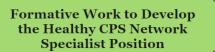
# The Healthy CPS Network Specialist: Implementing a Multi-tiered System of Supports using SISTER/ERIC Strategies in Chicago Public Schools

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In the United States, there is a plethora of policies at the federal, state, city, and local (school district) levels that govern and guide school health and wellness. Navigating and successfully implementing these policies is an ongoing challenge that schools face on a daily basis. Identifying strategies to support schools in implementing these policies is key; however, strategies need to be aligned with practices that are commonly used in schools to facilitate stakeholder buy-in. This research describes an approach developed with Chicago Public Schools (CPS), to provide implementation supports to one geographic network of schools in the district, by leveraging education sector and implementation science frameworks. (See Figure 1.) Cook et al.'s study, which translates clinical implementation domains and strategies, Expert Recommendations for Implementing Change (ERIC), to School Implementation Strategies, Translating ERIC Resources (SISTER), lays the foundation for this disciplinary crossover (1). Many school districts, including CPS, administer health and wellness policy implementation supports in accordance with a Multi-Tiered System of Supports (MTSS) framework, which involves delivering supports to schools along a tiered continuum, with 'Tier 1' representing universal supports to all, 'Tier 2' representing targeted supports, and 'Tier 3' representing highly individualized interventions (2). Using an MTSS framework, CPS's Office of Student Health and Wellness (OSHW) developed the Healthy CPS initiative and accompanying Healthy CPS Network Specialist position to improve school-level compliance with federal, state, and local health and wellness policies.





<u>Formative Interviews:</u> OSHW Healthy CPS Team Leads, TA Providers, & Wellness Teams

<u>Materials Review:</u> Wellness Team Literature & Healthy CPS Documents & Processes

Network Specialist Onboarding

Implementation Guide, Activity-Based Time Tracking Log, & Tool Development

Legend: Blue Items = data sources (e.g., interviews, activity-based time tracking log) Black Items = strategies & activities (e.g., SISTER Implementation strategies) Purple Items = implementation tools (e.g., Implementation Guide)

#### <u>SISTER Implementation Strategy Domains to Provide Tiered Supports via</u> <u>MTSS:</u> Support Educators (Tier 1&2); Train and Educate School-level Stakeholders (Tier 1&2); Develop Stakeholder Interrelationships (Tier 2); Use Evaluative and Iterative Strategies (Tier 3); Provide Interactive Assistance (Tier 3); Engage Consumers (Tier 3) <u>Implementation Activities:</u> Reviewing Healthy CPS checklists, Developing action plans, Reminding schools about important deadlines; Problem-solving school health challenges; Connecting schools to targeted internal & external partners & opportunities

Healthy CPS Network Specialist Implementation Using SISTER

Strategies via MTSS to Improve School Health and Wellness Policy

mplementation

 development to support implementation

 Data Sources: Interviews with Wellness Teams, Parents & Students, Network Chief,

 OSHW Leads, TA Providers, Principals & Wellness Champions;

 Activity-based time tracking log; Healthy CPS Survey

Ongoing data collection & tool

<u>mplementation Tools</u>: Implementation Guide; One-pagers; Activity-based time tracking log

### **RESEARCH AIMS**

Identify the primary implementation activities and strategies used by the Healthy CPS Network Specialist to support school health and wellness policy implementation.

Describe the implementation of the Healthy CPS Network Specialist using an MTSS framework within the context of Cook et al.'s SISTER domains and strategies.

#### METHODS

The study involved analyses of qualitative data from 25 interviews with the Network Specialist and stakeholders interacting with the Network Specialist, as well as data (556 entries) from an activity-based time tracking log used to capture the day-to-day activities of the Network Specialist. Interviews were recorded, transcribed, and analyzed using MaxQDA and data from the log were processed monthly using Stata. The log and interview data were both mapped to specific SISTER implementation domains and strategies by the study team. Log data was also coded by MTSS tiers.

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In capturing the ful that fell within 6 SI From the log data, identified and map	STER domain domain fre
<u>Table 1</u>	Table 1 ca that exem support p to more g focused, t supports school sta
Table 2	Tal ac str He tra tal us
Figure 2	Figure 2 is specific Sl tier of sup Aligning v falling und evaluative primarily
SISTER Domain	Examples o
Support Educators (N=240) Train and Educate Stakeholders (N=132)	Sending/pr generate by with school Sending sch health ques from differe
Use Evaluative & Iterative Strategies (N=72)	Participatin action plan with Wellne
Develop Stakeholder Interrelationships (N=51) Provide Interactive Assistance	Identifying sharing info other Speci Engaging in steps in dev
(N=18) Engage Consumers (N=6)	Engaging an support a fa

Data Sources: Activity-based time tracking log and process evaluation interviews conducted from 2020-2022 <sup>a</sup>The application of domain codes was not mutually exclusive, so interactions could be coded with multiple domains. <sup>b</sup>One interaction logged by the Network Specialist could not be categorized into any of the three tiers of support – while 115 interactions could not be coded into any SISTER domains (e.g., scheduling communications). The application of domain codes was not mutually exclusive, so interactions could be coded under multiple domains. The bolded text within each row of the last three columns represents the tier of support that comprised the largest proportion of interactions within each SISTER domain. The domains are organized in descending order of overall prevalence of each domain being applied.

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#### FINDINGS

In capturing the full range of the Network Specialist's activities, researchers identified the Network Specialist's implementation activities that fell within 6 SISTER domains and the domains' frequencies in both the activity-based time tracking log and the qualitative interviews. From the log data, domain frequencies were broken down by tiers of support and specific SISTER implementation strategies were also identified and mapped to MTSS.

ategorizes the Network Specialist's supports by MTSS tier, with illustrative quotations from the interviews applify the Network Specialist's supports within each tier, and presents the relative frequency of tiers of provided as cataloged in the log. <u>Tier 1 supports included reminders, email guidance, newsletters, and links</u> <u>general resources</u> that went to all schools. <u>Tier 2 supports were interactions with schools that were more</u> <u>targeted instruction/interventions, supplemental supports</u>, and/or follow-up communications. <u>Tier 3</u> <u>represented the most targeted supports</u> and included onsite visits to schools and standing meetings with aff.

**ble 2** includes examples of implementation strategies used by the Network Specialist to support schools in <u>hieving Healthy CPS grouped by SISTER domain</u>, the activity-based time tracking log frequencies of these rategies by SISTER domain, and the frequency these strategies appear within 25 interviews with key ealthy CPS stakeholders. The table is sorted in descending frequency based on the activity-based time acking log data – which included a total of 556 interactions. The final three columns present a cross-bulation of interactions from the activity-based time tracking log by SISTER domain and MTSS tier that was ed to inform the development of **Figure 2**.

is a graphical representation of the alignment across MTSS and SISTER domains. It also highlights the ISTER strategies within each SISTER domain and Network Specialist example supports that align with each pport. <u>Two SISTER domains span Tiers 1 and 2</u>, "train and educate stakeholders" and "support educators." with data presented in **Table 2**, the SISTER domain "develop stakeholder interrelationships" and strategies der this domain are depicted as primarily Tier 2 supports. The domains and subsequent strategies for <u>"use e and iterative strategies</u>," "provide interactive assistance," and "engage consumers" are depicted as <u>Tier 3 supports</u>.

Table 2: Network Specialist Implementation Strategies by SISTER Domain and Tiers of Support

### Table 1: Network Specialist Activities by Tiers of Support

	Tier	Definition	Quotation	Log Frec
	1	Supports and resources, including email guidance, newsletters, and links to resources available on internal & external CPS websites, that go to all schools	"I send out three reminders with anything I send outand then I have times that are allotted, so they can go in at their leisure to schedule a time that's best for them." -Network Specialist	340 (619
	2	More focused, targeted instruction/ interventions, and supplemental supports	"So, we were able to obtain two individuals from a college to teach our sex ed. class and [the Network Specialist] had a connection with [that resource]." -Principal	165 (309
	3	<u>Most targeted</u> supports and interventions (i.e., onsite visits and standing meetings)	"I do have a lot of administrators that contact me via phone I'm with administrators once a month within the Network meetingI'm always interfacing." -Network Specialist	50/! (9%

<u>Data Sources</u>: Activity-based time tracking log and process evaluation interviews conducted from 2020-2022 <sup>a</sup>One interaction logged by the Network Specialist could not be categorized into any of the three tiers.

s of Implementation Strategies Used by the Healthy CPS Network Specialist	Log	Interview	Log Frequency	Log Frequency	Log F
	Frequency <sup>a</sup>	Frequency <sup>a</sup>	Tier 1 (N=340) <sup>b</sup>	Tier 2 (N=165) <sup>b</sup>	Tier 3
providing reminders (e.g., to complete Healthy CPS survey, assigned trainings, etc.); helping schools	240/556	18/25	210/240	21/240	g
buy-in for Healthy CPS compliance; supporting employee wellness; sending/sharing real-time health data	(43%)	(72%)	(87.5%)	(8.8%)	(
ools (e.g., staff training completion data)					
chools relevant information/materials; answering questions about specific Healthy CPS criteria/school	132/556	22/25	44/132	73/132	1
estions; redirecting to resources and/or answering clarifying questions; connecting Wellness Champions	(24%)	(88%)	(33.3%)	(55.3%)	(1
erent schools to discuss similar health-related implementation challenges and learnings					
ing in school walks and quarterly meetings; reviewing checklists and school-level health data; developing	72/556	19/25	4/72	30/72	3
ans; collecting Healthy CPS documentation; reporting back to Principals and Chief on findings of check-ins	(13%)	(76%)	(5.6%)	(41.7%)	(5
ness Champions and/or school-level walks					
g Wellness Champions; supporting Wellness Teams and other key school health personnel (e.g., nurses);	51/556	20/25	6/51	34/51	:
formation between schools; building partnerships by connecting schools to supports (e.g., mobile vans,	(9%)	(80%)	(11.8%)	(66.7%)	(2
cialists, CBOs, etc.); advocating for resources, tools, and services for schools					
in problem-solving; talking through how to achieve Healthy CPS criteria; following up to make sure next	18/556	14/25	0/18	7/18	1
leveloped action plans were clear and completed; providing technical assistance with documentation	(3%)	(56%)	(0.0%)	(38.9%)	(6
and/or communicating with families and students directly; Working with Network and/or school staff to	6/556	8/25	0/6	0/6	
family with involved health needs; referring families to internal and external resources; supporting	(1%)	(32%)	(0.0%)	(0.0%)	(1
n efforts to engage students/families					

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