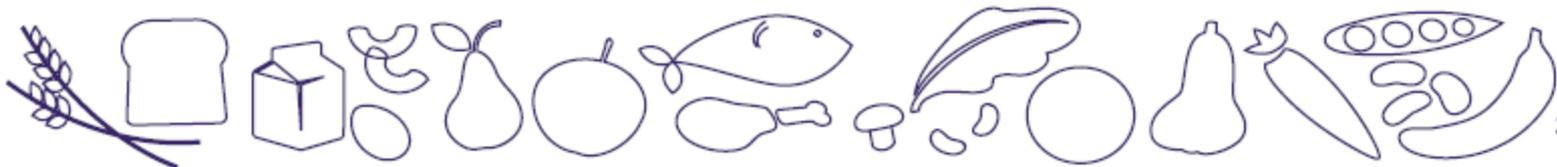


Nutrition, Physical Activity, and Electronic Media Use in the Child and Adult Care Food Program

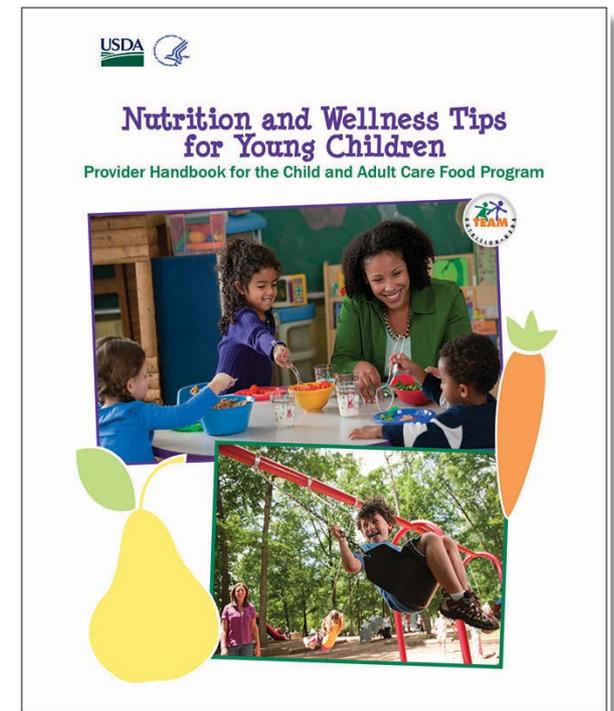
Andrea Farmer, MS, RD, LD, Nutritionist
Child Nutrition Programs

June 24, 2015



Technical Assistance

- Healthy, Hunger-Free Kids Act (HHFKA) requires USDA to:
 - Update the CACFP meal patterns
 - Promote health and wellness in child care
 - Provide technical assistance to child care centers and day care homes
 - Minimum assistance - develop Handbook
 - Any additional assistance necessary



Formative Research



- Determine Challenges
 - Nutrition
 - Physical Activity
 - Electronic Media Use



- Determine Resource Needs
 - Skills
 - Knowledge
 - Information
 - Topics of Interest



- Determine Delivery Methods
 - Print
 - Online
 - In-Person
 - Webinar
 - Video
 - Apps



Research Methods

Representatives from...	Phase 1: Survey (# of respondents)	Phase 2: Focus Groups (# of groups)
State Agencies	52	1
Sponsoring Organizations	158	1
Child Care Centers	802	3
Family Day Care Homes	390	2
TOTAL	1,402*	7

*Out of 13,105 survey invitations released

Research Limitations

- Formative research
- Self-selection from random sample
 - More interest
 - More compliant
- Self-reporting
 - More positive portrayal
- Fear of recrimination, despite anonymity

Snapshot: Audience Comparison

<p>State Agency Staff</p>	<ul style="list-style-type: none"> • Believe providers need more knowledge about nutritional <i>Guidelines</i> • Concern that providers are not implementing and modeling <i>Guidelines</i> consistently • Concern that staff are reluctant to engage in physical activity • Concern about electronic media as “secondary caregiver”
<p>Sponsoring Organizations</p>	<ul style="list-style-type: none"> • Report the most comprehensive view of “healthy habits” for young children • Cost and time cited as top challenges to meeting nutrition guidelines • Concern that staff are reluctant to participate in physical activity
<p>Providers</p>	<ul style="list-style-type: none"> • Very interested and eager to learn about ways to make meeting nutritional <i>Guidelines</i> easier • Nutritional value is very top of mind • Physical activity and electronic media use important, but fall into lower tier



Nutrition

All groups are at least somewhat familiar with the *2010 Dietary Guidelines for Americans (DGAs)*

- Interest in meeting the DGA recommendations is high!
- All audiences appreciate nutrition guidelines specific to age groups.

Many providers are serving healthful and nutritious food and beverages, including:

- Whole grains
- Fruits
- Vegetables
- Milk
- Water

Providers would like help with their biggest challenges:

- Meal planning
- Recipe ideas
- Managing food costs

Providers want to learn from peers about best practices in promoting healthy habits

- Not only among children,
- But also among the parents of children in their care.

Providers are engaged – especially on the topic of nutrition.

Food Service

Percent Saying Each Factor is “Very Important” in Deciding What Types of Food and Beverages are Served

	State Agency Staff	Sponsoring Organizations	Child Care Centers	Family Day Care Homes
Nutritional/health value	69%	89%	95%	97%
Access to nutritious foods and beverages	65%	89%	91%	93%
Provider/staff knowledge about types of foods to prepare/serve	73%	78%	79%	89%
Cost	83%	73%	60%	66%
Child preferences	48%	42%	43%	53%
Parental preference	13%	28%	33%	47%

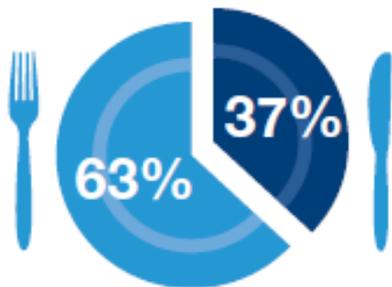
Food Service

Percent Saying Each Factor is “Very Important” in Deciding What Types of Food and Beverages are Served

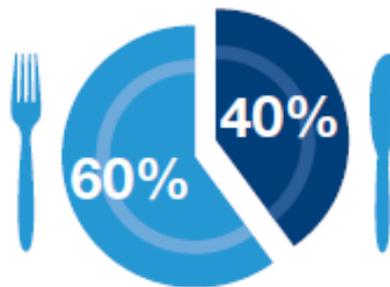
	State Agency Staff	Sponsoring Organizations	Child Care Centers	Family Day Care Homes
Nutritional/health value	69%	89%	95%	97%
Access to nutritious foods and beverages	65%	89%	91%	93%
Provider/staff knowledge about types of foods to prepare/serve	73%	78%	79%	89%
Cost	83%	73%	60%	66%
Child preferences	48%	42%	43%	53%
Parental preference	13%	28%	33%	47%

Percent Reporting How Meals and Snacks are Served

Child Care Centers



Family Day Care Homes



Key: ● Family Style Meals
 ● Preplated Meals

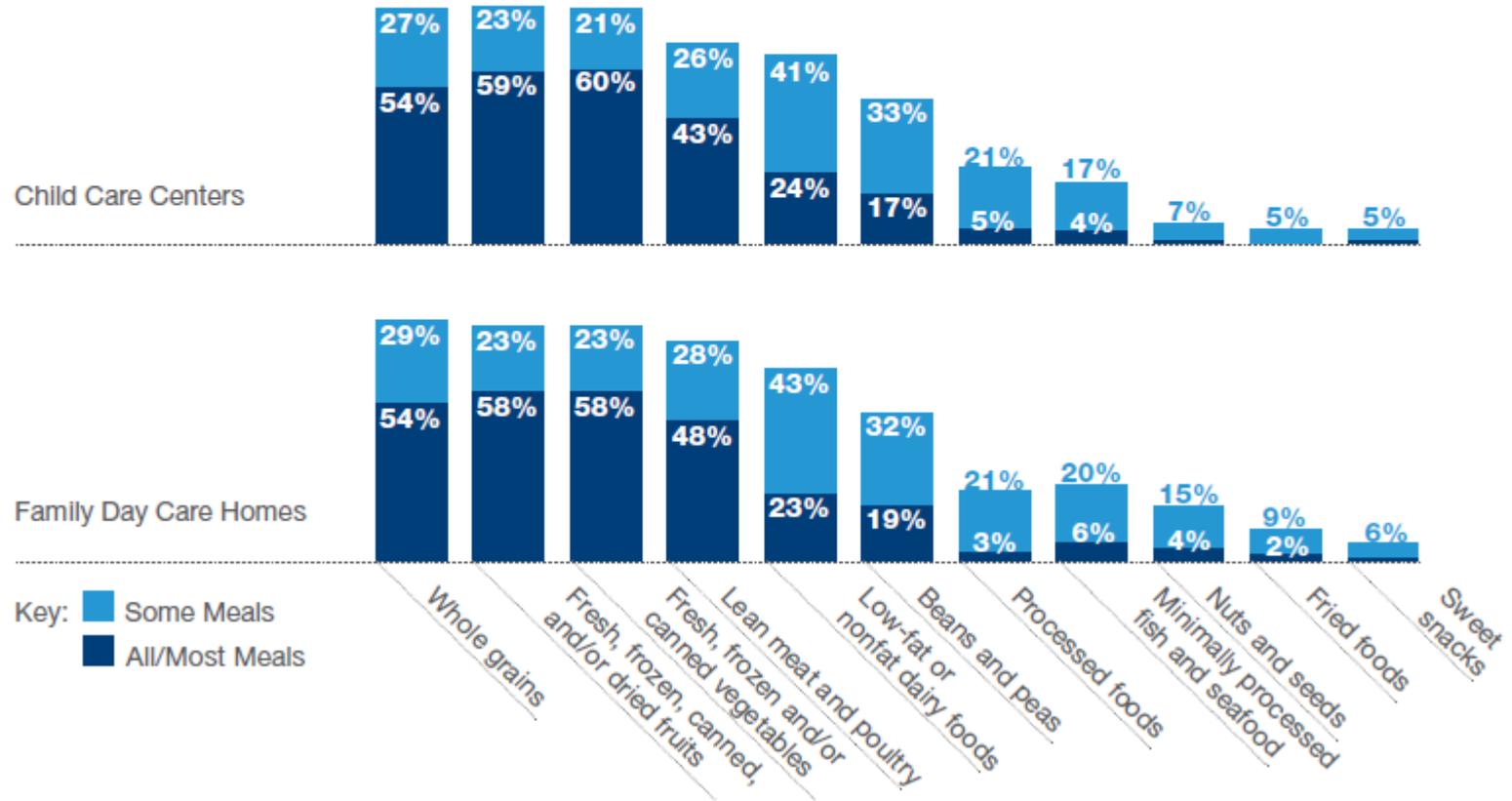
Providers who preplate meals express in focus groups that they want to know more about how to successfully implement family style service.

Recommended training and tools include:

- Measuring tools that can be used for the first serving while allowing children to take the second on their own;
- Encouraging providers to model eating so that children try new foods; and
- Helping providers accept that messes may occur as children become familiar with serving themselves.

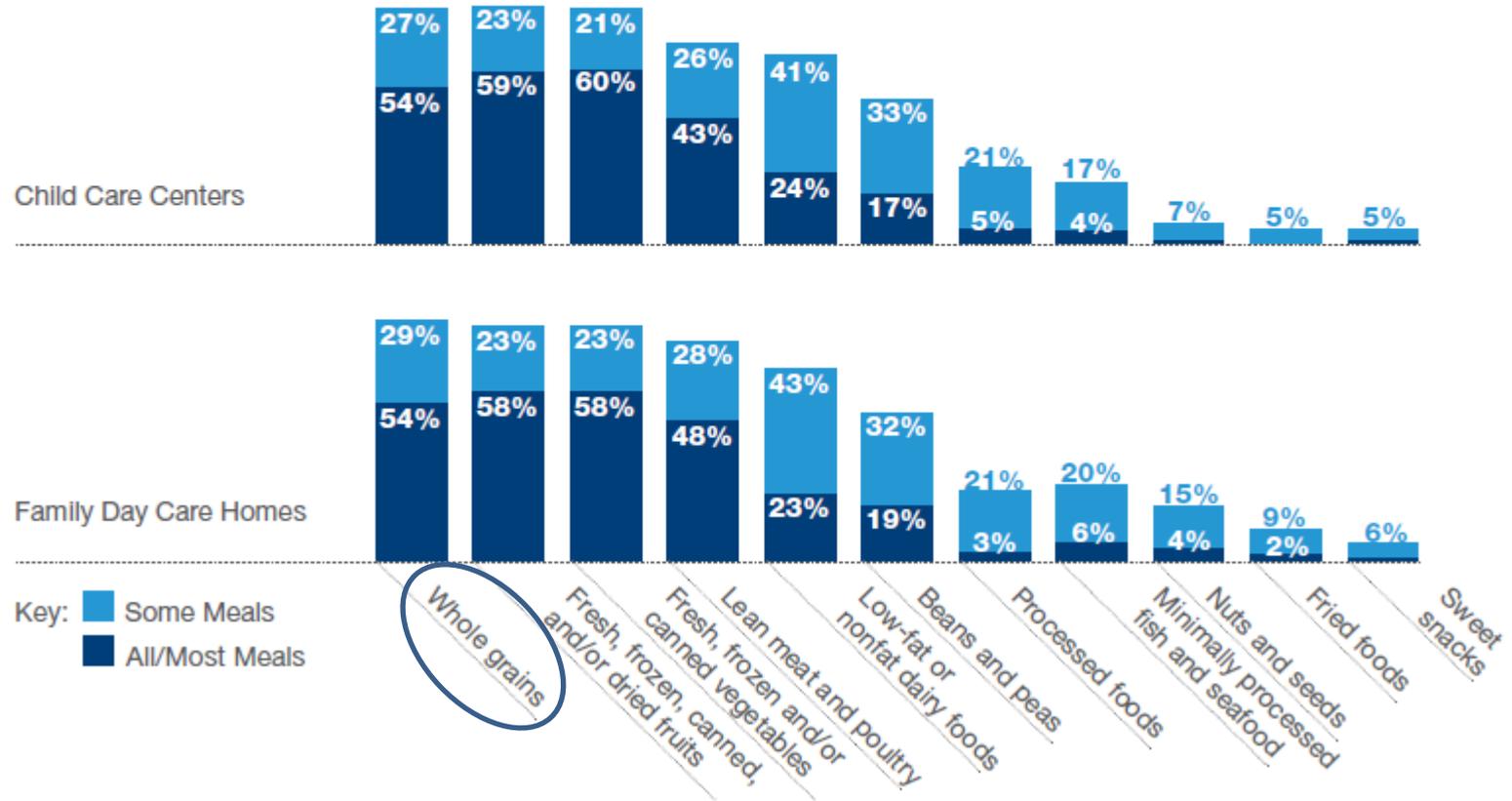
A Closer Look at Key Findings

Percent Reporting the Frequency of Food Groups Served to Children Ages 0 to 5 the Previous Day



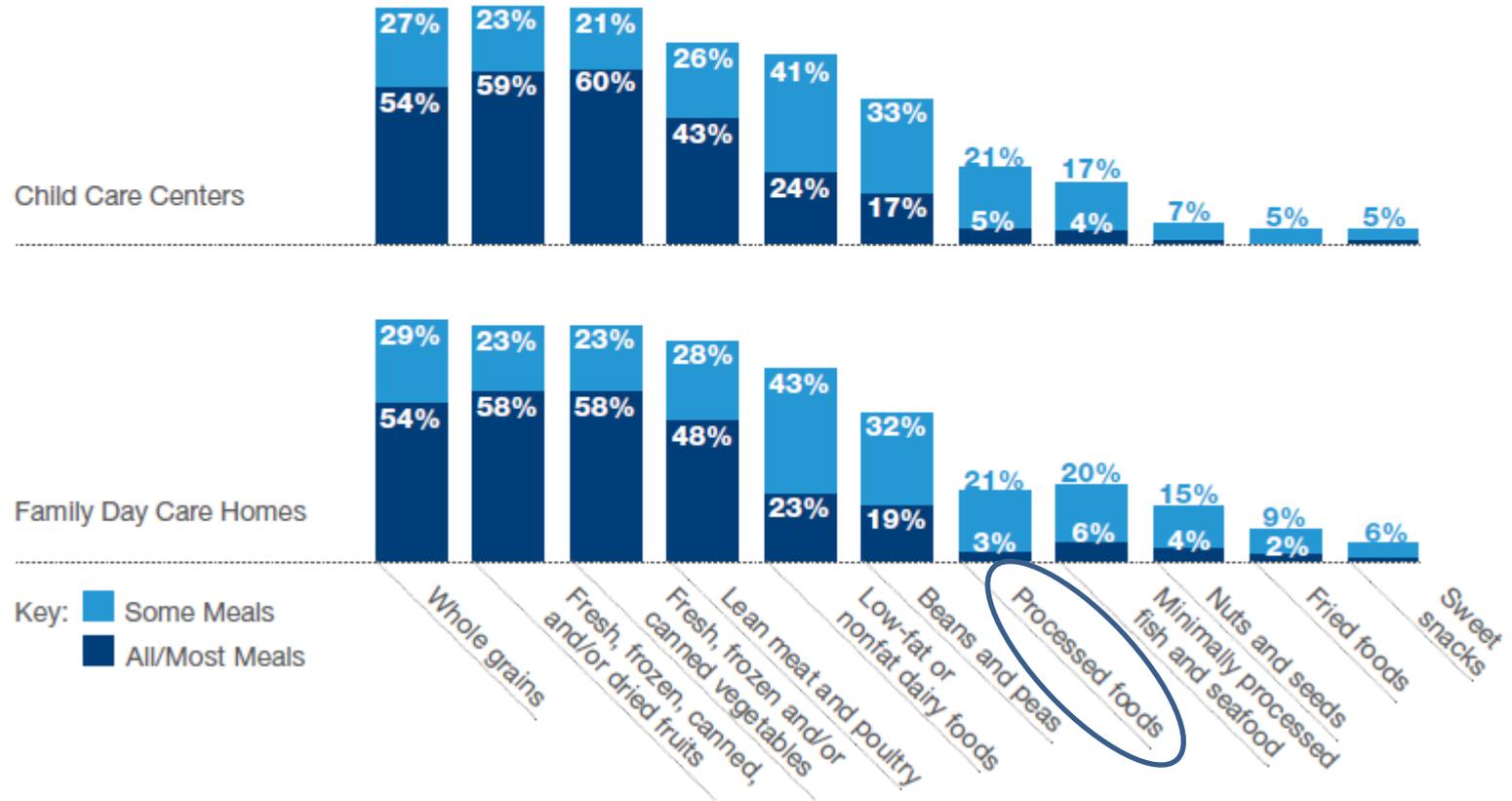
A Closer Look at Key Findings

Percent Reporting the Frequency of Food Groups Served to Children Ages 0 to 5 the Previous Day



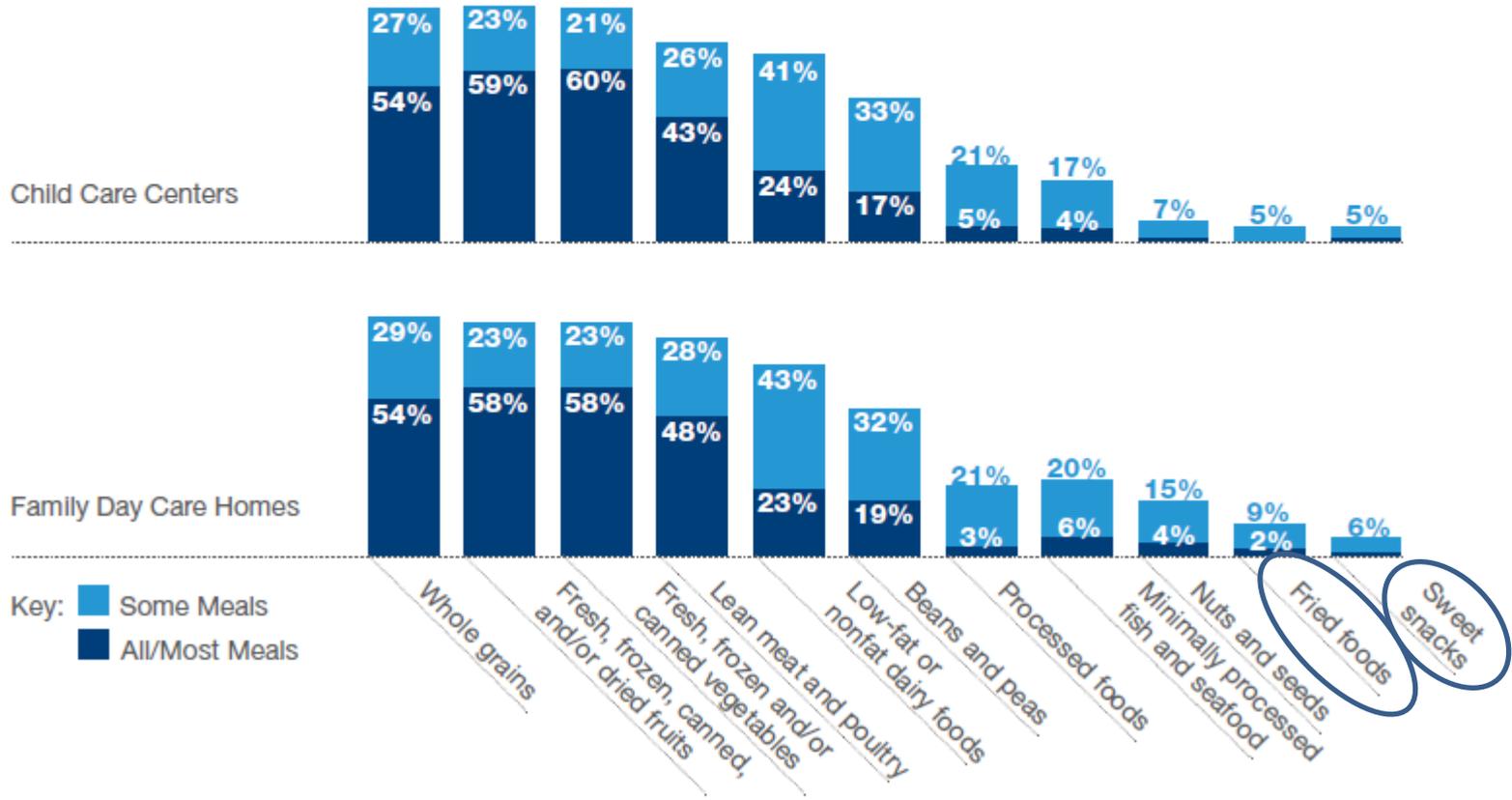
A Closer Look at Key Findings

Percent Reporting the Frequency of Food Groups Served to Children Ages 0 to 5 the Previous Day



A Closer Look at Key Findings

Percent Reporting the Frequency of Food Groups Served to Children Ages 0 to 5 the Previous Day



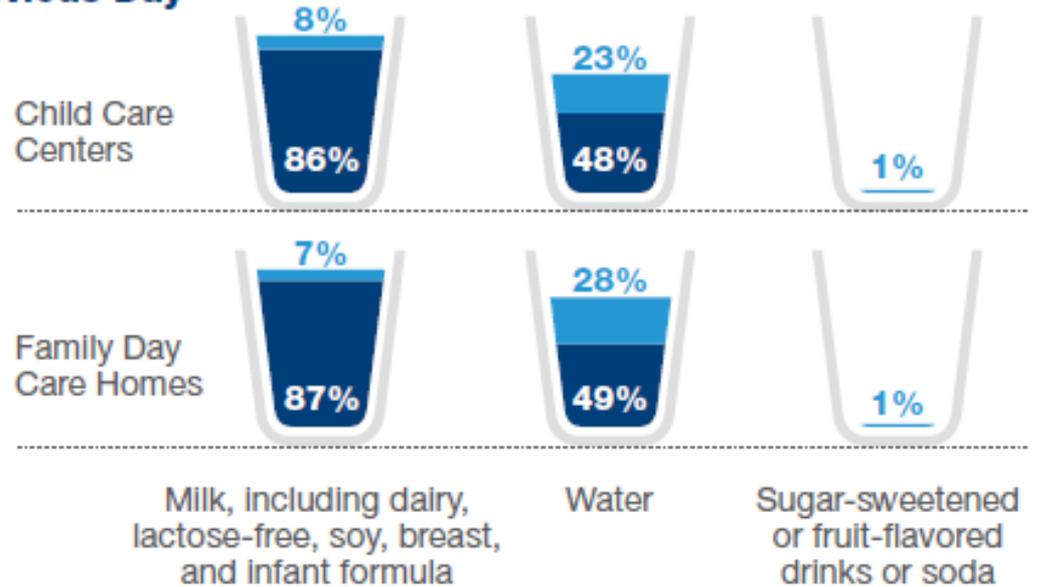
Nutrition: Food Group Categories

Fruit	•Including fresh, frozen, canned and/or dried
Vegetables	•Including fresh, frozen and/or canned
Beans and peas	•Such as black beans, kidney beans and lentils
Minimally processed fish and seafood	•Such as canned tuna and non-breaded fish filets
Lean meat and poultry	•Including beef, pork, lamb, chicken, and turkey
Nuts and seeds	•Such as almonds, peanuts and sunflower seeds, and their butters
Whole grains	•Such as oatmeal, brown rice, whole wheat bread, whole wheat pasta, and whole grain crackers
Low-fat or nonfat dairy foods	•Such as yogurt and cheese
Sweet snacks	•Such as ice cream, granola bars, doughnuts, pies, pudding, cookies, cake, and candy
Fried foods	•Such as fried chicken, French fries or potato chips
Processed foods	•Such as chicken nuggets and hot dogs

Percent Reporting the Frequency of Beverages Served to Children Ages 0 to 5 the Previous Day

Just under half specifically serve water all or most of the time, but focus group participants confirm that water is available throughout the day.

Key: Some Meals
 All/Most Meals



Percent Reporting Top Challenges to Meeting Nutrition Guidelines

State Agency Staff



75%
Cost of Food



52%
Staff Knowledge

Sponsoring Organizations



68%
Cost of Food



45%
Preparation Time

Child Care Centers



54%
Cost of Food



43%
Child Preferences

Family Day Care Homes



56%
Cost of Food



48%
Child Preferences

**Other challenges discussed
in focus groups include:**

- The availability of fresh food;
- Gaining support from parents; and
- Managing food vendors.

“ I think different ideas for when we do cooking projects, quick and simple that would help educate the children as well, that would be great.”

**Child Care Center, mixed
familiarity with Dietary Guidelines**



Suggestions to overcome nutrition challenges:

- Give providers the opportunity to share strategies among themselves that have been successful with picky eaters.
 - Improve staff knowledge with increased and more targeted trainings.
 - Provide cost-effective and seasonal produce options as well as resources and strategies for child care gardens.
 - Make menu planning both easier and less time-consuming by:
 - Supplying new, easy recipes for meals and snacks with explanations of how ingredients meet CACFP requirements,
 - Developing a mobile- or tablet-based application that builds recipes based on available foods inputted by the provider, and
 - Providing recipes that reflect cultural influences.
-

A green icon of a person riding a bicycle, with the person's legs and arms in motion, symbolizing physical activity.

Physical Activity

All groups recognize the value of age-specific physical activity guidelines

- Guidelines can help create structure.
- Some providers are less familiar with what children can do at different ages.

Time for physical activity reported by providers is what they perceive to be best practices, but not always consistent with actual recommendations.

Key factors providers consider when deciding on physical activity:

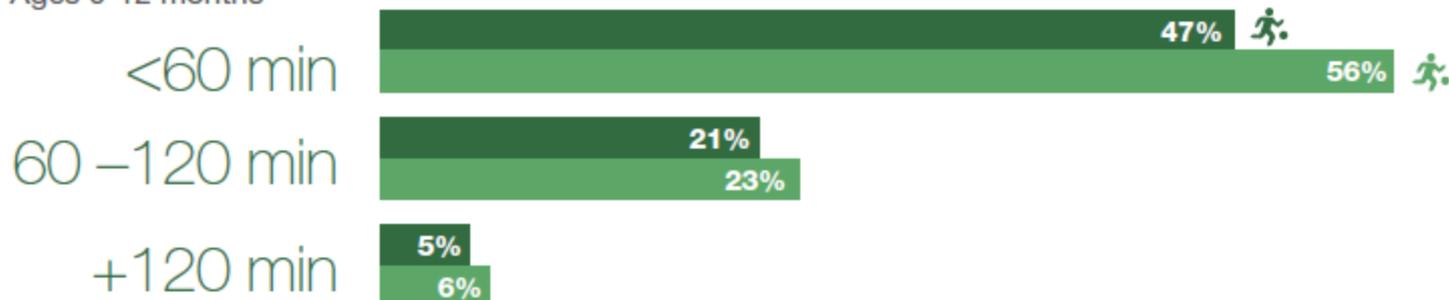
- Safety
- Caregiver-to-child ratio
- Children's clothing and footwear
- Space or equipment limitations

Key barriers to promoting physical activity:

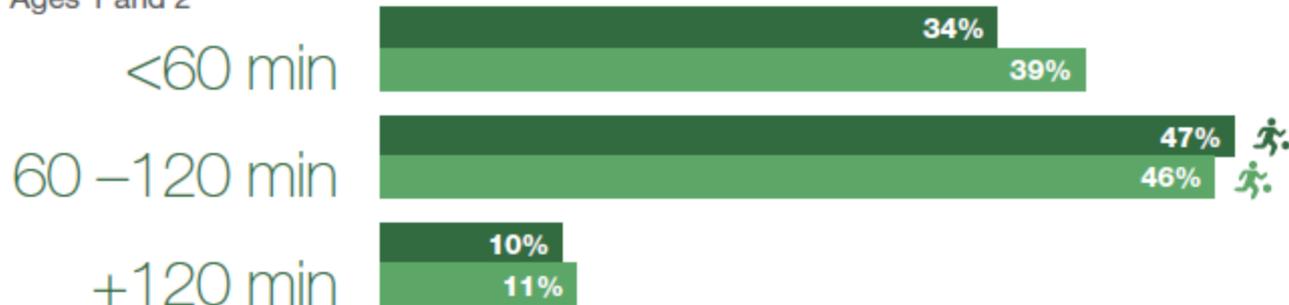
- Weather
- Finding activities conducive to smaller, indoor spaces

Percent Reporting Actual Active Time per Day by Age

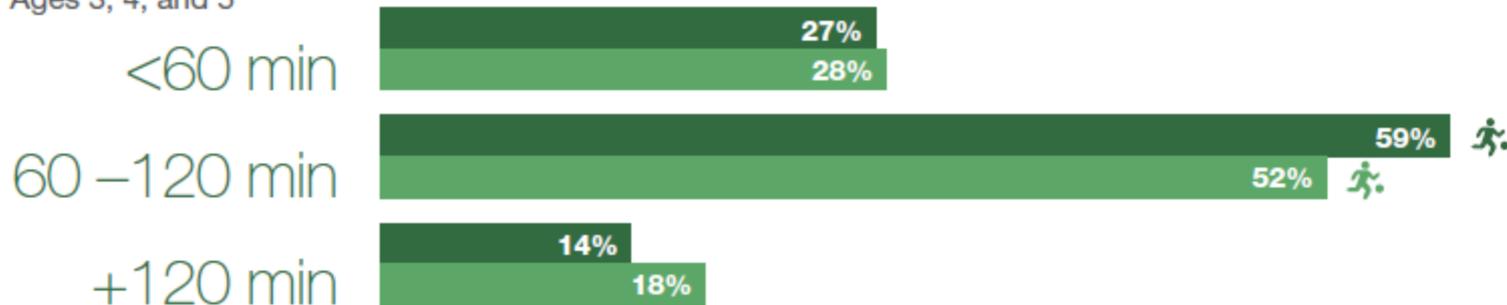
Ages 0-12 months



Ages 1 and 2

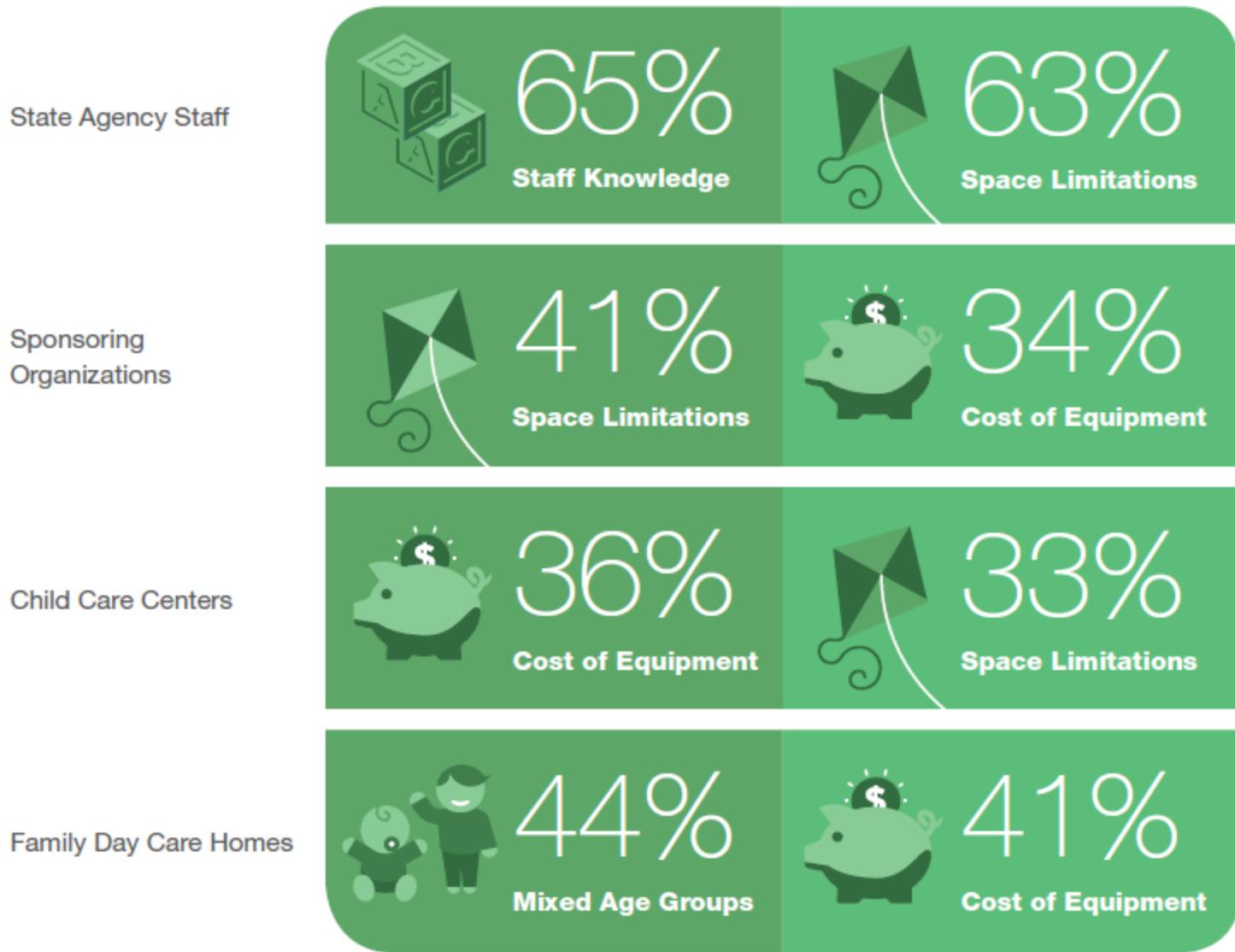


Ages 3, 4, and 5



Key:  Child Care Centers  Family Day Care Homes  Indicates the most frequently selected response by audience

Percent Reporting Top Challenges to Ensuring There are Enough Opportunities for Physical Activity



“ I think what would help more is giving actual examples of structured activity that the kids can do and of course...we don't want the kids to get hurt or they might be afraid to do it. But if it's something age appropriate to where we can find a way to get the kids all involved, then that way, we're incorporating the physical activity as part of their routine, as something that they just do normally.”

Sponsoring Organization



Electronic Media Use

Audiences differ in perceived appropriateness of use in child care settings:

- State agency staff are more likely to say young children should not be exposed to electronic media.
- Most providers and sponsoring organizations see electronic media as an asset if both limited and appropriately used.

Providers discuss primarily using electronic media for educational purposes

- Some report having well-defined strategies for limiting electronic media use.

Use is associated with age

- Younger children are allowed less screen time per day than older children.

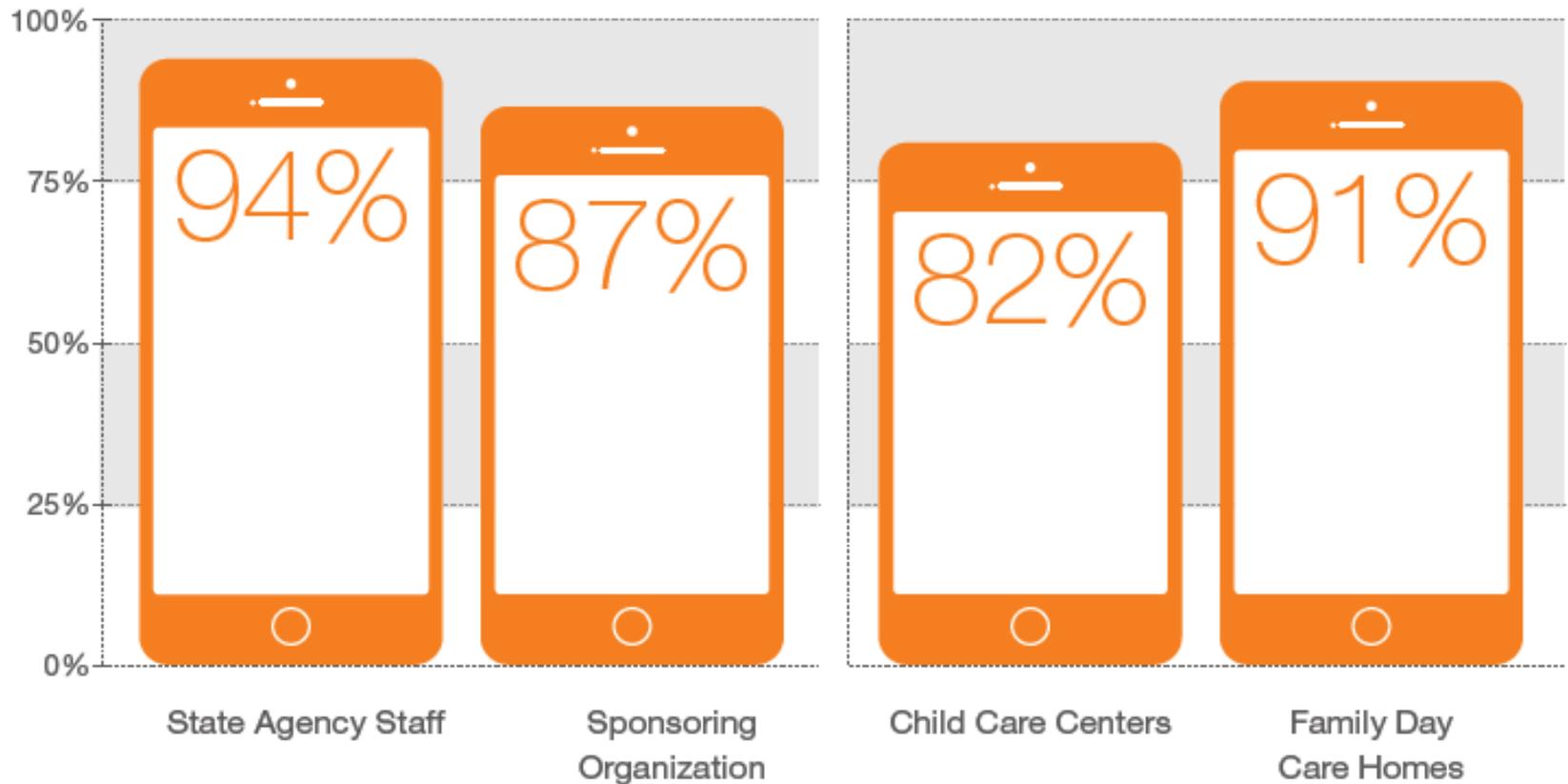
A top challenge to limiting use in child care settings:

- Finding activities for mixed-age groups

There is less interest in training on electronic media use than on nutrition and physical education.

Percent Perceived Prevalence of Electronic Media Use in Child Care Settings

Percent Reporting Electronic Media Use



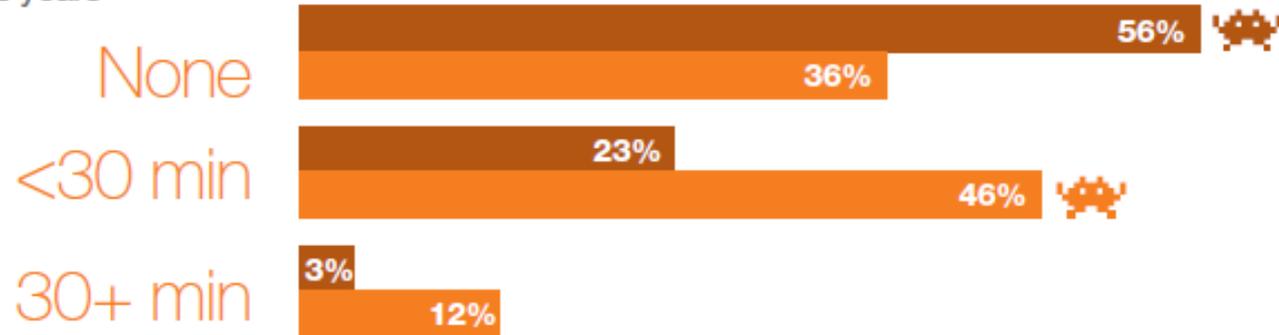
For the purposes of this research, "electronic media use" included any TV, video, and DVD watching, electronic games, computer use, and use of other electronic devices (like cell phones).

Electronic Media

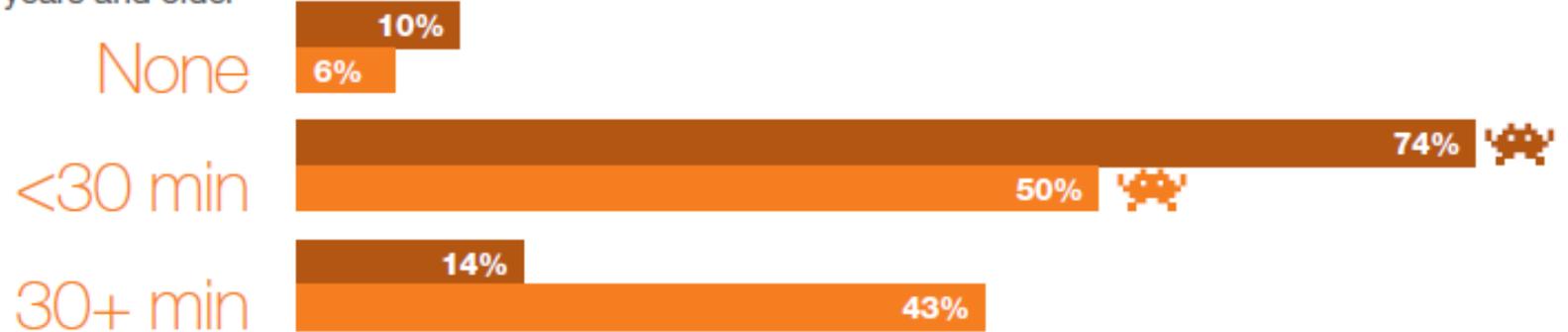
- Electronic media use is widespread in childcare settings.
- In focus groups, providers discuss primarily using electronic media for educational purposes and say that it is limited.
- Providers do, however, see a benefit to some screen time.

Percent Reporting Actual Electronic Media Use per Day by Age

Under 2 years



Ages 2 years and older



Key:



Child Care Centers



Family Day Care Homes



Indicates the most frequently selected response by audience

Percent Reporting Top Challenges to Limiting Electronic Media Use

State Agency Staff



52%
Lack of Staff Training



52%
Perception that Use is Educational

Sponsoring Organizations



27%
Lack of Staff Training



38%
Perception that Use is Educational

Child Care Centers



35%
None



18%
Mixed Age Groups

Family Day Care Homes



34%
None



31%
Mixed Age Groups

Needs Assessment

All audiences want information and training on a range of topics

- The greatest number of topics concern nutrition.
- Technical assistance and training needs and interests are aligned most clearly around nutrition over physical activity and electronic media use.

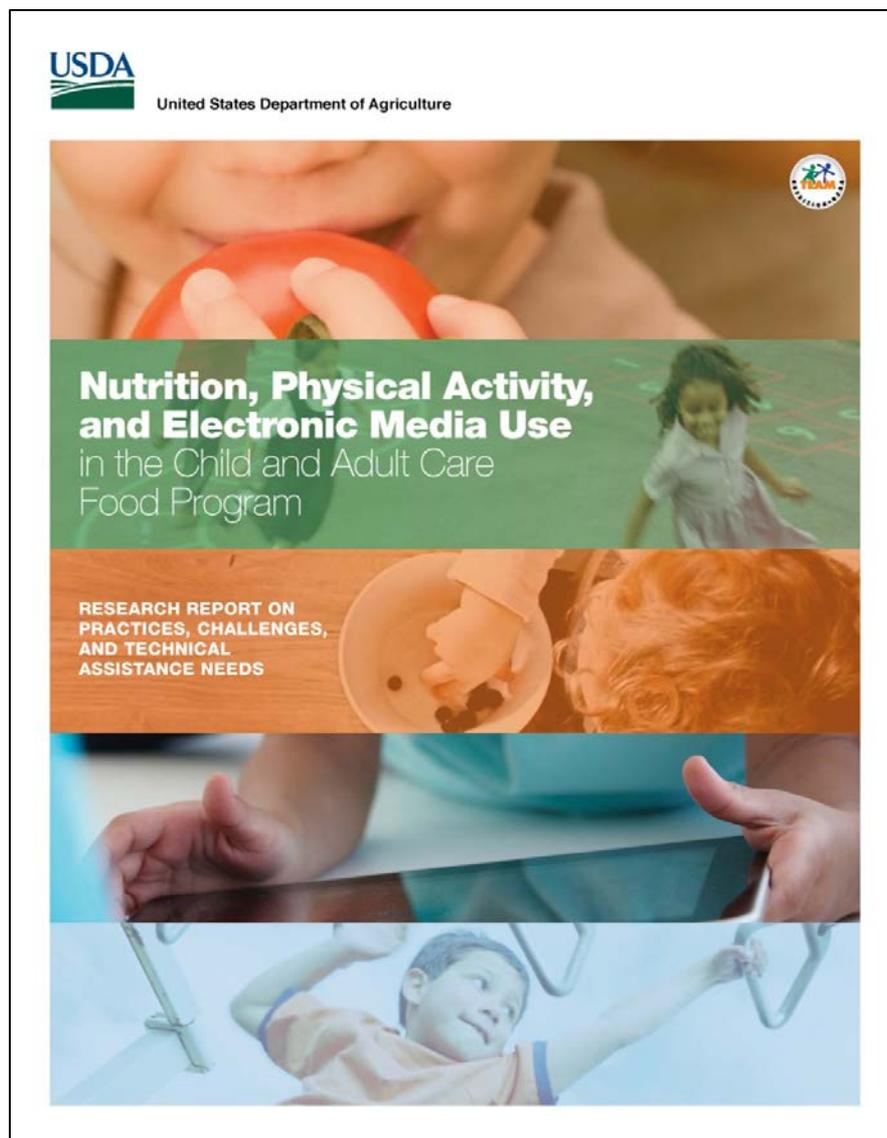
Multiple formats for delivering the same content are needed—one size will not fit all!

Preferences vary around the delivery of information and training

- Interactive training methods and peer learning, when possible, are preferred.
- Videos, webinars, and in-person training are all considered useful.
- Print materials can be shared with parents and provide expert reference for decisions and behaviors.
- Social media can play a role in helping providers communicate to parents.

Research Report

- Posted on Team Nutrition Web site
- teamnutrition.usda.gov



Team Nutrition

Print

How To Apply

- Join the Team

Popular Topics

- HealthierUS Schools
- Local Wellness Policy
- Training Grants
- Resource Library
- Graphics Library
- MyPlate
- Resource Order Form

Other Useful Links

- [Healthy Meals Resource System](#)
- [Healthy Access Locator](#)
- [Best Practices Sharing Center](#)
- [School Day Just Got Healthier](#)



Team Nutrition is an initiative of the USDA Food and Nutrition Service to support the Child Nutrition Programs through training and technical assistance for foodservice, nutrition education for children and their caregivers, and school and community support for healthy eating and physical activity.

Spotlights



Nutrition and Wellness Tips for Young Children: Provider Handbook for CACFP is now available in Spanish



Discover MyPlate Emergent Readers are back in stock!



Nutrition, Physical Activity, and Electronic Media Use in CACFP

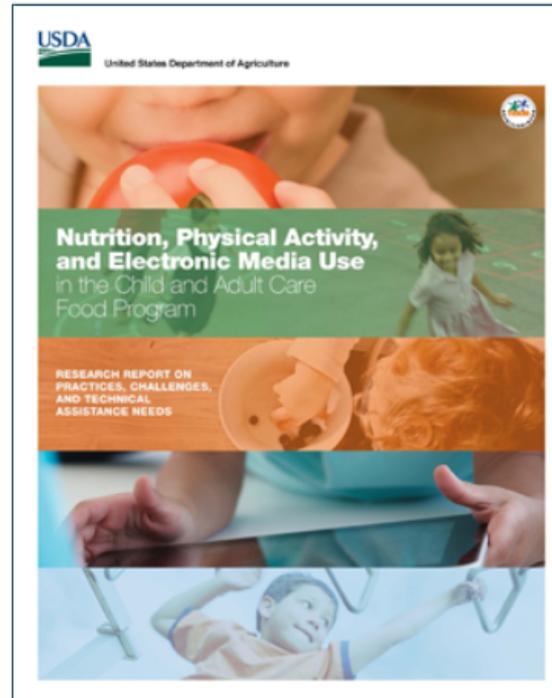


High Five Stickers now available! Encourage kids to make a MyPlate meal #GimmeFive



Nutrition, Physical Activity, and Electronic Media Use in CACFP (CACFP Research Report Booklet)

Wednesday, April 1, 2015



Nutrition, Physical Activity, and Electronic Media Use in the Child and Adult Care Food Program: Research Report on Practices, Challenges, and Technical Assistance Needs

This easy-to-read summary highlights findings that answer these questions:

- What are the biggest nutrition and wellness challenges for child care?
- What do providers need to overcome these challenges?
- What are the best ways for providers to receive training and resources?

The research was conducted in 2014 to help USDA assist child care providers in following the nutrition, physical activity, and electronic media use recommendations outlined in the Healthy, Hunger-Free Kids Act of 2010.

Child and Adult Care Food Program (CACFP) audiences nationwide (child care centers, family day care homes, sponsoring organizations and State agencies) participated in the study.

For more details on the research, including the complete report, click [here](#)

Available: in PDF, below. A free print copy of the CACFP Research Report Booklet (USDA 278) is also available, **upon request**, to State agencies, child care centers and homes, sponsoring organizations, and schools that participate in USDA's Child Nutrition Programs. Look for it in the Child Care/Preschool section of the order form.

File Upload:

How To Apply

- ▼ Join the Team

Popular Topics

- ▼ HealthierUS Schools
- ▼ Local Wellness Policy
- ▼ Training Grants
- ▼ Resource Library
- ▼ Graphics Library
- ▼ MyPlate
- ▼ Resource Order Form

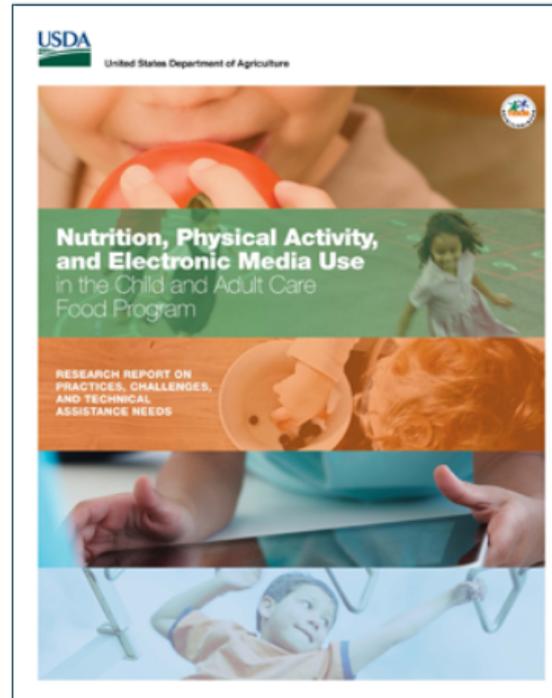
Other Useful Links

- ▼ Healthy Meals Resource System
- ▼ Healthy Access Locator
- ▼ Best Practices Sharing Center
- ▼ School Day Just Got Healthier

Nutrition, Physical Activity, and Electronic Media Use in CACFP (CACFP Research Report Booklet)

[Print](#)

Wednesday, April 1, 2015



Nutrition, Physical Activity, and Electronic Media Use in the Child and Adult Care Food Program: Research Report on Practices, Challenges, and Technical Assistance Needs

This easy-to-read summary highlights findings that answer these questions:

- What are the biggest nutrition and wellness challenges for child care?
- What do providers need to overcome these challenges?
- What are the best ways for providers to receive training and resources?

The research was conducted in 2014 to help USDA assist child care providers in following the nutrition, physical activity, and electronic media use recommendations outlined in the Healthy, Hunger-Free Kids Act of 2010.

Child and Adult Care Food Program (CACFP) audiences nationwide (child care centers, family day care homes, sponsoring organizations and State agencies) participated in the study.

For more details on the research, including the complete report, [click here](#)

Available: in PDF, below. A free print copy of the CACFP Research Report Booklet (USDA 278) is also available, **upon request**, to State agencies, child care centers and homes, sponsoring organizations, and schools that participate in USDA's Child Nutrition Programs. Look for it in the Child Care/Preschool section of the order form.

File Upload:

How To Apply

- ▼ Join the Team

Popular Topics

- ▼ HealthierUS Schools
- ▼ Local Wellness Policy
- ▼ Training Grants
- ▼ Resource Library
- ▼ Graphics Library
- ▼ MyPlate
- ▼ Resource Order Form

Other Useful Links

- ▼ Healthy Meals Resource System
- ▼ Healthy Access Locator
- ▼ Best Practices Sharing Center
- ▼ School Day Just Got Healthier

Formative Research on Nutrition, Physical Activity, and Electronic Media Use in the Child and Adult Care Food Program

Monday, March 9, 2015

This report includes findings from formative research undertaken to help USDA assist child care providers in following the nutrition, physical activity, and electronic media use recommendations outlined in the Healthy, Hunger-Free Kids Act of 2010. Results and analyses in this report are based on two studies: 1,402 structured qualitative interviews (SQIs) of a diverse population of child care centers, family day care homes, CACFP sponsoring organizations, and State agencies; and 7 focus groups among the same audiences.

- [Report Summary](#)
- [Full Report](#)
- [Appendix 1](#)
- [Appendix 2](#)
- [Appendix 3](#)

Last Published: 03/09/2015

Moving Forward

- Revise current resources/develop new ones
 - Findings from research
 - Input from interagency workgroup
 - Policy changes
 - Meal pattern changes

CACFP Wellness Resources for Child Care Providers (Web site)

- One-stop shop for nutrition, physical activity and screen time resources
- Revamping to make more user-friendly

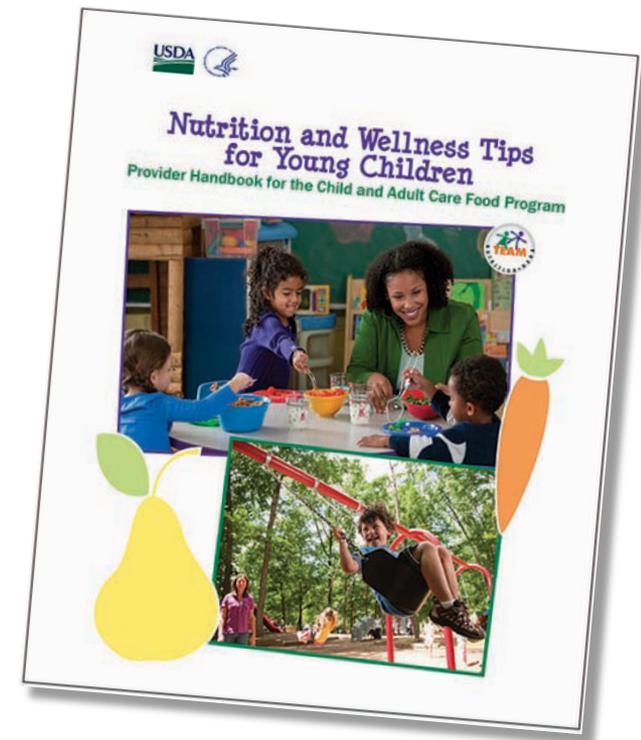


Currently available at:

<http://healthymeals.nal.usda.gov>

New Supplements to the Handbook!

- *Encourage Healthful Foods*
 - Offering new foods
 - “Nudging” healthy foods
 - “Smarter Lunchrooms” for child care
- *Create a Positive Meal Environment*
 - Making the transition to mealtime
 - Involving children in mealtime
 - Being a good role model



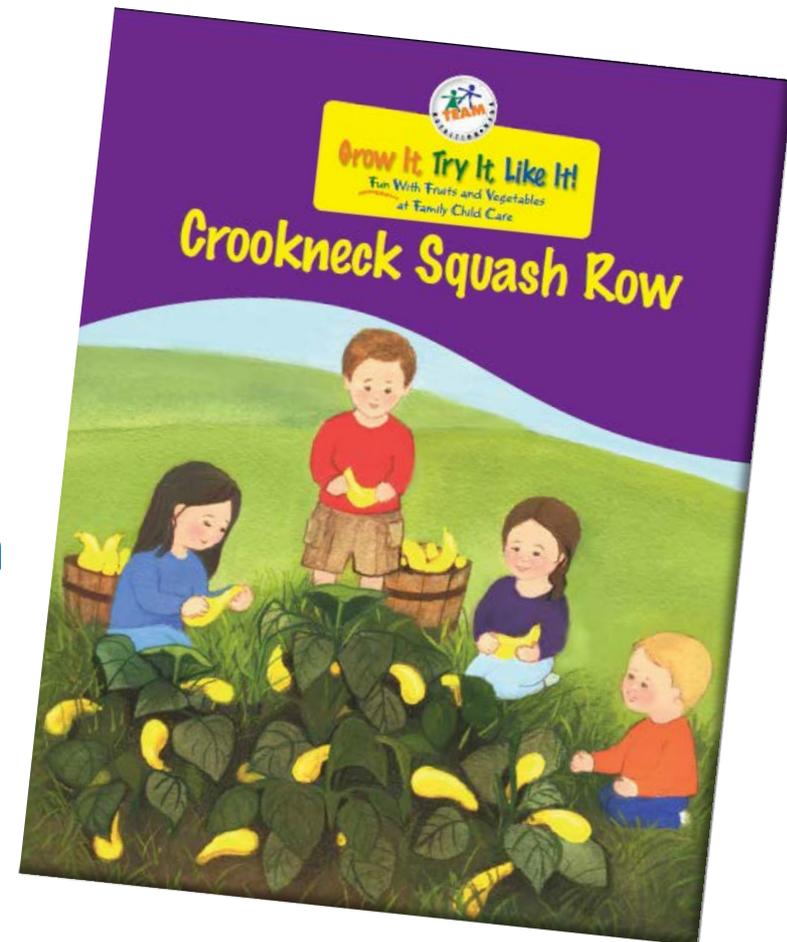
CACFP Multi-Cultural Recipes

- Resource In Development
 - Recipes from around the world
 - Tips for using traditional foods
 - Nutrition education lessons
 - Parent handouts
- Workgroup subcommittee collecting recipes



Grow It, Try It, Like It!

- *Fun With Fruits and Vegetables at Family Child Care*
 - Redesign of tool kit for family child care
 - Incorporates feedback from Advisory Group and providers!



Grow It, Try It, Like It!

- **Crediting Tips**
 - Integrate activities with meals or snacks

Crediting Tip

If you plan to serve the squash from this activity at snack time, be sure to offer each child the correct amount of squash to count towards the Fruit/Vegetable component:

Ages 1 – 2: ½ cup

Ages 3 – 5: ½ cup

Ages 6 – 12: ¾ cup

Grow It, Try It, Like It!

- Messages for Parents
 - Ideas to text or tell
 - “Growing at Home”
 - Parent letter
 - Recipe
 - Coloring activity

Messages for Parents

Text or tell parents:

- “Your child learned what crookneck squash looks and feels like.”
- “Your child tasted crookneck squash today.”

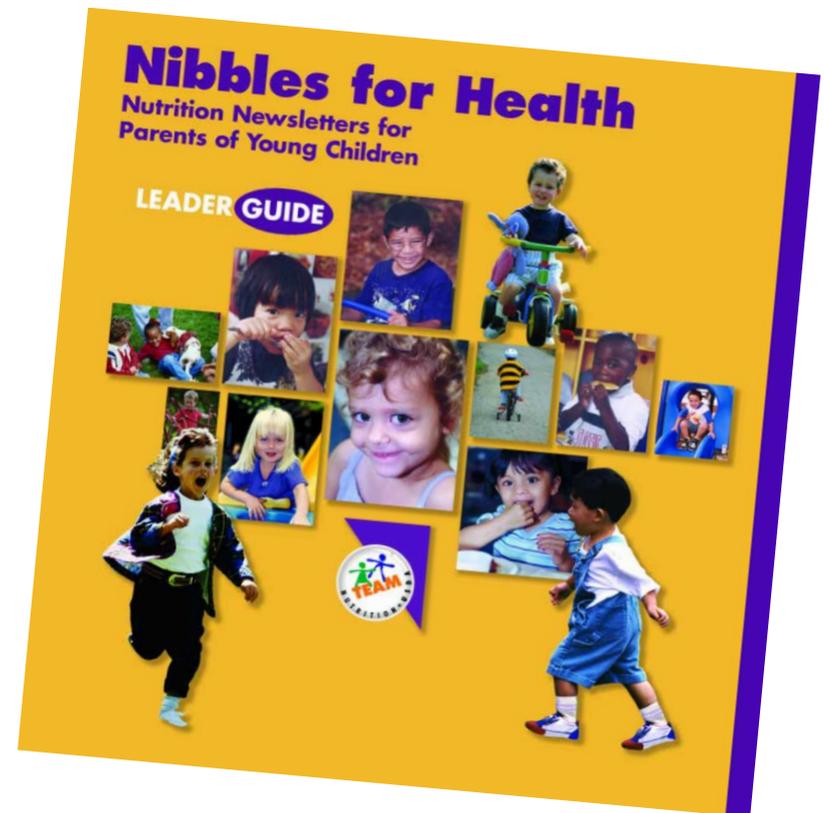
Grow It, Try It, Like It!

- Movement Activities
 - Part of every day's activities
- “Crookneck Says” (like Simon Says)
- Fruit and Vegetable Yoga



Messages for Parents

- Nibbles for Health
 - Parent newsletters
 - Available online
 - Undergoing revision





Andrea Farmer

andrea.farmer@fns.usda.gov

