



## ······ Agenda ·

- Child Meal Pattern
- Required Training Elements
- Infant Meal Pattern
- Best Practices

## ..... Objectives .....

After completing this training participants will accurately...

- 1. Describe at least three changes to the updated meal patterns.
- 2. Identify creditable meals and foods for meal planning.

## ······ Training Guidelines ······

- Turn your mind on and your phone to silent or off
- Everyone participates
- Be respectful
- Share ideas
- Confidential
- Ask for clarification if you do not understand



## Roll the Dice!

- 1. What kind of whole grain foods do you serve?
- 2. What kind of milk do you serve to a 12 to 23 month old child?
- 3. Do you serve juice? How often?
- 4. At what age do your infants start solid foods?
- 5. The most unusual vegetable your kids like
- 6. In what ways do you introduce new foods?

## Change



Progress is a nice word. But change is its motivator. And change has its enemies.

-Robert Kennedy

## ······ Overview ······





- First major change since 1968
- Changes: greater variety of fruits/vegetables, more whole grains, less added sugar
- Effective Date:
   October 1, 2017

## ..... Why the Change? .....

## Shift in habits:

- Diets high in added sugar, saturated fats and sodium
- 75% of Americans diets are low in vegetables, fruit and dairy
- 1 in 3 children are overweight or obese

## Purpose to help children develop healthy eating habits



## **CHILD MEAL PATTERN**

	···· Fluid	Milk		
	<b>1 year</b> (12-23 months)	Unflavored whole (Vitamin D)		
	2-5 years	<b>Unflavored</b> skim (fat-free) <b>Unflavored</b> 1% (low-fat)		
	6-12 years	Unflavored skim (fat-free) Unflavored 1% (low-fat) Flavored skim (fat-free)*		

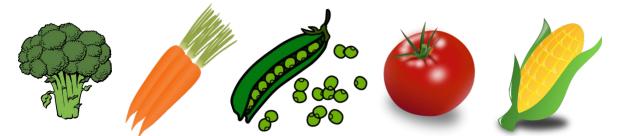
*Non-dairy beverages* that are *nutritionally equivalent to cow's milk* and meet the nutritional standards for fortification of calcium, protein, vitamin A and vitamin D are also allowed (some soy milks).



• • • • • • • • • • • • • • •

Vegetables .....

Recommended vegetable intake=



Average vegetable intake =

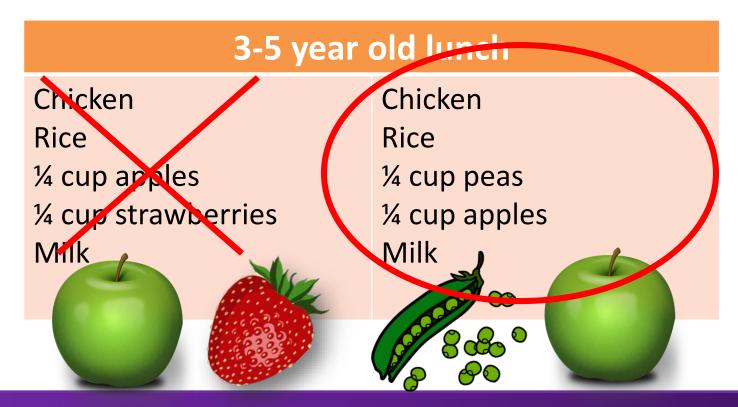


Children need =

1-3 year olds	1 – 1 ½ cups per day
4-8 year olds	1 ½ - 2 ½ cups per day
9-13 year olds	2 – 3 cups per day

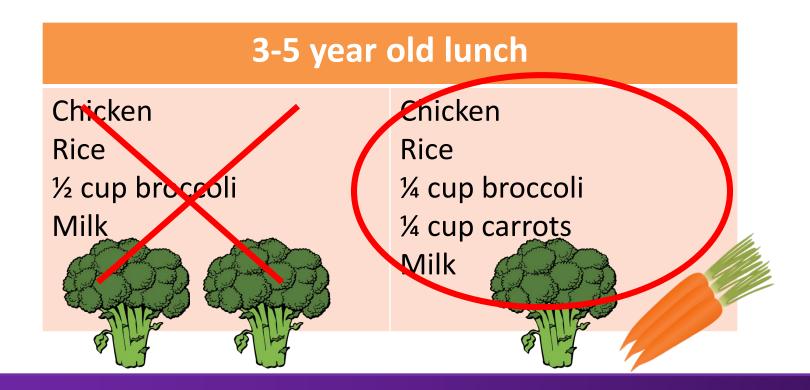
## •••••• Vegetables and Fruits ••••••

- Separate vegetable and fruit components
- At least one vegetable is required at lunch/dinner
- Two fruits at lunch/dinner no longer creditable



### ······ Vegetables and Fruits ······

 Option to serve two different vegetables at lunch or supper



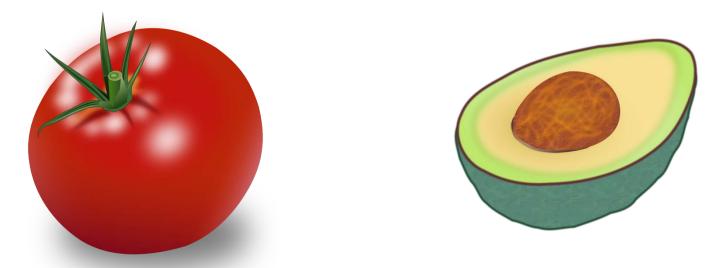
### ······ Vegetables and Fruits ······

• A fruit AND vegetable can be served at snack



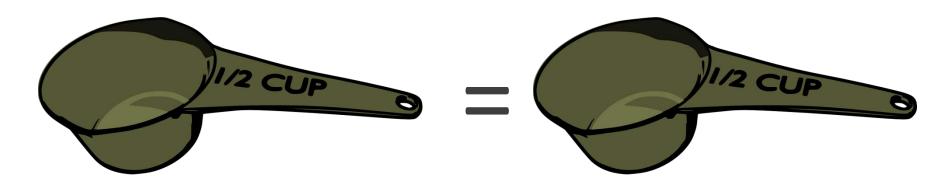
### ······ Vegetables and Fruits ······

#### What is a vegetable???



visit: <a href="mailto:choosemyplate.gov">choosemyplate.gov</a>

#### •••••• Vegetables and Fruits ••••••



#### **Leafy Greens**



 $1 \text{ cup} = \frac{1}{2} \text{ cup}$ 

#### **Dried Fruit**



¼ cup = ½ cup

## •••••• Vegetables and Fruits ••••••

Fruit or vegetable juice is limited to 1x per day

#### Juice must be:

- 100% fruit or vegetable juice
- Full strength (not diluted)



## 

## May serve *meat/meat alternate* in place of grain at *breakfast a maximum of 3 times per week*

Example:

3-5 years: <sup>1</sup>/<sub>2</sub> serving grain swapped for 0.5 oz MMA





## • Tofu and soy yogurt are now creditable meat/meat alternates





Identifiable Firm Tofu

Soy Yogurt

## 

 Yogurt must contain *no more than 23 grams* of sugar per 6 ounces

Peach Yogurt (6 oz)



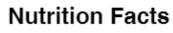
Nutrition Facts	
Serving Size 1 Container (6oz) Servings Per Container 1	
Amount Per Serving	
Calories 150	Calories from Fat 15
	% Daily Value*
Total Fat 2 g	3%
Saturated Fat 1 g	5%
Trans Fat 0 g	
Cholesterol 10 mg	3%
Sodium 95 mg	4%
Potassium 0 mg	
Total Carbohydrate 25 g	8%
Distor Film U.g.	0%
Sugars 18 g	
Protein 6 g	

18 grams of sugar 6 oz serving



# ..... Meat/Meat ...... Meat/Meat

 Yogurt must contain *no more than 23 grams* of sugar per 6 ounces (Or less than 3.83 gm sugar/oz)
 Strawberry Go-gurt (2.25 oz)



Serving Size 1 tube (64g) Servings Per Container 8

Amount Per Serving	
Calories 60	Calories from Fat 5
	% Daily Value*
Total Fat 0.5 g	1%
Saturated Fat 0 g	0%
Trans Fat 0 g	
Cholesterol 5 mg	1%
Sodium 30 mg	1%
Potassium 90 mg	
Total Carbohydrate 12 g	4%
Dietary Fiber 0 g	0%
Sugars 9 g	
Protein 2 g	

9 gm / 2.25 oz

= 4 gm/oz









## Identifying Creditable Foods

#### Activity 1: Yogurt Sugar Limits

## **Yogurt Sugar Limits**

**Nutrition Facts** 

Serving Size 1 container (170g)

Servings Per Container 1



6 oz container

Amount Per Serving	
Calories 150	Calories from Fat 15
	% Daily Value*
Total Fat 1.5 g	2%
Saturated Fat 1 g	5%
Trans Fat 0 g	
Cholesterol 5 mg	2%
Sodium 90 mg	4%
Potassium 280 mg	
Total Carbohydrate 29 g	10%
Dietary Fiber 0 g	0%
Sugars 24 g	
Protein 6 g	

## ······ Yogurt Sugar Limits ·····

32 oz container

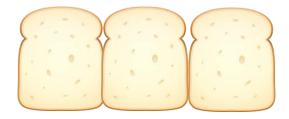
#### Nutrition Facts

Serving Size 1 cup (225g) Servings Per Container 4

#### Amount Per Serving Calories 190 Calories from Fat 0 % Daily Value\* Total Fat 0 g 0% Saturated Fat 0 g 0% Trans Fat 0 g Cholesterol 10 mg 3% Sodium 70 mg 3% Potassium 200 mg Total Carbohydrate 29 g 10% Dietary Fiber 0 g 0% Sugars 27 g Protein 17 g . ... . .

### Grains

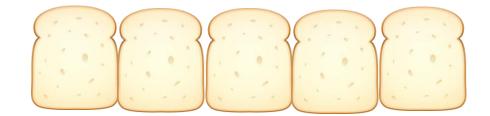
Recommended whole grain intake =



Average whole grain intake =



Average refined grain intake =





# At least one grain per day must be *whole grain-rich*.



#### Whole Grain-Rich .....

## **Definition:** at least 50% whole grains and the remaining grains are enriched



#### \*Applies Only to the Child Meal Pattern\*

#### **Documentation:**

Menus must list whole grain-rich items (whole wheat bread, brown rice)

## Whole Grain-Rich .....

- Whole-wheat flour
- Oatmeal
- Brown Rice
- Quinoa
- Wild Rice

- Whole-wheat bread
- Whole-grain cereal
- Whole-wheat pasta
- Whole-grain crackers



#### Whole Grain-Rich .....

## Whole grain is the first ingredient listed (or second after water)



The product includes a FDA approved health claim

#### ••••• Determining Whole Grain-Rich •••••

### Tips:

- Enriched grains must include the word "enriched"
  - Ex: Enriched wheat flour
- Ignore wheat gluten
- Ignore bran and germ
  - Unless one of these is the first ingredient, in which case the product is not creditable as a grain
- Ignore everything listed as less than 2% of the product

#### ••••• Determining Whole Grain-Rich •••••

				A DESCRIPTION OF THE OWNER OF THE		No. of Lot of Lo	a wat the st
Nutrition	Amount/serving 9	% <b>DV</b> *	Amount/serving	% <b>DV</b> *	*Percent Daily Values (D	V) are t	ased up
	Total Fat .5g	1%	Total Carbohydrate 14g	5%	12,000 calorie diet. Your	Daily Va	luge may
Facts	Saturated Fat 0g	0%	Dietary Fiber 2g	10%	higher or lower depending u		
Conving Size: 1 Slice (28g)	Trans Fat 0g	and and	Sugars 2g		Nutrients Calories: Total Fat Less that		2,500
Serving Size: 1 Slice (28g) Servings Per Container: 16	Cholesterol Omg	0%	Protein 3g		Saturated Fat Less than		80g 25g
	Sodium 150mg	6%			Cholesterol Less than	300mg	300ma
Calories 60 Calories from Fat 5	Vitamin A 0% • Vit Thiamine 10% • Rib	tamir	n C 0% • Calcium 4% • Iror n 6% • Niacin 4% • Folio Acid	14%	Sodium Less than Total Carbohydrate	2,400mg 2,4 300g 375	g 2,400mg 375g
INGREDIENT & WHOLE WHEAT FLOU	ATER SUGAR VEAST	ONTAIN				259	30g
INGREDIENT & WHOLE WHEAT FLOUL & JATER, SUGAR, YEAST CONTAINS 2% OR LESS OF THE FOLLOWING: WHEAT GLOTEN, SOTBLAN OIL, SALL, DOUGH CONDITIONATE, CONTAINS: WHEAT.							
PAN-O-GOLD "VILLAGE HEARTH" BAKER	RS, ST. CLOUD, MN 56302 • F	FARGO,	ND 58108 • MINNEAPOLIS, MN 55447 • SU	JN PRAIR	IE, WI 53590 www.panogold.co	om VH 10	0%WW

## • Reviewing Labels

THOMAS

HEARTY

100% WHOLE WHEAT









## Identifying Creditable Foods

#### Activity 2: Whole Grain-Rich

## ······ Is it Whole Grain-Rich? ····



#### **Ingredients:**

Whole Grain Wheat Flour, Soybean Oil, Sugar, Cornstrych, Malt Syrup (from Barley), ar Со Ole pac fresh \*\*\*\*Contains: Wheat.

## ······ Is it Whole Grain-Rich? ·····



Ingredients: Unbleached Enriched Flour (Wheat Flour, Niacin, Reduced Iron, Thiamine Mononitrate [ Ribof H Lea losphate ng Soda), Salt, High and Fructose Corn Syrup, Soy Lecithin.

### ····· Is it Whole Grain-Rich? ·····



**Ingredients:** Durum Whole Wheat Flour (100%). \*\*\*Warning: Contains: wheat.\*\*\*

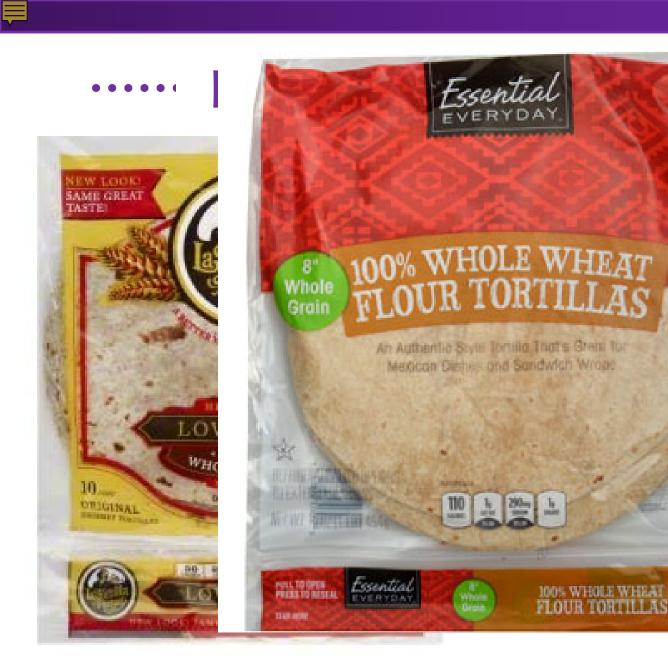
### ······ Is it Whole Grain-Rich? ·····



### ····· Is it Whole Grain-Rich? ·····



**Ingredients:** Fine whole wheat flour, water, brown sugar, wheat gluten, yeast, whole wheat flour, wheat bran, contains low nan 2% of each of soybea 'OV р m ph enz addes as a c asco conditioner, wheat germ, lecithin.



er,

DIW

10

- What is a *grain-based dessert*?
  - Cakes/ Cookies/ Sweet Pies/
     Fruit Turnovers/ Brownies
  - Doughnuts/ Sweet Rolls
  - Toaster Pastries/ Granola Bars/ Cereal Bars
  - Graham Crackers/Animal Crackers







 Grain-based desserts are no longer creditable for any meal or snack



### • Can they still be served? Yes (Extra Only)

- Breakfast cereal nutrient requirement
  - -No more than 6 grams of sugar per dry ounce
  - Includes: ready-to-eat, instant and regular hot cereals



### ..... Is It Creditable? .....

- 1. Find serving size in grams and the grams of sugars
- 2. Divide *sugars* by *serving size (in grams)*
- 3. If the answer is:

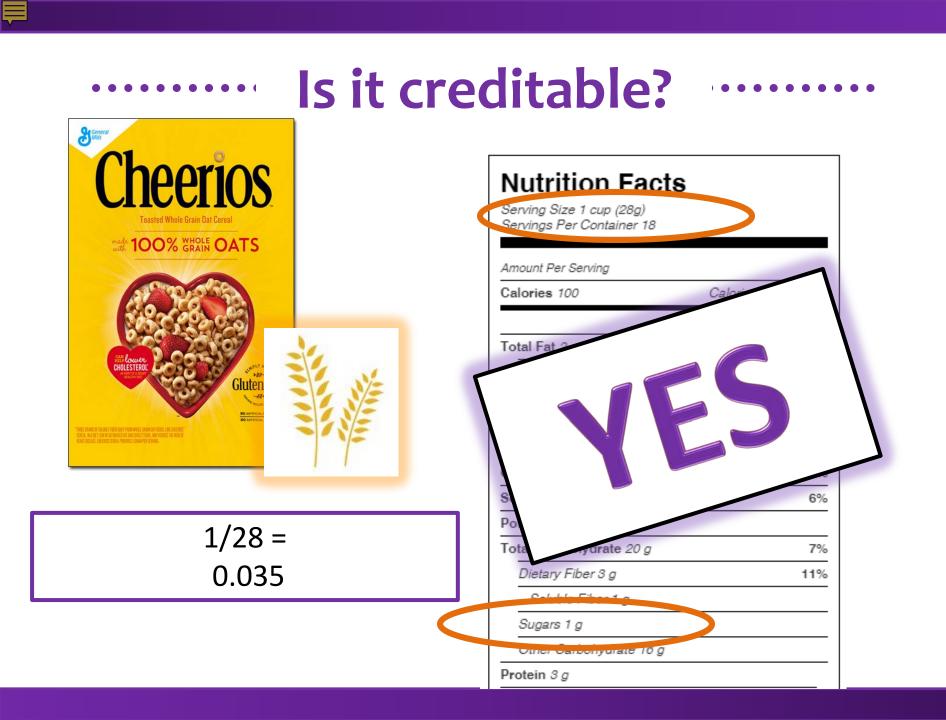
Equal to or less than 0.21 – Creditable

Greater than 0.21 – Not Creditable

### ······ Is it creditable? ·····



Nutrition Facts							
Serving Size 1 cup (28g) Servings Per Container 18							
Amount Per Serving							
Calories 100	Calories from Fat 15						
	% Daily Value <sup>x</sup>						
Total Fat 2 g	3%						
Saturated Fat 0.5 g	3%						
Trans Fat 0 g							
Polyunsaturated Fat 0.5 g							
Monounsaturated Fat 0.5 g							
Cholesterol 0 mg	0%						
Sodium 140 mg	6%						
Potassium 180 mg							
Total Carbohydrate 20 g	7%						
Dietary Fiber 3 g 11%							
Caluble Etheral a							
Sugars 1 g							
Other Oarbonyurate 10 g							
Protein 3 g							



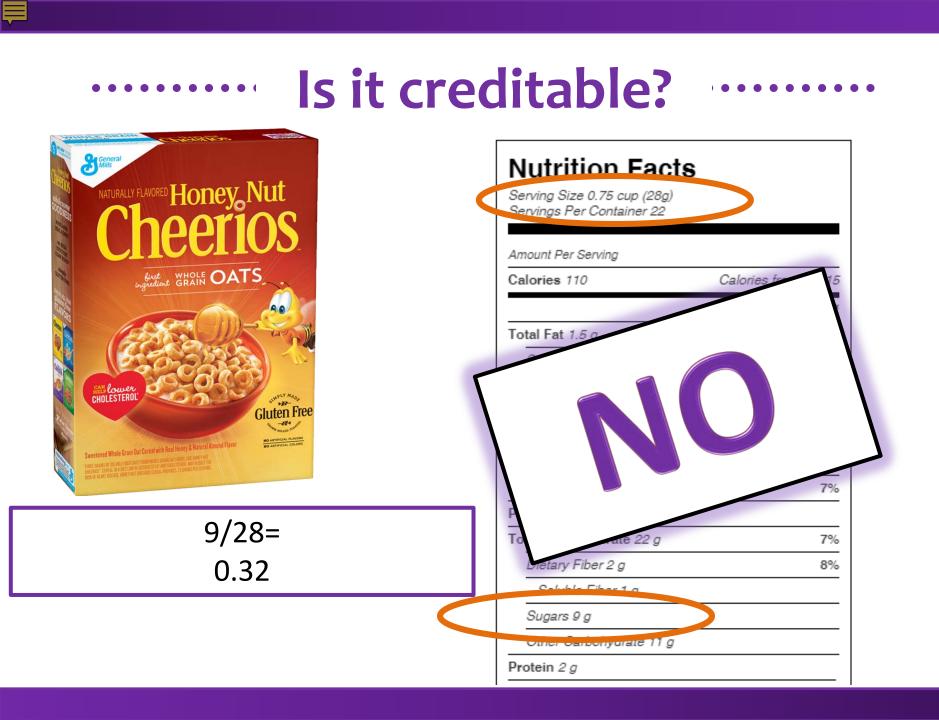
### ..... Is it creditable? .....



### Nutrition Facts

Serving Size 0.75 cup (28g) Servings Per Container 22

Amount Per Servina Calories from Fat 15 Calories 110 % Daily Value<sup>x</sup> Total Fat 1.5 g 2% Saturated Fat 0 g 0% Trans Fat 0 g Polyunsaturated Fat 0.5 g Monounsaturated Fat 0.5 g Cholesterol 0 mg 0% Sodium 160 mg 7% Potassium 115 mg Total Carbohydrate 22 g 7% Dietary Fiber 2 g 8% Caluble Eibard a Sugars 9 g other carbonydrate 11 g Protein 2 g





### Identifying Creditable Foods

### Activity 3: Cereal Sugar Limits

### ······ Cereal Sugar Limits ······



### Nutrition Facts

Serving Size 1 cups (27g) Servings Per Container 12

Amount Per Serving	
Calories 100	Calories from Fat §
	% Daily Value
Total Fat 0.5 g	1%
Saturated Fat 0 g	0%
Trans Fat 0 g	
Cholesterol 0 mg	0%
Sodium 220 mg	9%
Potassium 50 mg	
Total Carbohydrate 23 g	8%
Dietary Fiber 1 g	4%
Sugars 2 g	
Other Carbohydrate 0	
Destain 2 a	

Protein 2 g



**Ingredients:** Whole Grain Rice, Rice, Sugar, Salt, Molasses. Vitamin E (Mixed Tocopherols) and BHT Added to Preserve Freshness. Vitamins and Minerals...

### ····· Cereal Sugar Limits ······

Nutrition Facts



Serving Size 1 packet (43g) Servings Per Container 10					
Amount Per Serving					
Calories 160	Calories from Fat 20				
	% Daily Value*				
Total Fat 2 g	3%				
Saturated Fat 0 g	0%				
Trans Fat 0 g					
Polyunsaturated Fat 0.5 g					
Monounsaturated Fat 1 g					
Cholesterol 0 mg	0%				
Sodium 260 mg	11%				
Total Carbohydrate 32 g	11%				
Dietary Fiber 3 g	11%				
Soluble Fiber 1 g					
Sugars 13 g					
Protein 4 g					



**Ingredients:** Whole Grain Rolled Oats (With Oat Bran), Sugar, Salt, Brown Sugar Flavor Blend (Natural Flavors, Non-Fat Milk, Carob Powder, Salt), Calcium Carbonate (A Source Of Calcium), Natural Flavors, Guar Gum, Caramel Color, Niacinamide\*, Vitamin A Palmitate, Reduced Iron, Pyridoxine Hydrochloride\*, Riboflavin\*, Thiamin Mononitrate\*, Folic Acid\*. \*One Of The B Vitamins. Contains Milk Ingredients.

### ······ Cereal Sugar Limits ······



NUTRITION	-a	CTS
Serving Size 1 ¼ cup (33g) Servings Per Container abour	+ 10	
Servings Per Container abou	10	
Amount Per Serving	Berry Berry Kix	with ¾ cup skim milk
Calories	120	160
Calories from Fat	15	15
	% Dai	ly Value**
Total Fat 1.5g*	2%	2%
Saturated Fat 0g	0%	0%
Trans Fat 0g		
Polyunsaturated Fat 0.5g		
Monounsaturated Fat 0.5g		
Cholesterol Omg	0%	1%
Sodium 170mg	7%	10%
Potassium 70mg	2%	8%
Total Carbohydrate 28g	9%	11%
Dietary Fiber 2g	7%	7%
Sugars 7g		
Other Carbohydrate 19g		
Protein 2g		





**Ingredients:** Whole Grain Corn, Corn Meal, Sugar, Canola Oil, Salt, Brown Sugar Syrup, Tricalcium Phosphate, Vegetable and Fruit Juice Color, Trisodium Phosphate, Citric Acid, Natural Flavor. Vitamin E Added to Preserve Freshness.

### WIC Shopping Guide Cereal List



	re			14688			TAL	Mar .	F- 国际的	Stell	×4
who	e grain	cereal	S . More	than 51% w	hole grain	other	cerec	IS • 10	ss than 51	% whole g	rain
	with 100% fol					🋊 Cereals v	vith 100% foli	ic acid			
e	with 5 or more reals - 12				-	Cold Con	ook . 1	2 oz or lan	Tor		
	87 54		CHARLES THE REAL							-	The al
Cheenos General Mils Cheerios plain gloten face	Cheerics General Mils Multi-Grain Cheerios plain glaten free	General Mills Kix honoy	KiX 2000 General Miles Kix plan	General Mills Kix beny beny	General Mils General Mils Total whole grean plain	General Mils Corn Chex plase gluten free	General Mils Rice Chex plan glaten free	Kellogg's Com Hakes plain	Crispix Relogy's Crispix pian	Kelogy's Rice Krispies plain	Kalogy's Special K plan
WHEATIES General Mills Whecelies plain	General Miles Wheat Chex plain	Kellogo's Frosted Mini Wheats arginal	Kelogr's Frosted Mini Wheats big bie	Kellogy's Frasted Mini Wheats Wile hates	Kology's Rice Krispies guten free	Malt O Meal Crispy Rice plan	Post Honey Bunches of Oots with admonts	Post Honey Bunches of Oats annanon bunches	Post Honey Banches of Oats honey roosted		
			-	-	Contraction of the local division of the loc	Hot Cerec	ık	DUIKINS			
Matt-O-Med Minii-Spooners plain trosted	Mat-D-Meel Mini: Spooners strowberry croom	MatrO-Meal Mini-Spooners bluebeny	Post Grape-Muts plain	Post Honey Bunches of Dats Whole Grae honey conch	Where Grain Post Honey Bunches of Dats Whole Grain whole Grain whole State	COCO Wheats 78 or	Cream of Rice 14 ar giston free	Cream of Wheat 28 ar ariginal	Mait of Mean Mait O Mean 28 or 36 or organi	Mait O Mean Mait-O-Mean 28 or 36 or chacalate	Quaker Instant Grit 12 or individual
		Salara		Bran Flakes	Tastecos or Tocested Oats	•			•	•	packets, atiginal flave anly
Post Great Grains bonono not crunch	Quaker Life plan	Quaker Oatmeal Squares brown sugar	Quaker Oatmeal Squares citnamon	Any State Band Bran Flakes	Any State Boool Tocasted Ocits Of Tasteeos	Ways buy u	to p to 3	6 oz ot	f cerea		
+	.*	+1							p to a tota	Ę.	
Hot Cer	eals	_	WIC ALL		areway ood Club	of 36 or	unces per	month."			
Cream of Wheat 18 az whole grass	Quaker Outmeal 11.8 or antividual pockats, angiaal flower	Instan Oatme Instant Outme 11.8 oc advidue pociets regular for	Bran Fle Toasted Tasteea	akes, G Oats, H s and H Datmeal H ys Save A Choice G Value R atial S	oba Calab ireat Volue lospitality lyVee GA Aarket Pantry Adiville Dur Farnity Lalston Aurtine Lalu Time	500 + 160 31 0	z +2	3.0 oz 1.7 oz 4.7 oz	Emi Emi 12 or 12 or + 12 or 36 or		18 oz 18 oz 36 oz



### *No deep fat frying* food



### ······ Additional Changes ······

### Water must be available <u>AND</u> offered to children throughout the day

### ······ Additional Changes ······

### Food cannot be used as a reward or punishment



## Child Summary

- Make every sip count
- More protein options
- Greater variety of vegetables and fruits
- More whole grains
- Less added sugars
- No deep fat frying



### CHILD MEAL PLANNING

### How Can You Make This Creditable?

- Oatmeal
- Apple Juice
- Skim Milk
- Turkey on Bread
- French Fries/Bananas
- Skim Milk
- Graham Crackers
- Grape Juice

- Oatmeal (WGR)
- Apples
- Skim Milk
- Turkey, WW Bread (WGR)
- Baked Fries/Bananas
- Skim Milk
- Wheat Thin Crackers(WGR)
- Grape Juice

### How Can You Make This Creditable?

- Rice Krispies
- Peaches
- Whole Milk
- Pancakes, Sausage
- Oranges/Watermelon
- 1% Milk
- Gogurt
  - Strawberries

- Cheerios (WGR)
- Peaches
- 1% Milk
- Pancakes, Sausage
- Oranges/ Hashbrowns

- 1% Milk
- <23 gm sugar / 6 oz Yogurt
- Strawberries

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How Can You Make This Creditable?						
<ul> <li>Scrambled Eggs w/ Spinach, Peppers &amp; Salsa</li> </ul>	<ul> <li>Scrambled Eggs w/ Spinach, Peppers &amp; Salsa</li> </ul>					
Whole Milk	Skim Milk					
WW Pasta/Meat Sauce	WW Pasta/Meat Sauce-WGR					
<ul> <li>Broccoli/Peas</li> </ul>	<ul> <li>Broccoli/Peas</li> </ul>					
Chocolate Milk	Skim Milk					
Apple	Apple					
Peanut Butter	Peanut Butter					

### $\bullet \bullet \bullet \bullet \bullet$ >

  $\bigcirc$ 



### **REQUIRED TRAINING ELEMENTS**





Match the questions in your packet on page 5 to the answers posted around the room. Record the letter and answer next to the question that it belongs to.



### **NEW INFANT MEAL PATTERN**

### **Breastfeeding**

 Breastfeeding is reimbursable on site
 Expressed breastmilk is an acceptable fluid milk substitute for any age



### ..... Two Age Groups

Current Meal Pattern

0-3 months 4-7 months 8-11 months \*New\* Meal Pattern

0-5 months 6-11 months

\*Solid foods when developmentally ready

### ..... Developmentally ..... Ready

- □ Sit in a high chair with good head control
- Opens his/her mouth for food
- Can move food from a spoon into throat



 Doubled birth weight and weighs about 13 pounds or more

### **Discussion**

How do you communicate and implement new foods with parents of an infant that is developmentally ready to start solids?



### Infant Fruits, Vegetables & Grains

• Vegetable or fruit required

at snack

- No Juice
- Ready-to-eat cereals\* at snack





### ..... Infant Meat/Meat ...... Alternate

### Allows:

- Cheese
- Cottage cheese
- Yogurt\*
- Whole eggs





### Not allowed: Cheese food or cheese spreads

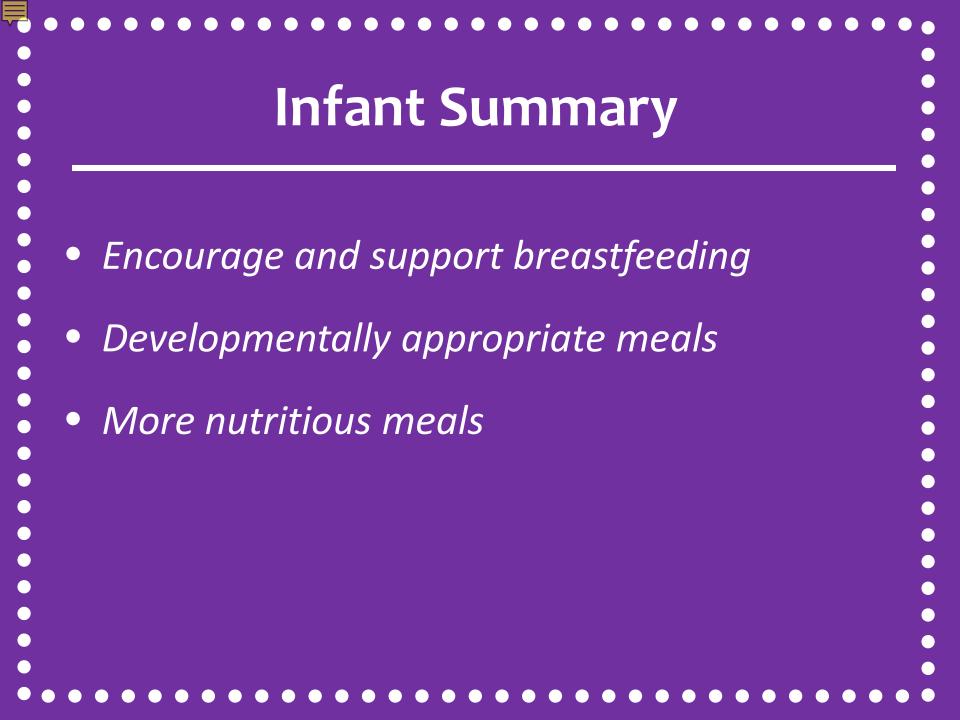
### ····· Infant Meals and Snacks

### <u>Meals</u>

- BM/IFIF
- IFIC and/or MMA
  - Vegetable and/or fruit

### **Snacks**

- BM/IFIF
- Vegetable and/or fruit
  - Grains



### ······ Additional Change

A parent may now only provide <u>ONE</u> component of the meal pattern





### BEST PRACTICES

### ········ Best Practices ·······

• Infants:

- Support breastfeeding

- Vegetables/Fruit:
  - Serve a *vegetable or fruit for snack daily*
  - Serve a variety of fruits and choose whole fruits
  - Provide at least one serving per week of
    - Dark green vegetables
    - Red/orange vegetables
    - Beans and peas (legumes)
    - Starchy vegetables
    - Other vegetables



### **Best Practices**

- Grains:
  - Serve whole grain-rich twice per day
- Meat/ Meat Alternate:
  - Serve only *lean meats, nuts, legumes*
  - Limit processed meats to once/week
  - Serve only *natural, low-fat/ reduced fat cheeses*



### **Best Practices**



### • Limit pre-fried food to once/week

• Seasonal and local produce





• Avoid non-creditable foods that are sources of added sugars



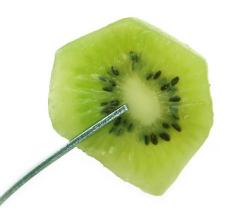
Vegetable Best Practices Activity





# How will these changes benefit the children?





### Questions & Evaluation



