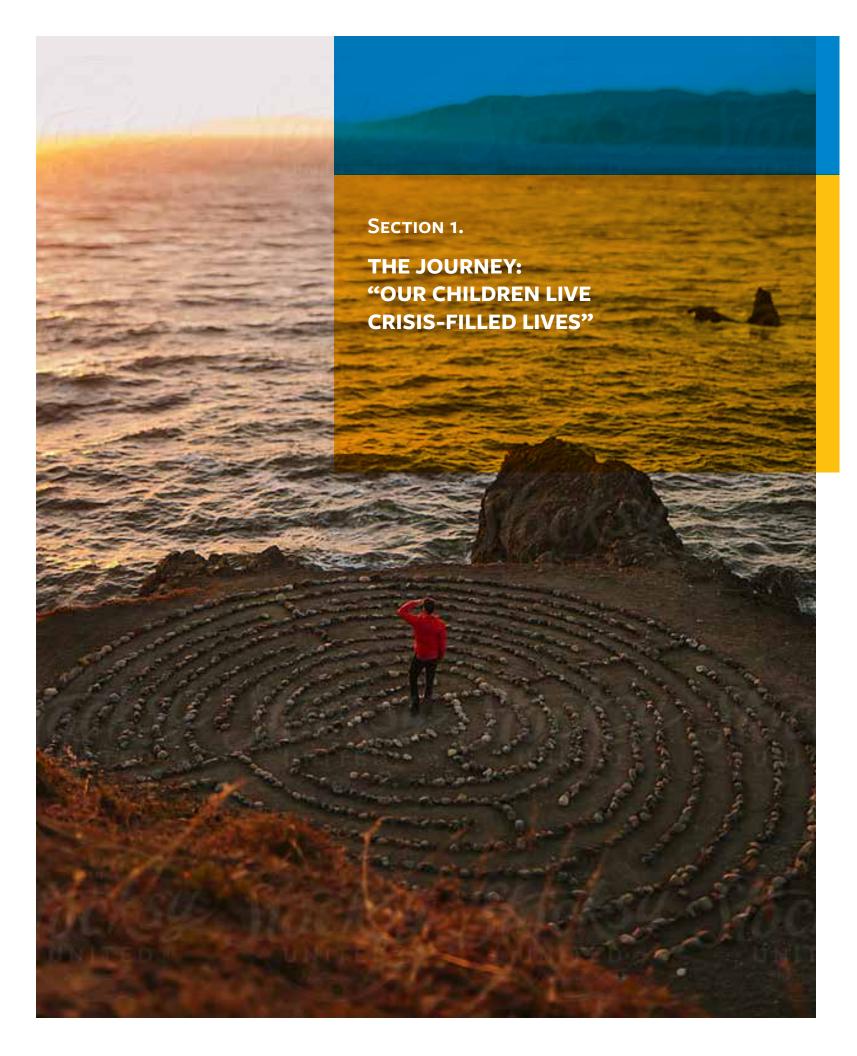
- **4. Model / program development.** Successful models have common attributes based on research, experience and evaluation. The governance, management and programs are adapted to the needs, characteristics and cultures of communities. The significant diversity in communities and capacities requires a comprehensive effort to help all communities apply what is already known and develop the capacities required for effective services. The K-12 System of Support should be expanded and funded to provide this technical expertise to schools.
- 5. Data and management. Effective data and management systems are needed at both the community and the state level to provide quality services and to align policies and funding to enable communities to be efficient and effective. The K-12 System of Support should facilitate the local capacity for data and cross-system management with education and mental health systems, and facilitate ongoing policy evaluation at the state level.
- **6. Workforce.** The Budget Act of 2019-20 allocated to the Office of Statewide Health Planning more than \$100 million in General Fund and funding from the MHSA Workforce Education and Training Program. OSHPD should be directed to work with county behavioral health and the K-12 System of Support to identify specific school-based workforce needs and allocate funding to students and educational providers.

"When prevention becomes a top priority in children's mental health, the return on this investment will be realized."

- 7. Funding. The State needs to expeditiously spend available funds to initiate this effort and develop a sustainable funding system that will allow services to be provided in good and bad economic periods. The Governor and the Legislature should make a multi-year funding commitment for services, while also investing in system capacity and system sustainability. Among the considerations:
- Structure one-time funds to ramp up spending and then be reduced as ongoing funds are
  incorporated or created. Communities often are required to ramp up spending before
  they have developed programs, hired staff and developed management systems. Grant
  funds often run out when the programs are beginning to show impact. Spending should be
  coordinated and paced with capacity building activities.
- The State and K-12 System of Support should work together to develop and test options for braiding existing funds – including MHSA funds, additional Medicaid funding, and First Funds for younger siblings of children being served through schools. The State and communities must share the objective of achieving financial sustainability and pursue opportunities to create more flexibility from existing funds or to develop new funding sources.

This approach has strong potential to make the best use of available federal, state and community resources to respond early and effectively to children's mental health needs.

Taking action now will meet an urgent need and help today's children. Taking action now also will benefit tomorrow's parents and children. When prevention becomes a top priority in children's mental health, the return on this investment will be realized.



he Mental Health Services Act (MHSA), through its Prevention and Early Intervention (PEI) component, promotes strategies to reduce the negative outcomes that may result from untreated mental health needs—suicide, unemployment, incarceration, homelessness, school failure or dropout, removal of children from their homes, and prolonged suffering. The Act also calls for the Commission to support the positive educational outcomes that can result from tailored mental health interventions.

In response to this charge, the Commission embarked on the Schools and Mental Health Project with the recognition that mental wellness is necessary for children to succeed in school. The project is directed by a subcommittee chaired by Commissioner and Sacramento County Schools Superintendent Dave Gordon. Through this project, the Commission set out to promote student wellness, encourage early identification, and support access to a continuum of school-based mental health services and supports.

The project began with a subcommittee meeting in December 2016 hosted by the Greater Sacramento Urban League in a neighborhood where approximately 28 percent of residents live in poverty and more than 50 percent speak a language other than English at home. The Commission chose this location to better understand the challenges of raising and educating children in communities struggling with poverty, unemployment, and other societal problems. A diverse group of parents and educators came together to discuss children's mental health and how schools can better support wellness and school success in their neighborhood. Participants emphasized the importance of engaging families and supporting students, especially in low-income, diverse communities - through education and empowerment, destigmatizing mental health, building family-school partnerships, and providing family advocates to assist families in need. Stakeholders specifically spoke to the "vulnerability of children of color" and poor mental health outcomes as a result of school disciplinary practices, cultural insensitivity and a host of environmental factors that place these children at risk.

On the same day, the Commission visited a neighborhood elementary school that was responding to the mental health needs of young students with a dedicated school social worker and a school climate initiative. Many of the students were exposed to poverty, housing and food instability, neighborhood and family violence. They often arrived at school unable or unprepared to learn. Laura Lystrup, an educator and executive director of a Special Education Local Plan Area (SELPA), observed that an increasing number of children in her district were struggling and appear to have been exposed to trauma. "Our children live crisis-filled lives," she said.

Faced with significant adversity, children may disengage or act out in the classroom. However, Lystrup noted, children who are academically on target do not qualify for state-funded Educationally Related Mental Health Services (ERMHS). Therefore, schools are less likely to intervene.

Following that first meeting and school visit, the Commission conducted extensive outreach through public hearings, meetings, site visits, and focus groups (Appendix A inventories these activities). The Commission made a concerted effort to reach as many constituents as possible and deliberately sought different perspectives to understand how school settings can be better used to meet the mental health and wellness needs of children, youth and families.

"An increasing number of children... were struggling and appear to have been exposed to trauma."



#### LISTENING TO FAMILIES AND COMMUNITY MEMBERS

The Commission talked to youth, educators, school administrators, school and community mental health providers, cultural brokers, and community leaders. The engagement strategy was designed to connect to the racial-ethnic diversity of California's K-12 students. Thus, the Commission hosted several parent meetings in Spanish. Two of these meetings were near California's southern border and were facilitated by Commissioner and Subcommittee Member Mara Madrigal-Weiss to understand the unique challenges of families living in immigrant communities.

The Commission concentrated attention on student groups that were more likely to have poor educational outcomes. Community forums and focus groups explored the needs of African American, Asian American, and gender diverse students. Commission staff also worked closely with cultural brokers in the Native American community, who generously shared the results of their engagement with Native families regarding children's mental health. This project also tapped the expertise of a diverse group of youth who comprise the Commission's Youth Innovation Project Planning Committee. The committee members represent 12 counties and are developing youth-led solutions to the mental health challenges facing their peers.

#### **SEIZING OPPORTUNITIES**

In the course of this journey, the Commission seized emerging opportunities to advance a school mental health agenda. In 2013, the Legislature enacted SB 82 and entrusted the Commission to administer Triage grants. The Commission allocated the grants to incentivize school-county partnerships to provide a continuum of services and supports on school campuses. More recently, the 2019-20 budget established the Mental Health Student Services Act (MHSSA) to fund partnerships between education and county mental health departments through a competitive grant program. The Commission also partnered with the California Department of Education (CDE) to promote school mental health activities. That partnership is developing a school mental health toolkit and a statewide learning community to encourage its use.

In addition, the Commission's project has been informed by other statewide entities providing leadership in school mental health training, technical assistance and policy. These entities include the California Department of Education's Student Mental Health Policy Workgroup, Breaking Barriers, the California County Superintendents Educational Services Association (CCSESA), the California School-Based Health Alliance (CSBHA), the California PBIS Coalition Network, the Sacramento County Social and Emotional Learning Community of Practice, and Cal-MHSA to name a few. Many others are working on children's mental health policy to bring about systems change and are listed as a resource in Appendix B.

#### THE COLLECTIVE WISDOM

The bedrock for this report is the lived experience of children, youth and families; their teachers, health and mental health providers; and, other practitioners and community leaders seeking to reduce risk and increase resiliency for vulnerable Californians. From their thoughtful insight and candid guidance, six themes emerged:

"It feels like we are putting a Band-Aid on students and not getting to the core issues."

#### 1. Childhood Adversity Clouds the Future of Many Young Californians

Across stakeholder groups, Californians were concerned about the pervasiveness of adversity in their communities, and its impact on child wellbeing and the increased risk of mental health needs. This concern is understandably strongest in communities of color dealing with disproportionate poverty, violence, housing and food instability, and intergenerational and immigration-related trauma, including deprivation or violence during migration or border crossings and the fear of family separation.

Here's how one mother described her experience at an African American Community Forum in February 2019:

"My son had severe trauma and many transitions. An absent father, instability in the home, homeless from ages 1 to 6...moving frequently, house to house, city to city. He would cry a lot. He lacked social skills and did not understand his peers. What calmed him down was one teacher that took the time to understand my son. And she would hug him when he needed it."

The impact on child wellbeing is evident to educators who described being overwhelmed by student behavior in the classroom – including impulsivity and acting out, and their limited ability to effectively respond given the lack of time, resources and support. As one educator said, "It feels like we are putting a Band-Aid on students and not getting to the core issues."





#### 2. It is Never Too Early to Intervene

The Commission frequently heard that the signs and symptoms of mental health needs were evident early in development and expressed by children in different ways, such as acting out, impulsivity, emotional dysregulation ("meltdowns"), or difficulty getting along with peers. However, these behaviors were not always recognized as an expression of an underlying mental health need or appropriately addressed. As Commissioner Gordon noted, too often schools operate under a "fail first paradigm," in which "children must get worse before they can get better."

The education system in California has no mandates or incentives to provide universal mental health/wellness supports to all children through a comprehensive strategy. The default of a "fail first" approach in the school system is referral for special education services. In the mental health system, children can be required to meet "medical necessity" to be eligible for services. In other words, they must exhibit signs and symptoms and meet criteria for a mental health diagnosis to receive help. In each system, mental health service delivery traditionally has been individually focused and deficit-based.

Parents and family members told personal accounts of how their children's mental health needs did not receive enough attention until worsening symptoms led to a crisis. One mother shared her agonizing experience of receiving a call from her 7-year-old son's elementary school telling her that police were taking him to the hospital to be placed on suicide watch. Another mother said her child had been "hauled out" of their house by police in the middle of a violent fit to be taken to the hospital. This mother described the incident as a horribly traumatic experience but also beneficial. "It opened a lot of doors (to services)," she said. "But why did it get to this point before those doors were open?"

Some stories were less dramatic but had serious implications for a child's future success including failing grades, disengagement from school, being suspended or expelled, and eventually dropping out of school – all of which could have been mitigated with access to comprehensive school mental health services.

Stakeholders from different backgrounds and professions all agreed on one aspect – the need for greater prevention and early intervention services, before children enter formal schooling and during their K-12 education.

Stakeholders also were clear that services needed to physically meet children and families where they are, which is more often in schools and communities rather than offices. Community members wanted a greater focus on wellness, rather than diagnosis, through prevention and early intervention efforts.

A mental health professional at a December 2016 subcommittee said children are often diagnosed later than they should be, which delays treatment: "You don't want it to get to that point. You want to help them early."

#### 3. Common Barriers Block Efforts to Support Healthy Development

Stakeholders identified common barriers to promoting student wellness and addressing the signs and symptoms of mental health needs when they first arise, including the following:

The education system's priority focus on learning and academic achievement can overshadow other contributing factors to student success. Although the education system has evolved to address the "whole child" and support social and emotional learning, the focus on academic achievement continues to dominate school policy and resource allocation.

Schools lack on-campus resources, including school mental health personnel to evaluate the needs of students and provide services and supports. Educators find it challenging to recognize and respond appropriately to children's mental health needs, particularly in the absence of support from school mental health personnel.

The complexity of family needs challenge schools and counties to engage families as equal partners to support children's mental health.

Mental health services and supports for children and their families are often poorly organized across systems – education, county behavioral health, child welfare, and juvenile justice.

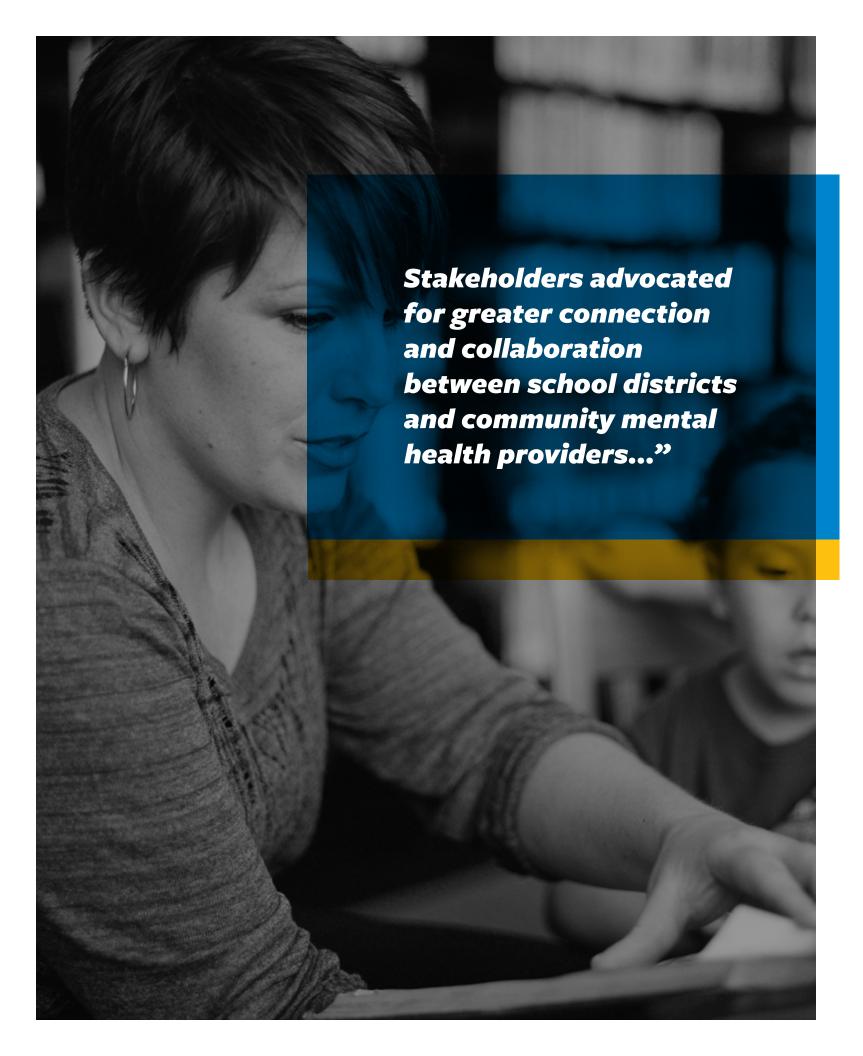
Stigma and shame about mental health needs are pervasive in families and communities.

#### 4. Trust Needs to be Built with Families

Stakeholders emphasized the importance of building trust and working in close partnership with families, especially those from unserved and underserved communities. Focus groups and community forums revealed a disconnection and cultural divide between families and institutions, including education and county behavioral health. At an African American community forum, participants talked about a general fear and distrust of social institutions because of the removal of African American children from their homes by Child Protective Services. This mistrust extended to relationships with educators and school employees, especially if these individuals were not from the communities they served and held implicit biases about those communities.

This disconnection was heightened in communities where programs and services did not match the language, cultural beliefs and practices regarding mental health, especially regarding stigma and shame. For example, during the Asian and Pacific Islander Community forum held in Fresno, a Southeast Asian community provider shared that families in her community will rarely seek clinic-based services and open-up to a stranger. She spent a considerable amount of time getting to know families in their homes and building trust by washing dishes and helping around the house before offering services.

Across racial and ethnic groups, parents wanted greater communication and better, more trusting relationships with their children's schools and teachers. They wanted more information about mental health, parenting, and the availability of services for their children. They also wanted the opportunity to participate in mental health trainings and workshops with teachers so that they were "all on the same page" in rearing and educating their children.



#### 5. Educators Need Support

Educators and school staff are on the frontlines of mental health for children and youth. And yet, they may not receive the training and support to work with children with mental health needs in their classrooms. Participants emphasized the importance of building mental health literacy across school campuses by training all school staff, including bus drivers and food services workers. Communities of color wanted schools to train staff to be trauma-informed and recognize that acting out behavior can stem from exposure to stressful and adverse events that require empathy and support rather than punishment. These communities also wanted to see more training and support for gender and cultural sensitivity, competence, and humility in schools.

Stakeholders also advocated for greater attention to educator wellbeing due to high levels of stress, burnout, and attrition. As one stakeholder said, "If educators are not well, then students are not well."

"These communities...
wanted to see more
training and support
for gender and
cultural sensitivity,
competence, and
humility in schools."

#### 6. Siloed Services Need to be Connected

A parent at a Commission public hearing in January 2017 described the system this way:

"There is definitely a lot of finger pointing of whose job it is...you go to the medical community and (they say) those are supports that the school should be providing. And you go to the school and they say we don't provide those supports, so you just end up with medication, but no one wants to handle the support that goes with that."

Parents and other stakeholders highlighted the disconnections between school and mental health programs, services, systems and professionals – and the negative impact those disconnections have on children and families. Parents and family members feel alone and frustrated when they try to navigate systems with diffused responsibility and little or no communication or coordination across schools and mental health providers. The Commission learned through focus groups with educators and families that a variety of barriers (e.g., parental consent, referrals, transportation, appointment wait times, privacy concerns, etc.) can deter successful linkages.

A school social worker described her efforts to refer an elementary student to community mental health services because of the severity of his condition, only to face an arduous six-month process of getting services to child and family. She felt there was an implicit distrust between the schools and county behavioral health departments, which was augmented by a lack of structure and clear process for client referrals and data sharing that resulted in long delays in children receiving treatment.

Stakeholders advocated for greater connection and collaboration between school districts and community mental health providers to provide a comprehensive array of services in school.

The Commission's inquiry revealed the imperative of building a sustainable, cross-system infrastructure, which prompted the Commission to explore the complexity of leveraging different systems and funding mechanisms to support school readiness and success – and informed the Commission's principles for advancing comprehensive school mental health in California.



ental health needs among children are stunningly common. The science is providing increasing clarity that the early years of life and the social conditions that children grow up in are foundational to their mental wellness. For many young Californians, however, childhood is filled with trauma and toxic stress. Proactive efforts to address and respond to mental health needs can improve outcomes. The MHSA requires investments in prevention and early intervention programs, and several counties target early childhood. But a systems approach to these systemic issues is lacking in most communities.

#### MENTAL HEALTH NEEDS ARE COMMON

Mental health needs are the most common and disabling medical conditions impacting children. One out of every five children have a diagnosable mental health disorder. Among the 9.6 million children in California, roughly 1.8 million need mental health services and supports.

Certain groups of children experience mental health needs at higher rates than the general population, including those living in low-income families, those involved with the child welfare or juvenile justice systems, and those who experience family rejection, abuse and neglect.

Common mental health needs in children are attention-deficit hyperactivity disorder (ADHD), anxiety disorders, and depression. These disorders often co-occur, increasing symptom severity and disease burden. Mental health needs negatively impact every aspect of a child's life; changing the way they learn, behave, and manage emotion. If left unaddressed, mental health needs disrupt a child's development and ability to reach their full potential in life.

"One out of every five children have a diagnosable mental health disorder." Half of all lifetime mental health needs emerge before the age 14 and three-quarters before age 24. The mental health needs that have the earliest onset are impulse control and anxiety disorders, which usually begin in childhood or early adolescence. Mood disorders (including depression) generally begin later, with rates rising in early adolescence and increasing in linear fashion into middle adulthood.

Mental health needs in youth have increased in recent years. Emotional distress, major depression, and suicide ideation are on the rise among youth. Suicide is the second leading cause of death for youth.

Most children suffer without help. Approximately two-thirds do not receive mental health treatment or services. For children living in low-income households, unmet mental health needs are even greater, with the vast majority (upwards of 90 percent) not receiving treatment or services.

The gap between need and care is both a major public health crisis and has serious implications for the future of California. As baby boomers age, younger generations bear a larger economic and social burden. Public health experts and economists are finding common cause in the importance of all children growing up to be healthy and productive.



#### THE EARLY YEARS AND SOCIAL CONDITIONS ARE DETERMINANTS

In 1963, President John Kennedy said, "Children are the world's most valuable resources and its best hope for the future." Unmet mental health needs erode that future and result in human suffering, lost human capital, and staggering economic losses.

The mental health of children is impacted by many different factors – genes and biology, as well conditions in the family, neighborhood, social, economic, and physical environments.

The early years of development provide the foundation for mental health and wellness. From birth to five, the brain develops at a rapid pace. During this time, connections are being made between brain cells and networks that provide the architecture of the brain. Ninety percent of the brain is developed by the age of 5.

Early experiences with caregivers and the environment shape the developing brain. Exposure to adverse events and toxic stress changes brain architecture and puts children at risk for problems with self-regulation and learning, and later mental and physical health challenges. This is primarily due to the overactivation of prolonged exposure to stress hormones.

Results from a California statewide maternal health survey suggest that many women are giving birth under stressful conditions. A majority of Hispanic/Latina and African American mothers were unmarried and living in high poverty neighborhoods. One in 10 mothers were victims of intimate partner violence. In addition, one in three mothers had experienced multiple hardships as children. Maternal stress heightens the risk for depression before and after birth. Maternal depression can impair the mother-infant bond and be predictive of later learning and mental health needs for the child.

Just as community members expressed, the conditions in which children are born, live, learn and play – known as the social determinants of health – have a direct impact on health and mental health risks and outcomes. Healthy environments produce healthy children. Unhealthy environmental conditions such as poverty, food insecurity, housing instability or low-quality housing, neighborhood crime and violence, and lack of access to health care are associated with poorer health. Children living in poverty are more likely to experience multiple adverse events (witness violence, experience homelessness, etc.), which can lead to higher arousal and chronic stress accumulating over time and contributing to the development of chronic disease including mental health needs.

#### TRAUMA AND TOXIC STRESS IMPACT MENTAL HEALTH

Jordan is a kindergartner who is struggling to learn and behave appropriately in the classroom. He has been inattentive, hyperactive, and acts aggressively toward others. His teacher is unable to manage or redirect his behavior and often resorts to sending him to the school office. He has recently been referred for a Special Education assessment. Since birth, Jordan has experienced multiple adverse events. His family lived in poverty and experienced housing instability. Jordan's mother suffered from postpartum depression soon after his birth which impaired their attachment bond. By the age of 3, Jordan had been exposed to domestic violence, witnessed his father being arrested by police, and had been expelled from preschool.

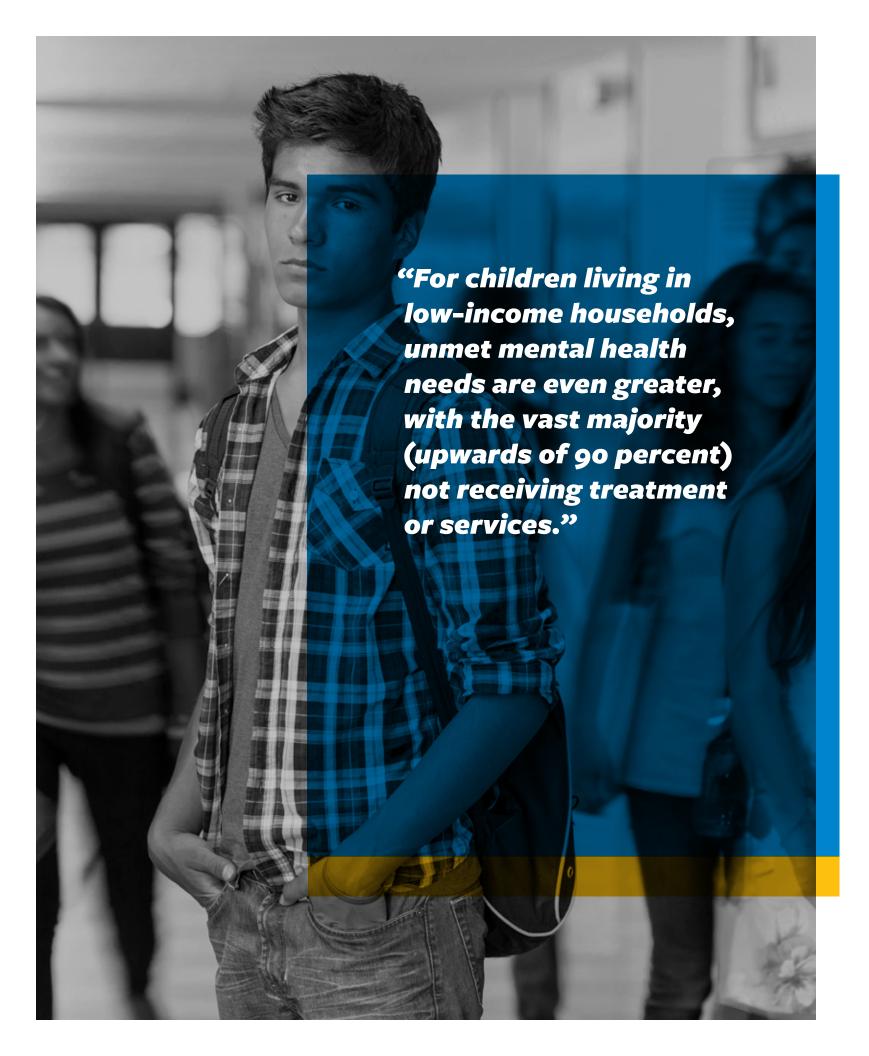
Some may ask, "What is wrong with Jordan? Is it ADHD, a conduct disorder, or some other developmental problem?" These questions can obscure the cause of Jordan's behavior. A different question to ask, "What has happened to Jordan?"

Jordan's story illustrates the vulnerability of being exposed to adversity early in life. Science reveals that infants and young children are not built to handle chronic stress. And yet, trauma – a perceived threat to self or others – is pervasive in the early years when children are most vulnerability to stress. This is particularly true for those children living in low-income neighborhoods who are being exposed to high rates of family stress and community violence.

Children experiencing trauma also experience a cascade of physiological responses. In the absence of safe and nurturing environments, they can get stuck in survival-based responses, including fight, flight, and freeze. Psychological responses and coping behaviors to trauma are often misunderstood by adults, parents, and teachers, and at times elicit punishment. These behaviors include ADHD-type behavior, hyper-arousal, anxiety, avoidance, dissociation, and numbing.

Sadly, trauma teaches children powerful lifelong lessons about themselves and the world – that the world is unsafe, other people cannot be trusted, and that they are unlovable. Lessons rooted in trauma disturb the internal world of children and their ability to regulate emotions, control their behavior, and feel safe in their own bodies. Thus, Jordan was unable to learn or thrive in a classroom setting until his basic needs for safety and security could be addressed.

Without early screening and appropriate intervention, many children who have been exposed to trauma will not be prepared to meet the expectations of formal schooling and kindergarten. They may begin school with few school readiness skills, which will decrease their likelihood of later school success.



#### PROACTIVE EFFORTS CAN IMPROVE OUTCOMES

Mental health prevention and promotion can reduce risk and build protective factors to improve mental health and educational outcomes. Figure 1 identifies strategies and programs for supporting healthy development from birth to young adulthood. Since the early years are foundational for mental health and school readiness, investments to increase access to prenatal care, home visitation programs, and early childhood interventions such as parenting and social-emotional learning programs can yield substantial economic and societal benefits.

"Science reveals that infants and young children are not built to handle chronic stress."

#### PREVENTION AND EARLY INTERVENTION FROM PRENATAL DEVELOPMENT TO YOUNG ADULTHOOD

Prenatal	Infancy	Early Childhood	Childhood	Early Adolescence	Adolescence	Young Adulthood	
Foundation for	Foundation for mental health and school readiness						
Prenatal ca	re						
	Home visitation p	orograms					
Early childhood intervention/SEL							
School climate & mental health literacy							
•		Enhancing family	strengths and p	arenting support			
◆ Developmental/BH Screening →							
		Local p	lanning and coord	dination			
		Training, tech	nnical assistance,	data & policy			

**Figure 1.** A local whole child agenda should coordinate interventions at each developmental stage. Adapted from *Preventing Mental, Emotional, and Behavioral Disorders Among Young People: Progress and Possibilities* (2009) by the National Academy of Sciences, Washington, DC.

Community prevention efforts can build protective factors – attributes that are external (such as safety, family support, positive adult role models and healthy school climate) and internal to the child such as social-emotional competence, self-esteem, and achievement motivation. Strengthening families is foundational

in building protective factors in children. Increasing parental resilience, social connectedness, support, and knowledge of good parenting practices can reduce the likelihood of abuse and neglect and buffer the effects of adversity and trauma.



#### MHSA Requires Prevention and Early Intervention Investments

The Mental Health Services Act provides dedicated funding for prevention and early intervention (PEI) programs in county mental health systems to promote mental health and reduce the risk of individuals developing serious mental health needs. Approximately 20 percent of MHSA revenues received by counties must be spent on PEI strategies. Approximately \$350 million to \$400 million dollars are available for PEI each year; 51 percent of these funds to be used to serve individuals from birth to 25 year of age.

The intention of the PEI component is to move the mental health system toward a "help first" rather than a "fail first system." PEI strategies can target a range of activities and services from reducing risk and building protective factors (prevention) to enhancing outcomes and recovery early in the course of mental illness (early intervention), or a combination of the two. These efforts are most often successful when partnerships are linked across systems including education, mental health, social services and criminal justice, which is encouraged by the requirement that county PEI programs engage with underserved communities and work to reduce stigma.

The act directs PEI strategies to address the negative outcomes associated with untreated mental health needs, including school failure. From a strengths-based perspective, PEI funds can be used to support and enhance school success. School success can be defined many ways and includes learning, student achievement, school engagement, and eventually graduation from high school and college, to name a few. However, the proverbial saying that "school success begins at home" provides context for understanding the student experience. A student's success is embedded in loving and supportive families, and safe, healthy schools and communities.

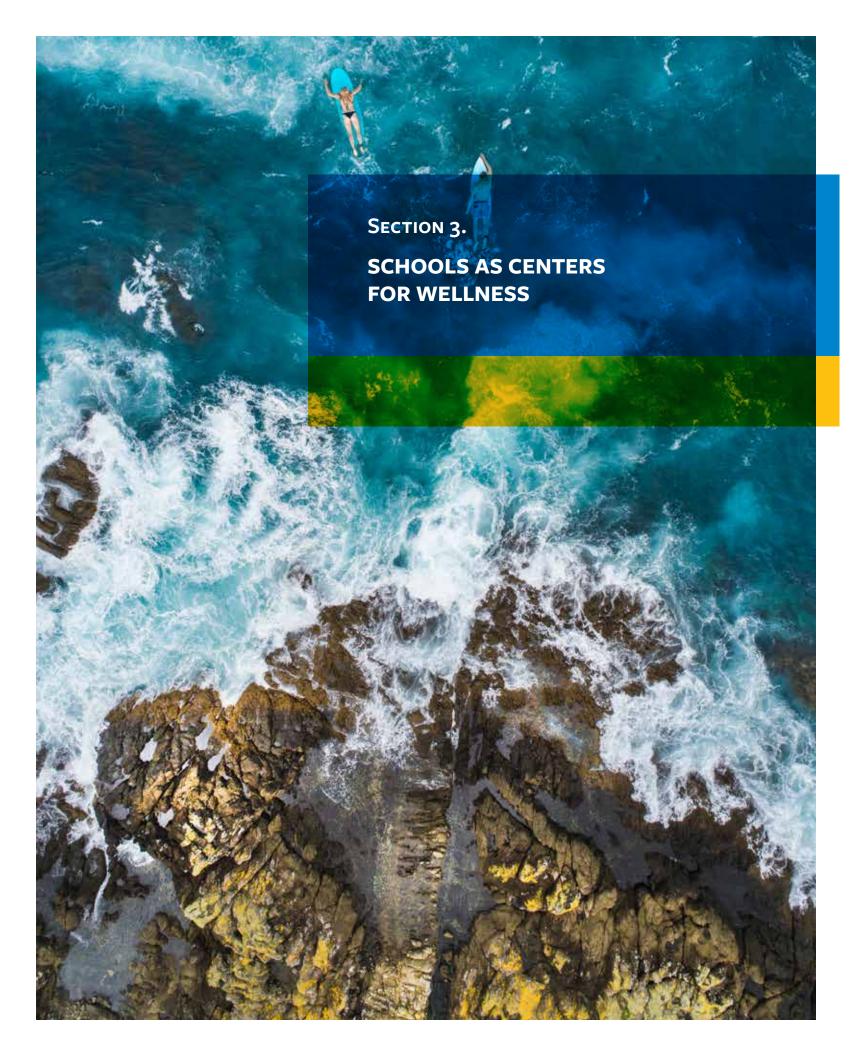
The research literature suggests that a child's readiness for kindergarten plays an important role in later school success. Thus, efforts to bolster school success can begin as early as infancy and include parents, families, and educators in different community settings. Some county MHSA programs address the early building blocks of school success (See Appendix A). These programs strengthen early relationships, build social and emotional competence in young children, and include developmental screenings, including screening for trauma, social and emotional functioning.

#### **BUT A SYSTEMS APPROACH IS LACKING**

While counties use MHSA to fund programs for young children and their families, most programs do not focus on children younger than 8-years-old or address early trauma as a precursor to mental illness. In addition, programs that are focused on specific ages or circumstances usually operate as independent "add-ons" and may only reach a small number of individuals.

Generally speaking, most counties do not have a strategic plan for enhancing school success and student mental wellness through prevention and early intervention beginning at birth. Many different agencies and organizations serve families with young children and students, and there may be little to no coordination of services and/or leveraging of resources across various service systems. Some county First 5 commissions and school districts report being unaware of or left out of the community planning process required in the development of MHSA programs. These entities would like to see more robust community engagement and a stronger commitment to assessing the needs of young children and families.

"Approximately \$350 million to \$400 million dollars are available for PEI each year; 51 percent of these funds to be used to serve individuals from birth to 25 year of age."



chools are essential partners in supporting the mental health and wellness of children and youth, and several partnerships are working across systems to meet the diverse needs of California's students to improve outcomes through comprehensive school mental health.

Children cannot grow, learn, and thrive if they are unable to pay attention and self-regulate due to a mental health condition. Thus, improving school performance must also focus on supporting student mental, emotional and behavioral health.

Schools also are central to family and community life and can increase access to mental health services and reduce stigma. Children spend almost one-third of their lives at school (approximately 180 days a year). And by extension, parents and younger siblings also are connected to the schools, allowing practitioners to provide additional education and referrals.

Schools are often termed the de facto mental health provider, although the majority of students with mental health needs do not receive services. Those who do receive mental health services typically, receive them in schools rather than community clinics and offices. Schools can be the first line of defense in identifying and addressing mental health needs before they become severe and disabling.

To address the needs, and especially the disparities, educators are cultivating a positive school climate and incorporating social emotional learning into curricula. School-community partnerships are forming, and strong models are emerging. Experience is proving to be a good teacher in how to work better together – and one lesson is empowering youth to help them address their needs and increase resiliency.

"Based on national and state prevalence rates, between 620,000 and 1,240,000 students are estimated to have a mental health condition. The vast majority will not receive services and supports."

#### CALIFORNIA STUDENTS HAVE DISPARATE EXPERIENCES AND OUTCOMES

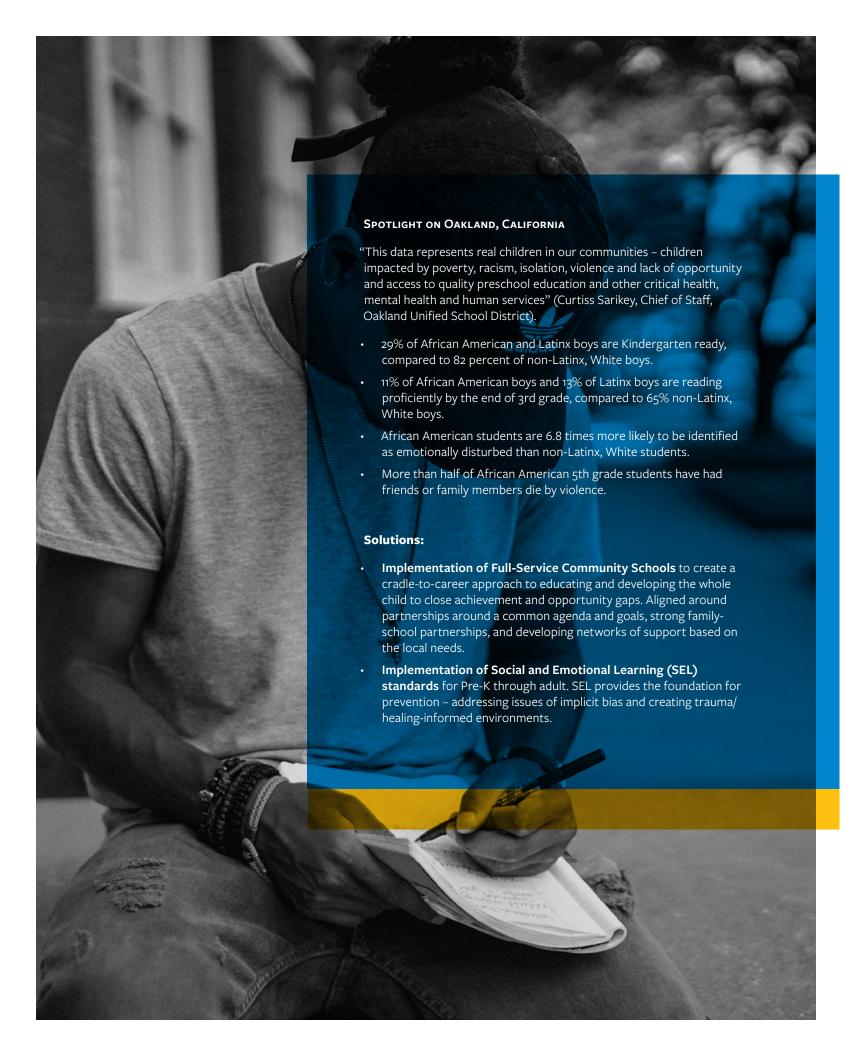
California has 6.2 million students enrolled in K-12 schools. California's students are among the most diverse in the country. Approximately 51 percent of students are Latino/Latinx, 27 percent are white, 11 percent are Asian American, and 5 percent are African American

Based on national and state prevalence rates, between 620,000 and 1,240,000 students are estimated to have a mental health condition. The vast majority will not receive services and supports. Unmet trauma and mental health needs are strongly associated with barriers to learning such as disengagement, chronic absenteeism, suspension and expulsion (and by extension, the school-to-prison pipeline), and school dropout.

The consequences for children – and all Californians – are staggering:

- African American students, Native American students, and students in foster care are more likely to be suspended or expelled. The highest disparities existing for African American boys K-3, who are 5.6 more times likely to be suspended or expelled than the statewide average.
- Close to half of students in 5th grade report having experiences at school that made them feel unsafe or diminished (e.g., being hit or pushed at school, being the target of rumors, name calling, and teasing).
- Approximately 1 in 3 high school students feel chronically sad and hopeless.
- Almost 1 in 5 high school students have seriously considered suicide in the past year.
- LGBTQ youth experience higher rates of bullying, victimization, chronic sadness, and suicidal behavioral compared to their peers.

More than 75 percent of school principals in California indicate that students' emotional and mental health were a moderate or severe problem at their school. Furthermore, two-thirds of teachers report they are unequipped to address their student's mental health needs.



#### Addressing Mental Health Can Enhance Learning and Wellness

Many terms are used to describe the provision of mental health services in schools – school mental health, school-based mental health services, and the expanded school mental health framework. These terms refer to school and staff efforts to respond to nonacademic barriers to learning, including social, emotional, and behavioral challenges. Recently, the term comprehensive school mental health has been used to emphasize the importance of providing a full array of mental health services to students based on their strengths and needs. Comprehensive school mental health systems provide a continuum of mental health services and supports across tiers of intervention:

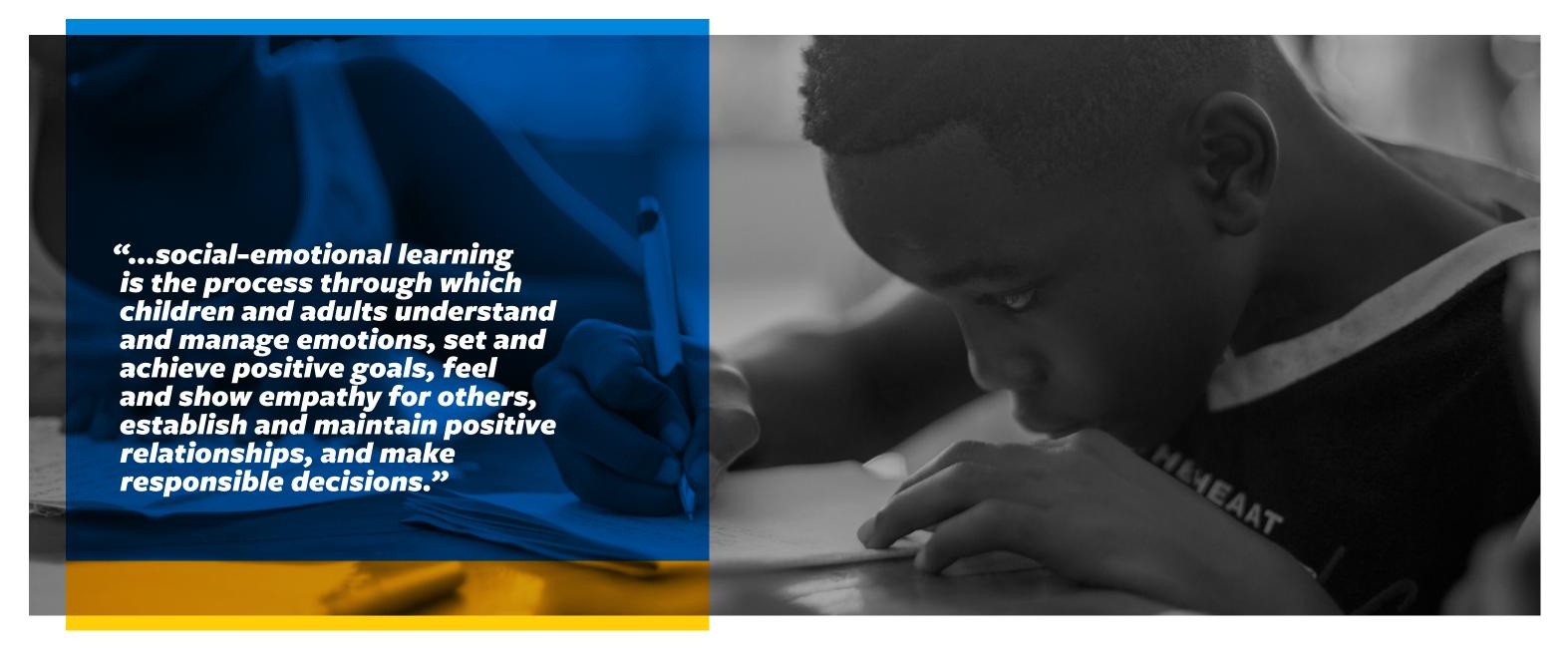
- **Tier 1:** Universal, prevention services for all students to promote wellness and a healthy school climate.
- Tier 2: Targeted (selective) services for some children at risk and/or showing signs and symptoms of developing mental health needs; and
- **Tier 3:** Intensive (indicative) services for few students with greater mental health needs.

Research clearly links the provision of school mental health services to many positive school and student outcomes. School mental health is associated with improved academic performance, increased school engagement, reduction in disciplinary measures, decreased need for Special Education, and increased graduation rates.

# "Research clearly links the provision of school mental health services to many positive school and student outcomes."

Within a multi-tiered system of support, it is estimated that between 10 and 15 percent of students need additional support beyond Tier I, universal interventions. However, as project stakeholders noted, the MTSS pyramid is often "inverted" in disadvantaged communities. This results in district staff feeling overwhelmed by "crisis management" and the large number of students who needed more intensive interventions beyond Tier I. There was concern among project stakeholders that Tier I interventions were not fully established. Thus, districts responded to student needs when problems became "acute and recognizable."

Strengthening and coordinating an array of Tier I inventions is critically important to the wellbeing of students and foundational to a comprehensive school mental health system. It is also in line with what project stakeholders including parents and caregivers wanted more of in schools – prevention and early intervention activities. These activities can include establishing a positive school climate, social-emotional learning, universal screening, mental health literacy, traumainformed practices, restorative justice, and mindfulness practices to name a few. These activities require ongoing training and support for school staff who are on the front lines of student mental health.



#### **ADVANCING TIER 1: UNIVERSAL PREVENTION**

#### A Positive School Climate is Essential

In addition to academic curriculum, schools can support healthy development by providing safe, supportive spaces for children to grow, learn and thrive. A positive school climate is a major factor in student experiences and success. School climate is multifaceted and includes the physical conditions of buildings and classrooms; the social conditions, such as the quality of relationships and equitable and fair treatment; and, academic conditions, such as too much pressure and homework. These conditions represent the quality and character of school life and influence the feelings the schools invoke, such as whether students feel safe, supported, and connected.

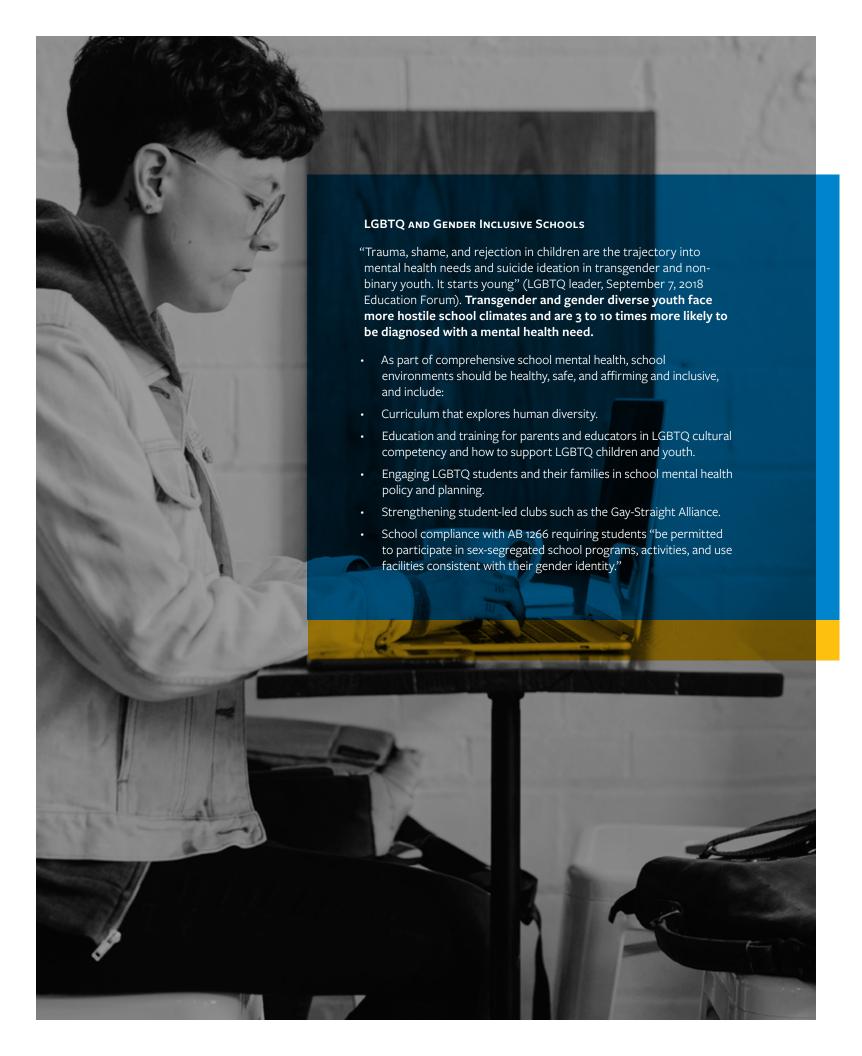
Four aspects of school climate are associated with mental health and wellbeing: 1) positive social connections and relationships; 2) school safety; 3) school connectedness; and, 4) academic environment. Students who feel that their schools have these characteristics report better psychosocial wellbeing, more positive and pro-social behaviors, fewer mental health issues, and fewer delinquent or risk behaviors.

A positive school climate benefits all students, especially those at risk.

Trauma-informed or "trauma-sensitive" schools provide a framework for establishing a school climate that recognizes many children have had traumatic experiences – a theme that was expressed universally in community outreach efforts for this project. Trauma-sensitive schools help children feel safe – in the classroom, hallways, cafeteria, playground and on the school bus – so that they can learn. Core features include a holistic approach to student learning, creating positive relationships with teachers and peers, connecting students to the school community (rather than pulling them out of class and away from others), and staff working together and assuming shared responsibility for all students.

#### Social and Emotional Skills are Among the New Basics

Schools can also promote healthy development and positive mental health among students, especially those impacted by trauma, by fostering social and emotional learning (SEL). According to the Collaborative for Academic, Social, and Emotional Learning (CASEL), social-emotional learning "is the process through which children and adults understand and manage emotions, set and achieve positive goals, feel and show empathy for others, establish and maintain positive relationships, and make responsible decisions."



#### FIVE CORE COMPETENCIES OF SOCIAL AND EMOTIONAL LEARNING AND ACQUIRED SKILLS

The impact and positive benefits of SEL programs are well documented in the research literature. Children who experience SEL programs have higher school achievement, better coping skills and resiliency, and fewer conduct problems. SEL programming also has been shown to reduce the school readiness gap and increase academic success for children from disadvantaged backgrounds.

SEL programs have a demonstrated positive return on investments. On average, for every \$1 spent on SEL programming, there is an economic return of \$11. Providing children with early social and emotional skills is linked with positive adult outcomes, as well, including educational attainment, employment, civic engagement, positive mental health, and healthy relationships later in life.

#### Educator Wellness is Integral to Student Wellness

Social and Emotional Competencies	Skills			
Self-awareness	Recognizing feelings, self-confidence and self-efficacy			
Self-regulation	Regulating emotions, thoughts, and behaviors; controlling impulses, working towards goals			
Social awareness	Understanding different perspectives, empathy, respect for others			
Relationship skills	Communicating effectively, establishing and maintaining relationships with others			
Responsible decision-making	Problem-solving, understanding the consequences of actions			

In addressing student mental health and wellness, policies and programming should attend to the wellbeing of adults in a child's life. Parents, caregivers, educators, and other adults provide proximal contexts from which children's development unfolds. If an adult in a child's life struggles with stress, past/present trauma, and mental health and substance abuse concerns, they are less able to provide safe, consistent, and loving environments for a child to thrive.

Strengthening adult resilience and wellbeing should be a priority, if we are to improve educational and mental health outcomes for children.

Teachers and school staff are not immune to the stress and trauma in the lives of their students. Data on adverse

childhood events (ACEs) suggest that educators are exposed to many children who have experienced trauma, and that puts them at risk.

High levels of stress and burnout are common in the teaching profession, coupled with large numbers of students with trauma and mental health needs, suggests we need greater understanding of educator mental health to improve school climate and student outcomes. For teachers and staff in low-income schools, who are less likely than their counterparts in high-income schools to receive mentoring, support and other forms of social capital (known as the "support gap"), stress and burnout may be especially common and complicated by compassion fatigue and secondary trauma.

There is also a need for greater programs and policies on teacher mental health and wellness. Programs that are trauma-informed and address both teacher wellbeing and the classroom/school environment are likely to improve student outcomes. A core feature of trauma-informed schools is to combat burnout, compassion fatigue, and secondary trauma by helping teachers create greater self-awareness around physical, emotional, and cognitive reactions in the classroom.

An MHSA-PEI Program in Orange County has adopted such an approach by providing teachers with stress management and mindfulness training (Orange County MHSA PEI Program: School-Based Stress Management Services). The training is part of the Resilient Mindful Learner Project, at the Orange County Department of Education. The project trains K-12 teachers in managing classroom stress and building resiliency to reduce the risk of children developing a mental health condition from unmitigated stress. Through the training, teachers:

- Learn about the biology of trauma and toxic stress, and its impact on student behavior and learning.
- Develop self-awareness around their own sources and levels of stress, and learn how to manage stress in healthier ways.
- Learn to recognize the signs of stress in their students and implement self-regulation strategies such as mindfulness into the day-to-day classroom environment.

To successfully implement and sustain these practices in their classroom, teachers receive in-class coaching and additional support from an ongoing learning/training cohort. Preliminary evaluation of the program suggests that after the training, teachers have a greater sense of competence and use less disciplinary means in their classroom.

#### MHSA Funds are Supporting Prevention and Early Intervention in Schools

More than 100 MHSA PEI programs provide student mental health and wellness services in California. Many of these programs support school-based interventions offered at select schools. Examples of programs include:

- · Social-emotional learning and resilience building
- Positive Behavior Intervention Strategies (PBIS)
- Bullying and violence prevention

Some counties use PEI funds to provide professional mental health and paraprofessional staff on school campuses such as in El Dorado, Los Angeles, and Monterey. A smaller number of counties have used PEI funds as part of a blended funding strategy to build continuums of care within schools. For example, the San Francisco Department of Public Health-Behavioral Health Services collaborated with community-based organizations and San Francisco Unified School District to establish Wellness Centers.

Schools serve as hubs for a range of services and supports to students who have difficulties in school due to trauma, immigration stress, poverty, and family dysfunction. Services are prevention and/or resiliencyfocused and are provided both during and after school hours. Mental health consultation is also provided for teachers, administrators, and staff, particularly those who are experiencing challenges with student's behavior and emerging mental health needs.

An Opportunity: County Behavioral Health Departments can address school failure, as one of the negative outcomes outlined in the PEI regulations, by aligning their PEI plans with school district's local control and accountability plan (LCAPs) to improve student

#### WELLNESS CHALLENGES CONFRONTING EDUCATORS

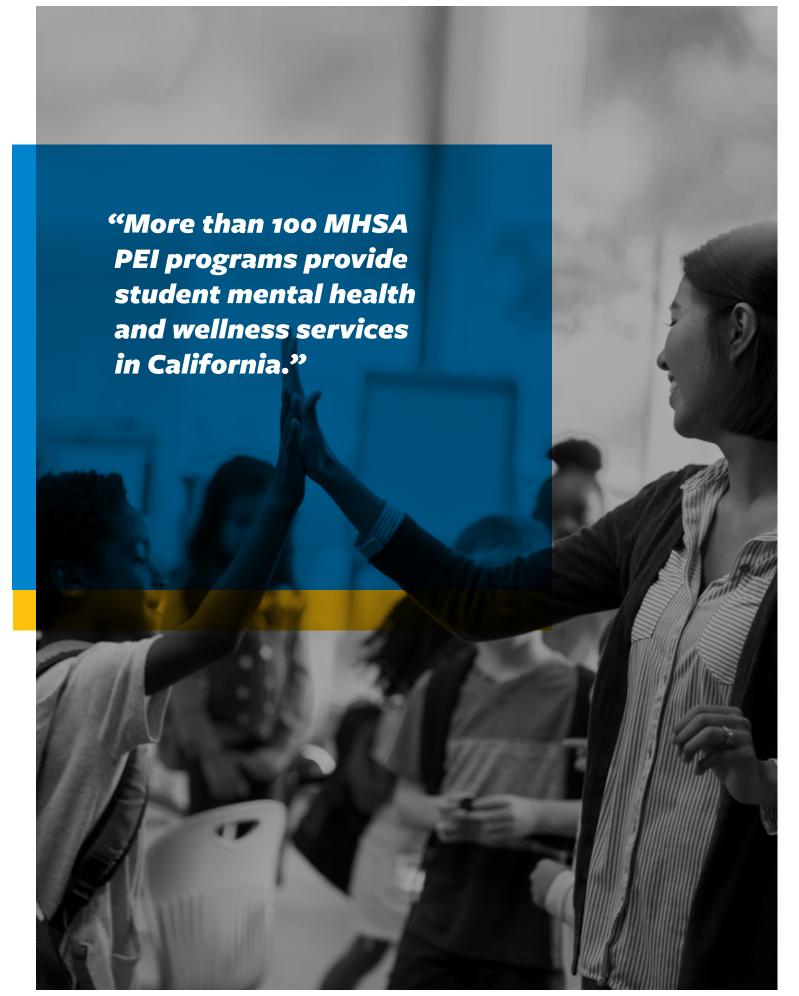
**Burnout** – Chronic stress that arises when workers feel exhausted, dissatisfied, powerless and/or overwhelmed at work (Burnout has many causes and is not necessarily trauma related).

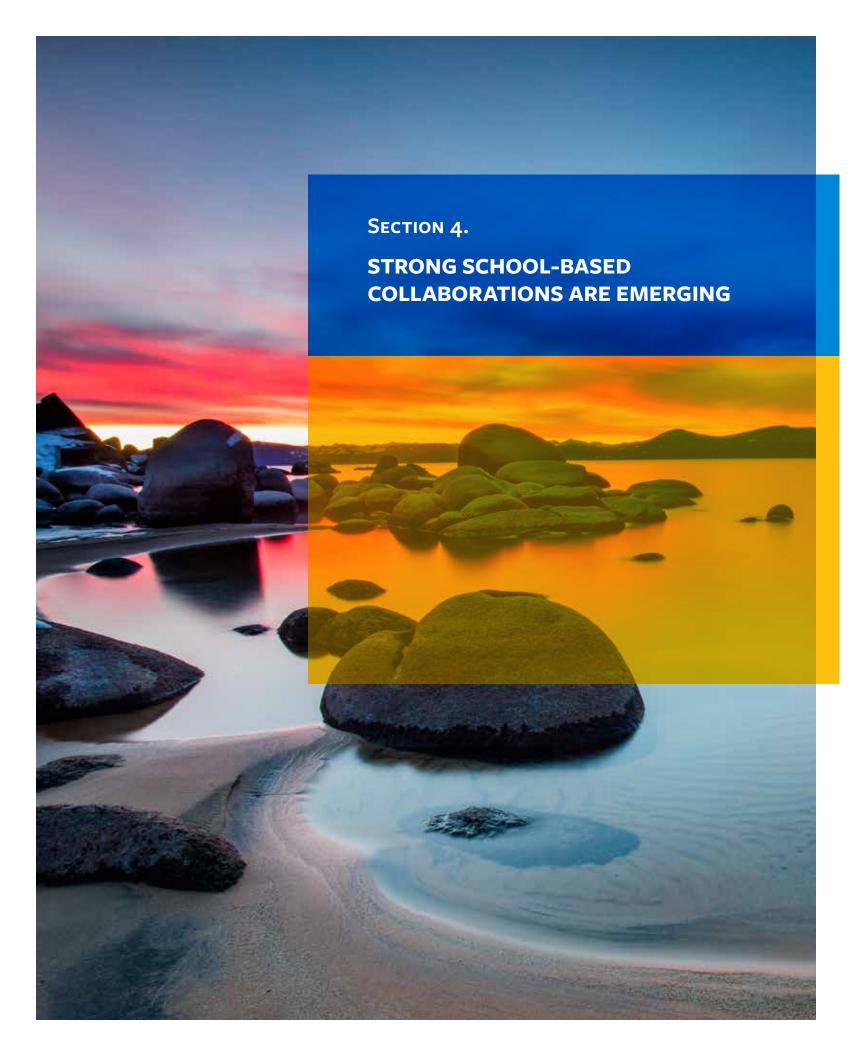
**Compassion Fatigue** – Profound stress and exhaustion that arises from caregiving and repeatedly hearing/ witnessing trauma and suffering, that leads to an inability to care or feel empathy for others ("having nothing left

**Secondary Traumatic Stress** – The development of PTSD-like symptoms as a result of working with or being close to in people experiencing trauma and suffering. STS is also known as vicarious trauma, and represents the fundamental changes in a person's worldview and sense of self as a result of working with traumatized

\*The above concepts often overlap. For example, unaddressed secondary traumatic stress can lead to compassion fatigue.

"Schools serve as hubs for a range of services and supports to students who have difficulties in school..."





cross California, schools and local agencies are responding to student mental health needs in creative and innovative ways through partnership and collaboration. Communities are

breaking down traditionally siloed systems to build comprehensive and integrated responses. Leadership is emerging from county offices of education, behavioral health departments, and non-profits working in close collaboration with local school districts and community providers.

At the state level, the California Department of Education has been instrumental in this work through Project Cal-Well and the guidance of the Student Mental Health Policy Workgroup. A list of models and partnerships are provided in Appendix B

#### **CONTINUUM OF COLLABORATION**

Communication Cooperation Coordination Coalition Integration

Low Level Collaboration	 High Level Collaboration
Limited or no formal agreement  Work toward different goals	Formal agreements  Work toward shared goals and outcomes
and outcomes  Agencies remain in control of resources and funding	Agencies share responsibility for resources and funding Staff managed by
Staff managed by agency  Decision making by agency	partnership  Joint decision-making
Affiliation to agency	Affiliation to partnership
Accountable to agency	 Accountable to partnership
Agency-Focused	Collaboration-Focused

#### **KEY ELEMENTS OF MENTAL HEALTH COLLABORATIVES**

Collaboration between school and community partners is required to identify needs, align resources, and implement services and support. Collaborations exist on a continuum ranging from lower levels of collaboration where schools and community agencies are communicating and cooperating but without formal agreements to higher levels of collaboration, where there is greater integration of services and supports through formal agreements, shared goals and joint decision-making. According to the National Center for School Mental Health, best practices in comprehensive school mental health include:

- Strong and effective partnerships between schools, families, and community agencies based on shared vision and goals.
- Needs assessment and resource mapping to identify school and community needs and resource availability.
- Strong and effective implementation and alignment of universal interventions, including a healthy school climate and culture.
- Integrated, multi-disciplinary teams at all administrative levels to implement and monitor services and supports.
- Data-driven, quality improvement practices.
- Educator and staff wellness, support, and professional development.
- Sustainability of services through blending and braiding multiple funding streams.

Collaborations involve considerable administrative time, planning, and creativity to make programs/services sustainable long after grants have ended.

"...schools and local agencies are responding to student mental health needs in creative and innovative ways through partnership and collaboration."



#### LESSONS LEARNED: PATIENCE AND PERSISTENCE ARE ESSENTIAL

Collaborative partnership models are designed to respond to the unique needs of students and families in their community, as there is no "one size fits all" approach. Educators and mental health providers shared with the Commission the lessons learned in forging partnerships and building collaborative processes across systems. The following provides a brief summary of identified challenges and opportunities.

Partners noted that collaboratives can be especially challenging to build and sustain since each entity has different missions and goals, organizational structures, professional cultures, confidentiality and dating sharing regulations and funding mechanisms.<sup>29</sup> State legislation has inadvertently made it difficult to break down silos by specifying which students are eligible for mental health services and how those services are delivered. For example, Assembly Bill (AB) 114 transferred responsibility for educationally related mental health services (ERMHS) from county behavioral health departments back to schools. Under AB 114, school districts are responsible for providing mental health services only to those students with Individualized Education Programs (IEPs) who have mental health challenges that impair their learning and ability to access school curriculum.

"There are simply not enough mental health professionals employed in school settings to provide a comprehensive range of services and supports."

Partners also noted that if California were to solve the problem of siloes, there are simply not enough mental health professionals employed in school settings to provide a comprehensive range of services and supports.<sup>30</sup> California lags behind many other states in the ratio of mental health professionals to students. On average, California's K-12 schools have one counselor for every 681 students, one school psychologist for every 1,124 students, and one school social worker for every 9,277 students. <sup>33</sup> Nationally, recommended ratios range between 1 professional per 250 students, teachers and staff, and one professional for 500 students on campus.

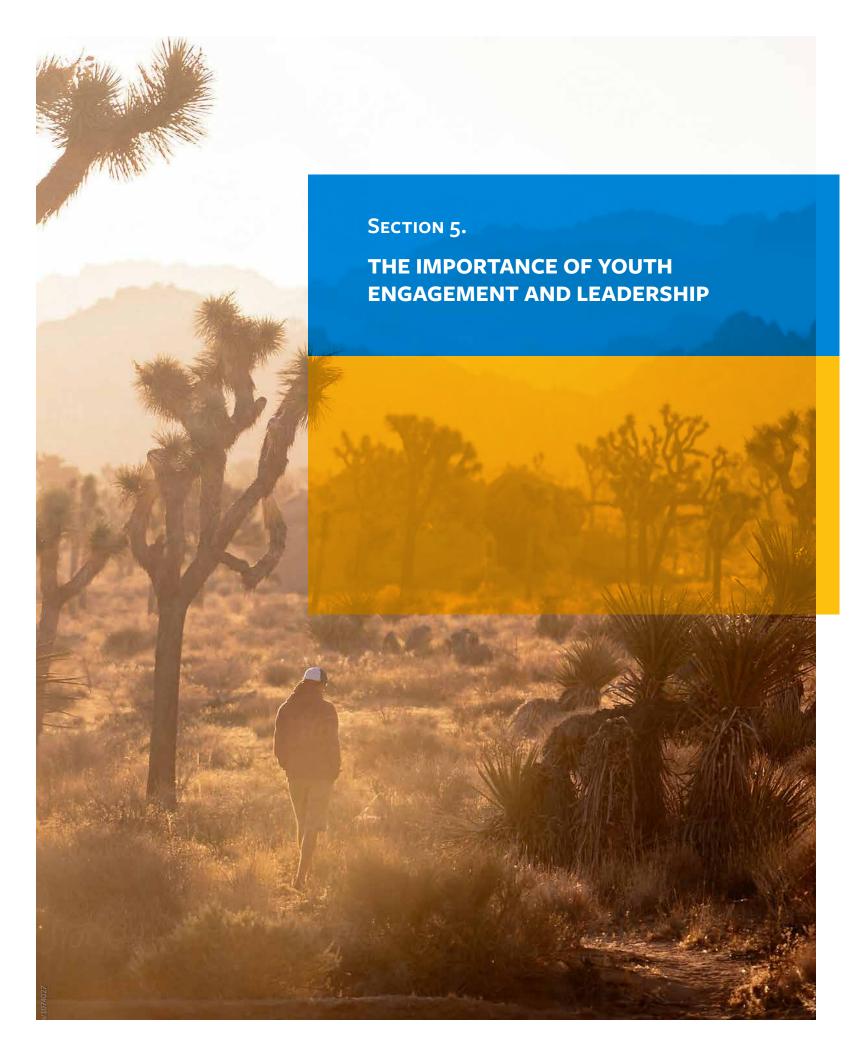
Community partners have learned many lessons. First and foremost, integration is hard work. As Kasey Rodenbush, behavioral health services manager at Monterey County, said: "Patience and persistence are essential. Mental health integration demands a shift in how system cultures work together, which takes time and commitment." All stakeholders, she said, must be at the table to identify the needs of students in the community, develop a plan, and carefully implement.

Second, bridging different professional cultures and languages requires interdisciplinary training so that all partners speak the same language and have a common set of goals.

Third, data must guide planning and decision-making at all levels of the governance structure –county, school districts and schools.

Fourth, schools must have a strong foundation of Tier I universal services and supports for all students to build upon. Universal services and supports are critical for establishing the positive school culture and social and emotional learning that forms the basis for comprehensive school mental health.

Lastly, schools and counties need technical assistance to align resources and maximize service delivery. Often, services and supports are in place, but are not efficiently coordinated.



outh-driven movements to support youth mental health and wellness are arising across California and the nation. California's youth leaders are stepping up to educate their peers about mental health in schools, shape school-community mental health programs, and create accountability for youth-driven mental health systems. These movements bringing young people together to be advocates for greater mental health awareness and to become leaders in designing services in their schools and communities. Youth involvement in mental health programming leads to better quality services that are responsive to the needs of youth. Since stigma is a primary barrier to youth seeking mental health services or helping a friend in crisis, youth can play an important role in reducing stigma among their peers through outreach and engagement, education, and support.

"...across California, youth leaders are countering stigma and creating safe space for youth to open up, share their stories, and get connected to services."

On school campuses across California, youth leaders are countering stigma and creating safe space for youth to open up, share their stories, and get connected to services. The National Alliance of Mental Health (NAMI) Campus High School (NCHS) Clubs are one example of a mechanism to support youth leadership and advocacy within schools and communities. Some 70 student-led NCHS clubs in California are promoting mental health awareness, educating the school community about mental health, and supporting and connecting students to services.

Cal-HOSA: Future Health Professionals is another student-led effort to address mental health on school campuses, often partnering with NAMI clubs. Cal-HOSA chapters are comprised of students interested in the health and mental health professions; more than 200 middle and high schools in California have chapters. Cal-HOSA has implemented the Mental Health Prevention and Early Intervention Consortium in schools to increase awareness of the risk factors associated with mental health needs, early detection, and treatment. At one of the consortium schools, a high school in Madera County, youth serve as mental health ambassadors and facilitate peer-to-peer sessions and support networks around mental health for students. These youth conduct mental health outreach to parents in the local community, many of whom are farmworkers.

Other grassroots efforts are springing up on high school campuses. For example, Dublin High School students came together after a fellow student died by suicide to create a youth-led movement to address mental health in their school. The Elephant in the Room Project enables students to connect with other students and share their personal stories in a safe environment. The project uses the hashtag campaign #YouCanTalkToMe to advertise events, connect students, and provide support.



Youth also have played leadership roles at the county level. For example, the Humboldt County Transition Age Youth Collaboration is a unit within the Transition Age Youth Division of the county Department of Health and Human Services (DHHS). The collaborative works with the department and two partner organizations to build youth responsive and youth-informed systems of care. The collaborative includes a Youth Advisory Board comprised of 16- to 26-year-olds who have experience with foster care, mental health, juvenile justice or homelessness. The advisory board is predicated on the belief that youth are experts in the systems that serve them and are vitally important in transforming the system to respond to the needs of youth. Advisory board members are paid for their time and expertise, participate in local meetings about youth, drive youthled local projects and initiatives, and provide training to other partners on engaging youth and developing youth informed approaches to service provision.

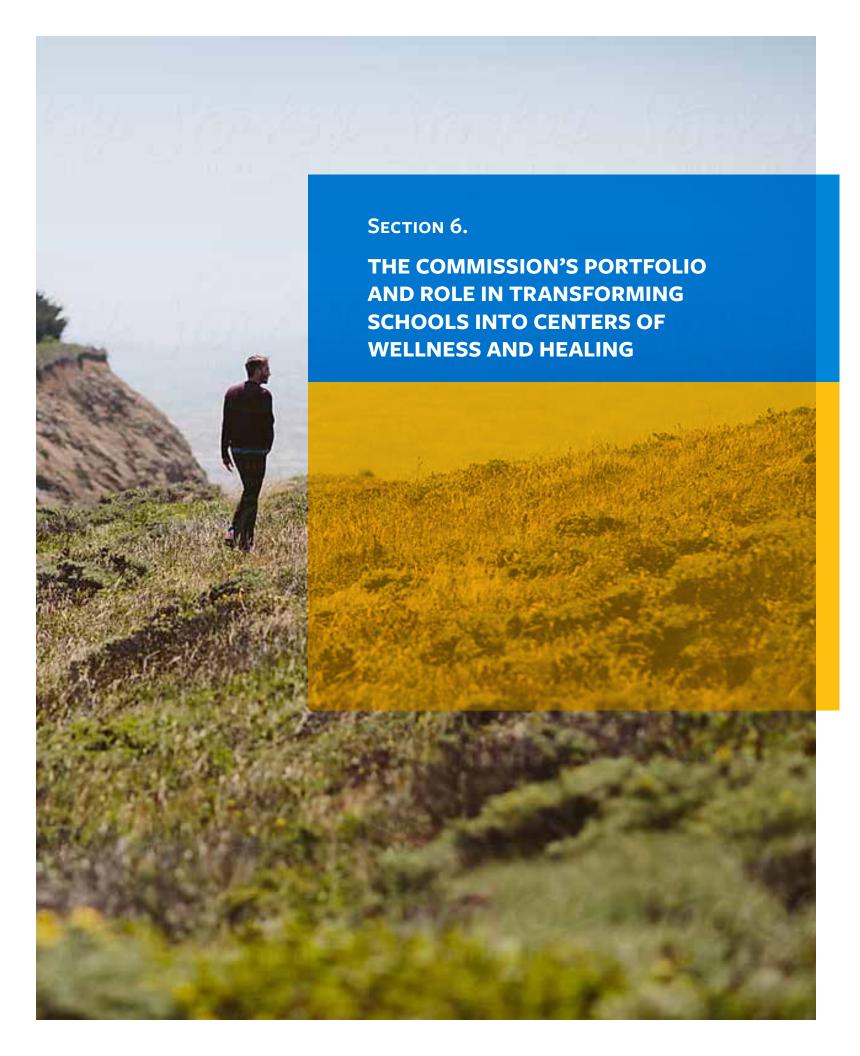
Nine out of 58 counties have children or youth advisory committees. This represents an unrealized opportunity to engage youth in the MHSA community planning process, tap into their expertise, and support youth leadership.

There is considerable momentum for innovation that includes youth leadership in designing youth-centered programs and systems. This energy, excitement and momentum can be harnessed by schools and communities, provided youth engagement is based on active participation and decision-making rather than "decoration" and "tokenism."

Hart's framework of children and youth participation can help schools and communities understand the different degrees of participation and engagement in program development. The framework is a ladder with each rung depicting participation along a continuum. The lower rungs represent an adult-centered planning process in which adults portray youth championing a cause, use youth as decorative objects to bolster their efforts, or engage in tokenism where youth have little power or decision-making authority. The middle rungs represent a higher degree of youth engagement in which youth advise adults or perform specific roles as advised by adults, such as serving on youth advisory boards. The highest rungs of participation are when young people initiate programs and share decision-making with adults through youth-led activism and youth-adult partnerships.

#### HART'S LADDER OF YOUTH PARTICIPATION

	Youth-Initiated, Shared Decisions With Adults
Degrees of Participation	Youth-Initiated and Directed
of Part	Adult-Initiated, Shared Decisions With Young People
icipatio	Consulted and Informed
n i	Assigned But Informed
Non-	Tokenism
Non-participation	Decoration
ation	Manipulation



nder its broad authority to advance the goals of the Mental Health Services Act, the Commission has prioritized children's mental health and has elevated the importance of schools as a point of access for services and a core partner in promoting mental wellbeing. The Commission has fostered public discussions in hearings and community forums. It has supported innovation projects involving school-based partnerships. It has partnered with other state agencies and advised the Governor and the Legislature on ways to incentivize and strengthen community collaborations. This section summarizes the Commission's efforts to catalyze school-based mental health partnerships.

#### SB 82/SB 833 TRIAGE GRANT PROGRAM

The Commission administers the investment in Mental Health Wellness Act (SB 82 of 2013), which funds community-based mental health crisis services. Most programs funded under the first round of grants targeted adults. Based on concerns raised by children's advocates, the act was amended (SB 833 in 2016) to authorize Triage grants for a continuum of crisis intervention services and supports for children and youth 21-years-old and under. In response, the Commission allocated 50 percent of Triage grants in a second round of funding to children's programs.

In addition, the Commission designated part of the funds as incentives for school-county collaborations. In 2018, funds were awarded to four entities: the California Association of Health and Education Linked Professions JPA (CAHELP in San Bernardino County) Humboldt County, Placer County, and the Tulare County Office of Education.

These collaborations are: 1) building and strengthening partnerships between education and community mental health, 2) supporting school-based and community-based strategies to improve access to care, and 3) enhancing crisis services that are responsive to the needs of children and youth.

In addition, the Commission awarded Triage contracts to five local agencies that are operating school-based Triage programs: the city of Berkeley and the counties of Humboldt, Riverside, Sacramento, and San Luis Obispo.

A statewide evaluation of these programs will be conducted to understand the link between implementation and outcomes, as well as the lessons learned in developing a roadmap for other communities to follow. Opportunities for training and technical assistance can be leveraged with Triage grants to build learning communities statewide.

"...the Commission has prioritized children's mental health and has elevated the importance of schools..."

#### MENTAL HEALTH STUDENT SERVICES ACT (MHSSA)

Due to widespread interest in school-county partnerships, the 2019 Budget Bill included the Mental Health Student Services Act (MHSSA), which provides \$40 million one-time and \$10 million ongoing funding for additional mental health partnerships between county behavioral health departments and school districts, charter schools, and county offices of education.

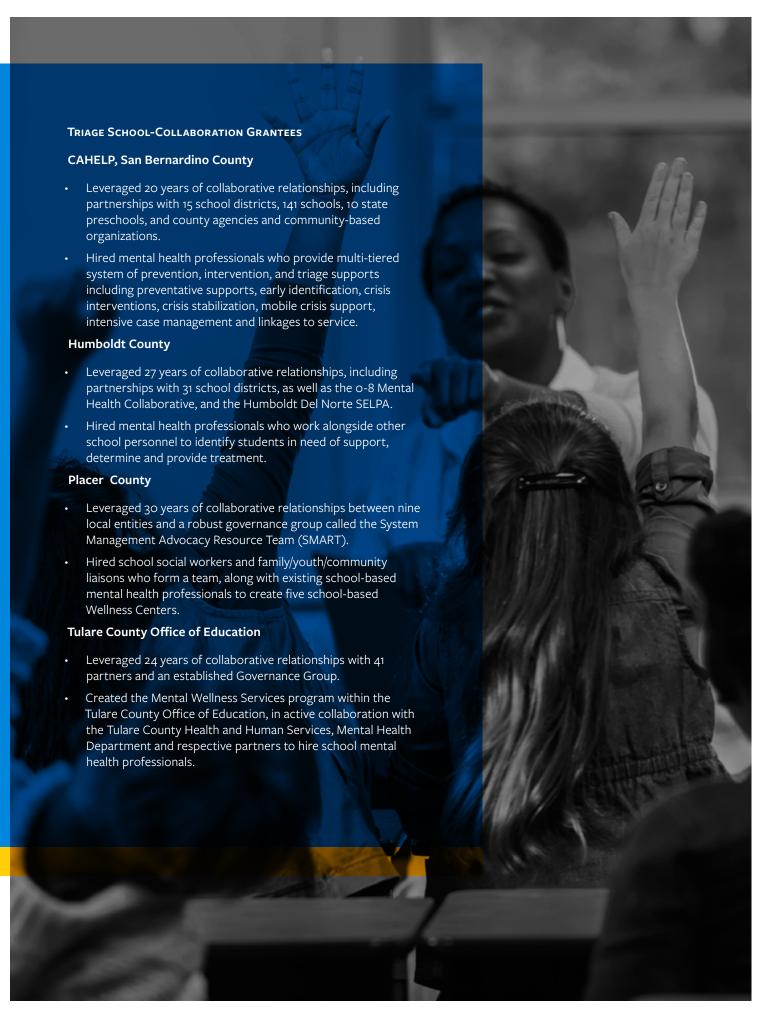
The act specifies that partnering agencies should emphasize the prevention of health needs from becoming severe and disabling, timely access to services, the reduction of stigma, and outreach to families and service professionals to recognize early signs.

In the fall of 2019, the Commission conducted statewide listening sessions throughout the state to allow stakeholders to shape how funds should be allocated. The Commission in November 2019 adopted criteria for the allocation of funds. The first round of grants will be awarded in spring 2020.

#### PARTNERSHIP WITH THE CALIFORNIA DEPARTMENT OF EDUCATION

The Commission has partnered with the Department of Education on several projects. First, the Commission consults with the State Superintendent of Public Instruction to ensure the MHSSA grants are aligned with the goals of the educational community. Second, the Commission contracted with the Department of Education to build and enhance school-county partnerships through the development of an implementation guide and learning collaborative. Stakeholders have indicated a need for more resources including training and technical assistance to begin and sustain this work.

Lastly, the Commission is working with the CDE to link educational and mental health data. The data matching has the potential to yield important information on the impact of mental wellness on educational outcomes, the needs for services and the effectiveness of interventions. A data forum will be held to engage stakeholders on key data-related issues and to strengthen partnerships that can link data for improving the quality of services and outcomes.





#### YOUTH INNOVATION PROJECT

The Commission in 2018 launched the Youth Innovation Project and established a Youth Innovation Project Planning Committee, comprised of 14 youth from 12 counties to guide the project. Led by Commission Chair Khatera Tamplen, the Committee is working to identify and develop concepts for youth-centered county innovation projects with the potential for significantly improving treatment and outcomes for youth. The Commission contracted with three youth serving organizations to provide support, training and capacity building for the committee.

The committee reviewed the mental health literature, results from a statewide survey on youth mental wellness, and findings from four focus groups of youth held in different parts of the state. The committee identified mental health promotion and prevention in schools and colleges as a key opportunity for exploring innovative solutions. The committee also recommended that research-informed tools and strategies such as positive youth development and youth-led action research be incorporated into projects.

The Commission is working with county leaders to partner with the committee and local youth to host regional idea labs that will explore innovations to increase preventive mental health services in schools.

The Commission has also funded youth-led organizations such as the California Youth and Empowerment Network (CAYEN) and the California Youth Connection (CYC) to facilitate transition age youth (TAY) engagement with California's mental health system. CAYEN is a statewide TAY board comprised of those who have been "touched by" the mental health, juvenile justice, or foster care systems. CAYEN empowers TAY leaders to "create positive change" in the mental health system through involvement in decision making and bridging multiple systems to improve outcomes for youth. CYC is led by current and former youth in the foster care system who have been instrumental in transforming the foster care system through youth-led outreach, training, organizing, and advocacy. CYC operates a youth-led project - No Stigma, No Barriers – which is designed to improve mental health outcomes for youth. A key finding from this outreach is that youth want services and supports that are strengths-based, peer-led, and wellness-oriented.

The Commission also has supported innovation projects that center the youth voice and leadership. In 2018, the Commission approved \$15 million to open onestop, youth mental health clinics in Santa Clara County.

These clinics were inspired by a model in Australia called headspace. The Santa Clara County allcove innovation is a partnership between Santa Clara County Behavioral Services and Stanford University Center for Youth Mental Health and Wellbeing. A Youth Advisory Committee was established to ensure that youth voice and experiences inform the development of allcove centers and their services. The allcove centers provide youth with access to holistic services including onsite mental health and substance abuse counseling, physical health care services, and linkages to education, housing, employment, as well as intensive treatment options.

#### SUICIDE PREVENTION

The Commission in November 2019 adopted Striving for Zero, the State's suicide prevention plan for 2020-2025. Young people disproportionately attempt suicide and young people of color are particularly at risk. Striving for Zero provides four specific actions the State and communities can take to advance a public health approach to suicide prevention: 1) Develop a networked infrastructure of organizations, resources and information; 2) reduce risk by promoting safe environments, resiliency and connectedness; 3) increase early identification and connection to services; and, 4) improve suicide-related services and supports.

The plan was prepared at the direction of AB 114 (Chapter 38, Statutes of 2017). The Commission conducted extensive public outreach and deep consultation with subject matter experts. The plan includes detailed recommendations and an action plan to reduce suicide, minimize harm to families and communities, and improve outcomes for survivors – including actions to address the risks to students and youth in general.

"The Commission is working with county leaders to partner with the committee and local youth to host regional idea labs..."



#### THE PREVENTION AND EARLY INTERVENTION PROJECT

Senate Bill 1004 (Chapter 843, Statutes of 2018) directed the Commission to establish priorities and a statewide strategy for prevention and early intervention services. This project is exploring opportunities to promote mental health and reduce factors that may prevent people with mental health needs from thriving. The goals of this exploration are to equip people, families, and communities and systems with information to expand effective prevention and early intervention strategies. Children and youth are prioritized in the legislation, with a focus on childhood trauma, youth outreach and engagement, early psychosis and mood disorder detection, and suicide prevention. This project is scheduled to be completed at the end of 2020.

#### **SUPPORTING TRANSFORMATIONAL CHANGE**

The Mental Health Services Act was crafted to support transformational change in mental health care and the Mental Health Services Oversight and Accountability Commission was given the authorities and the responsibilities to drive that change.

The principles outlined below indicate the need for transformational change in school mental health. Most importantly, the consequences of not protecting and meeting the needs of every child is simply unacceptable – morally, socially and economically. And new spending and programs alone will not produce the required improvements.

As a whole, the principles call for a reordering of priorities, the development of new and stronger partnerships, as well as the integration of resources, including facilities and funding; but most importantly professional staffs. Concerted effort is required to develop more strategic knowledge, rapidly transfer that knowledge into practice, iterate on services and interventions, and evaluate for continuous improvement.

An essential element of this transformational change will be the deep collaboration among community-scale governments and equal collaboration among state agencies that support and guide their efforts. This will require all public agencies to develop new capacities to innovate, execute, evaluate and improve strategies, programs and services.

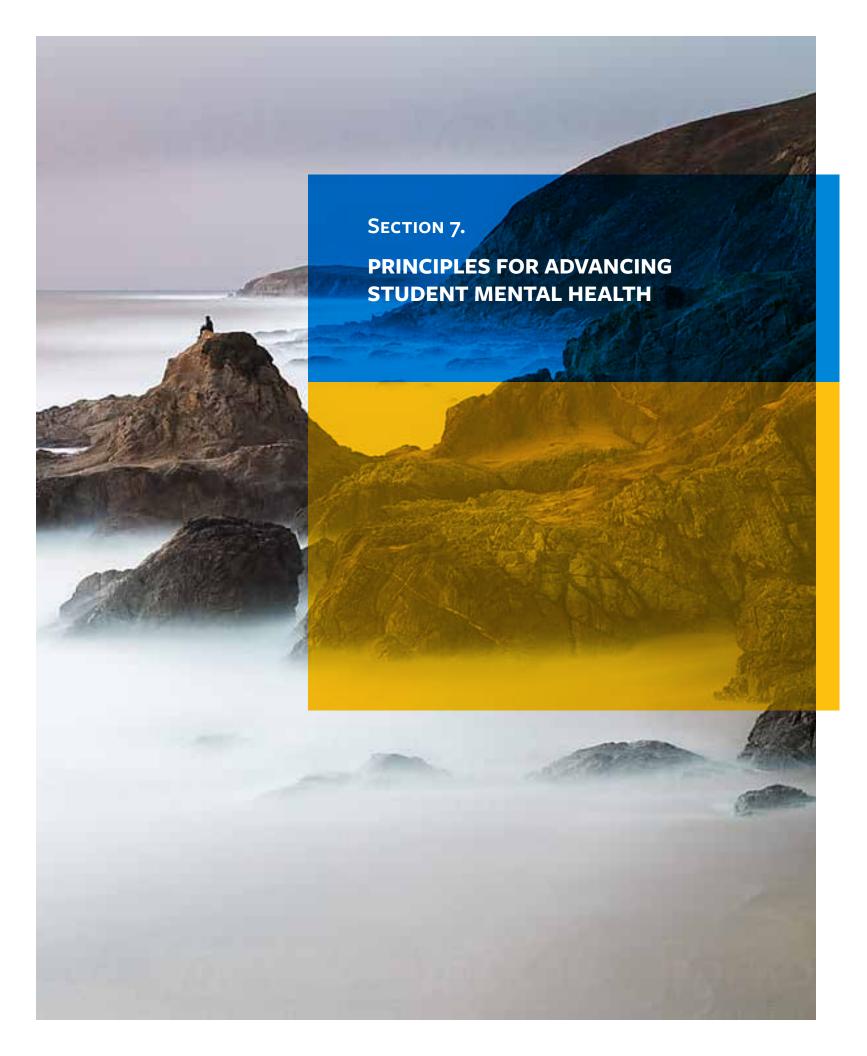
Toward these ends, the Commission can use its authorities and capacities in the following ways:

- Oversight and accountability. The "Transparency Suite" on the Commission's website will continually be improved so that policymakers, administrators, practitioners and parents can get information on how MHSA funds are being spent to prevent, intervene and treat mental health needs in children, and through schools in particular. Over time, more details on the programs and outcomes will be added.
- Program review and data collection. The Commissions will proactively review county Three-year MHSA, Innovation, and Prevention and Early Intervention plans for information and insights on the attributes, extent and impact of programs, and explore with counties and other partners how to accelerate the pace and scale of progress.
- Strategic projects. The Commission's review of the Prevention and Early Intervention strategies and priorities directed by SB 1004 will explicitly incorporate the information and insights gathered as part of this project. In addition to the guidance and recommendations promulgated from that review, the Commission will assess how to better align its program review and accountabilities functions to the goals of improving school mental health and children's mental health more broadly.
- Grant programs. The Commission will work with recipients of the Mental Health Wellness Act (Triage) grants and the Mental Health Student Services Act grants to determine how future investments can improve outcomes by building stronger partnerships, integrating services, braiding funds and evaluating programs for continuous improvements.

"The Commission
in November 2019
adopted Striving
for Zero, the State's
suicide prevention
plan for 2020- 2025."

The Commission also will continue to deploy its overall charge to advance mental wellbeing – and specifically the wellbeing of children and families – with the following activities:

- The Commission will convene mental health and education policymakers, experts and practitioners to understand and resolve issues that prevent progress.
   The Commission also will engage private and civic sector leaders, including researchers, health care providers, employers and community leaders to develop understanding and encourage innovation.
- The Commission will identify and resolve conflicts among policies, regulations, funding streams and cultures that slow or thwart efforts to develop human-centered services that cost-effectively meet the needs of individuals, families and communities.
- The Commission will support and evaluate servicelevel collaboratives striving to improve outcomes and learning collaboratives among enterprising counties and their partners.



To guide the system-level changes that are underway – and need to be accelerated – the Commission developed principles that distill the knowledge, wisdom and experience that are known and needed to fortify school mental health. These guiding principles are intended to inspire and inform the myriad of decisions being made by leaders in communities and at the state. Several next steps and opportunities also are defined, and the Commission forecasts the authorities and capacities that can be deployed to support a well-functioning system approach.

#### GUIDING PRINCIPLE 1. SCHOOLS SHOULD BE CENTERS OF WELLNESS AND HEALING

Schools, youth, families, and health systems must work together to promote student wellness. Through these efforts, all students should feel safe, valued, respected, and supported at school. In addition, the wellbeing of educators and school staff needs to be prioritized and supported along with training and preparation. To establish schools as centers of wellness and healing:

- Schools should be trauma-informed to mitigate trauma and toxic stress.
- Ensure each student has at least one adult at school they can trust and turn to for support.
- Establish social and emotional learning standards.
- Provide students with daily opportunities to strengthen wellness and resiliency skills.
- Provide students with access to "safe spaces" during times of stress and need.
- Develop workplace policies and encourage privatepublic partnerships to support school employee wellness
- Establish educator preparation and training programs to support student wellness.

#### "..all students should feel safe, valued, respected, and supported at school."

#### GUIDING PRINCIPLE 2. HEALTH AND EDUCATION MUST JOIN TOGETHER

School-health system collaborations are essential to support student and family wellness. School and county health services should be integrated into a comprehensive and seamless, continuum of support that is easily accessible to students and families. In this system, workforce capacity must be addressed for collaborations to be successful. Mental health personnel should be located on school campuses to enhance prevention and early intervention efforts, coordinate school-community collaboration, support teachers and staff, and connect students and families to additional community services when needed. To strengthen and deepen collaboration:

- Incentivize community collaboration.
- Leverage existing centers and networks to provide training and technical assistance to local communities to disseminate best practices and build sustainability.
- Address workforce shortages of mental health practitioners, particularly those from diverse communities.
- Improve ratios of mental health professionals-tostudents in schools.

# Every Young Heart And Mind: Schools As Centers Of Wellness

#### GUIDING PRINCIPLE 3. PREVENTION AND EARLY INTERVENTION MUST BE PRIORITIZED

Healthy mental, emotional, and behavioral development in early childhood is foundational for school readiness and success. Poverty, trauma, and other social determinants of health undermine healthy child and family development. Strengthening mental health promotion, prevention, and early intervention can build family resilience, promote healing, and reduce the prevalence and severity of mental health needs in society. Early and regular screenings are essential to a prevention and early intervention strategy. To enhance children's healthy development and reduce the risk of developing a mental health need:

- Increase access to prenatal and postpartum care, screen for maternal mood disorders, and provide linkage to services and supports.
- Provide home-visitation to families at risk.
- Increase early childhood screening and mental health consultation.
- Expand access to affordable housing, bolster food security, and increase transportation support.
- Increase family knowledge of parenting and healthy development.
- Give concrete support to families in times of need, expand social networks and deepen community connections
- Expand school entry health exam requirement to include mental health, trauma, and social determinants of health.
- Screen K-12 students regularly and at times of transition.

#### GUIDING PRINCIPLE 4. YOUTH AND FAMILIES MUST BE ENGAGED AND HAVE OWNERSHIP

Student wellbeing is inseparable from family wellbeing. Schools should engage with families, build and strengthen trust, and provide access to resources to strengthen family wellbeing. Youth and families should have leadership roles at all levels of decision-making and service delivery. Responsive and respectful services should be designed to promote equity and reduce disparities, support best practice models and community-defined strategies, and are rooted in cultural, linguistic, and LGBTQ competence. To put youth and families at the center of school wellness:

- Establish youth and family wellness councils to guide school planning and policy.
- Engage youth and parents in training and teaming for school mental health and wellness.
- · Recognize and address implicit bias.
- Engage with communities to develop positive discipline policies.
- Promote cultural understanding and humility, and provide culturally relevant community-wellness practices.

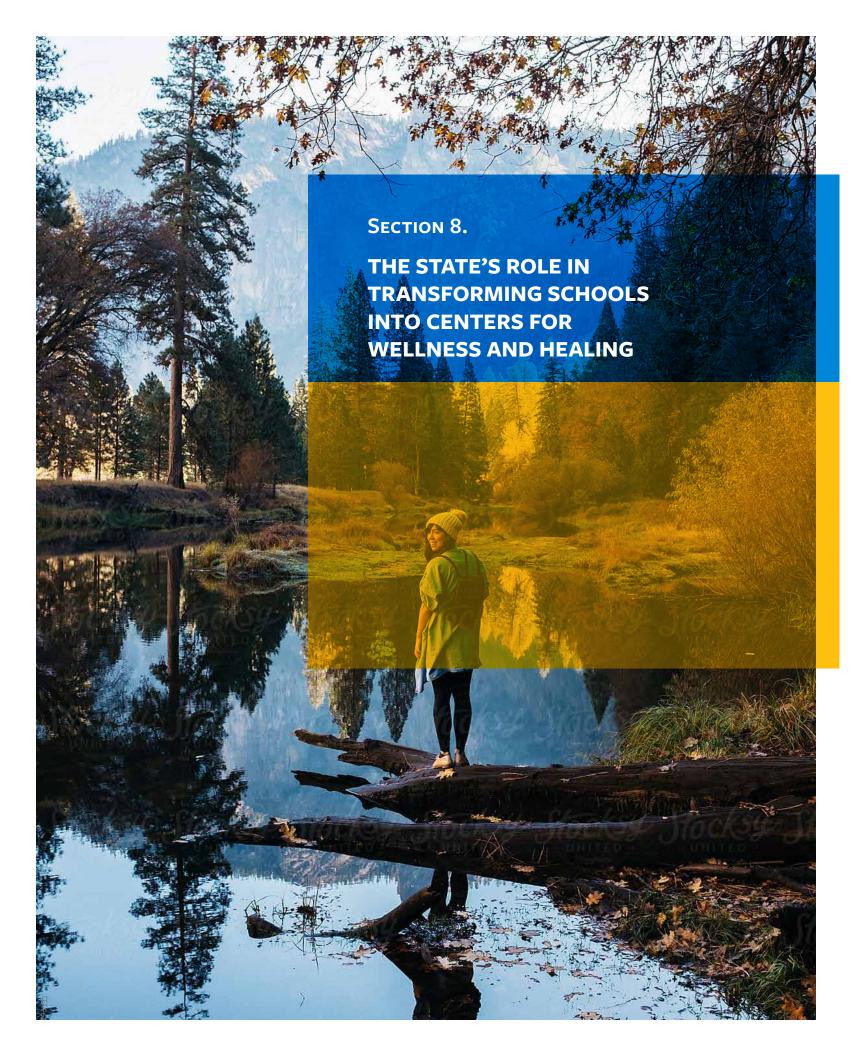
"Early and regular screenings are essential to a prevention and early intervention strategy."

### GUIDING PRINCIPLE 5. SUSTAINABLE FUNDING, CONTINUITY AND COLLABORATIVE LEADERSHIP IS CRITICAL TO MAKING SCHOOLS CENTERS OF WELLNESS AND HEALING

State Leadership is needed to align policies, funding, training and technical assistance to local communities and schools in developing sustainably funded, comprehensive school mental health services that prioritize prevention and early intervention. Community leadership should identify local needs, coordinate community strategic planning processes, and align resources, funding, and quality improvement efforts to ensure system ability. Data collection, evaluation and clear system-wide metrics are required for effective planning, decision-making, service delivery, communication, and quality improvement efforts. To institutionalize and sustain schools as centers of wellness and healing:

- Establish a leadership body of State agencies to develop a statewide action agenda in collaboration with local communities for advancing comprehensive school mental health and wellness systems.
- Support local and regional training, technical assistance, innovation, and sustainability.
- Establish local cross-system partnerships to support school readiness, student wellness, and academic success.
- Align MHSA Community Program Planning with Local Control and Accountability Plans (LCAPs) to improve student outcomes.
- Develop an integrated data system, linking education and mental health data to identify, develop, and monitor indicators of student mental health and wellness.
- Facilitate research and evaluation to inform decisionmaking at the state and local level.





he evidence is overwhelming that a significant investment in school mental health will advantage the next generation of Californians as they navigate a socially and economically dynamic world. The State's investment must provide additional services and build the adaptive and sustainable systems required to provide effective services.

California's initial investment in school mental health has revealed the need and the ambition of community stewards to address this need. Educators, health professionals and children's advocates are acting out of a sense of urgency to respond to the physical, emotional and developmental needs of children, which cannot be met with academic curriculum or teaching techniques alone. They are cobbling together the financial and professional resources, and applying and adapting emerging programs to stabilize children and families and to make learning possible. The response to the Commission's Triage and Mental Health Services Act grants have been several times the available resources.

The State's investments also have revealed the need to take a systemic approach. Schools, county behavioral health departments and other partners are developing programs based on their existing relationships, available knowledge and funding, and political will. Each is discovering and developing programs and services. Their efforts – and the return on the State's investment – would be significantly enhanced by peer-based learning and the development of comprehensive research-based models that are sustainable, impactful and adaptive from design.

#### Successful school and health system partnerships have common key elements:

- 1. Shared governance structures and accountability at all levels of decision making.
- 2. Needs assessment and resource mapping to identify school and community needs and resource availability.
- 3. Strategic financing models to braid diverse funding streams and draw down federal entitlement dollars.
- 4. Integrated data systems that enable better service delivery, evaluation and continuing improvement while complying with privacy rules.
- Strong and effective implementation and alignment of universal interventions, such as school climate, PBIS, social and emotional learning, universal screening, trauma-sensitive practices and restorative justice.
- 6. Integrated, multi-disciplinary teams at all administrative levels to implement and monitor services and supports.
- 7. A professional workforce equipped with the knowledge, preparation, training, and wellness to respond to student mental health needs.

"The response to the Commission's Triage and Mental Health Services Act grants have been several times the available resources."

The Butte County Office of Education and the Orange County Department of Education are the lead agencies for School Climate and scaling the multi-tiered system of support, which includes "positive behavior interventions and support, minimizing the use of emergency interventions, restorative justice, bullying prevention, social and emotional learning, trauma-informed practice, and cultural competency."

This structure – which is based on peer-learning with state support – could be augmented to help schools become centers of wellness and healing. Among the options would be to revise the scope of the lead agencies for School Climate to explicitly include mental health services, or to designate additional local agencies to facilitate refinement of models, training and capacity building, and coordination with state entities.

"...a significant investment to establish schools as centers for wellness and healing."

#### THE COMMISSION'S RECOMMENDATION

The State should make a significant investment to establish schools as centers for wellness and healing. This foundational investment will require a multi-year commitment to developing the model programs, the data and management systems and the workforce. It will require allocating more funding for services, and developing a sustainable funding strategy that links and leverages related funding and existing services. This foundational investment should be engineered to meet the following criteria:

**Sustainability.** The mental health needs of schoolchildren cannot effectively be met with time-limited grants provided only when state revenue exceeds the previous year's budget. The evidence is overwhelming that mental health is as essential as – and integral to – education itself. One-time funds can be used as start-up funds, to develop service systems, engineer ways to better tap into and align existing funds, including federal Medicaid funds, and develop proposals for ongoing funds.

**Impact.** Communities should be provided with expert assistance in designing well-functioning partnerships. The assistance should help local agencies develop effective school mental health systems and coordinate state actions to align funding and provide regulatory clarity.

**Adaptive.** Partnerships should be developed and supported to adapt, replicate and scale proven practices, as well as to evaluate and incorporate new scientific knowledge and experiential insights.

The State's foundational investment should be structured to meet the design criteria. Where possible, the State, local education agencies and counties should align existing funds. One-time funds could be structured to be spent over multiple years to leverage other funds and produce the sustainable system of services. The elements include:

**Model / program development.** Successful models have common attributes based on research, experience and evaluation. The governance, management and programs are adapted to the needs, characteristics and cultures of communities. The significant diversity in communities

and capacities requires a comprehensive effort to help all communities apply what is already known and develop the capacities required for effective services. The K-12 System of Support should be expanded and funded to provide this technical expertise to schools.

**Data and management**. Effective data and management systems are needed at both the community and the state level to provide quality services and to align policies and funding to enable communities to be efficient and effective. The K-12 System of Support should facilitate the local capacity for data and cross-system management with education and mental health systems, and facilitate ongoing policy evaluation at the state level.

Workforce. The Budget Act of 2019-20 allocated to the Office of Statewide Health Planning more than \$100 million in General Fund and funding from the MHSA Workforce Education and Training Program. OSHPD should be directed to work with county behavioral health and the K-12 System of Support to identify specific school-based workforce needs and allocate funding to students and educational providers.

**Funding.** The State needs to expeditiously spend available funds to initiate this effort and develop a sustainable funding system that will allow services to be provided in good and bad economic periods. The Governor and the Legislature should make a multi-year funding commitment for services, while also investing in system capacity and system sustainability. Among the considerations:

- Structure one-time funds to ramp up spending and then be reduced as ongoing funds are incorporated or created. Communities often are required to ramp up spending before they have developed programs, hired staff and developed management systems.
   Grant funds often run out when the programs are beginning to show impact. Spending should be coordinated and paced with capacity building activities.
- The State and K-12 System of Support should work together to develop and test options for braiding existing funds – including MHSA funds, additional Medicaid funding, and First Funds for younger siblings of children being served through schools. The State and communities must share the objective of achieving financial sustainability and pursue opportunities to create more flexibility from existing funds or to develop new funding sources.

# "Children come to school bearing the burden of societal ills.."

#### **CONCLUDING THOUGHTS**

Although this project began with a focus on student mental health, it expanded to include early childhood mental health and trauma. What happens to children prior to entering formal schooling matters. Children's social and emotional health and ability to self-regulate are critical to school readiness and later school success.

Children come to school bearing the burden of societal ills such as poverty, racism and discrimination, and intergenerational trauma. Strengthening local coordination of prevention and early identification can reduce the risk of trauma exposure, identify emerging mental health issues, and ensure timely intervention when needed.

Establishing schools as centers for wellness and healing through partnerships with health systems and robust family engagement can effectively support the needs of all children and prepare them "to live, work and thrive." With proper leadership, planning, collaboration, training and technical assistance, California has the opportunity to become a national leader in school mental health with an innovative whole-child agenda, ensuring our state's next generation is prepared for success.

## APPENDIX A: EXAMPLES OF EARLY CHILDHOOD MHSA PROGRAMS

#### SHASTA COUNTY ADVERSE CHILDHOOD EXPERIENCES (ACES)

Shasta County has leveraged PEI funds to support
Shasta Strengthening Families, a local effort involving
30 agencies to strategically and collaboratively address
adverse experiences. Shasta County residents have
higher rates of adverse childhood experiences than the
state's average. Forty percent of Shasta County adults
report four or more experiences compared to 17 percent
of adults statewide. The collaborative fosters greater
partnerships and seamless service delivery across
family-service agencies and medical providers. To raise
awareness about trauma in different communities, the
collaborative has hosted annual ACEs town halls.

#### YOLO COUNTY'S EARLY ACCESS AND SCREENING PROGRAM

Yolo County's Early Access and Screening Program provides universal, developmental and behavioral health screening to parents and their children, birth to 5. Less than a third of California's children receive timely developmental, behavioral, and other health screenings from a health care provider; ranking California 30th in the nation. Screening rates are even lower for children of color. According to First 5 California, the screenings that are completed typically do not include a formal, structured assessment of a child's trauma history, mental health, or social and emotional functioning.

The Yolo program represents the first time that services for children, birth to 5 were included in the county's MHSA three-year plan. The program is a partnership with First 5 Yolo, which matches every PEI dollar to implement Help Me Grow (HMG). HMG aligns community resources to identify young children at risk, links families to services, and empowers families to support their child's development. HMG educates and encourages health care providers to conduct systematic screening of young children, and provides a centralized access point for providers, families and others to obtain information, support, and referrals.

#### MARIN COUNTY'S EARLY CHILDHOOD PROGRAMS

In Marin County, MHSA PEI funds are used to support Early Childhood Mental Health Consultation (ECMHC) in subsidized preschools and childcare sites in the region. ECMH is a prevention-based service to build the capacity of families and early care providers to support the social and emotional health of infants and young children and reduce challenging behaviors early before intervention is needed. A mental health consultant provides training, coaching, and consultation in different settings where children grow and learn - childcare, preschool, or in their home. Marin County also uses PEI dollars to support the implementation of an evidence-based positive parenting and family support system (Triple P) through training and technical assistance across settings and providers (mental health, primary care, schools, and family advocates). Triple P is designed to prevent and treat emotional and behavioral needs in children fostering healthy and positive family environments that help children realize their potential.

#### **IMPERIAL COUNTY'S INNOVATION PROGRAM**

Imperial County's Behavioral Health System Innovation Plan provides services in school settings to children ages 4 to 6 who are at risk for social and emotional needs. This partnership is based on implementation of First Steps to Success, an evidence-based intervention designed to help children improve their social and emotional skills at school and home. First Steps to Success has traditionally been implemented by school staff. Imperial's Innovation Plan embeds mental health staff in kindergarten and transitional kindergarten classrooms to coach students and provide ongoing consultation and support to teachers. This arrangement builds relationships across separate systems, and also provides children and family with links to community resources when needed.

## Appendix B: School Mental Health and Wellness Models

#### PROJECT CAL-WELL: FEDERAL FUNDS SUPPORT STATE LEADERSHIP AND AWARENESS

California was one of 20 states awarded a five-year federal grant in 2014 to support expansion of school mental health. The grant – Advancing Wellness and Resilience in State Educational Agency (AWARE) – is funded under SAMHSA's Now is the Time Project. Project Cal-Well is led by the Department of Education in partnership with ABC Unified School District in Los Angeles County, Garden Grove School District in Orange County, and San Diego County Office of Education.

Project Cal-Well is working to increase mental health awareness in schools and communities, promote a positive school climate, and increase access to mental health services and supports in schools and communities through partnerships and system collaboration. Schools in Project Cal-Well have implemented schoolwide activities for all students that include positive behavioral interventions and support (PBIS), restorative justice, and social-emotional learning. They also have provided professional development training to educators and community members so they can recognize and support students who show signs and symptoms of mental health needs.

Since implementation of Project Cal-Well, schools have been able to hire additional specialized instructional support personnel and have markedly increased student utilization of mental health services and supports on school campuses. Schools also have increased school connectedness among students (feeling safe, close to people, and happy at school) and decreased suicide ideation, drug and alcohol use, and suspensions and expulsions.

#### UNCONDITIONAL EDUCATION MODEL: IMPLEMENTING A MULTI-TIERED SYSTEM

Another approach is Seneca's Unconditional Education model. Seneca provides statewide educational, behavioral and mental health services to children and families. The Unconditional Education model arose out Seneca's long history working with children in foster care and group homes settings and the belief that children do not fail, but systems fail children.

Unconditional Education represents a paradigm shift from a traditional model of service delivery in which students must be referred to special education or mental health services, and those services are delivered by specialists in different settings. In the Unconditional Education model, integrated and coordinated services are available to all students. Love, compassion and respect are at the heart of the model. The belief that each student has the potential to succeed if adults and professionals take the time to understand both their past and current needs, and tailor, individualized services in response.

The Commission visited an elementary school in Alameda County where the Unconditional Education model had been implemented. Grant Elementary serves over 500 students in Kindergarten through 6th grade; the majority of whom are English Language Learners and live in families with incomes below the federal poverty level. Principal Farnaz Heydari said prior to implementation of the model, parents were not involved with school activities and some had even been banned from the school campus. She said that teachers were given limited support and often took on the trauma of their students. School suspensions and expulsions were commonplace.

# Every Young Heart And Mind: Schools As Centers Of Wellness

## APPENDIX B: SCHOOL MENTAL HEALTH AND WELLNESS MODELS

Seneca assigned a full-time site coach to the school to implement a tiered intervention strategy using a PBIS framework. The site coach worked with the school to establish and facilitate teams including a community partnership team to improve the coordination of services between school staff and community providers. Principal Heydari emphasized that community partnerships are a core component for transformational change at her school. The teams established a common understanding of student mental health needs and goals for the both the school and the students, monitored student progress and outcomes, and linked students to appropriate services. Data cards were created for school staff with information about each student; colorcoding note those students in need of more intensive support or services. This and other information were used by a multi-disciplinary team of professionals to make decisions about which students might benefit from targeted or intensive services. After the first year of implementation, school suspensions were down, and teachers reported improvement in student behavior.

#### OTHER RECOGNIZED LEADERS IN SCHOOL-COUNTY PARTNERSHIPS

Several communities in California are making great strides in working together to support the mental health and wellbeing of children and families. These efforts began simply through relationships – conversations, dialogue building trust, and making commitment to work together. Positive working relationship are at the heart of successful partnerships. The following provide a brief summary of such efforts:

- Fresno County is among a growing number of counties leveraging the strength of local partnerships to collectively respond to student challenges. All 4 Youth is a \$110 million campaign involving the Fresno County Behavioral Health Department, the Fresno County Office of Education, and local school districts and schools. The goal is to increase access to mental health services for all children regardless of Medi-Cal eligibility and insurance coverage, and to provide flexible, family-driven mental health services in the school, community, or home. Mental health clinicians are being phased into every school in the county over five years.
- In Monterey County, the County Office of Education and the Behavioral Health Department established a team of leaders from school districts, community providers, public health, child welfare, probation and a local university as a way to connect the systems

that touch children and families and provide a county-wide continuum of mental health services. County mental health clinicians are embedded in schools and can provide mental health training, coaching, consultation and direct services. The school-based clinicians are connected through the collaborative to every part of the system of care in the community to provide seamless, coordinated services and supports.

- **Placer County** has a long history of bringing agencies together as part of a multidisciplinary team of professionals to form a children's system of care. Recently, Placer County Health and Human Services and Placer County Office of Education have recently established school-based Wellness Centers similar to models in San Francisco and Napa Valley unified school districts. The Wellness Centers are intended to deepen the existing county-wide education, mental health, child welfare, probation, and community partnerships to provide a full continuum of mental health services to students and families. Each Wellness Center is staffed by a school social worker, family/youth/community liaison, and other school staff including school counselors, school psychologists, and nurses to meet mental health needs of students and families inside and outside of school. The Wellness Centers also serve as a resource hub for the community and are open before and after-school hours to serve working families.
- In San Bernardino County, the children's mental health system is shaped by the characteristics of the region - a large rural area with high rates of poverty. The Desert/Mountain Special Education Local Plan Area (SELPA) is a consortium of school districts and charters schools formed to provide mental health services to children at school because of the difficulty in transporting children to county mental health and child welfare offices. Desert Mountain SELPA was able to expand services in schools by entering into a contract with the San Bernardino County Department of Mental Health to provide school-based Early Periodic, Screening, Diagnosis, and Treatment (EPSDT) mental health services for children eligible for Medi-Cal. Hence, the Desert/ Mountain Children's Center was established under the administrative umbrella of the Office of San Bernardino County Superintendent of Schools. Other programs followed including the first screening, assessment, referral, and treatment (SART) clinic in the county that was funded primarily through EPSDT funds from the county with a local match from First 5.

# Every Young Heart And Mind: Schools As Centers Of Wellness

REFERENCES

- Karasek R, Theorell T. Healthy Work. New York: Basic Books, Inc.; 1990.
- Siegrist J. Adverse Health Effects of High Effort-Low Reward Conditions at Work. Journal of Occupational Health Psychology 1996;1:27-43.
- Stansfeld S, Candy B. Psychosocial work environment and mental health--a meta-analytic review. Scand J Work Environ Health 2006;32:443-62.
- Theorell T, Hammarstrom A, Aronsson G, et al. A systematic review including meta-analysis of work environment and depressive symptoms. BMC Public Health 2015;15:738.
- Nieuwenhuijsen K, Bruinvels D, Frings-Dresen M. Psychosocial work environment and stress-related disorders, a systematic review. Occup Med (Lond) 2010;60:277-86.
- Lerner D, Adler DA, Rogers WH, et al. Work performance of employees with depression: the impact of work stressors. Am J Health Promot 2010;24:205-13.
- Nieuwenhuijsen K, Faber B, Verbeek JH, et al. Interventions to improve return to work in depressed people. Cochrane Database Syst Rev 2014:CD006237.
- Zwerling C, Whitten PS, Sprince NL, et al. Workplace accommodations for people with disabilities: National Health Interview Survey Disability Supplement, 1994-1995. J Occup Environ Med 2003;45:517-25.
- Dewa CS, Hoch JS. Barriers to Mental Health Service Use Among Workers With Depression and Work Productivity. J Occup Environ Med 2015;57:726-31.
- McDowell C, Fossey E. Workplace accommodations for people with mental illness: a scoping review. J Occup Rehabil 2015;25:197-
- Mojtabai R, Olfson M, Sampson NA, et al. Barriers to mental health treatment: results from the National Comorbidity Survey Replication. Psychol Med 2011;41:1751-61.
- Yanos PT. Written Off Mental Health Stigma and the Loss of Human Potential. Cambridge: Cambridge University Press; 2018.
- Dewa CS. Worker attitudes towards mental health problems and disclosure. Int J Occup Environ Med 2014;5:175-86.
- von Schrader S, Malzer V, Bruyere S. Perspectives on Disability Disclosure: The Importance of Employer Practices and Workplace Climate. Employee Responsibilites and Rights Journal 2014;26:237-55.
- Jones AM. Disclosure of Mental Illness in the Workplace: A Literature Review. American Journal of Psychiatric Rehabilitation 2011;14:212-26.
- Dimoff JK, Kelloway EK. With a little help from my boss: The impact of workplace mental health training on leader behaviors and employee resource utilization. J Occup Health Psychol 2019;24:4-19.
- Hanisch SE, Twomey CD, Szeto AC, Birner UW, Nowak D, Sabariego C. The effectiveness of interventions targeting the stigma of mental illness at the workplace: a systematic review. BMC Psychiatry 2016;16:1.

- Shann C. Martin A. Chester A. Ruddock S. Effectiveness and application of an online leadership intervention to promote mental health and reduce depression-related stigma in organizations. J Occup Health Psychol 2019;24:20-35.
- Dobson KS, Szeto A, Knaak S. The Working Mind: A Meta-Analysis of a Workplace Mental Health and Stigma Reduction Program. Can J Psychiatry 2019;64:39S-47S.
- Dewa CS, Hoch JS. When could a stigma program to address mental illness in the workplace break even? Can J Psychiatry 2014;59:S34-9.
- 21. Fultz E. Disability Insurance in the Netherlands: A Blueprint for U.S. Reform? Washington, D.C.: Center on Budget and Policy Priorities;
- 22. Dewa CS, Trojanowski L, Joosen MC, Bonato S. Employer Best Practice Guidelines for the Return to Work of Workers on Mental Disorder-Related Disability Leave: A Systematic Review. Can J Psychiatry 2016;61:176-85.
- World Health Organization. Mental Health Action Plan for Europe. Facing the Challenges, Building Solutions. Copenhagen: World Health Organization; 2005 14 January.
- European Pact for Mental Health and Wellbeing. Commission of the European Communities, 2008. (Accessed October 1, 2009, at http://ec.europa.eu/health/ph\_determinants/life\_style/mental/ docs/pact\_en.pdf.)
- The Standing Senate Committee on Social Affairs SaT. Out of the Shadows at Last Transforming Mental Health, Mental Illness and Addiction Services in Canada. Ottawa: The Senate: 2006.
- Canadian Standards Association, Bureau de normalisation du Quebec. Psychological Health and Safety in the Workplace --Prevention, Promotion, and Guidance to Staged Implementation. Mississauga: Canadian Standards Association Bureau de normalisation du Quebec; 2013.
- Whiteford HA, Degenhardt L, Rehm J, et al. Global burden of disease attributable to mental and substance use disorders: findings from the Global Burden of Disease Study 2010. Lancet 2013;382:1575-86.
- US Burden of Disease Collaborators, Mokdad AH, Ballestros K, et al. The State of US Health, 1990-2016: Burden of Diseases, Injuries, and Risk Factors Among US States. JAMA 2018;319:1444-72.
- Substance Abuse and Mental Health Services Administration. Key Substance Use and Mental Health Indicators in the United States: Results from the 2017 National Survey on Drug Use and Health. Rockville, MD: Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration; 2018.
- Bloom DE, Cafiero ET, Jané-Llopis E, et al. The Global Economic Burden of Noncommunicable Diseases, Geneva: World Economic Forum: 2011.
- Hassard J, Teoh KRH, Visockaite G, Dewe P, Cox T. The Cost of Work-Related Stress to Society: A Systematic Review. Journal of Occupational Health Psychology 2018;23:1-17.
- Greenberg PE, Fournier AA, Sisitsky T, Pike CT, Kessler RC. The economic burden of adults with major depressive disorder in the United States (2005 and 2010). J Clin Psychiatry 2015;76:155-62.

- Konig H, Konig HH, Konnopka A. The excess costs of depression: a systematic review and meta-analysis. Epidemiol Psychiatr Sci 2019:1-16.
- Dewa CS, McDaid D, Ettner SL. An International Perspective on Worker Mental Health Problems: Who Bears the Burden and How Are Costs Addressed? Can J Psychiatry 2007;52:346-56.
- Grzywacz J, Ettner SL. Lost Time on the Job: The Effect of Depression versus Physical Health Conditions. The Economics of Neuroscience 2000;2::41-6.
- 36. Dewa CS, Lin E. Chronic physical illness, psychiatric disorder and disability in the workplace. Soc Sci Med 2000;51:41-50.
- Hendriks SM, Spijker J, Licht CM, et al. Long-term work disability and absenteeism in anxiety and depressive disorders. J Affect Disord 2015;178:121-30.
- Bokma WA, Batelaan NM, van Balkom AJ, Penninx BW. Impact of Anxiety and/or Depressive Disorders and Chronic Somatic Diseases on disability and work impairment. J Psychosom Res 2017;94:10-6.
- Stewart WF, Ricci JA, Chee E, Hahn SR, Morganstein D. Cost of lost productive work time among US workers with depression. JAMA 2003;289:3135-44.
- Sanderson K. Andrews G. Common mental disorders in the workforce: recent findings from descriptive and social epidemiology. Can J Psychiatry 2006;51:63-75.
- Lim D, Sanderson K, Andrews G. Lost productivity among fulltime workers with mental disorders. J Ment Health Policy Econ 2000;3:139-46.
- 42. Kessler RC, Ormel J, Demler O, Stang PE. Comorbid mental disorders account for the role impairment of commonly occurring chronic physical disorders: results from the National Comorbidity Survey. J Occup Environ Med 2003;45:1257-66.
- Evans-Lacko S, Knapp M. Global patterns of workplace productivity for people with depression: absenteeism and presenteeism costs across eight diverse countries. Soc Psychiatry Psychiatr Epidemiol 2016;51:1525-37.
- 44. Wang PS, Beck AL, Berglund P, et al. Effects of major depression on moment-in-time work performance. Am J Psychiatry 2004;161:1885-91.
- Lerner D, Henke RM. What does research tell us about depression, job performance, and work productivity? J Occup Environ Med 2008;50:401-10.
- Lerner D, Adler DA, Chang H, et al. Unemployment, job retention, and productivity loss among employees with depression. Psychiatr Serv 2004;55:1371-8.
- Theis KA, Roblin DW, Helmick CG, Luo R. Prevalence and causes of work disability among working-age U.S. adults, 2011-2013, NHIS. Disabil Health J 2018;11:108-15.
- Zaidel CS, Ethiraj RK, Berenji M, Gaspar FW. Health Care Expenditures and Length of Disability Across Medical Conditions. J Occup Environ Med 2018;60:631-6.
- Adler DA, McLaughlin TJ, Rogers WH, Chang H, Lapitsky L, Lerner D. Job performance deficits due to depression. Am J Psychiatry 2006;163:1569-76.

- 50. Conti DJ, Burton WN. The economic impact of depression in a workplace. J Occup Med 1994;36:983-8.
- 51. Druss BG, Marcus SC, Rosenheck RA, Olfson M, Tanielian T, Pincus HA. Understanding disability in mental and general medical conditions. Am J Psychiatry 2000;157:1485-91.
- Burton WN, Conti DJ. Use of an Integrated Health Data Warehouse to Measure the Employer Costs of Five Chronic Disease States. Disease Management 1998;1:17-26.
- Dewa CS, Chau N, Dermer S. Examining the comparative incidence and costs of physical and mental health-related disabilities in an employed population. J Occup Environ Med 2010;52:758-62.
- 54. Lotters F, Hogg-Johnson S, Burdorf A. Health status, its perceptions, and effect on return to work and recurrent sick leave. Spine (Phila Pa 1976) 2005;30:1086-92.
- Rytsala HJ, Melartin TK, Leskela US, Sokero TP, Lestela-Mielonen PS, Isometsa ET. Functional and work disability in major depressive disorder. J Nerv Ment Dis 2005;193:189-95.
- Dewa CS, Chau N, Dermer S. Factors associated with short-term disability episodes. J Occup Environ Med 2009;51:1394-402.
- Gaspar FW, Zaidel CS, Dewa CS. Rates and predictors of recurrent work disability due to common mental health disorders in the United States. PLoS One 2018;13:e0205170.
- Andrews G. Reducing the burden of depression. Can J Psychiatry 2008;53:420-7.
- Brown J, Reetoo KN, Murray KJ, Thom W, E BM. The involvement of occupational health services prior to ill-health retirement in NHS staff in Scotland and predictors of reemployment. Occup Med (Lond) 2005;55:357-63.
- 60. Karpansalo M, Kauhanen J, Lakka TA, Manninen P, Kaplan GA, Salonen JT. Depression and early retirement: prospective population based study in middle aged men. J Epidemiol Community Health 2005;59:70-4.
- 61. Harkonmaki K, Lahelma E, Martikainen P, Rahkonen O, Silventoinen K. Mental health functioning (SF-36) and intentions to retire early among ageing municipal employees: the Helsinki Health Study. Scand J Public Health 2006;34:190-8.
- 62. Lamberg T, Virtanen P, Vahtera J, Luukkaala T, Koskenvuo M. Unemployment, depressiveness and disability retirement: a follow-up study of the Finnish HeSSup population sample. Soc Psychiatry Psychiatr Epidemiol 2010;45:259-64.
- 63. Nexo MA, Borg V, Sejbaek CS, Carneiro IG, Hjarsbech PU, Rugulies R. Depressive symptoms and early retirement intentions among Danish eldercare workers: Cross-sectional and longitudinal analyses. BMC Public Health 2015;15:677.
- 64. Doshi JA, Cen L, Polsky D. Depression and retirement in late middle-aged U.S. workers. Health Serv Res 2008;43:693-713.
- 65. Dewa CS, Hoch JS, Lin E, Paterson M, Goering P. Pattern of antidepressant use and duration of depression-related absence from work. Br J Psychiatry 2003;183:507-13.
- 66. Waddell G, Burton K, Aylward M. Work and common health problems. J Insur Med 2007;39:109-20.

- 67. Kendler KS, Gardner CO, Prescott CA. Toward a comprehensive developmental model for major depression in women. Am J Psychiatry 2002;159:1133-45.
- 68. Dembe AE. Work Disability in the United States: A Fragmented System. In: MacEachen E, ed. The Science and Politics of Work Disability Prevention. New York: Routledge; 2019.
- 69. Hausser JA, Mojzisch A, Niesel M, Schulz-Hardt S. Ten Years On: A Review of Recent Research on Job Demand-Control (-Support) Model and Psychological Well-Being. Work and Stress 2010;24:1-35.
- Loisel P, Buchbinder R, Hazard R, et al. Prevention of work disability due to musculoskeletal disorders: the challenge of implementing evidence. J Occup Rehabil 2005;15:507-24.
- 71. Loisel P. Reflections on the Sherbrooke Model and the Way
  Forward for Work Disability Prevention. In: MacEachen E, ed. The
  Science and Politics of Work Disability Prevention. New York:
  Routledge; 2019.
- Siegrist J. The Effort-Reward Imbalance Model. In: Cooper CI, Quick JC, eds. The Handbookd of Stress and Health: A Guide to Research and Practice, First Edition. New York: Wiley and Sons, Ltd.; 2017.
- 73. Kubicek B, Paskvan M, Bunner J. The Bright and Dark Sides of Job Autonomy. In: Korunka C, Kubicek B, eds. Job Demands in a Changing World of Work Impact on Workers' Health and Performance and Implications for Research and Practice. Cham, Switzerland: Springer International Publishing; 2017.
- 74. Schaufeli WB, Taris TW. A Critical Review of the Job Demand-Resources Model: Implications for Improving Work and Health. In: Bauer GF, Hammig O, eds. Bridging Occupational, Organizational and Publc Health A Transdisciplinary Approach. New York: Springer Science+Business Media; 2014.
- 75. Schieman S, Whitestone YK, Van Gundy K. The nature of work and the stress of higher status. J Health Soc Behav 2006;47:242-57.
- Schieman S, Reid S. Job authority and health: unraveling the competing suppression and explanatory influences. Soc Sci Med 2009;69:1616-24.
- 77. Shields M. Stress, health and the benefit of social support. Health Reports 2004;15:9-38.
- 78. Torquati L, Mielke Gl, Brown WJ, Burton NW, Kolbe-Alexander TL. Shift Work and Poor Mental Health: A Meta-Analysis of Longitudinal Studies. Am J Public Health 2019;109:e13-e20.
- Dewa CS, Thompson AH, Jacobs P. Relationships between job stress and worker perceived responsibilities and job characteristics. Int J Occup Environ Med 2011;2:37-46.
- 80. de Croon EM, Sluiter JK, Frings-Dresen MH. Psychometric properties of the Need for Recovery after work scale: test-retest reliability and sensitivity to detect change. Occup Environ Med 2006;63:202-6.
- 81. Schuring M, Sluiter JK, Frings-Dresen MH. Evaluation of top-down implementation of health regulations in the transport sector in a 5-year period. Int Arch Occup Environ Health 2004;77:53-9.

- 82. Sluiter JK, de Croon EM, Meijman TF, Frings-Dresen MH. Need for recovery from work related fatigue and its role in the development and prediction of subjective health complaints. Occup Environ Med 2003;60 Suppl 1:i62-70.
- 83. Stynen D, Jansen NW, Kant I. The Impact of Depression and Diabetes Mellitus on Older Workers' Functioning. Journal of Psychosomatic Research 2015;79:604-13.
- 84. de Vries G, Koeter MW, Nieuwenhuijsen K, Hees HL, Schene AH. Predictors of impaired work functioning in employees with major depression in remission. J Affect Disord 2015;185:180-7.
- 85. Nieuwenhuijsen K, Sluiter JK, Dewa CS. Need for Recovery as an Early Sign of Depression Risk in a Working Population. J Occup Environ Med 2016;58:e350-e4.
- 86. Demerouti E, Mostert K, Bakker AB. Burnout and work engagement: a thorough investigation of the independency of both constructs. J Occup Health Psychol 2010;15:209-22.
- North F, Syme SL, Feeney A, Head J, Shipley MJ, Marmot MG. Explaining socioeconomic differences in sickness absence: the Whitehall II Study. BMJ 1993;306:361-6.
- 88. Unger D, Kregel J. Employers' knowledge and utilization of accommodations. Work 2003;21:5-15.
- 89. Follmer KB, Jones KS. Mental Illness in the Workplace: An Interdisciplinary Review and Organizational Research Agenda. Journal of Management 2018;44:325-51.
- Dewa CS, Hoch JS, Nieuwenhuijsen K, Parikh SV, Sluiter JK.
   Toward Effective Work Accommodations for Depression:
   Examining the Relationship Between Different Combinations of Depression Symptoms and Work Productivity Losses. J Occup Environ Med 2019;61:75-80.
- 91. Thornicroft G, Rose D, Kassam A, Sartorius N. Stigma: ignorance, prejudice or discrimination? Br J Psychiatry 2007;190:192-3.
- Link BG, Phelan JC, Bresnahan M, Stueve A, Pescosolido BA. Public conceptions of mental illness: labels, causes, dangerousness, and social distance. Am J Public Health 1999;89:1328-33.
- Crisp AH, Gelder MG, Rix S, Meltzer HI, Rowlands OJ.
   Stigmatisation of people with mental illnesses. Br J Psychiatry 2000;177:4-7.
- 94. Tse S. What do employers think about employing people with experience of mental illness in New Zealand workplaces? Work 2004;23:267-74.
- 95. Freeman D, Cromwell C, Aarenau D, Hazelton M, Lapinte M. Factors Leading to Successful Work Integration of Employees Who Have Experienced Mental Illness. Employee Assistance Quarterly 2004;19:51-8.
- 96. Deuchert E, Kauer L, Meisen Zannol F. Would you train me with my mental illness? Evidence from a discrete choice experiment. J Ment Health Policy Econ 2013;16:67-80.
- 97. Brohan E, Thornicroft G. Stigma and discrimination of mental health problems: workplace implications. Occup Med (Lond) 2010;60:414-5.

- 98. Brohan E, Henderson C, Wheat K, et al. Systematic review of beliefs, behaviours and influencing factors associated with disclosure of a mental health problem in the workplace. BMC Psychiatry 2012;12:11.
- 99. Clement S, Schauman O, Graham T, et al. What is the impact of mental health-related stigma on help-seeking? A systematic review of quantitative and qualitative studies. Psychol Med 2015;45:11-27.
- 100. Corrigan PW, Rao D. On the self-stigma of mental illness: stages, disclosure, and strategies for change. Can J Psychiatry 2012;57:464-9.
- 101. Allen S, Carlson G. Psychosocial themes in durable employment transitions. Work 2003;20:185-97.
- 102. Evans-Lacko S, Knapp M. Importance of social and cultural factors for attitudes, disclosure and time off work for depression: findings from a seven country European study on depression in the workplace. PLoS One 2014;9:e91053.
- 103. Ellison ML, Russinova Z, MacDonald-Wilson KL, Lyass A. Patterns and Correlates of Workplace Disclosure Among Professionals and Managers with Psychiatric Conditions. Journal of Vocational Rehabilitation 2003;18:3-13.
- 104. Mackay CJ, Cousins R, Kelly PJ, Lee S, McCaig RH. "Management Standards" and Work-Related Stress in the UK: Policy Background and Science. Work and Stress 2004;18:91-122.
- 105. Cousins R, Mackay CJ, Clarke SD, Kelly C, Kelly PJ, McCaig RH. "Management Standards" and Work-Related Stress in the UK: Practical Development. Work and Stress 2004;18:113-36.
- 106. Kompier M. Does the "Management Standards" Approach Meet Standard? Work and Stress 2004;18:137-9.
- 107. UK Health and Safety Executive. Tackling Work-Related Stress Using the Management Standards Approach A Step-By-Step Workbook. Norwich: The Stationery Office; 2017.
- 108. United Kingdom Health and Safety Executive. (Accessed November 1, 2019, at http://www.hse.gov.uk.)
- 109. Brookes K, Limbert C, Deacy C, O'Reilly A, Scott S, Thirlaway K. Systematic review: work-related stress and the HSE management standards. Occup Med (Lond) 2013;63:463-72.
- 110. Kerr R, McHugh M, McCrory M. HSE management standards and stress-related work outcomes. Occup Med (Lond) 2009;59:574-9.
- 111. Marcatto F, Colautti L, Larese Filon F, Luis O, Ferrante D. The HSE Management Standards Indicator Tool: concurrent and construct validity. Occup Med (Lond) 2014;64:365-71.
- 112. Kazi A, Haslam CO. Stress management standards: a warning indicator for employee health. Occup Med (Lond) 2013;63:335-40.
- 113. Stevenson D, Farmer P. Thriving at Work The Stevenson/ Farmer Review of Mental Health and Employers. London: UK Government; 2017.

- 114. World Health Organization. PRIMA-EF: Guidance on the European Framework for Psychosocial Risk Management: A Resource for Employers and Work Representatives. United Kingdom: World Health Organization; 2008.
- 115. European Commission. Guidance on Risk Assessment at Work. Brussels: European Commission; 1996.
- World Health Organization. Health Promotion Glossary.
   Geneva: World Health Organization; 1998.
- 117. Sheikh MS, Smail-Crevier R, Wang J. A Cross-Sectional Study of the Awareness and Implementation of the National Standard of Canada for Psychological Health and Safety in the Workplace in Canadian Employers. Can J Psychiatry 2018;706743718772524.
- 118. Kalef L, Rubin C, Malachowski C, Kirsh B. Employers'
  Perspectives on the Canadian National Standard for
  Psychological Health and Safety in the Workplace. Employee
  Responsibilities and Rights Journal 2016;28:101-12.
- 119. Kunyk D, Craig-Broadwith M, Morris H, Diaz R, Reisdorfer E, Wang J. Employers' perceptions and attitudes toward the Canadian national standard on psychological health and safety in the workplace: A qualitative study. Int J Law Psychiatry 2016;44:41-7.
- 120. Mental Health Commission of Canada. Case Study Research Project Findings. Ottawa: Mental Health Commission of Canada; 2017.
- 121. OSH in the Netherlands. 2019. (Accessed Nov 14, 2019, at https://www.arboineuropa.nl/en/arbo-in-the-netherlands.)
- 122. de Rijk A. Work Disability Prevention in the Netherlands: A Key Role for Employers. In: MacEachen E, ed. The Science and Politics of Work Disability Prevention. New York: Routledge; 2019.
- 123. van Sonsbeek J, Gradus R. Estimating the Effects of Recent Disability Reforms in The Netherlands. Amsterdam: Tinbergen Institute: 2011.
- 124. Kopnina H, Haafkens JA. Disability Management: Organizational Diversity and Dutch Employment Policy. Journal of Occupational Rehabilitation 2010;20:247-55.