

Out of School Nutrition and Physical Activity Initiative

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OSNAP Team

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Objectives

- Describe the OSNAP Initiative
- Identify relevant policies/documents supporting physical activity in afterschool
- Assess policies/documents using OSNAP tools
- Identify strategies to incorporate language supporting physical activity in afterschool policies and documents

OSNAP Initiative

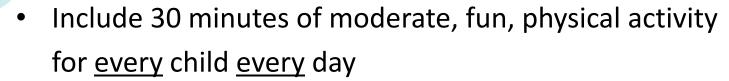
- PRC 2010-2014 core research project
- In partnership with:
 - Boston Public Schools
 - YMCA of Greater Boston
 - Boston Boys and Girls Clubs
 - Boston Centers for Youth and Families
 - Boston Public Health Commission Strategic Alliance for Health
- Builds on previous work with YMCA of the USA & Boston Public Schools Food and Nutrition Services



OSNAP Aims

Identify and support sustainable policy and environmental strategies that promote increased access to healthy snacks and opportunities for physical activity in out of school time settings.

Goals for Nutrition and Physical Activity in Out-of-School Time





- Offer 20 minutes of vigorous physical activity 3 times per week
- Ban sugar-sweetened drinks from snacks served
- Offer water as a drink at snack every day
- Eliminate use of commercial broadcast TV/movies
- Limit recreational computer time to less than one hour per day
- Offer a fruit or vegetable option every day at snack
- Ban foods with trans fats from snacks served
- Ban sugar-sweetened drinks brought in from outside the snack program





Afterschool Environment

- ~ 8.4 million children attend afterschool
- Average of 8 hours per week spent in afterschool programs
- Black and Hispanic children more likely to attend afterschool programs
- Physical activity and snacks provided in afterschool programs contribute to children's daily energy expenditure and intake, as well as play a role in habit formation

Afterschool Physical Activity

- Lack of state policies specifying physical activity time¹
- Evidence for increased daily physical activity time after targeted afterschool intervention²

¹Beets MW, Wallner M, Beighle A. Defining standards and policies for promoting physical activity in afterschool programs. J Sch Health. 2010 Aug;80(8):411-7.

² Gortmaker SL, Lee RM, Mozaffarian RS, Sobol AM, Nelson TF, Roth BA, Wiecha JL. Impact of an after-school intervention on increases in children's physical activity. Med Sci Sports Exerc 2011

Policy Change Framework¹

Problem

 matters requiring attention

Policy

ideas for solutions

Politics

political issues/climate Policy Window Open when:

- problem is recognized
- solution is available
- positive climate for change

¹Kingdon, John W. <u>Agendas, Alternatives, and Public Policies</u>, 1995

OSNAP Study Timeline

Spring 2010

Pilot

4 afterschool programs

Fall 2010-Spring 2011

- Group Randomized Control Trial
- 20 afterschool programs

Intervention

- 10 sites
- environmental/policy change

Delayed Intervention

- 10 control sites
- No change through PRC

Fall 2011-Spring 2012 Delayed intervention with 10 control sites



Data Collection Methods

5 days

Accelerometers

5 days

Snacks served

5 days

- Observations of activities offered
- Includes length, child participation

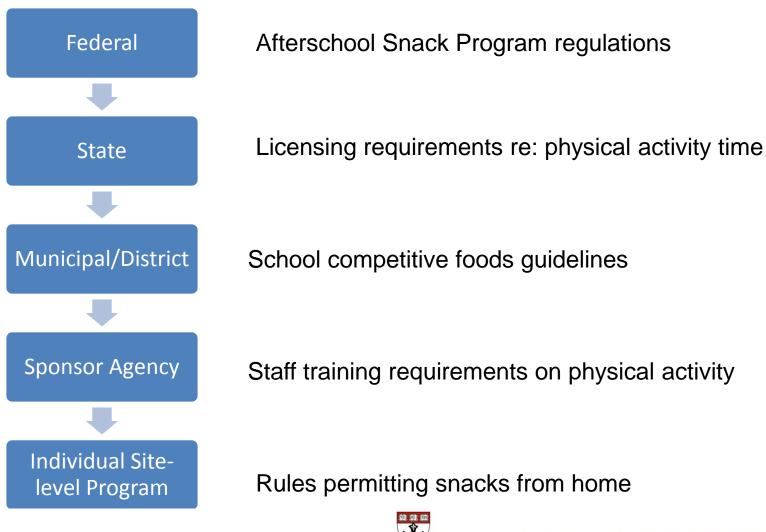
2 days

Snack Intake

2 days

SOPLAY

Levels of Policy Affecting Afterschool



Levels of Policy Affecting Afterschool

Sponsor Agency



Individual Sitelevel Program

Relevant Policy Documents

- Family Handbook
- Staff Handbook
- Program training materials
- Parent newsletters
- Memorandum of Agreement
- Program enrollment form
- Schedules
- Menus

Policy & Document Coding

- Collect policy documents from program/sponsor
- Read for evidence of policies outlined in coding tool
- Code "yes/no" for the presence of each item
- Document source types for policy item recorded
- Schedules rated separately
- Policies coded by two raters with resolution process for discrepancies for a final code

Policy/Document Coding Tool

Policy and Document Coding Form

Physical Activity Policy Review

	njstem rietritej i onej rietrett	_					
Item	Label	Doc ID			Details and Notes		
		#					
	Does the (state, org, program) have a policy for afterschool						
pa_pol	On physical activity?		Yes 1	No 0	N/A for this level 99		
pa30_pol	Requiring 30 minutes of PA every day?		Yes 1	No 0	N/A 99	<pre>pa301_pol: If another amount of PA is required, how many minutes per day?</pre>	
pavig_pol	Requiring 20 minutes of vigorous PA at least 3 times a week?		Yes 1	No 0	N/A 99	<pre>pavigl_pol: If yes, how is vigorous activity defined and encouraged?</pre>	
papart_pol	Requiring or encouraging that every child participate in PA?		Yes 1	No 0	N/A 99		
pavar_pol	Requiring or encouraging variety in PA?		Yes	No	N/A		

OSNAP Intervention

- One-on-one meetings with site directors
 - Process evaluation interviews
 - Introduction to timeline, activities and Food
 Fun curriculum
- Series of 3 Learning Collaboratives
- Report back of observational data
- Collaboration with BPS FNS on snacks and water

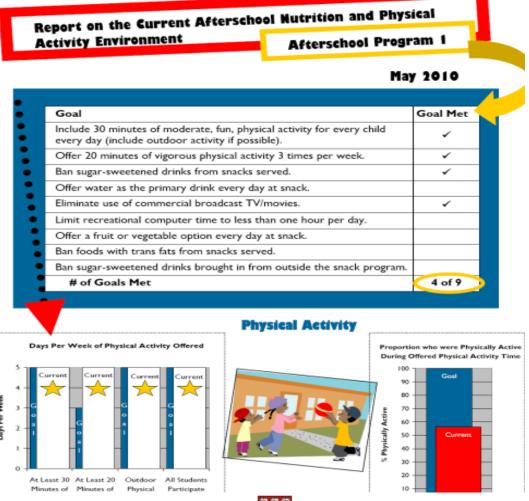
OSNAP Learning Collaboratives

- Groups of afterschool site staff
- 3 hours, paid stipend, located at programs
- ➤ LC 1: Site data reports, background on environmental goals, action planning
- ➤ LC 2: PA training, policy writing, action plans revisited, site sharing
- ➤ LC 3: Healthy eating training, action plans revisited, site sharing

Identifying Existing Practices

Name:	Site:	Date:						
20. Were sugary drinks (wi	th sugar added or juice > 4 oz) served	at snack? If no, skip to question 23.	☐ Yes	□ No				
21. For the <i>children who</i> a	uttended snack time, how many do yo	ou think were served sugary drinks?						
☐ None to 1/4 of kids	☐ More than 1/4 to half of kids	☐ More than half to 3/4 of kids	☐ More tha	an 3/4 to all kids				
22. For the <i>children who were served sugary drinks</i> , how much do you think they drank?								
□ None	☐ Some	☐ Most	□ All					
23. Was water served (wit	h a pitcher or from a cooler) at snack	? If no, skip to question 24.	☐ Yes	□ No				
24. For the <i>children who</i> a	uttended snack time, how many do yo	ou think were served water?						
☐ None to 1/4 of kids	☐ More than 1/4 to half of kids	☐ More than half to 3/4 of kids	☐ More tha	an 3/4 to all kids				

OSNAP Observation Report: Identifying Areas for Improvement



Harvard School of Public Health Prevention Research Center

Identifying Existing Policies

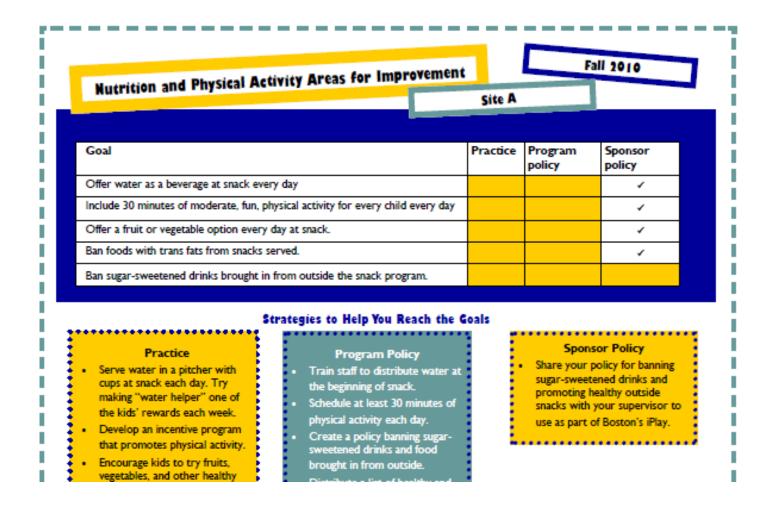
moderate	nave written statement physical activity? Physic th as walking, stretching, ru	cal activity is a	ny activity more		ring that your program mu		umples of "yes" statements: "We schedule at least 45 minutes	
S	day of physical activity are physical activity specified (minutes:) specified (days:						program get at least 30 minutes of	
	cuments did you find the w	ritten statemer	nt about providi	ng physic	al activity? Check all that		moderately intense physical activity each day, we schedule short	
apply.	1 0		TNL .			.	activity breaks during homework	
	ewsletters or flyers		Notes:				time."	
	k (parent, staff, general)							
☐ Schedules								
□ Training n								
☐ Other do	cument (specify):							
Now, checkin	g above, do any of the writte	en statements yo	u found guarante	e that ch	ildren will be provided with at le	ast 30	minutes of moderate	
physical activi	ity every day ?	•			-			
☐ YES	NO							

2. Do you have written statements in any of your documents specifying that <u>ALL</u> children have the opportunity to participate in physical activity each day?

OSNAP Policy Report: Identifying Areas for Improvement

Activity POLICIES	thool Nutrition and Physical Site A			
		Fall 2010		
	Pol	icies in Place		
Policies Supporting Goals	Source	Sponsor	Site A	
Include 30 minutes of moderate, fun, physical activity for every child every day (include outdoor activity if possible).	Schedule		·	
Offer 20 minutes of vigorous physical activity 3 times per week.	Schedule		✓	
Ban sugar-sweetened drinks from snacks served.				
Offer water as a beverage at snack every day.				
Eliminate use of commercial broadcast TV/movies.				
Limit recreational computer time to less than one hour per day.	Schedule		✓	
Offer a fruit or vegetable option every day.				
Ban foods with trans fats from snacks served.				
Ban sugar-sweetened drinks brought in from outside the snack program.				
# of Policies in Place		0 of 9	3 of 9	

OSNAP Areas for Improvement



OSNAP Action Planning Tool: Identifying Policy Solutions

- Practice action steps refer to changes that you can make during the day-to-day operations at your site. Examples might
 include, including more children in scheduled physical activity or offering water at the table during snack time.
- Policy action steps refer to changes that you can make to the rules and structure of the program. Examples might include, scheduling more daily physical activity time or including a ban on outside foods and drinks in the staff and family handbook.
- Communication action steps refer to ways you can communicate healthy information, practices or policies to families, program partners, and children. Examples might include distributing monthly health newsletters or using Food & Fun units.

Actions to reach Goal #1	People involved	Target date for completion
Goal #1 is:		
Practice		
Policy		
Communication		
Goal #1 barriers and strategies:	•	

OSNAP Intervention: Identifying Resources and Tools

- Sample policy language (staff/parent handbooks, training materials)
- Parent communications
- Links to existing resources tailored to goals and action steps
- Timeline and action step reminders
- OSNAP Newsletters highlighting trainings, reminders and successes

Mean Policy Scores, Fall to Spring

		FALL		SPRING	
	Highest possible score	Intervention	Control	Intervention	Control
Physical activity	13	2.6	2.0	4.3**	2.2
Nutrition	П	1.0	1.4	3.5**	1.6
Beverages	9	1.1	1.4	3.1*	1.5
Screen time	8	0.8	0.9	2.5*	1.1
Student behaviors	3	0.6	0.3	1.0	0.3
Schedule	8	3.1	1.9	3.5	2.2
MOA/JUA	9	0	0	0	0
Staff behaviors	17	0.2	0.6	0.2	0.6
Communication	17	2.5	3.5	7.3**	3.9
OSNAP	14	4.0	4.6	9.7**	5.1

Linear regression assessed changes associated with the intervention

Time to Take Action

- Coding:
 - Code sample documents for relevant policy language using OSNAP Policy Self-Assessment Tool
- Action planning:
 - Complete the OSNAP Action Planning Tool for sample afterschool program using:
 - Areas for Improvement
 - Tip Sheets
 - Quick Guides
 - Policy Writing Guide
 - Parent Communications

Wrap-Up

- Group report back: recommendations for action
- Feedback on tools and process
- OSNAP RCT examples

Policy and Communication Examples

"We are taking breaks during homework time so that children can shake off the restlessness of their learning experience while learning the importance of exercising."

- YMCA site letter to parent

"There will be 10 minute breaks during the HW period to stretch/exercise."

- YMCA March 2011 schedule

Policy and Communication Examples

"As part of our new health initiative, we are no longer allowing outside beverage into the program with the exception of water. Also, gum and candy are not allowed during club time."

- Boys and Girls Club site parent handbook

Policy and Communication Examples

- "Water is the beverage of choice- water will always be available for the children throughout the day. It will also be served during snack time"
 - Boston Centers for Youth and Family site,
 Making Healthy Choices policy



Discussion

- What other areas do people see a need to examine and address in afterschool?
- What other tools might be helpful for people or organizations working in this area?