## National Collaborative on Education + Health

## **Leading Health Conditions Impacting Student Attendance**

Central to the connection between health and learning is students attending schools. Many students have one or more health problems that compromise their ability to learn and put them at risk for missing school. The prevalence of many of these conditions, including both physical and behavioral health conditions, has increased significantly over the past two decades. This has implications not only for children's long-term health but also for their opportunities to learn and succeed at school. The chart below identifies health conditions that have high prevalence among children, disproportionately impact children of color and have a direct impact on student attendance. Fortunately, research shows that there are proven or promising school-based programs to address each of these health conditions.

This chart was prepared by the National Collaborative on Education and Health, an initiative co-convened by Healthy Schools Campaign and Trust for America's Health that is working to transform the health and education sectors to support the conditions of health in schools across the country. The National Collaborative on Education and Health has brought together over 100 stakeholders representing federal, state and local government agencies, health and education professionals, advocates and foundations.

<b>Health Condition</b>	Health Disparities	Impact on Attendance	Sample Intervention (s)	Potential Partners
Asthma	Compared to Caucasian	Asthma is one of the	Asthma Friendly	Community health
• 8.3% of children (< age	children, asthma prevalence is	leading causes of school	Environments:	providers
18) are currently	higher in children who are	absenteeism, accounting	Asthma Friendly	School staff, including
diagnosed with asthma	Puerto Rican (2.4 times),	for 1/3 of all days	Schools Initiative,	school health team and
○4.2% of children 0-4	African American (1.6 times),	missed instruction. iii	Asthma Friendly Homes	maintenance team
○9.9% of children 4-14	and American Indian/Alaska		• Environmental	<ul> <li>School-based health</li> </ul>
○ 8.6% of children 15-19 <sup>i</sup>	Native (1.3 times). <sup>ii</sup>	Children with persistent	assessments and	centers
		asthma are 3.2 times as	remediation in schools	<ul> <li>Regional EPA office</li> </ul>
		likely to have 10 or	and homes	Local American Lung
		more absences as their		Association chapter
		peers. iv		<ul> <li>Housing advocates</li> </ul>
				Before and after school
				programs

Bullying, Violence and	34.7% of African American	7.1% of students report	Safe Routes to Schools	• PTA
Abuse	students, 28.4% of Hispanic	not going to school at		• City agencies:
<ul> <li>Abuse</li> <li>20% of high school students report being bullied on school property in the past year<sup>v</sup></li> <li>24.7% of high school students report being in a fight in the past year.<sup>vi</sup></li> <li>20% of children witnessed violence in their family or the neighborhood during the previous year.<sup>viii</sup></li> <li>16.6% of children experience physical abuse, 9.3% experience sexual abuse and 7.1% experience emotional/psychological</li> </ul>	students, 28.4% of Hispanic students and 20.8 % of Caucasian students report being in a physical fight in the past year.  9.8% of Hispanic students, 7.9% of African American students and 5.6 % of Caucasian students report missing school in the past month because of feeling unsafe either at, or traveling to or from school. ix  African American children have higher rates of maltreatment than Caucasian	least 1 day during the past 30 days because they felt unsafe at school or on their way to or from school.xi	School and community-based health, counseling and social services  Bullying education programs, including playground-based and cyber-bullying  School support groups such as Gay/Straight Alliance clubs  School discipline policy reform and protective school climates	<ul> <li>City agencies: transportation, public works, health, public health, police department</li> <li>Neighborhood associations</li> <li>Community health providers</li> <li>Local child trauma program</li> <li>School staff, including school health team</li> <li>Youth and after-school programs</li> </ul>
abuse. viii	and Hispanic children.x			
<ul> <li>Oral health</li> <li>20% of children aged 5 to 11 years have at least one untreated decayed tooth. xiii</li> <li>13% of adolescents aged 12 to 19 years have at least one untreated decayed tooth. xiiii</li> <li>Among school-age children, tooth decay is the most common chronic disease, five times more prevalent than asthma.</li> </ul>	Untreated caries are nearly twice as prevalent in Hispanic children (26%) compared to non-Hispanic white children (14%) aged 6–9, and are more than twice as prevalent for non-Hispanic black adolescents (25%) compared with non-Hispanic white adolescents (9%) aged 13–15. xiv  The percentage of children 5 to 19 years with untreated tooth decay is twice as high for those from low-income families (25%) compared with children from higher-income families (11%). xv	Children between 5 and 17 years miss nearly two million school days in a single year nationwide due to dental healthrelated problems. The children with poor oral health status are nearly 3 times more likely than were their counterparts to miss school as a result of dental pain. The children with poor oral health status are nearly 3 times more likely than were their counterparts to miss school as a result of dental pain.	Community-based oral health programs, including school-based sealant programs, free clinics and mobile programs	<ul> <li>City/county health departments</li> <li>Hospitals and health centers</li> <li>School-based clinics</li> <li>Dental schools and programs</li> <li>Local dental health providers</li> <li>WIC or Head Start programs</li> <li>Well child clinics</li> <li>Community centers</li> <li>School staff, including school health team</li> </ul>

Food insecurity and	Food insecurity is more than	Children who come	Access to healthy school	• Local departments of
nutrition	twice as prevalent among	from food-insecure	meals, including universal	health and public health
• 21% of children ( <age 12-19="" 18%="" 18)="" 21%="" 31.8%="" 6-11="" adolescents="" aged="" and="" are="" at="" been="" children="" during="" food-insecure="" have="" households="" in="" live="" obese.="" of="" old="" or="" overweight="" point="" some="" th="" that="" the="" xix<="" xviii="" year.="" years="" •=""><th>twice as prevalent among children in households headed by African Americans (36%) or Hispanics (30%), than in those headed by Caucasians (15%). The proportion of households where children had "very low food security," is between three and four times as high in African American or Hispanic households as it was in Caucasian households. **  32.5% of African American children and 38.9% of Hispanic children are overweight or obese compared to 28.5% of Caucasian children. **xi</th><th>from food-insecure families are more likely to be suspended from school, have higher absenteeism rates and have poor health compared to children who come from food-secure homes. **xiii*  Children who are obese are 1.7 times more likely to have 10 or more absences in a given year than their non-obese peers. **xiiii*  Overweight children are exposed to negative social experiences such as peer rejection and bullying which may lead to low self-esteem, anxiety disorders and depression. **xiiv*</th><th>meals, including universal school breakfast programs, and water  School Pantry Program  Backpack programs  School-based physical activity programs  Programs to reduce screen time  Programs to promote appropriate sleep</th><th>health and public health  Teachers unions  Food service directors  Local food banks  Local anti-hunger groups, including Feeding America  School staff, including food services team and facility and maintenance team  Community food and fitness organizations  Local health care providers  Farmers markets</th></age>	twice as prevalent among children in households headed by African Americans (36%) or Hispanics (30%), than in those headed by Caucasians (15%). The proportion of households where children had "very low food security," is between three and four times as high in African American or Hispanic households as it was in Caucasian households. **  32.5% of African American children and 38.9% of Hispanic children are overweight or obese compared to 28.5% of Caucasian children. **xi	from food-insecure families are more likely to be suspended from school, have higher absenteeism rates and have poor health compared to children who come from food-secure homes. **xiii*  Children who are obese are 1.7 times more likely to have 10 or more absences in a given year than their non-obese peers. **xiiii*  Overweight children are exposed to negative social experiences such as peer rejection and bullying which may lead to low self-esteem, anxiety disorders and depression. **xiiv*	meals, including universal school breakfast programs, and water  School Pantry Program  Backpack programs  School-based physical activity programs  Programs to reduce screen time  Programs to promote appropriate sleep	health and public health  Teachers unions  Food service directors  Local food banks  Local anti-hunger groups, including Feeding America  School staff, including food services team and facility and maintenance team  Community food and fitness organizations  Local health care providers  Farmers markets
Mental health and	ADHD disproportionately	When students' mental	School-based mental	Community mental
substance use disorders	affects urban minority youth	health needs are met,	health programs.	health providers and
• A total of 13%–20% of	from poor families, who may	they are less likely to be	G . D . C	agencies
children experience a	not only be more likely to be	absent and more likely	Screening, Brief	• Local departments of
mental disorder in a given	affected but also less likely to	to be engaged in and	Intervention, and Referral	health and public health
year. xxv	receive accurate diagnosis and	have a sense of	to Treatment (SBIRT)	• Local courts and legal
• ADHD (6.8%) is the most	treatment. xxviii	connectedness to		system
prevalent parent-reported		school.xxxi	Universal interventions	• Local child trauma
current diagnosis among	Minorities have less access to		such as the Good Behavior	program
children aged 3–17 years,	mental health services and are	Children affected by	Game	<ul> <li>School staff, including</li> </ul>
followed by behavioral or	less likely to receive needed	ADHD are more likely		school nurses, guidance
conduct problems (3.5%),	care.xxix	to exhibit tardiness and		counselors and

anxiety (3.0%), depression (2.1%) and autism spectrum disorders (1.1%). xxvi  • 25% of children in need of mental health care get the help they need.  • 8.8% of adolescents report current illicit drug users.  • 20.8% of adolescents report binge-drinking (five or more drinks of alcohol in a row within two hours) in the past 30 days.  • 8.6% of students tried marijuana for the first time before age 13. xxvii	African American and Latino youth are more likely to drink alcohol for the first time before age 13 (21.0% and 21.8% vs. 16.7%).  African American and Latino youth are more likely to try marijuana for the first time before age 13 (11.5% and 11.7% vs. 6.6%).	absenteeism due to sleep problems caused by the disorder. Reduction of alcohol and drug use is associated with better attendance rates.  There is a 10% increase in attendance for every year that the student delays beginning marijuana or alcohol use. XXXXIII		<ul> <li>behavioral health team</li> <li>School-based mental health centers</li> <li>Community Anti-Drug Coalitions of America</li> <li>School staff, including school health team</li> </ul>
Teen and unplanned pregnancies 3 in 10 teen American girls will get pregnant at least once before age 20. xxxiv	Teenage birth rates in African American and Latino communities are three and four times higher than in Caucasian communities. xxxv	Teens who become pregnant are more likely to be chronically absent, less likely to stay in school, and less likely to complete high school or college. XXXVI	School and community- based health, counseling and social services, including access to contraception.	<ul> <li>Community health providers</li> <li>School staff, including school health team</li> <li>Planned Parenthood</li> <li>Local adolescent health community organizations</li> </ul>
Vision 25 percent of school-aged children have some form of vision impairment. xxxviii	Low-income and minority youth are at greater risk of under diagnosis and under treatment of vision problems and unmet need for vision care services. xxxviii, xxxix	Students with vision impairments are at an increased risk of disengagement from school and are more likely to develop social and emotional problems.xl	School-based vision screening programs	<ul> <li>Local vision providers</li> <li>School staff, including school health team,</li> <li>Community organizations, such as local Lions Clubs</li> <li>Local eyeglasses stores</li> </ul>

Please contact Alex Mays at alex@healthyschoolscampaign.org with questions about this chart. For more information about the National Collaborative on Education and Health visit healthinmind.org.

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