BEST PRACTICES FOR HEALTHY EATING



A GUIDE TO HELP CHILDREN GROW UP HEALTHY



This document is strictly informational and intended solely for educational, non-commercial use. The content of this document is the property of The Nemours Foundation through its Division of Health and Prevention Services, and is protected by copyright with all rights reserved. You agree to retain this notice, along with all copyright and other proprietary notices on any copy you make of such material.

This document contains information about children's health promotion but is not intended as the delivery of any particular health service. This means that information contained in this document is not intended as health care advice and is not a substitute for health care advice one receives or should receive from their health care provider. Health-related questions should be directed to a qualified health care practitioner.

Nemours Health & Prevention Services (NHPS), a nonprofit organization based in Newark, Delaware, works with families and community partners to help children grow up healthy. Our goal is to effect long-term changes in the policies and practices that promote child health and to leverage community strengths and resources to have the greatest impact on the most children.

NHPS is a division of Nemours, one of the nation's largest pediatric health systems, which operates the Alfred I. duPont Hospital for Children in Wilmington, Delaware, as well as outpatient facilities throughout Delaware, Pennsylvania, New Jersey, and Florida. NHPS expands Nemours' reach beyond clinical care to consider the health of the whole child within his or her family and community.

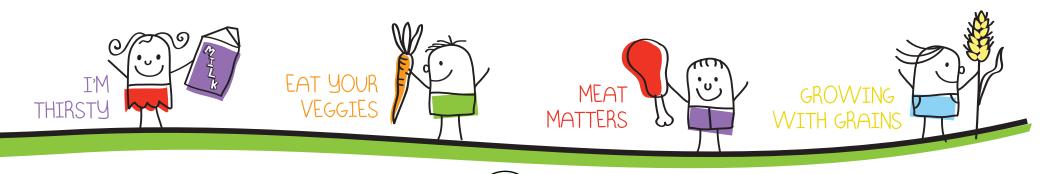
At NHPS, we see our role as "catalyst," planting the seeds for better health by working with community partners to reach children in a variety of settings. One of our initial areas of emphasis has been childhood obesity prevention through the promotion of healthy lifestyles, the centerpiece of which has been the 5-2-1-Almost None campaign. That means eating at least 5 fruits and vegetables daily, spending no more than 2 hours on screen time activities, getting at least 1 hour of physical activity, and drinking almost no sugar sweetened beverages.

In Delaware we have also partnered with the Delaware Department of Education and its Child and Adult Care Food Program (CACFP) to introduce best practices in child nutrition. We are very pleased that the West Virginia CACFP office is introducing these guidelines in your state.



contents

Introduction	a-3
Beverage Guidelines	Birth - 11 months 6 - 7 1 - 2 years 8 - 9 3 - 5 years 10 - 11 6 - 12 years 12 - 13
Fruit and Veggie Guidelines	Birth - 11 months
Meat and Meat Alternates	Birth - 11 monthsaa - a3 1 - a yearsa4 3 - 5 yearsa5 6 - 1a yearsa6
Grain and Bread Guidelines	Birth - 11 months
Appendix	



INTRODUCTION

Together with West Virginia's Child and Adult Care Food Program (CACFP), Nemours Health and Prevention Services (NHPS) is providing this best practice nutrition guide to help young children in our state develop healthy eating habits early in life.

In West Virginia, approximately 37% of our children are overweight or obese and are at high risk for developing serious health problems such as hypertension and type 2 diabetes. NHPS is joining with West Virginia's CACFP to develop programs that translate current research into best practices for our children.

Children who are given healthy food options during early childhood are more likely to continue healthy eating habits when they are older. You and your program play an important part in introducing your children to healthy food, by both providing nutritious food and teaching children how to make healthy food choices. By sharing information with families, you can work with them as partners to support healthy children.

The purpose of this guide is to provide you with information on how to help the children in your care grow up healthy. In this guide you will find:

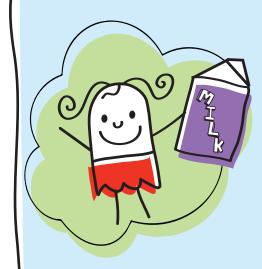
- Healthy food guidelines for beverages, fruits and vegetables, milk, meats and meat alternates, and grains and breads.
- Portion sizes that are based on the CACFP reimbursable meal guidelines.
- Rationale for the recommendations.
- Sample policies that you can use in your program and with families to support your work.

Hungry or Full?

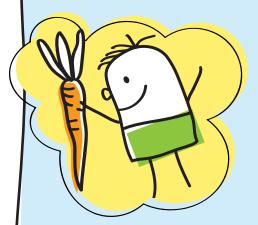
Most infants and young toddlers can figure out when they are full and stop eating if permitted. It's amazing to watch young children over the course of the week; they eat as much as they need to grow! However, as the toddler becomes a preschooler, we place more food on the plate and he can lose that sense of when to stop, and continues eating even when he is not as hungry.

For infants

- Look for hunger cues. Infants have different ways of showing they are hungry but common hunger cues include rooting or trying to put a fist in their mouth.
- When the infant cries, look to see what else could be bothering her before immediately feeding. An infant who cries may not be hungry. A need for sleep, affection or a diaper change may also be the cause.
- When the infant becomes distracted and sucking stops or becomes less frequent, take the bottle and see if he still roots for it. The infant may be using the bottle as a pacifier after he has fulfilled his hunger needs.
- Look for milk running out of the infant's mouth. An infant may let the bottle stay in her mouth even after she is full.
- It is not necessary to finish off a bottle, container of food or food on the plate. Even when there is an ounce left, if an infant is full, let him stop eating. If you are worried about wasting breast milk or iron-fortified infant formula, give smaller amounts and add more if the infant is still hungry.



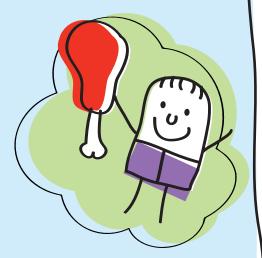




Healthu







For toddlers and older children

- Little tummies need small portions. Just like adults, when there is a large amount of food on the plate, children will eat it. Therefore, start small and ask them if they are hungry before serving or allowing second servings. This will also reduce food waste and save money!
- Serve family style children will learn to put the right amount on their plates from the start.
- Create a positive eating environment by listening when a child says she is full. Discourage the "clean your plate" habit. A toddler may not say she is full, but she may start playing, become distracted, shake her head "no," close her mouth and refuse to finish the food on her plate.
- Sit with the children and let them see you eat when you are hungry and stop eating when you are full, even if there is food on your plate. Explain what you are doing.
- Complaints of being hungry, especially when a child has just eaten, may be due to other triggers such as boredom, TV advertising or seeing another person eating.

What about those "picky eaters"?

It is natural for children to be cautious with new foods. We know that for young children, it can take 10 to 15 times of actually putting the food in their mouths before they will come to like it. We also know that some children are especially cautious about trying new foods, while others use food as a way to be in control.

Use these strategies to create a positive environment and minimize the struggles for trying new foods.

For infants

- Don't be discouraged by a frown. Infants naturally prefer salty and sweet tastes, so for some fruits and vegetables, it may take 10 to 15 tries for a child to accept the new food. Don't give up.
- When offering a new food, serve the infant a food they are familiar with and like. You could try alternating bites between the new food and the familiar food.

For toddlers and older children

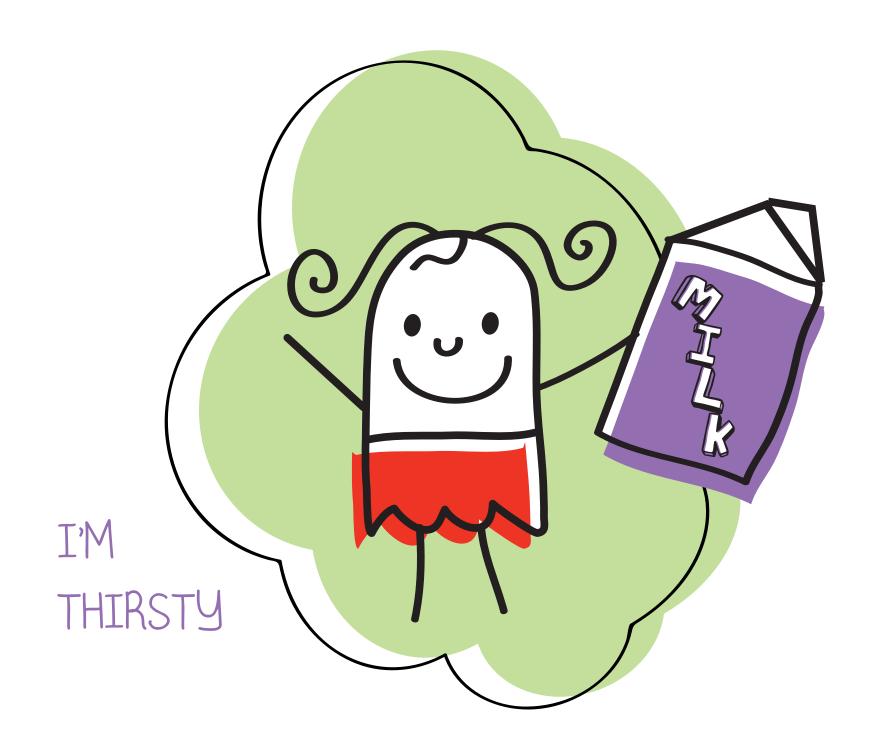
- Create a routine that everyone should try and taste new foods offered at your center. It's the rule at your table. However, do not force them to finish more than they want.
- Put a very small portion on the plate to try (like two peas). Young children may be concerned that they
 won't like the new food, so help them by putting a small amount on their plates it looks less overwhelming.
- Always offer healthy foods or create a policy that requires parents to provide healthy foods in lunches and snacks – especially ensuring that parents provide plenty of fruits and vegetables.
- Avoid rewarding good behavior or a clean plate with foods of any kind. Especially avoid forcing a child to finish the "healthy foods" to get to their dessert or sweets – this can make the healthy food seem like punishment and force the child to eat when they are full.
- Offer desserts rarely so children do not expect them at every meal. When children come to expect dessert, they may not eat the healthier foods or they may see desserts as a reward for eating healthy food. By not having dessert as a regular option, you minimize this struggle.
- When introducing a new food, make it a game or lesson. Again, it can take up to 10 to 15 tries for a child to accept a new food. Try offering the new food outside the meal time. You can make it a classroom lesson and then have children who are interested in trying the new food take a taste and share their perceptions. This method creates a desirability to try the new food.



A Note on Breastfeeding

The American Academy of Pediatrics (AAP) recommends exclusive consumption of breast milk for at least the first four to six months of life. This is followed by the gradual introduction of solid foods beginning at age 4 to 6 months. Breastfeeding should still continue until 12 months of age or longer.

As a childcare provider, you can support breastfeeding by developing policies and practices to provide breast milk exclusively.







AGE	GO RECOMMENDED	NOT RECOMMENDED
0 - 3 months	Breast milk (preferred) Iron-fortified infant formula	Other foods at this age
4 - 7 months	Breast milk (preferred) Iron-fortified infant formula	Food or drink other than breast milk and/or iron-fortified infant formula in a bottle unless medically necessary Cow's milk or lactose-free milk or nutritionally-equivalent beverages like soy or rice milk
8 – 11 months	Breast milk (preferred) Iron-fortified infant formula Water with no added sweeteners	 100% fruit and vegetable juices (with no added sweeteners) until 12 months of age Soft drinks Sports/energy drinks Sugary beverages including fruit-based drinks with added sweeteners, sweetened iced teas, punch, etc. Artificially sweetened beverages including diet soft drinks, teas, lemonade, etc. Caffeinated beverages

6

Why is juice not recommended for infants until 12 months of age or older?

We recommend whole fruits and vegetables, rather than juice, for infants during the first year of life because they provide nutrients and fiber that may be lost in the processing of juice.

Why should no food or drink other then breast milk or iron-fortified infant formula be served in the bottle?

- Food added to a bottle does not help infants sleep through the night.
- This practice deprives infants of the opportunity to learn to regulate their food intake.

Why are sugary beverages not recommended?

- Sports and soft drinks are high in calories and low in key nutrients.
- Breast milk or iron-fortified formula and water are the only beverages recommended for children during their first 12 months to meet their nutrient needs.
- Consumption of sugary beverages is associated with:
 - Calcium deficiency because sugary beverages displace milk.
 - Tooth decay.
 - Overweight or obesity.

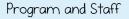
Portion Size

Watch for hunger and fullness cues. Signs of hunger in infants may be: sucking noises or sucking on fist or fingers, fussiness, or crying.

Signs of fullness may be: sealing the lips together, decreasing the amount of sucking, spitting out or refusing the nipple, pushing or turning away from the breast or bottle.

AGE	ITEM	MEALS	SNACKS
0 - 3 months	Breast milk (preferred) Iron-fortified infant formula	4 -	6 oz.
4 - 7 months	Breast milk (preferred) Iron-fortified infant formula	Approximately 4 - 8 oz.	4 - 6 oz.
	Water with no added sweeteners	Small amount can be given after breas milk or iron-fortified infant formula. Wate can be used for practicing cup use.	
8 – 11 months	Breast milk (preferred) Iron-fortified infant formula	Approximately 6 - 8 oz.	2 - 4 oz.
	Water with no added sweeteners	Small amount can b milk or iron-fortified i	e given after breast nfant formula.

Sample policy support for program, staff, and family handbooks



Ο

- Breastfeeding is encouraged and supported for infants of breastfeeding mothers. If a mother wishes to breast feed exclusively, the program will make every effort to provide breast milk to the child and supplement only when breast milk is gone.
- To support children's healthy eating habits, hunger and fullness cues will be observed and supported.
- Following the American Academy of Pediatrics recommendations, this program will not serve any food or drink other than breast milk and/or iron-fortified infant formula in a bottle unless medically necessary.
- We at (name of the program) are committed to our children's health. We recognize the importance of the staff as positive role models for the children as they learn to live healthy lives. Therefore, the staff will not drink soda and sugary beverages in front of the children in their care.
- We at (name of the program) are committed to children's nutrition and recognize the importance of adults as positive role models on children's behavior. Therefore, during functions or meetings at the center, we will only permit water, milk, or 100% fruit juice to be served.

O Families

• Providing good nutrition for your child is a partnership. We serve healthy meals and snacks in our program and our staff model healthy eating behaviors throughout the day. We ask for your support by not packing any food or drink other than breast milk and/or formula in a bottle unless medically necessary.



Following the American Academy of Pediatrics recommendations, our program will encourage children over a year of age to exclusively use a cup instead of a bottle.



RECOMMENDED

- For children aged 1-2 years: whole milk
- For children ages 24+ months: 1% or fat-free milk
- Water with no added sweeteners
- 100% fruit and vegetable juices with no added sweeteners

LIM

 100% fruit and vegetable juices (with no added sweeteners) to no more than 1/2 cup (4 oz.) per day

STOP

NOT RECOMMENDED

- Soft drinks
- Sports/energy drinks
- Sugary beverages including fruit based drinks with added sweeteners that contain less than 100% real fruit juice, sweetened iced teas, punch, etc.
- Artificially sweetened beverages including diet soft drinks, teas, lemonade, etc.
- Caffeinated beverages

Portion Size

ITEM	MEALS	SNACKS	
Water	Exempt from portion limit		
100% Fruit & Vegetable Juices with no added sweeteners	No more than 1/2 cup (4 oz.) per day		
Milk	Whole milk for children 12 to 24 months	1/2 cup (4 oz.)	
	1% or fat-free for childen 24+ months		
	1/2 cup (4 oz.) during meals for children 1 - 2 years old		

Why milk?

- Low calcium intake is one of the more significant nutrient deficiencies identified in Healthy People 2010. Milk and milk products are high in nutritional value and provide calcium, protein, and Vitamin D for bone growth and development.
- The American Academy of Pediatrics recommends the daily consumption of milk, cheese, yogurt, and other calcium-rich foods to help build strong bone mass in all growing children and adolescents.

Why whole milk for children younger than 2 years old?

- The American Academy of Pediatrics recommends serving whole milk to children under 2 years of age.
- Whole milk provides some fats that are necessary for early growth and brain and spinal cord development.

Why 1% or fat-free milk for children aged 2 years and older?

- The American Academy of Pediatrics recommends serving 1% or fat-free milk to children aged 2 years and older.
- 1% and fat-free milk contain as much calcium and Vitamin D as 2% and whole milk without the extra calories and saturated fat.

Why limit juice?

- The Dietary Guidelines for Americans recommends limiting juice to one 4-ounce serving a day in younger children.
- Excessive juice consumption may be linked to overweight or obesity.
- Excessive juice consumption is associated with tooth decay and diarrhea in children.
- Whole fruits and vegetables are preferred to juice because they provide nutrients and fiber that may be lost in the processing of juice.

Why are sugary beverages not recommended?

- Sports and soft drinks are generally high in calories and low in nutrients.
- Consumption of sugary beverages is associated with:
 - Calcium deficiency because sugary beverages displace milk.
 - Overweight or obesity.
 - Tooth decay.

Why no diet beverages or artificial sweeteners?

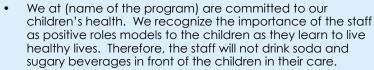
 Children have little tummies and while diet and artificially sweetened beverages have few calories, they may displace the intake of more nutritious drinks such as 1% or fat-free milk that children need in order to grow.

Why no other food or drink in the bottle?

- By age 1, all children should be drinking exclusively from a cup.
- Tooth decay is linked to using a bottle after 12 months of age.

Sample policy support for program, staff, and family handbooks

Program and Staff



- We at (name of the program) are committed to children's nutrition and we recognize the importance of adults as positive role models on children's behavior. Therefore, during any functions or meetings, we will only permit water, milk, or 100% juice to be served.
- We will only serve:
 - Whole milk for children younger than 2 years old
 - 1% or fat-free milk for children aged 2 years and older
- Following the American Academy of Pediatrics recommendations, our program will encourage children over a year of age to use a cup exclusively, instead of a bottle.
- Following the American Academy of Pediatrics recommendations, this program will not serve any food or drink, other than breast milk and/or iron-fortified infant formula, in a bottle unless medically necessary.
- Water will be clearly visible and available to the children at all times (indoors and outdoors).
- We will continue supporting families who are breastfeeding beyond 12 months.

Families

- Providing good nutrition for your child is a partnership.
 We serve healthy meals and snacks in our program and our staff model healthy eating behaviors throughout the day.
 We ask for your support by:
 - Packing healthy lunches and snacks including only water, milk, or 100% juice (limit to 1/2 cup or 4 oz.).
 When packing milk please provide:
 - Whole milk for children younger than 2 years old
 - 1% or fat-free milk for children aged 2 years and older
 - Bringing healthy foods for celebrations and holiday parties, including water, milk, or 100% juice. When packing milk please provide:
 - Whole milk for children younger than 2 years old
 - 1% or fat-free milk for children aged 2 years and older

BEVERAGE GUIDELINES









STOP

RECOMMENDED

- 1% or fat-free milk
- Water with no added sweeteners
- 100% fruit and vegetable juices with no added sweeteners

LIMIT

• 100% fruit and vegetable juices to no more than 1/2 cup (4 oz.) per day

NOT RECOMMENDED

- Soft drinks
- Sports/energy drinks
- Sugary beverages including fruit based drinks with added sweeteners that contain less than 100% real fruit juice, sweetened iced teas, punch, etc.
- Artificially sweetened beverages including diet soft drinks, teas, lemonade, etc.

10

Caffeinated beverages

Portion Size

ITEM	MEALS	SNACKS
Water	Exempt from portion limit	
100% Fruit & Vegetable Juices with no added sweeteners	No more than 1/2 c	up (4 oz.) per day
1% or fat-free milk	3/4 cup (6 oz.)	1/2 cup (4 oz.)

Why milk?

- Low calcium intake is one of the more significant nutrient deficiencies identified in Healthy People 2010. Milk and milk products are high in nutritional value and provide calcium, protein, and Vitamin D for bone growth and development.
- The American Academy of Pediatrics recommends the daily consumption of milk, cheese, yogurt, and other calcium-rich foods to help build strong bones in all growing children and adolescents.

Why 1% or fat-free milk for children aged 2 years and older?

- The American Academy of Pediatrics recommends serving 1% or fat-free milk to children aged 2 years and older.
- 1% or fat-free milk contain as much calcium and Vitamin D as 2% and whole milk without the extra calories and saturated fat.

Why are sugary beverages not recommended?

- Sports and soft drinks are high in calories and low in nutrients.
- Consumption of sugary beverages is associated with:
 - Calcium deficiency because sugary beverages displace milk.
 - Overweight or obesity.
 - Tooth decay.

Why limit juice?

- The Dietary Guidelines for Americans recommends limiting juice to one 4-ounce serving a day in younger children.
- Excessive juice consumption may be linked to overweight or obesity.
- Excessive juice consumption is associated with tooth decay and diarrhea in children.
- Whole fruits and vegetables are preferred to juice because they provide nutrients and fiber that may be lost in the processing of juice.

Why no diet beverages or artificial sweeteners?

• Children have little tummies and while diet and artificially sweetened beverages have few calories, they may displace the intake of more nutritious drinks such as 1% or fat-free milk that children need in order to grow.

 γ

0

ρ

0

Sample policy support for program, staff, and family handbooks

Program and Staff

- We at (name of the program) are committed to our children's health. We recognize the importance of the staff as positive role models for children as they learn to live healthy lives. Therefore, the staff will not drink soda and sugary beverages in front of the children in their care.
- We at (name of the program) are committed to children's nutrition and we recognize the importance of adults as positive role models on children's behavior. Therefore, during any functions or meetings at the center we will permit only water, milk, or 100% juice to be served.
 - We will only serve:
 - 1% or fat-free milk for children aged 2 years and older
 - Whole milk for children younger than 2 years old

00

• Water will be clearly visible and available to the children at all times (indoors and outdoors).

Families

- Providing good nutrition for your child is a partnership. We serve healthy meals and snacks in our program and our staff models healthy eating behaviors throughout the day. We ask for your support by:
 - Packing healthy lunches and snacks including only water, milk, or 100% juice limited to 1/2 cup (4 oz.). When packing milk, please provide 1% or fat-free milk for children aged 2 years and older.
 - Bringing healthy foods for celebrations and holiday parties, including water, milk, or 100% juice. Please provide 1% or fat-free milk for children aged 2 years and older. 1% and fat-free milk contain as much calcium and Vitamin D as 2% and whole milk without the extra calories and fat.

Milk and milk products are high in nutritional value and provide calcium, protein, and Vitamin D for bone growth and development.







GO

RECOMMENDED

- 1% or fat-free milk
- Water with no added sweeteners
- 100% fruit and vegetable juices with no added sweeteners

LIMIT

• 100% fruit and vegetable juices to no more than 1/2 cup (4 oz.) per day

STOP NOT RECOMMENDED

- Soft drinks
- Sports/energy drinks
- Sugary beverages including fruit based drinks with added sweeteners that contain less than 100% real fruit juice, sweetened iced teas, punch, etc.
- Artificially sweetened beverages including diet soft drinks, teas, lemonade, etc.
- Caffeinated beverages

Portion Size

ITEM	MEALS	SNACKS
Water	Exempt from portion limit	
100% Fruit & Vegetable Juices with no added sweeteners	No more than 1/2 c	sup (4 oz.) per day
1% or fat-free milk	1 cup (8 oz.)	1 cup (8 oz.)

Why milk?

- Low calcium intake is one of the more significant nutrient deficiencies identified in Healthy People 2010. Milk and milk products are high in nutritional value and provide calcium, protein, and Vitamin D for bone growth and development.
- The American Academy of Pediatrics recommends the daily consumption of milk, cheese, and yogurt and other calcium-rich foods for children to help build strong bones in all growing children and adolescents.

Why 1% or fat-free milk for children aged 2 years and older?

- The American Academy of Pediatrics recommends serving 1% or fat-free milk to children aged 2 years and older.
- 1% or fat-free milk contain as much calcium and Vitamin D as 2% and whole milk without the extra calories and saturated fat.

Why are sugary beverages not recommended?

- Sports and soft drinks are high in calories and low in nutrients.
- Consumption of sugary beverages is associated with:
 - Calcium deficiency because sugary beverages displace milk.
 - Overweight or obesity.
 - Tooth decay.

Why limit juice?

- The Dietary Guidelines for Americans recommends limiting juice to one 4-ounce serving a day in younger children.
- Excessive juice consumption may be linked to overweight or obesity.
- Excessive juice consumption is associated with tooth decay and diarrhea.
- Whole fruits and vegetables are preferred to juice because they provide nutrients and fiber that may be lost in the processing of juice.

Why no diet beverages or artificial sweeteners?

• While diet and artificially sweetened beverages have few calories, they may displace the intake of nutritious drinks such as 1% or fat-free milk that children need to support growth.

Y

0

0

O

Sample policy support for program, staff, and family handbooks

Program and Staff

- We at (name of the program) are committed to our children's health. We recognize the importance of the staff as positive role models to the children as they learn to live healthy lives. Therefore, the staff will not drink soda and sugary beverages in front of the children in their care.
- We at (name of the program) are committed to children's nutrition and we recognize the importance of adults as positive role models on children's behavior. Therefore, during any functions or meetings at the center, we only permit water, milk, or 100% juice to be served.
- We will serve only 1% or fat-free milk.

0

• Water will be clearly visible and available to the children at all times (indoors and outdoors).

Families

- Providing good nutrition for your child is a partnership. We serve healthy meals and snacks in our program and our staff model healthy eating behaviors throughout the day. We ask for your support by:
 - Packing healthy lunches and snacks including only water, milk, or 100% juice, limited to 1/2 cup (4 oz.). Please provide 1% or fat-free milk.
 - Bringing healthy foods for celebrations and holiday parties, including water, milk, or 100% juice. Please provide 1% or fat-free milk for children aged 2 years and older.

The American Academy of Pediatrics recommends the daily consumption of milk, cheese, and yogurt and other calcium-rich foods for children to help build strong bones in all growing children and adolescents.





A Note on Introducing Solids

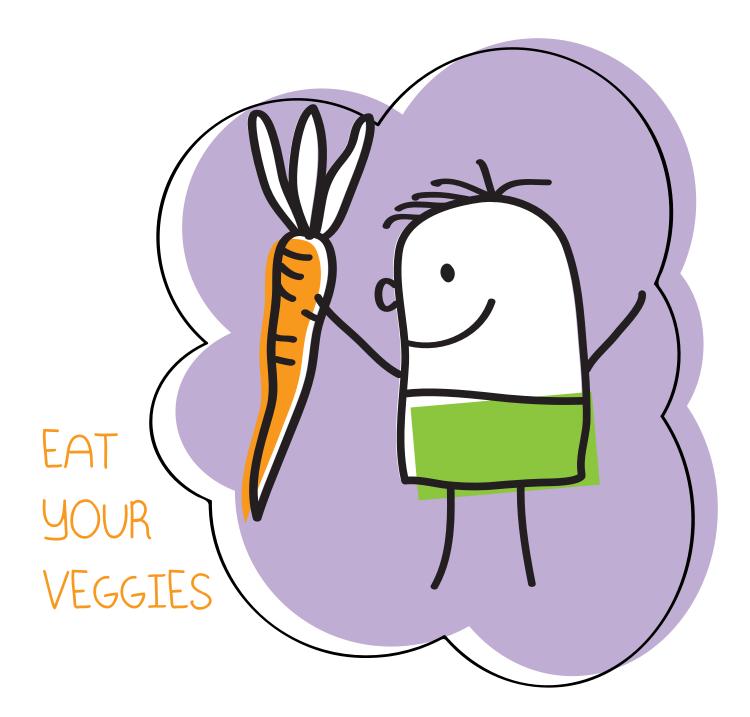
Signs that the infant may be developmentally ready for solids will most likely appear between 4 and 6 months of age:

- absence of tongue thrust reflex
- good neck and head control
- increased demand for breastfeeding

When solid foods are introduced, the AAP recommends that single-ingredient foods be given one at a time.

Wait seven days between offering new foods so that it will be easier to identify the food if the infant experiences an adverse reaction (allergy or intolerance).

As new solid foods are being introduced, it is best to consult with the child's parents (or legal guardian) and/or pediatrician.







FRUIT / VEGGIES Birth - II months

AGE	GO RECOMMENDED	NOT RECOMMENDED
0 - 3 months	Breast milk (preferred) Iron-fortified infant formula	Other foods at this age
4 - 7 months	A variety of different fruits and/or vegetables may be offered. All fruits and vegetables should be mashed, strained, or pureed to prevent choking. Fruits and vegetables should be served plain, without added fat, honey, sugar, or salt at this age. Some examples include: • Commercially prepared baby fruits • Commercially prepared baby vegetables • Fresh or frozen fruits • Fresh or frozen vegetables • Canned fruits (in their natural juices and water) • Canned vegetables with no added sodium	Added fat, honey, sugar, or salt to fruits and vegetables 100% fruit and vegetable juices until 12 months of age Fruit-based drinks with added sweeteners Food or drink other than breast milk and/or formula in a bottle unless medically necessary Pre-mixed commercially prepared fruits with more than one food item
8 – 11 months	A variety of different fruits and/or vegetables may be offered. All fruits should be cooked if needed and/or cut into bite-size pieces to prevent choking. All vegetables should be cut into bite-size pieces and cooked to prevent choking. Corn, specifically, should be pureed and cooked before serving. Fruits and vegetables should be served plain, with no added fat, honey, sugar or salt. Some examples include: • Fresh or frozen fruits • Fresh or frozen vegetables • Canned fruits (in their natural juices or water) • Canned vegetables with no added sodium	 Pre-mixed commercially prepared vegetables with more than one food item Fried vegetables and fried fruits The following fruits and vegetables are a choking hazard to children under 12 months. Dried fruit and vegetables Raw vegetables Cooked or raw whole corn kernels Hard pieces of raw fruit such as apple, pear, or melon Whole grapes, berries, cherries, melon balls, or cherry or grape tomatoes

16

GUIDELIMES Birth - 11 months FRUIT / VEGGIE

())

Sample policy support for program,

child's healthy food choices by:

presence of the children. Providing nutrition education. During celebrations and holiday parties, our program will offer fruits and vegetables and other healthy foods.

We at (name of the program) support your

Gently encouraging children to try fruits and vegetables and giving positive reinforcement when they do. Role-modeling positive behaviors by eating fruits and vegetables in the

Providing good nutrition for your child is a partnership. We at (name of program) ask

For packed lunches, please include

For celebrations and holiday parties, please provide healthy foods

(especially fruits and vegetables). An approved list of age-appropriate

fruits and/or vegetables.

foods will be provided.

staff, and family handbooks

for your support:

•

Program and Staff

Families

17

Rationale

Why are fruits and vegetables important?

- The Dietary Guidelines for Americans encourage consumption of a variety of fruits and vegetables daily.
- Fruits and vegetables provide essential vitamins and minerals, fiber, and other substances that may protect against many chronic diseases.
- They are high in fiber.
- They help children feel fuller longer.
- They provide children with the opportunity to learn about different textures, colors, and tastes.
- They help children potentially develop life-long healthy eating habits.

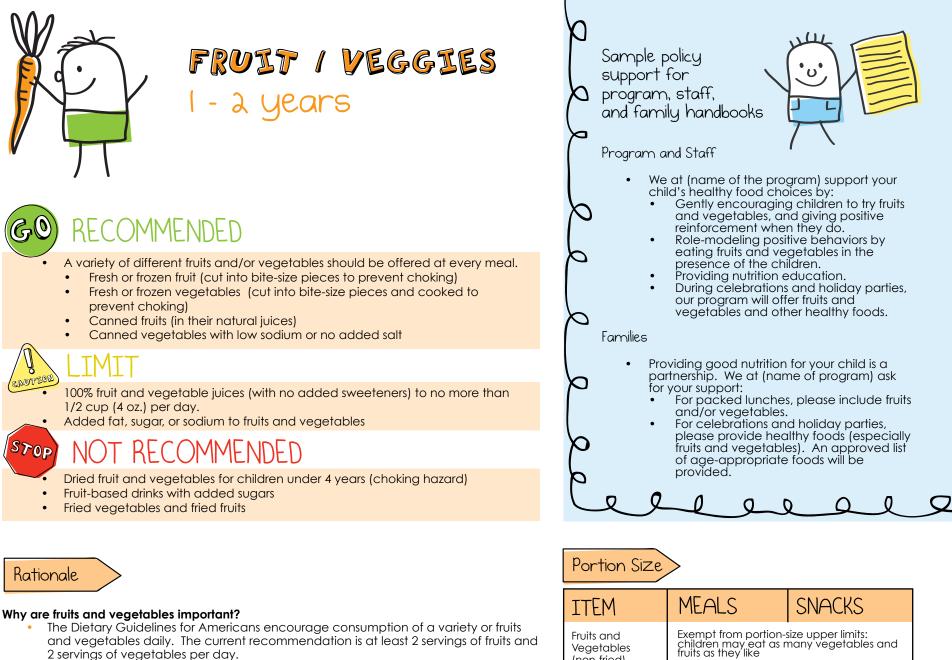
Why no commercially prepared fruit and/or vegetable mixtures?

- Portions of the food components in the mixture are not specified.
- Mixture may contain a new food that the child has not tried and may cause allergic reaction.

Portion Size

Watch for hunger and fullness cues.

AGE	ITEM	MEALS
4 - 7 months	Fruits and/or vegetables	0-3 Tbsp.
8 – 11 months	Fruits and/or vegetables	1-4 Tbsp.



- 2 servings of vegetables per day. Fruits and vegetables provide essential vitamins and minerals, fiber, and other substances that may protect against many chronic diseases for children in this age
- group. They are high in fiber.
- They help children feel fuller longer.
- They provide children with the opportunity to learn about different textures, colors, • and tastes.
- They help children potentially develop life-long healthy eating habits.

(non-fried)

100% Fruit &

sweeteners

Vegetable Juices

with no added

At least 1/4 cup of each fruits &/or vegetables should be offered at each meal

No more than

(4 oz.) per day

1/2 cup

At least 1/2 cup of each fruits &/or

vegetables should be

offered at each snack



FRUIT I VEGGIES

3 - 5 years



RECOMMENDED

A variety of different fruits and/or vegetables should be offered at every meal including:

- Fresh or frozen fruits*
- Fresh or frozen vegetables*
- Canned fruits (in their natural juices)
- Canned vegetables with low sodium or no added salt
- Dried fruit and vegetables (choking hazard for children under 4 years old)

* Note: for children under age 4, cut into bite-size pieces and cook to prevent choking.

LIMI

- 100% fruit and vegetable juices to no more than 1/2 cup (4 oz.) per day
- Added fat, sugar, or sodium to fruits and vegetables



NOT RECOMMENDED

- Fruit-based drinks with added sweeteners
- Fried vegetables and fried fruits

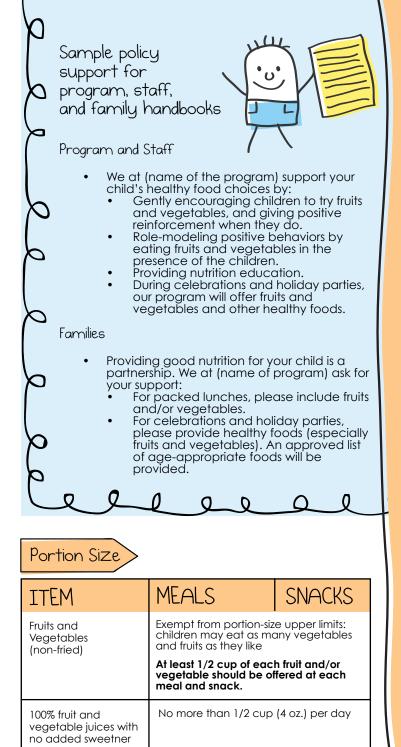
Rationale

Why are fruits and vegetables important?

- The Dietary Guidelines for Americans encourage consumption of a variety of fruits and vegetables daily.
- Fruits and vegetables provide essential vitamins and minerals, fiber, and other substances that may protect against many chronic diseases.
- They are high in fiber.
- They help children feel fuller longer.
- They provide children with the opportunity to learn about different textures, colors, and tastes.

19

• They potentially help children develop life-long healthy eating habits.





Fruit / Veggies

6 - 12 years



- A variety of different fruits and/or vegetables should be offered at every meal including:
 Fresh or frozen fruits*
 - Fresh or frozen vegetables*
 - Canned fruits (in their natural juices)
 - Canned vegetables with low sodium or no added salt
 - Dried fruit and vegetables (choking hazard for children under 4 years old)

* Note: for children under age 4, cut into bite-size pieces and cook to prevent choking.

LIMIT

- 100% fruit and vegetable juices to no more than 1/2 cup (4 oz.) per day
- Added fat, sugar, or sodium to fruits and vegetables

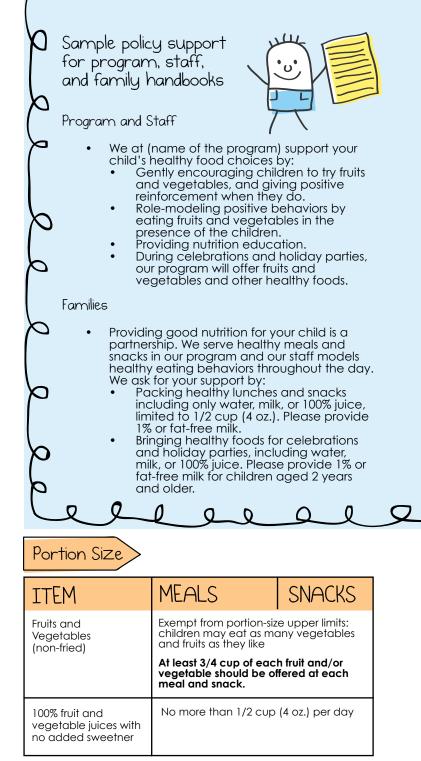
STOP NOT RECOMMENDED

- Fruit-based drinks with added sweeteners
- Fried vegetables and fried fruits

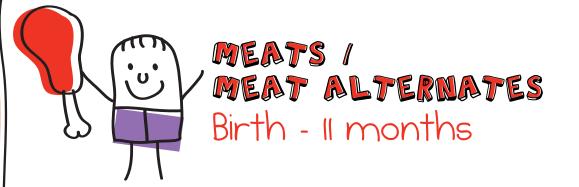
Rationale

Why are fruits and vegetables important?

- The Dietary Guidelines for Americans encourage consumption of a variety of fruits and vegetables daily.
- Fruits and vegetables provide essential vitamins and minerals, fiber, and other substances that may protect against many chronic diseases.
- They are high in fiber.
- They help children feel fuller longer.
- They provide children with the opportunity to learn about different textures, colors, and tastes.
- They potentially help children develop life-long healthy eating habits.







AGE	GO RECOMMENDED	STOP NOT RECOMMENDED
0 - 3 months	Breast milk (preferred) Iron-fortified infant formula	Other foods at this age
4 - 7 months	Breast milk (preferred) Iron-fortified infant formula Fruits Vegetables Iron-fortified cereal	Other foods at this age
8 – 11 months	 Protein sources such as lean meat (beef, veal, and/or pork), skinless poultry (chicken, turkey), fish, cooked beans and peas (legumes), eggs, yogurt and cheeses are recommended. Meat poultry and fish should have no more than 35% of calories from fat and no more than 10% of calories from saturated fat. (See sample food label in Appendix). Eggs and dairy foods such as yogurt and cheese are good sources of protein that are highly digestible. Foods must have less than 0.5 grams of trans fat. (See sample food label in Appendix). The Dietary Guidelines for Americans recommend keeping trans fatty acid consumption as low as possible to reduce the risk for cardiovascular disease. Meats and meat alternates should be soft, pureed, ground, mashed or finely chopped to prevent choking. 	Pre-fried baked foods such as chicken nuggets and fish sticks Processed meats, such as hot dogs, bologna, bacon and sausage Deep-fat fried foods Nut and seeds because they are choking haz- ards for children this age Pre-mixed commercially prepared meals Fat, honey, sugar or salt added to meat and meat alternates

Why are meat and meat alternates important?

 Meats, beans, and eggs offer protein and other nutrients such as zinc, iron and B vitamins.

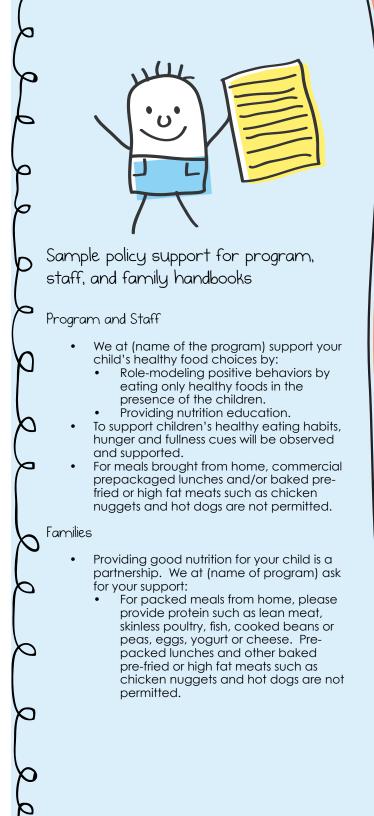
23

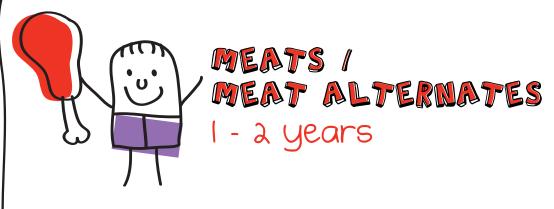
• Protein supplies amino acids that build, repair and maintain body tissues.

Portion Size

Watch for hunger and fullness cues.

AGE	ITEM	MEALS
8 – 11 months	Chicken, meat, egg, cooked beans or peas	1 – 4 Tbsp.
	Cottage cheese or yogurt	1 – 4 oz.
	Cheese	1/2 oz. – 2 oz.





GO RECOMMENDED

- Protein sources such as lean meat (beef, veal, and/or pork), skinless poultry (chicken, turkey), fish, cooked beans and peas (legumes), nut butters, eggs, fatfree or low-fat yogurt and cheeses are recommended.
- Meat, poultry and fish should have no more than 35% of calories from fat and no more than 10% of calories from saturated fat. (See sample food label in Appendix). Nuts, nut butters and seeds are excluded from this fat restriction because the majority of their fat is unsaturated which promotes cardiovascular health. Eggs and dairy foods such as yogurt and cheese are good sources of protein that are highly digestible.
- Foods must have less than 0.5 grams of trans fat. (See sample food label in Appendix). The dietary Guidelines for American advise keeping trans fatty acid consumption as low as possible to reduce the risk of cardiovascular disease. Try to limit sodium to 200 mg per serving. (See sample food label in Appendix).
 Meat should be cut into bite-size pieces to prevent choking.

STOP NOT RECOMMENDED

- Baked pre-fried food items, such as chicken nuggets and fish sticks
- Deep-fat frying in food preparation
- Processed meats, such as hot dogs, bologna, bacon and sausage
- Processed cheese food
- Nuts and seeds for children under 4 years old (choking hazard). If you do serve nuts and/or seeds to children under 4 years old, the USDA recommends they be served ground or finely chopped in a prepared food.
- Chicken or turkey with skin
- Shark, swordfish, king mackerel, tile fish, albacore tuna (potential for high level of mercury)

24

Rationale

Why are meat and meat alternates important?

- Meats, beans, and eggs offer protein and other nutrients such as zinc, iron and B vitamins.
- Protein supplies amino acids that build, repair and maintain body tissues.

Sample policy support for program, staff, and family handbooks Program and Staff Our program is committed to children's nutrition; therefore, fried or baked pre-fried foods, such as chicken nuggets and fish sticks, or high fat items such as sausage, bacon, and bologna are offered no more than once per month. Families Providing good nutrition for your child is a C partnership. We at (name of program) ask for your support: For packed meals from home, please provide protein, such as lean meat, skinless poultry or cheese. Pre-packaged lunches and other baked pre-fried or high fat items such as chicken nuggets and hot dogs are discouraged.

Portion Size

ITEM	LUNCH	SNACKS
Meat, poultry, boneless fish, or alternate protein product	1 oz.	1/2 oz.
Cheese	1/8 cup (1oz. or 2 Tbsp.)	1/16 cup (1/2 oz. or 1 Tbsp.)
Egg	1/2 egg	
Beans or peas	1/4 cup (2 oz. or 4 Tbsp.)	1/8 cup (1 oz. or 2 Tbsp.)
Nut butters (peanut or soy)	1 oz. (2 Tbsp.)	1/2 oz. (1 Tbsp.)
Nuts and/or seeds	1/16 cup (1/2 oz. or 1 Tbsp.)	
Yogurt	1/2 cup (4 oz.)	1/4 cup (2 oz.)



RECOMMENDED

- Protein sources such as lean meat (beef, veal, and/or pork), skinless poultry (chicken, turkey), fish, cooked beans and peas (legumes), nut butters, eggs, fatfree or low-fat yogurt and cheeses are recommended.
- Meat poultry and fish should have no more than 35% of calories from fat and no more than 10% of calories from saturated fat. (See sample food label in Appendix). Nuts, nut butters and seeds are excluded from this fat restriction because the majority of their fat is unsaturated which promotes cardiovascular health. Eggs and dairy foods such as yogurt and cheese are good sources of protein that are highly digestible. Low-fat or fat free yogurts and reduced-fat, low-fat, part-skim or fat-free cheeses are preferred.
- Foods must have less than 0.5 grams of trans fat. (See sample food label in Appendix). The Dietary Guidelines for Americans advises keeping trans fatty acid consumption as low as possible to reduce the risk for cardiovascular disease.
- Try to limit sodium to 200 mg per serving. (See sample food label in Appendix).
- Cheese should be reduced-fat, low-fat, part-skim or fat-free.

STOP

NOT RECOMMENDED

- Baked pre-fried food items, such as chicken nuggets and fish sticks
- Deep-fat frying in food preparation
- Processed meats, such as hot dogs, bologna, bacon and sausage
- Processed cheese food or product
- Nuts and seeds for children under 4 years old (choking hazard). If served, the USDA recommends they be served ground or finely chopped in a prepared food.
- Chicken or turkey with skin
- Shark, swordfish, king mackerel, tile fish, albacore tuna (potential for high mercury levels)

Sample policy support for program, staff, and family handbooks Program and Staff Our program is committed to children's nutrition; therefore, fried or baked pre-fried foods, such as chicken nuggets and fish sticks, or high fat items such as sausage, bacon, and bologna are offered no more than once per month. Families Providing good nutrition for your child is a partnership. We at (name of program) ask for your support: For packed meals from home, please provide protein, such as lean meat, skinless poultry or cheese. Pre-packaged lunches and other baked pre-fried or high fat items such as chicken nuggets

l l l l l

and hot dogs are discouraged.

Portion Size

ITEM	LUNCH	SNACKS
Meat, poultry, boneless fish, or alternate protein product	1 1/2 oz.	1/2 oz.
Cheese	1 1/2 oz. (3 Tbsp.)	1/16 cup (1/2 oz. or 1 Tbsp.)
Egg	3/4 egg	1/2 egg
Beans or peas	3/8 cup (3 oz. or 6 Tbsp.)	1/8 cup (1 oz. or 2 Tbsp.)
Nut butters (peanut or soy)	1 1/2 oz. (3 Tbsp.)	1/2 oz. (1 Tbsp.)
Nuts and/or seeds	3/4 oz. (1 1/2 Tbsp.)	1/2 oz. (1 Tbsp.)
Yogurt	3/4 cup (6 oz.)	1/4 cup (2 oz.)

Rationale

Why are meat and meat alternates important?

- Meats, beans, and eggs offer protein and other nutrients such as zinc, iron and B vitamins.
- Protein supplies amino acids that build, repair and maintain body tissues.

G

MEATS / MEAT ALTERNATES 6 - 12 years

• RECOMMENDED

υ

- Protein sources such as lean meat (beef, veal, and/or pork), skinless poultry (chicken, turkey), fish, cooked beans and peas (legumes), nut butters, eggs, fatfree or low-fat yogurt and cheeses are recommended.
- Meat, poultry and fish should have no more than 35% of calories from fat and no more than 10% of calories from saturated fat. (See sample food label in Appendix). Nuts, nut butters and seeds are excluded from this fat restriction because the majority of their fat is unsaturated which promotes cardiovascular health. Eggs and dairy foods such as yogurt and cheese are good sources of protein that are highly digestible. Low-fat or fat-free yogurts and reduced-fat, low-fat, part-skim or fat-free cheeses are preferred.
- Foods must have less than 0.5 grams of trans fat. (See sample food label in Appendix). The Dietary Guidelines for Americans advises keeping trans fatty acid consumption as low as possible to reduce the risk for cardiovascular disease.
- Try to limit sodium to 200 mg per serving. (See sample food label in Appendix).
- Cheese should be reduced-fat, low-fat, part-skim or fat-free.

STOP NOT RECOMMENDED

- Baked pre-fried food items, such as chicken nuggets and fish sticks
- Deep-fat frying in food preparation
- Processed meats, such as hot dogs, bologna, bacon and sausage
- Processed cheese food
- Chicken or turkey with skin
- Shark, swordfish, king mackerel, tile fish, albacore tuna (potential for high level of mercury)

Rationale

Why are meat and meat alternates important?

- Meats, beans, and eggs offer protein and other nutrients such as zinc, iron and B vitamins.
- Protein supplies amino acids that build, repair and maintain body tissues.

Sample policy support for program, staff, and family handbooks Program and Staff Our program is committed to children's nutrition; therefore, fried or baked pre-fried foods, such as chicken nuggets and fish \bigcirc sticks, or high fat items such as sausage, bacon, and bologna are offered no more than once per month. 0 Families Providing good nutrition for your child is a partnership. We at (name of program) ask for your support: For meals brought from home, please provide protein, such as lean meat, skinless poultry, fish, cooked beans. or peas, nut butters, eggs or cheese. Commercial pre-packed lunches and/or baked pre-fried or high fat items such as

chicken nuggets and hot dogs are

discouraged.

Portion Size

ITEM	LUNCH	SNACKS		
Meat, poultry, boneless fish, or alternate protein product	2 oz.	1 oz.		
Cheese	1/4 cup (2 oz. or 4 Tbsp.)	1/8 cup (1oz. or 2 Tbsp.)		
Egg	1 egg	1/2 egg		
Beans or peas	1/2 cup (4 oz. or 8 Tbsp.)	1/4cup (2 oz. or 4 Tbsp.)		
Nut butters (peanut or soy)	1/4 cup (2 oz. or 4 Tbsp.)	1/8 cup (1oz. or 2 Tbsp.)		
Nuts and/or seeds	1/8 cup (1oz. or 2 Tbsp.)			
Yogurt	1 cup (8 oz.)	1/2 cup (4 oz.)		







GRAIN / BREADS Birth - 11 months

AGE	GO RECOMMENDED	STOP NOT RECOMMENDED
0 - 3 months	Breast milk (preferred) Iron-fortified infant formula	Other foods at this age
4 - 7 months	Iron-fortified rice cereal for first introduction of cereal Iron-fortified oat and barley infant cereal can be introduced after rice cereal	Wheat cereal until babies are 8 months old Commercially prepared cereal mixtures
8 – 11 months	Iron-fortified infant cereals A food should have no more than 35% of its calories from total sugars. (See food label and examples). All foods must have less than 0.5 grams of trans fat. (See sample food label in Appendix). Commercially prepared, age appropriate, baked snacks are allowed for snack time only (such as teething biscuits). For snacks, try to offer items that have no more than 200 mg of sodium per serving (cereals, crackers, baked goods, etc.). (See sample food label in Appendix).	Grains and cereals that have more than 6 grams of sugar per serving Baked goods for breakfast (such as donuts, cinnamon buns) Commercially prepared cereal mixtures Baked snacks high in sugar and fat (such as cookies, granola bars, cupcakes)

Why no commercially prepared cereal mixtures?

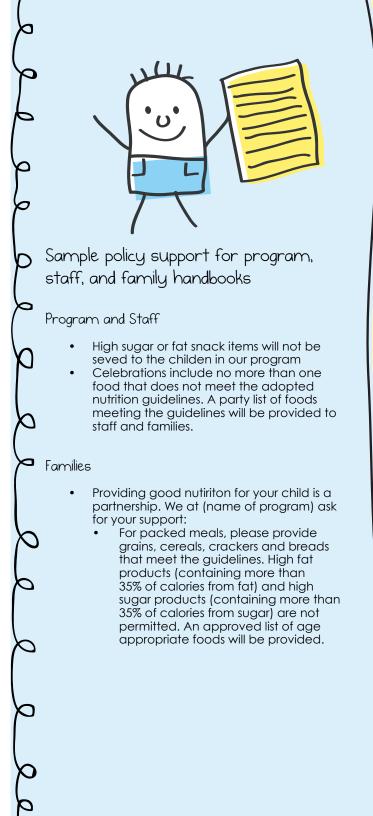
- Mixture may contain a new food that the child has not tried and may cause an allergic reaction.
- Portions of the food components in the mixture are not specified.

Portion Size

Watch for hunger and fullness cues.

AGE	ITEM	MEALS	SNACKS
4 - 7 months	Iron-fortified infant cereal	0 – 3 Tbsp.	
8 - 11 months	Iron-fortified infant cereal Bread Crackers	2 – 4 Tbsp.	1/2 slice 2 crackers

29





GRAIN / BREADS

a years

RECOMMENDED

- Whole grains are preferred for all grains, pastas, and breads. Look for whole grain to be listed as the first ingredient, or that the food contains the entire grain kernel. Examples include whole-wheat flour, bulgur (cracked wheat), oatmeal, whole cornmeal, and brown rice.
- Brown rice is preferred for all rice dishes when possible.
- A food should have no more than 35% of its calories from total sugars. Using this ٠ calculation is preferred. However, a simple alternative is to choose items that do not have sugars listed as the first, second, or third ingredients or have several listed. (See example food labels in Appendix).
- A grain or bread should have no more than 35% of its calories from fat and no more than 10% of its calories from saturated fat. (See sample food label in Appendix).
- ٠ All foods must have less than 0.5 grams of trans fat. (See sample food label in Appendix).
- Choose foods that are highest in fiber (cereals, breads, pastas, etc.). ٠
- Try to offer items that have no more than 200 mg of sodium per serving. (See sample food label in Appendix).
- A grain product must be enriched or whole grain to be reimbursable.

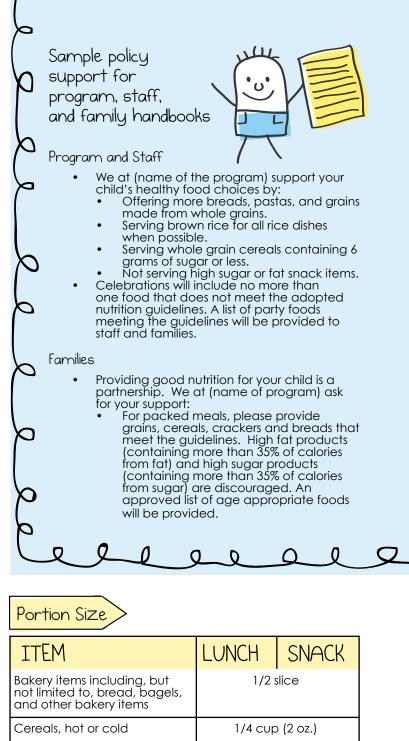
STOP NOT RECOMMENDED

- Cereals or grains with more than 6 grams of sugar per serving
- Baked goods for breakfast that are high in sugar and fat such as cinnamon rolls, . toaster pastries, muffins, donuts
- Baked snacks that are high in sugar and fat such as cookies, cakes, rice treats



Why serve whole grain?

The Dietary Guidelines for Americans recommend making half our grains whole grains and that all age levels consume 14 grams of fiber per 1,000 calories. For children aged 12 to 36 months, the recommended level of intake is 19 grams of fiber per day.



1/4 cup (2 oz.)

30

Pasta, noodles, or grains



GRAIN / BREADS

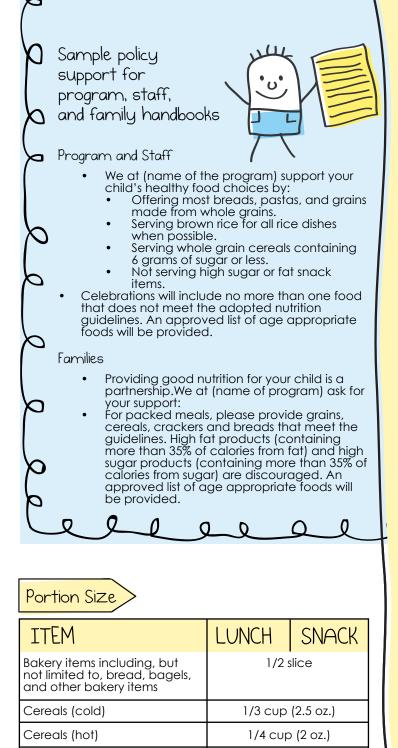
3 - 5 years

RECOMMENDED

- Whole grains are preferred for all grains, pastas, and breads. Look for whole grain to be listed as the first ingredient, or that the food contains the entire grain kernel. Examples include whole-wheat flour, bulgur (cracked wheat), oatmeal, whole cornmeal, and brown rice.
- Brown rice is preferred for all rice dishes when possible.
- A food should have no more than 35% of its calories from total sugars. Using this calculation is preferred. However, a simple alternative is to choose items that do not have sugars listed as the first, second, or third ingredients or have several listed. (See sample food label in Appendix)
- A grain or bread should have no more than 35% of its calories from fat and no more than 10% of its calories from saturated fat. (See sample food label in Appendix).
- All foods must have less than 0.5 grams of trans fat. (See sample food label in Appendix).
- Choose foods that are highest in fiber (cereals, breads, pastas, etc).
- Try to offer items that have no more than 200 mg of sodium per serving. (See sample food label in Appendix).
- STOP

NOT RECOMMENDED

- Cereals or grains with more than 6 grams of sugar per serving
- Baked goods for breakfast (such as cinnamon rolls, toaster pastries, muffins, donuts) that are high in sugar and fat should be avoided or limited.
- Baked snacks (such as cookies, cakes, rice treats) that are high in sugar and fat should be avoided or limited.



1/4 cup (2 oz.)

Pasta, noodles, or grains

Rationale

Why serve whole grain?

• The Dietary Guidelines for Americans recommend making half our grains whole grains and that all age levels consume 14 grams of fiber per 1,000 calories. For children aged 3 - 5 years old, the recommended level of intake is 25 grams of fiber per day.

31



G

GRAIN / BREADS

6 - 12 years

RECOMMENDED

- Whole grains are preferred for all grains, pastas, and breads. Look for whole grain to be listed as the first ingredient, or that the food contains the entire grain kernel. Examples include whole-wheat flour, bulgur (cracked wheat), oatmeal, whole cornmeal, and brown rice.
- Brown rice is preferred for all rice dishes when possible.
- A food should have no more than 35% of its calories from total sugars. Using this calculation is preferred. However, a simple alternative is to choose items that do not have sugars listed as the first, second, or third ingredients or have several listed. (See sample food label in Appendix).
- A grain or bread should have no more than 35% of its calories from fat and no more than 10% of its calories from saturated fat (See sample food label in Appendix).
- All foods must have less than 0.5 grams of trans fat. (See sample food label in Appendix).
- Choose foods that are higher in fiber (cereals, breads, pastas, etc). Try to offer items that have no more than 200 mg of sodium per serving. (See sample food label in Appendix).

STOP NOT RECOMMENDED

- Cereals or grains with more than 6 grams of sugar per serving
- Baked goods (such as cinnamon rolls, toaster pastries, muffins, donuts) for breakfast that are high in sugar and fat should be avoided or limited.
- Baked snacks (such as cookies, cakes, rice treats) that are high in sugar and fat should be avoided or limited.



Why serve whole grain?

- The Dietary Guidelines for Americans recommend making half our grains whole grains and that all age levels consume 14 grams of fiber per 1,000 calories. For children aged 6 to 12 years old, the recommended level of fiber intake for girls is 25 to 26 grams per day and 25 to 31 grams per day for boys.
- Sample policy support for program, staff, and family handbooks Program and Staff We at (name of the program) support your child's healthy food choices by: Offering more breads, pastas, and grains made from whole grains. Serving brown rice for all rice dishes when possible. Serving whole grain cereals containing 6 grams of sugar or less.
 Not serving high sugar or fat snack items.
 Celebrations will include no more than one food that does not meet the adopted nutrition guidelines. A list of party foods meeting the guidelines. A list of party foods meeting the guidelines will be provided to staff and families. \mathcal{O} Families Providing good nutrition for your child is a partnership. We at (name of program) ask for your support: For packed meals, please provide grains, cereals, crackers and breads that meet the guidelines. High fat products (containing more than 35% of calories from fat) and high sugar products (containing more than 35% of calories from sugar) are discouraged. An approved list of age appropriate foods will be provided. Portion Size ITEM LUNCH SNACK Bakery items including, but 1 slice not limited to, bread, bagels, and other bakery items 3/4 cup (6 oz.) Cereals (cold)

Cereals (hot)1/2 cup (4 oz.)Pasta, noodles, or grains1/2 cup (4oz.)



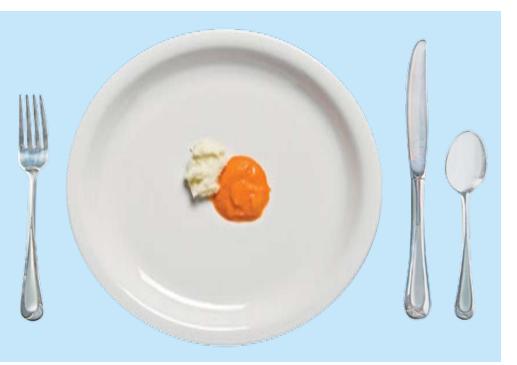
Meal Size Pictures	>	
Beverage Size Pictures	>	
Portion Size Pictures	>	
Conversion Chart for Measures and Weight	>	
Food Recommendation Chart for a Years & Older	>	42 - 43
How to Read a Food Label	>	
Food Label Samples	>	

Meal Size: 4-7 months

(on a 10" dinner plate)

Healthy Portion Serving Tips:

- Use the right portion for the right age.
- Make half the plate fruits and vegetables.

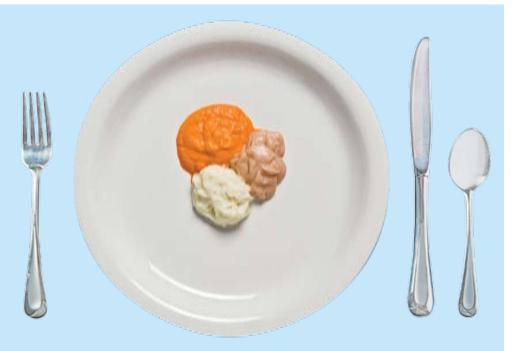


Meal Size: 8-11 months

(on a 10" dinner plate)

Healthy Portion Serving Tips:

- STOP. Wait for your child to ask you for seconds rather than just serving more.
- Be a model put the right amount on your plate and eat together.



Meal Size: 1-a years

(on a 10" dinner plate)

Healthy Portion Serving Tips:

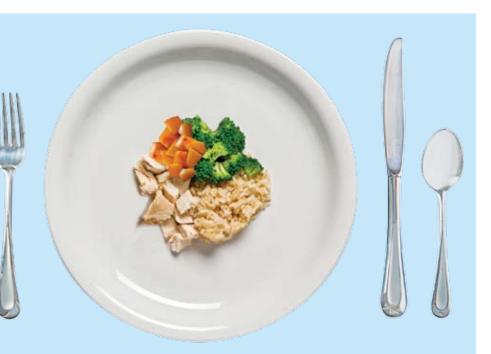
- It's okay to leave food on the plate if your infant or child is full.
- For child size portions, use child size plates, glasses and serving spoons.

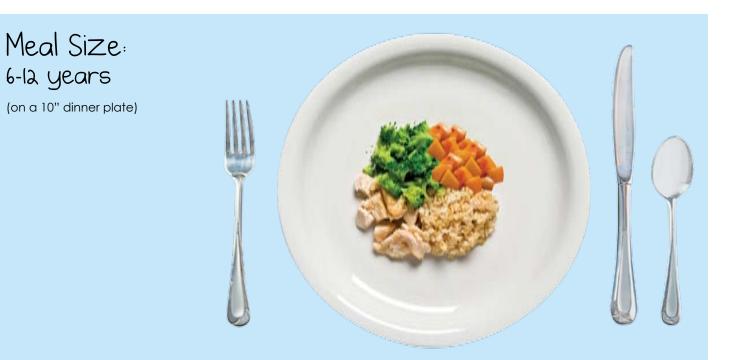




Healthy Portion Serving Tips:

• Limit 100% fruit juice servings to no more than 1/2 cup per day.





Beverage Size

(10 oz. & 16 oz. glasses)



Milk Portion (3/4 cup) for 3-5 year olds



Fruit Juice Portion (1/2 cup) for 3 years and older

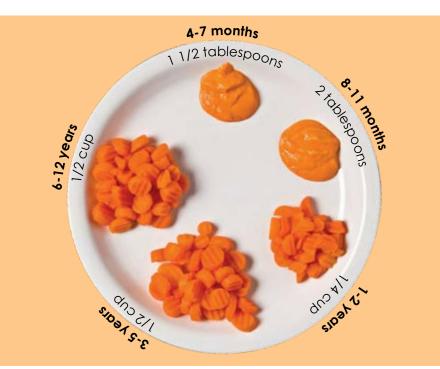
36





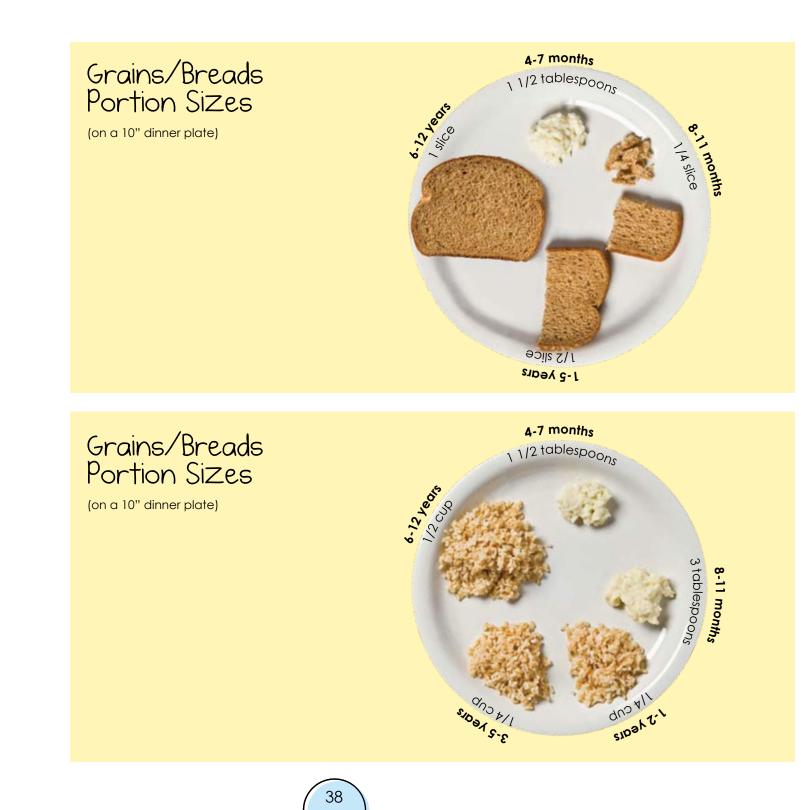
(on a 10" dinner plate)

*



Note: Children over 12 years and adults * need at least 1/2 cup, however 1 cup is preferred.







Conversion Charts for Measures & Weights

Liquid Measures	1 gal =	4 qt		8 pt	16 cup	S	128 fl oz	3.79L
	1/2 gal =	2 qt		4 pt	8 cups		64 fl oz	1.89L
	1/4 gal =	1 qt		2 pt	4 cups		32 fl oz	.95L
		1/2 qt = 1 pt		2 cups 16 fl oz		16 fl oz	.47L	
		1/4 qt =	1	/2 pt	l cup		8 fl oz	.24L
	1 cup =	8 fl oz		16 Tbsp		48 tsp		237ml
Dry	3/4 cup =	6 fl oz		12 Tbsp		3	36 tsp	177ml
Measures	2/3 cup =	5 1/3 fl oz	<u></u>	10 2/	3 Tbsp	3	32 tsp	158ml
	1/2 cup =	4 fl oz 8 Tbsp		bsp	24 tsp		118ml	
	1/3 cup =	2 2/3 oz		5 1/3 Tbsp		16 tsp		79ml
	1/4 cup =	2 fl oz		4 Tbsp		12 tsp		59ml
	1/8 cup =	1 fl oz		2 T	bsp		6 tsp	30ml
				1 Tb	sp =		3 tsp	15ml

	GO RECOMMENDED	LIMIT	STOP NOT RECOMMENDED
Beverages	Water Fat-free and 1% milk	100% fruit juice (4 oz.)	Whole milk Regular or diet sodas Sweetened iced teas, lemonade and fruit drinks with less than 100% fruit juice
Milk	Fat-free and 1% milk Fat-free and low-fat yogurt and cottage cheese Fat-free, part-skim, or reduced- fat cheese (including cream cheese)		Whole milk
Vegetables	Almost all fresh, frozen, and canned vegetables without added fat (such as butter) or sauces	All vegetables with added fat or salt	Any vegetable fried in oil, such as french fries or hash browns
Fruits	All fresh and frozen fruits and canned fruits packed in juice or water Dried fruits (for children over 4)	100% fruit juice Fruits canned in light syrup	Fruits canned in heavy syrup
Grains & Breads	Whole-grain breads, pitas, and tortillas Whole-grain pasta Brown rice Hot and cold unsweetened whole-grain breakfast cereals Cereals and grains with less than 6g of sugar	White bread and pasta unless it is whole grain Taco shells French toast, waffles, and pancakes Biscuits Granola	Donuts, muffins, croissants, and sweet rolls Sweetened breakfast cereals Crackers made with hydrogenated oils (trans fats)

Older
Uears d
or a L
Chart for a <u>c</u>
Food Recommendation Ch
ommer
od Reco
L _O
PENDI
APPE

	GO RECOMMENDED	LIMIT	STOP NOT RECOMMENDED
Meats & Meat Alternates	Extra-lean ground beef Chicken and turkey without skin Tuna canned in water Fish and shellfish that has been baked, broiled, steamed, or grilled Beans, split peas, and lentils Tofu Nuts (for children over 4) Egg whites and egg substitutes Peanut-butter	Lean ground beef and turkey Broiled hamburgers Ham, Canadian bacon Chicken and turkey with the skin Tuna canned in oil Whole eggs cooked without added fat	Beef and pork that has not been trimmed of its fat Ribs, bacon Fried chicken, chicken nuggets Hot dogs, bologna and other lunch meats, bacon, pepperoni, and sausage Fried fish and shellfish Whole eggs cooked with added fat Full-fat cheese Full-fat cream cheese Yogurt made from whole milk Processed cheese
Sweets & Snacks	Whole grain pretzels	Frozen fruit-juice bars Low-fat frozen yogurt or ice cream Fig bars Ginger snaps Baked chips	Cookies, cakes, and pies Cheesecake, ice cream Chocolate candy Chips Buttered popcorn
Dressings & Other Toppings	Fat-free creamy salad dressing Fat-free mayonnaise Fat-free sour cream Vegetable oil, Olive oil, Oil-based salad dressing	Low-fat creamy salad dressing Low-fat mayonnaise Low-fat sour cream Ketchup Mustard Vinegar	Butter, lard, and margarine Salt Pork gravy Regular creamy salad dressing Mayonnaise, tartar sauce Regular sour cream Cheese or cream sauce, and dips Full-fat cheese

How to Read a Food Label

Serving Size and Servings Per Container

 Look at the serving size and how many servings you are actually eating. If you are eating more than one serving, you need to multiply the calories by the number of servings.

Calories Per Serving

- Low 40 Calories or less per serving
- High 400 or more calories per serving
- First check the calories and then check the nutrients to see what you will be getting from the foods you are eating.

Sodium

- Important to look for less sodium (< 5% is low, and > 20% is high) in order to reduce the risk of high blood pressure.
- Snack items should have no more than 200mg of sodium per serving.

Nutrition Facts

Serving Size: 6 Crackers (28g) Servings Per Container About 10

Amount Per Serving						
Calories 129	Ca	lories from	Fat 41			
		% Dail	y Value*			
Total Fat 4.5g			7%			
Saturated Fa	t 1g 🧹		5%			
Trans Fat 0	9					
Polyunsatur	ated Fat	2.5g				
Monounsatu	urated Fat	1g				
Cholesterol Omg 0%						
Sodium 150mg 6%						
Potassium 110mg 3%						
Total Carbohydrate 19g 6%						
Dietary Fiber 3g 12%						
Sugars 0g						
Protein 3g						
Vitamin A 0%	•	Vitam	in C 0%			
Calcium 0%	•		Iron 6%			
Phosphorus 15%	, D					
*Percent Daily Values are based on a 2,000 calorie diet.						
Your Daily Values may be higher or lower depending on your calorie needs:						
	Calories:	2,000	2,500			
Total Fat	Less than	65g	80g			
Sat Fat	Less than	20g	25g			
Cholesterol	Less than	300mg	300mg			
Sodium	Less than	2,400mg	2,400mg			
Total Carbohydrate		300g	375g			
Dietary Fiber		25g	30g			

Fats

- Look for foods low in saturated and trans fat, and cholesterol. Most fats should be poly- or monounsaturated.
- Food should have no more than 35% of its calories from fat and no more than 10% of its calories from saturated fat excluding nuts, seeds, peanut butter, and other nut butters.
- All foods should have less than 0.5g of trans fat.

Sugars

- Look for foods low in added sugars. Read the ingredient list and make sure that sugar is not one of the first three items on the list.
- Names for added sugars include: sucrose, glucose, high fructose corn syrup, corn syrup, maple syrup, molasses, and fructose.
- A food should have no more than 35% of its calories from total sugars.

Food Label Samples calories from fat divided by total calories = % of calories from fat **Nutrition Facts** Hot Doa Serving Size: 1 (1 wiener, 45 grams) Calculating the percentage Amount Per Serving of calories from fat Calories 132 Calories from Fat 108 (requirement < 35%)% Daily Value* Take the calories from fat 18% Total Fat 12g and divide by calories 20% Saturated Fat Trans Fat 0g 108/132 = 81% Cholesterol 35a 12% 23% Sodium 540a **Nutrition Facts** 0% Total Carbohydrate 1g **Dietary Fiber** Note: If calories from fat is Serving Size: 1 (2 oz, 56 grams) not listed, you can determine Sugars 1q Deli the calories by multiplying the Protein 5g Amount Per Servina Chicken total fat by 9 (1 gram of fat = Calories 49 Calories from Fat 9 9 calories). **Breast** Vitamin A 0% Calcium 2% • % Daily Value* Vitamin C 0% Iron 10% Total fat = $12g \times 9$ calories • Calculating the percentage 2% Total Fat 1g per gram of fat = 108 calories * Percent Daily Values are based on a 2,000 calorie diet. of calories from fat Saturated Fat 10 3% Your Daily Values may be higher or lower depending on from fat (requirement < 35%)Trans Fat your calorie needs: Calories: 2,000 2,500 This item would **NOT** qualify. Cholesterol 25mg 8% Total Fat Less than 65g 80g Sodjum 470mg 20% Take the calories from fat Sat Fat Less than 20g 25g 0% Cholesterol 300mg Total Carbohydrate 19 Less than 300ma and divide by calories Sodium 2,400mg 2,400mg Less than Dietary Fiber 0g 0% Total Carbohydrate 375g 300g 30g Dietary Fiber 25g Sugars Og 9/49 = 18% Calories per gram: Protein 9q Fat 9 Carbohydrate 4 • Protein 4 Vitamin A 0% Calcium 2% Note: If calories from fat is • not listed, you can determine Vitamin C 0% • Iron 10% the calories by multiplying the * Percent Daily Values are based on a 2,000 calorie diet. total fat by 9 (1 gram of fat = Your Daily Values may be higher or lower depending on your calorie needs: 9 calories). Calories: 2,000 2,500 Total fat = $1g \times 9$ calories per Total Fat Less than 65g 80g aram of fat = 9 calories from fat Sat Fat 20g 25q Less than Cholesterol 300mg Less than 300mg Sodium 2.400ma 2.400ma Less than This item would qualify. Total Carbohydrate 300g 375g

Dietary Fiber

Calories per gram: Fat 9 • 25g

٠

Carbohydrate 4

30g

Protein 4

Food Label Samples

Nutrition Facts

Serving Size: 1 (1 bar, 44 grams)

Serving Size.	(1 Dar, 44	4 grams)		
Amount Per Serving				Cere
Calories 160	Ca	ories from	Fat 27	
		% Dai	ly Value*	Amount
Total Fat 3g		$\overline{}$	5%	(requirer
Saturated Fa	at 1g	$\overline{}$	3%	
Trans Fat				Take the
Cholesterol				by 4, the
Sodium 115m	g		5%	(1 gram
Total Carbohyd	rate <mark>32g</mark>		11%	
Dietary Fibe	r 1a		4%	(10, 4)
Sugars 190	1			(19g x 4)
Protein 2g				
				This item
Vitamin A 0%	•	Calci	um 2%	the suge
Vitamin C 0%	•	lı	ron 2%	
* Percent Daily Valu	es are based	on a 2.000 c	alorie diet.	
Your Daily Values	may be highe			This item
your calorie needs:	Calories:	2,000	2,500	
Total Fat	Less than	65g	80g	
Sat Fat	Less than	20g	25g	
Cholesterol	Less than	300mg	300mg	
Sodium	Less than	2,400mg	2,400mg	
Total Carbohydrate Dietary Fiber		300g 25g	375g 30g	
Calories per gram:		209		
Fat 9 •	Carbohydra	te 4 •	Protein 4	
				Other
				Unier
				for s
				101
			FORP	Other for e
		SUC	1090	1 3

al Bar nt of sugar ement < 35 % of calories)

e sugars and multiply en divide by calories = 4 calories)

1)/160 = 47.5%

n would NOT meet ar requirement.

n would **NOT** qualify.

for sugar: sucrose, glucose, fructose, high fructose corn syrup, corn syrup, maple syrup, molasses

Read the ingredients list and choose items that do not have , sugars listed as the first three ingredients, or have several kinds of sugars listed.

Nutrition Facts

M

2,400mg

375g

30g

2.400ma

300g

25g

Serving Size: 1 (1 cup, 30 grams)

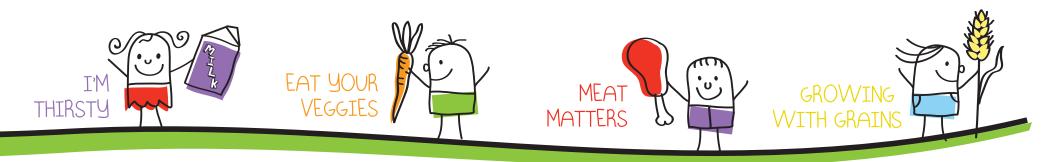
	Calories 118	Cal	ories fron	n Fat <mark>18</mark>
			% Da	ily Value*
	Total Fat 2g			3%
Whole Grain	Saturated Fa			0%
Cereal	Cholesterol Og	, ,		0%
Celeul	Sodium 210m	g		9%
Ana a unit of a union	Total Carbohyd	rate 22g		7%
Amount of sugar (requirement < 35% of calories)	Dietary Fibe	r 3g		12%
	/ Sugars 4g			
	Protein 3g			
Take the sugars and multiply				
by 4, then divide by calories	Vitamin A 0%	•	Calci	um 2%
(1 gram = 4 calories)	Vitamin C 0%	٠	I	ron 6%
(4g x 4)/118 = 13.6%	* Percent Daily Valu Your Daily Values your calorie needs:	may be highe		
		Calories:	2,000	2,500
	Total Fat	Less than	65g	80g
	Sat Fat	Less than	20g	25g
	Cholesterol	Less than	300mg	300mg

Amount Per Serving

This item would meet the sugar requirements.	Sodium Total Carbohydrate Dietary Fiber	Less than
	Calories per gram:	

Fat 9 Carbohydrate 4 ٠ Protein 4







1900 Kanawha Boulevard, East Building 6, Room 248 • Charleston, WV 25305 Phone: 304-558-2708 Fax: 304-558-1149 http://wvde.state.wv.us/nutrition/

In accordance with Federal law and U.S. Department of Agriculture (USDA) policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age or disability.

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC, 20250-9410, or call toll free (866) 632-9992 (Voice). TDD users can contact the USDA through local relay or the Federal Relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice users). USDA is an equal opportunity provider and employer.