

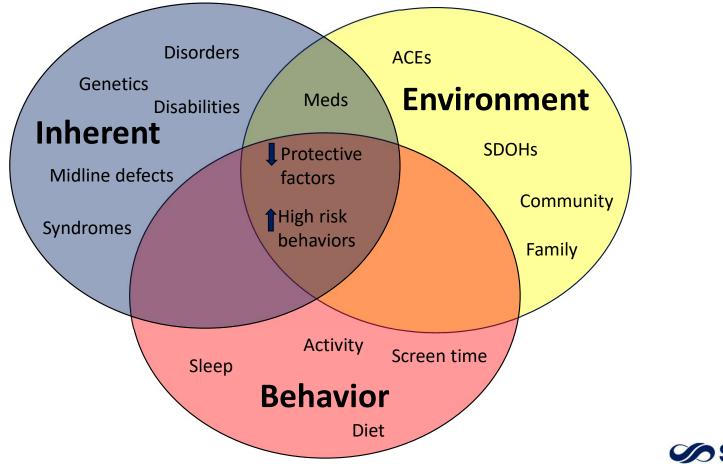
Childhood Obesity Management

Healthy Lifestyle is Key Addressing Toxic Stress Vital to Comprehensive Intervention

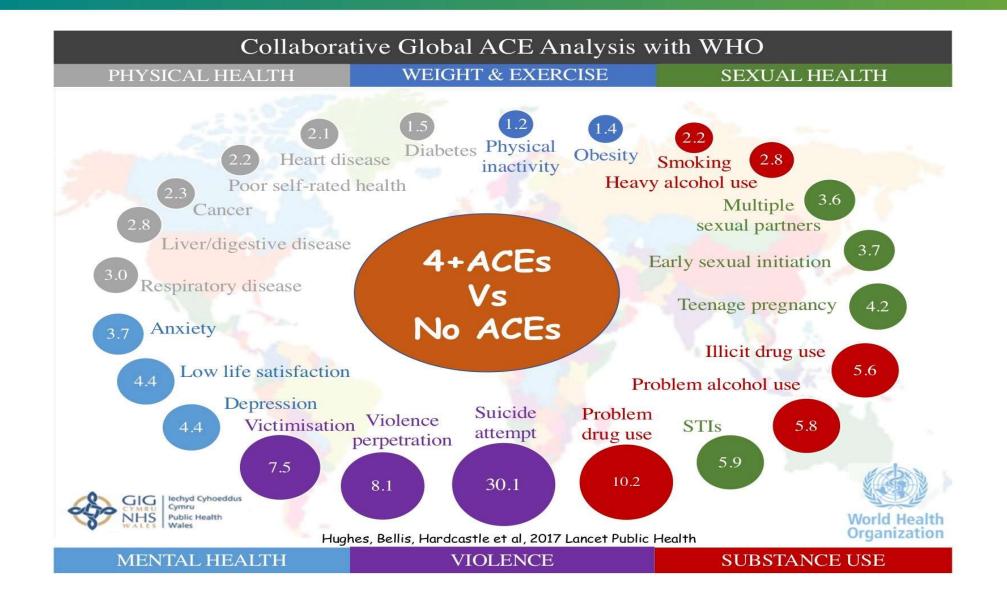
Sachin Jogal, MD Pediatrics, Fond du Lac Regional Clinic – SSM Health

Wisconsin Speaker's Task Force on Childhood Obesity Madison, WI November 1, 2023

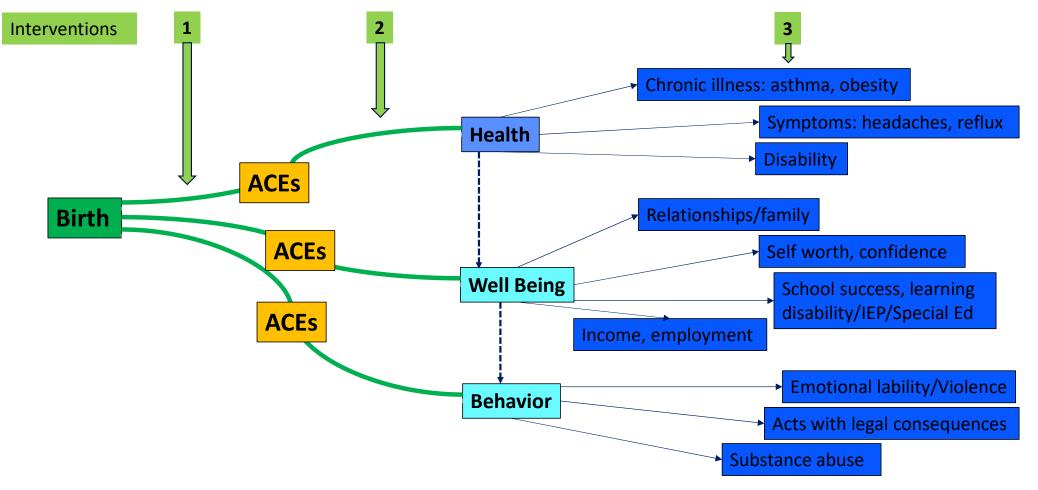
Causes of Childhood Obesity

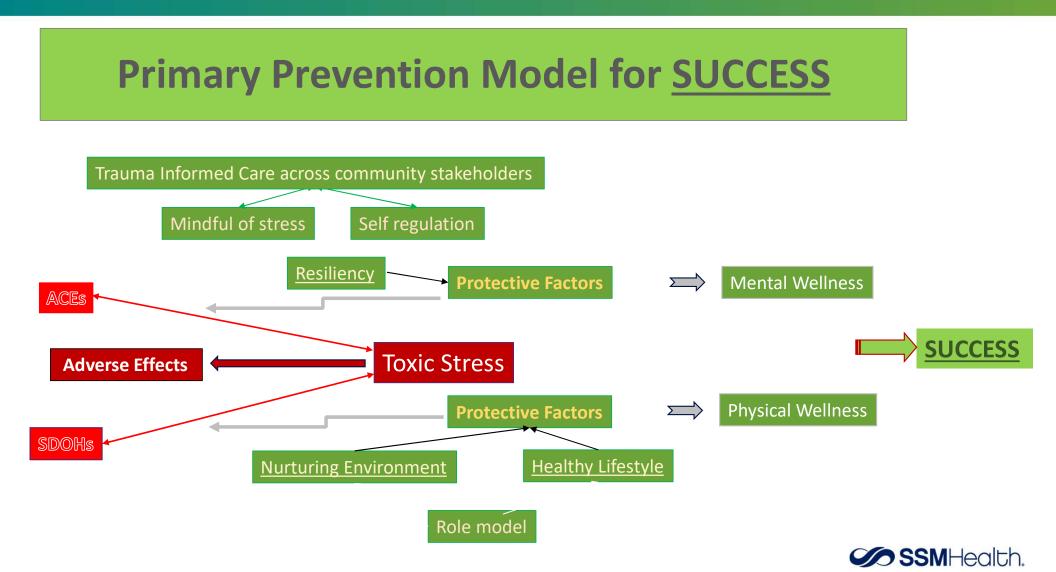






ACEs Affect Health, Well-Being, Behavior - Interventions to Help at Stages of Impact





Why Healthy Lifestyle

Long term health

Lowers risk of headaches, joint pain, stomach pain from acid reflux. Improves mental health such as depression and anxiety Decreases risk of vitamin and mineral deficiencies Potentiates normal immune function and the ability to fight infections and to heal Helps keep body's organs (such as heart, lungs, kidneys, liver, bones) normal Reduces risk of disability or earlier death

Reduction of risk of chronic illness

Lessons the risk of long-term illnesses such heart disease, diabetes, osteoporosis, cancer, high blood pressure, fatty liver disease, gallstones, arthritis, Alzheimer's and obesity

Improves Mental Health

Ability to better cope detrimental effects of ACEs/toxic stress Decreases emotional lability, mood/depression, anxiety, schizophrenia symptoms Decreases high risk behavior – substance abuse, violence, sexual Cognitive benefits – processing speed, executive function

Helps improve personal and family life

Improved emotional and physical health, which <u>enriches self-worth</u> Encourages more social and family time and interactions

Helps optimize school, work, and success

Increases alertness, cognition, ability to absorb and process information Reduced frequency and severity of being ill results in less days being off from school or work. These result in better potential of doing your best and being successful



Promotion of Healthy Lifestyle

- Diet, Physical Activity, Sleep, Screen Time (All four)
- Preconception maternal obesity prevention and treatment
- Prenatal healthy lifestyle promotion
- Postnatal Anticipatory Guidance for every child
- Postnatal surveillance and intervention¹
 - "5-2-1-0" from infancy
 - Promote breast milk feeding for first 6 months
 - Start screening for obesity early
 - Flag charts of children with overweight and obesity
 - Assess barriers for healthy lifestyle (SDOHs, ACEs)
- Advocacy: Promote efforts in schools, communities, businesses, public health policies

1 Davis MD et al. Pediatrics 120 (4): S229-S253, 2007 Part of AAP recommendations





Examples of Effects of Healthy Lifestyle

Mia: 8yr old female with abnormal weight gain since 3 yrs old

- Weight increase noticed 3 years ago (around COVID),
- More inside home, 2-3 hours TV + phone, 2 meals/day, sugary drinks
- More tired, feet hurting, asthma
- Fatty liver disease, high cholesterol

Dorian: 12yr old male with abnormal weight gain since 7 yrs old

- Snacks quite a bit, only 2 meals daily
- Low energy/feeling tired. Sleep disturbance/inconsistent







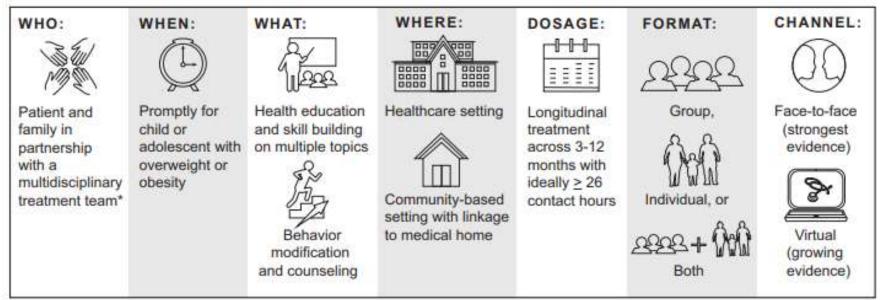
Childhood Obesity Interventions

	92	Components of Comprehensive Treatment	Overweight			Obesity		
TREATMENT	P&PHCPs <u>should</u> treat overweight/obesity &		<бү	6 to <12γ	≥12γ	<бу	6 to <12y	≥12y
	comorbidities concurrently (K S following the principles	Motivational Interviewing ^f (KAS 10)	1	1	1	1	1	~
	of the medical horizond the chronic care model, using a family-centered and non-stigmatizing approach that acknowledges obesity's biologic, social, and structural drivers.(KAS 9)	Intensive Health Behavior and Lifestyle Treatment ^g (KAS 11)	中	1	~	Ф	1	1
		Weight Loss Pharmacotherapy ^h (KAS 12)						~
		Offer referral to Comprehensive Pediatric Metabolic & Bariatric Surgery programs ⁱ (KAS 13)						√ ⁱ

Optimize Healthy Lifestyle/Behavior



SE Hampl, et al (AAP Clinical Practice Guideline) Pediatrics 151 (2), 2023.

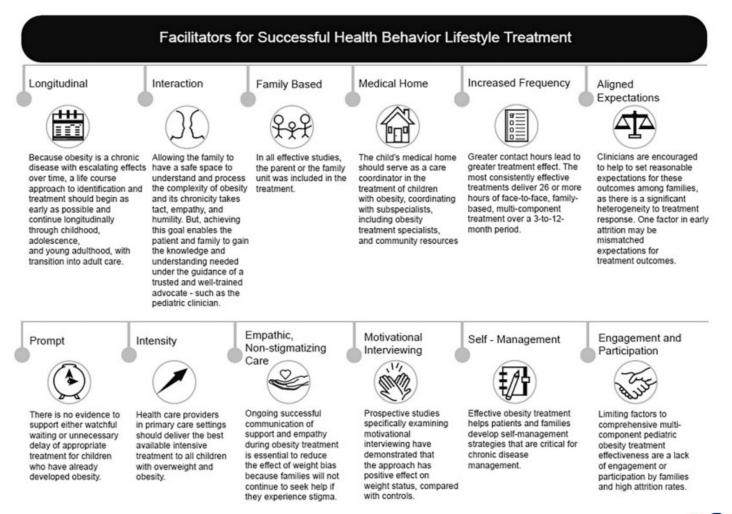


Intensive Health Behavior and Lifestyle Treatment (IHBLT)

* PCPs and/or PHCPs with training in obesity as well as other professionals trained in behavior and lifestyle fields such as dietitians, exercise specialists and behavioral health practitioners



SE Hampl, et al (AAP Clinical Practice Guideline) Pediatrics 151 (2), 2023.



SSMHealth.

SE Hampl, et al (AAP Clinical Practice Guideline) Pediatrics 151 (2), 2023.

Gaps between Evidence-Based Interventions and Current Policies/Coverage

- Interventions with evidence grades of "A" or "B" (as given by USPSTF) mandated to be covered (with no out-of-pocket costs)*
- State Medicaid or commercial health plans do not cover most of them
- "Health care systems should build the capacity necessary to deliver this evidence-based level of care."

USPSTF: United States Preventive Services Task Force *Under the Affordable Care Act SE Hampl, et al (AAP Clinical Practice Guideline) Pediatrics 151 (2), 2023.



With Limited Resources... Need for Regional Collaboration

Collective collaboration between health care experts and passionate in childhood obesity:

- SSM, Aurora, MCW, UW, Ascension, Prevea, Marshfield
- Subspecialties
- Resources (local, regional assets)

SSM regional approach

Barriers:

- Intra and Inter-organization red-tape
- Bundling vs. separate co-pays for one-stop-shop visits
- Health insurers' restrictions



Childhood Obesity Intervention/Prevention: Optimize Healthy Lifestyle and Screen/Manage SDOHs and MBH/"P"ACEs

<u>**Healthy Lifestyle**</u> through MI and IHBLT (26 contact hours per year = every 2 weeks)

 Organized "contact" throughout community to provide MI-driven messaging

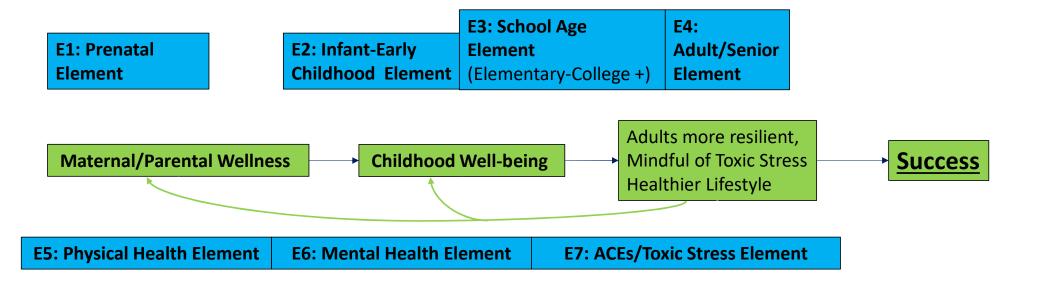
SDOH screen abnormal → CH Coordinator/Social Services → Local resources

 $\underline{\mathsf{MBH/ACE}} \text{ screen abnormal} \xrightarrow{} \text{Behavioral}$ Health

- Barrier: Limited IHBLT, CHC/SS or BH capacity through healthcare alone
- Comprehensive Community wrap-arounds → HL promotion, Reduce SDOH/Toxic Stress
 - Local coalitions (Elements) with like-minded interests/expertise
 - Local/Regional/State support (businesses/stakeholders, County/State incentives)
 - County HD \rightarrow CHIP priorities \rightarrow Action Plans
 - Community-based Services Integration (CSI) entity
 - Provides equity to resources for collective impact
 - Oversight of collaboration and success
 - Funnels in Asks for local Action Plans (good for local/regional funding, grants)
 - Central data repository \rightarrow County HD \rightarrow WI State
 - Grant writing/submission
 - Distribute resources: funding, volunteers, educational/messaging materials

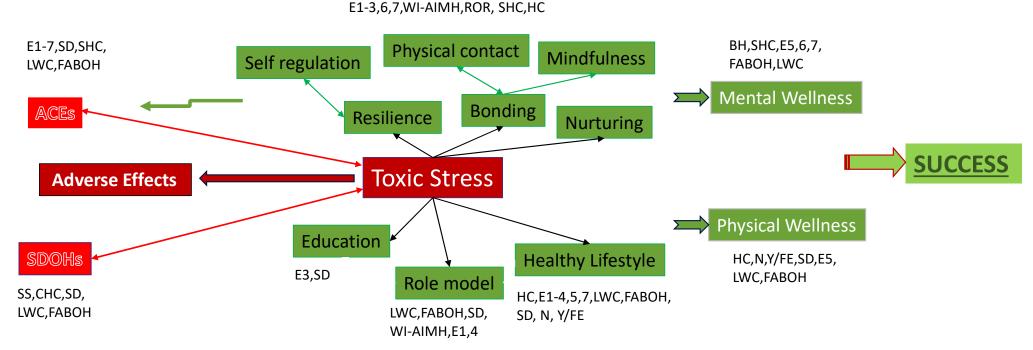


CSI Team Community → Primary Prevention Approach





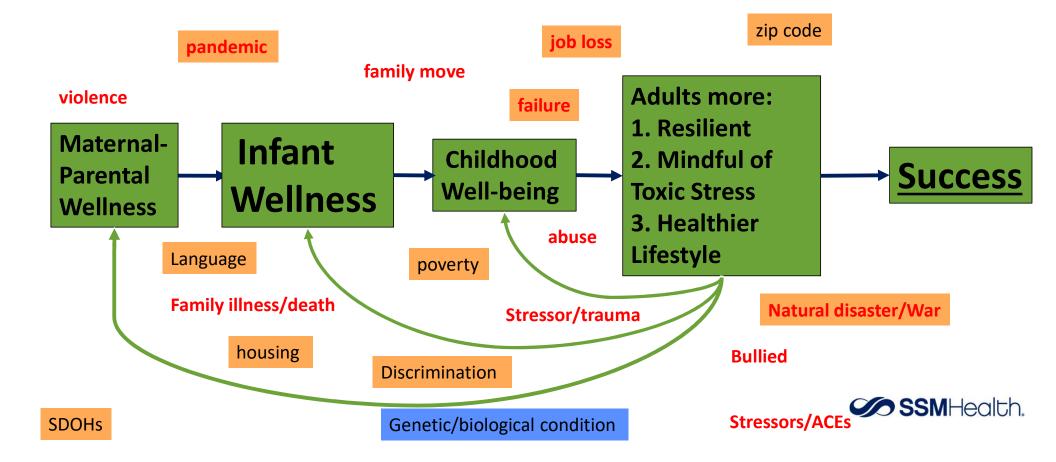
CSI Team Empowered Model for <u>SUCCESS</u>



SS (Social Services), CHC (Community Health Coordinator), SD (School District), Y (YMCA), FE (Fitness Expert), N (Nutrition), SHC (Spiritual Health Counselor), HC (Health Care), E1-7 (CSI Elements), LWC (Living Well Coalition), ROR (Reach Out&Read), WI-AIMH (WI-Alliance for Infant Mental Health), FABOH (Fond du Lac Area Businesses On Health)



Individual Wellness \rightarrow Optimize One's Potential



"Both face poverty, but the daughter still sees her dad as a king; And he sees her as his whole world!"

Photographer and quote source unknown

