Production Records in School Meals

Kathleen Hiltwine, MPH Jenny Edmondson, MS

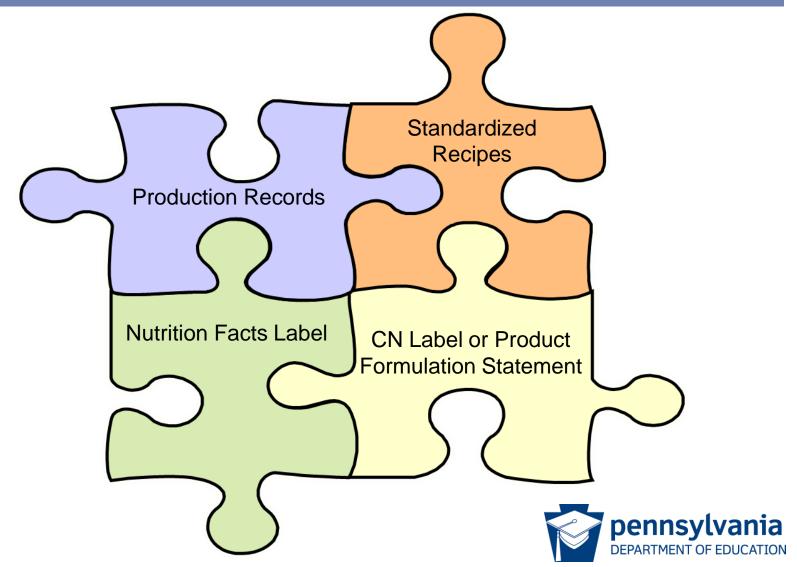


Objectives

- Understand the process and requirements for completing a production record.
- Understand the information included on the production record and why it is useful.
- Understand how to use the "factor method" for standardized recipes.
- Know what labels, documentation, and resources to use and maintain to credit foods correctly to the meal pattern.



Goal: Menus Planned and Prepared in Required Quantity



Meal Pattern Requirements by Age/Grade Group

Meal Pattern Chart, PDE721 on PEARS, Download Forms

Meal P	attern	Chart-	5 Day W	leek (Ma	odified t	o Inclua	le K-8)	
Final Rule Nutrition Stan	dards in the	e National S	chool Lunch	and School Br	eakfast Prog	grams – Janu	ary 2012, Re	vised 2014
	Breakfa	ast Meal P	attern—5 o	lay week	Lunc	h Meal Pat	tern—5 day	/ week
Grade	K-5	K-8	6-8	9-12	K-5	K-8	6-8	9-12
Meal Pattern			Amount of	of Food ^a Per V	Veek (Minim	um Per Day)	
Fruits (cups) ^{b, c}	5 (1) k	5 (1) k	5 (1) k	5 (1) k	21/2 (1/2)	21/2 (1/2)	21/2 (1/2)	5 (1)
Vegetables (cups) ^{b, c}	0	0	0	0	3¾ (¾)	3¾ (¾)	3¾ (¾)	5 (1)
Dark green ^d	0	0	0	0	1/2	1/2	1/2	1/2
Red/ Orange ^d	0	0	0	0	3⁄4	3⁄4	3⁄4	11/4
Beans/ Peas (Legumes) d	0	0	0	0	1/2	1/2	1/2	1/2
Starchy ^d	0	0	0	0	1⁄2	1/2	1/2	1/2
Other ^{d, e}	0	0	0	0	1/2	1/2	1/2	3/4
Additional Veg to Reach Total ^f	0	0	0	0	1	1	1	11/2
Grains (oz. equivalent) ¹	7 (1)	8 (1)	8 (1)	9 (1)	8 (1)	8 (1)	8 (1)	10 (2)
Meats/Meat Altemates (oz. equivalent)	0s	0s	0ª	0s	8 (1)	9 (1)	9 (1)	10 (2)
Fluid milk (cups) h	5 (1)	5 (1)	5 (1)	5 (1)	5 (1)	5(1)	5 (1)	5 (1)
Oth	er Specific	ations: Dai	ly Amount	Based on the	Average for	a 5-Day We	ek	
Min-max calories kcal) ^{i, j}	350-500	400-500	400-550	450-600	550-650	600-650	600-700	750-850
Saturated fat % of total calories) ^{i, j}	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Daily Sodium Restrictions mg) ^{j, m}	<u>< 540</u>	<u><540</u>	<u>< 600</u>	<u>< 640</u>	<u>< 1230</u>	<u><1230</u>	<u>< 1360</u>	<u>< 1420</u>
<u>Tran</u> s fat ^j	Nutri	tion label or	manufacture	specifications	must indicate	zero grams of	't <u>ran</u> s fat per s	serving.

Production Records Overview

- USDA requirement for the National School Lunch Program, School Breakfast Program and Afterschool Snack Program.
- Provides documentation that meals planned were actually served.
- Identifies information needed when conducting the nutrient analysis.
- Ensures that requirements for the meal pattern components are met.
- Serve as a communication tool and daily "to do" list for staff.



Benefits of Production Records

- An excellent planning and forecasting tool for a successful food service operation.
- Provides a written history that can be used to evaluate customer preference and improve menu planning:
 - Minimizes overproduction and food waste; and
 - Identifies trends and tracks participation.
- Provides a daily written history of the foods planned, prepared and served.
- Documents crediting and provides data needed for nutrient analysis.



Production Records: Basics

- Who is responsible for completion of the production record?
 - Menu planner
 - Production staff
 - Meal servers
- When should production records be completed?
 - Majority is completed prior to the day of meal service.
 - Remainder is completed on the day of meal service.



Production Records: Basics

- Where should daily production records be kept?
 - In a location where staff can easily refer to and complete as necessary.
- How long must production records be kept on file?
 - For three years plus the current school year.



Format of Production Records

Formats vary but should include:

- Site name, date, meal, and menu type
- Age/grade group to be served
- Meals planned and served
 - Reimbursable
 - Non-reimbursable (i.e., adult, a la carte, etc.)
- <u>All</u> planned menu items, <u>including</u> condiments and extras
- Standardized recipe name and number, and/or product name and description
- Portion or serving sizes by grade group



Formats vary but should include (cont.):

- Planned number of reimbursable servings
- Total projected servings (reimbursable + non-reimbursable)
- Contribution to the meal components
- Total servings produced
- Number of reimbursable servings and non-reimbursable servings actually served
- Amount leftover
- Substitutions



PDE Production Record Template

Menu Product	tion Record																			
School/Site:			(Day/Date:											Age/Gra	de Grp.	Meals F	Planned	Meals	Served
Breakfast	Lunch Afterschool Snack											Studen	t Meal	s						,
Offer vs. Se	rve Serve-only										No	n-reim	ib. Mea	als						,
Comments:												Total	Meals							
	Menu Item	az (Compo	onent (Contrib	utions				P	Ser	ved	Am	ount Lefto	ver
		on Si sure)	s of	s		eq		-		cup	o(s)				duce	SốL			ck	
Include recipe	e name/recipe # or product name & description	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	Total Projected Servings	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	Total Veg.	Servings Produced	Reimb. Servings	Non-reimb. servings	Carryover	Return to Stock	Waste

General Information Section

- Site/school name
- Date
- Meal type checkbox
 - Breakfast
 - Lunch
 - Afterschool Snack
- Offer vs. serve or serve-only checkbox
- Comments section



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Menu Production Record																			
School/Site:		1	Day/Date:											Age/Gra	de Grp.	Meals I	Planned	Meals	Served
Breakfast Lunch Afterschool Snack											Studen	t Meal	s						
Offer vs. Serve Serve-only										No	on-reim	b. Mea	als						
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Include recipe name/recipe # or product name & description	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	T otal Projected Servings	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	Total Veg.	Servings Produced	Reimb. Servings	Non-reimb. servings	Carryover	Return to Stock	Waste
							-					7							

Meals Planned and Served Section

- Indicate age/grade group.
- Fill in the <u>planned</u> number of meals prior to meal service:
 - Student meals (reimbursable);
 - Non-reimbursable meals (adult, a la carte, dropped trays, etc.); and
 - Total meals = student meals + non-reimbursable meals.
- After meal service, fill in meals <u>served</u> for each category.



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		Afterschool Snack								(Studen	t Meal	S						
Offer vs. Se	rve 🗌 Se	rve-only										No	n-reim	nb. Mea	als						
omments:													Total	Meals							
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Include recipe	e name/recip descript	e # or product name & ion	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	T otal Projected Servings	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	Total Veg.	Servings Produced	Reimb. Servings	Non-reimb. servings	Carryover	Return to Stock	Waste
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Menu Item Column

- Enter each menu item in the reimbursable meal.
 - Include all menu choices available.
 - Example: Student can choose shepherd's pie or PB&J.
- Menu items with more than one ingredient/component.
 - Enter in only one row and include standardized recipe or product information.
 - PB&J (grain and meat alternate)
 - Shepherd's pie (starchy vegetable and meat)



Menu Item Column (cont.)

- Be as specific as possible!
- Examples:
 - Local recipe name/number
 - PrimeroEdge recipe name/number
 - USDA recipe name/number
 - USDA foods
 - Brand name
 - Include form of item, if applicable:
 - "canned in light syrup, drained"
 - "raw, shredded"



Menu Item Column (cont.)

- Menu items and recipes need to be updated when products change.
- Remember to keep your labels for all menu items!
- "PDE shared" menu items in PrimeroEdge are maintained in the system and updated as changes occur.



Menu Production Record																			
School/Site:		(Day/Date:											Age/Gra	de Grp.	Meals F	lanned	Meals	Served
Breakfast Lunch Afterschool Snack											Studen	t Meak	s						
Offer vs. Serve Serve-only										No	n-reim	b. Mea	IIS						
Comments:											Total	Meals							
Menu Item	8						Compo	onent (Contrib	utions				g	Ser	ved	Amo	ount Lefto	ver
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Include recipe name/recipe # or product name & description	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	Total Projected Servings	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	Total Veg.	Servings Produced	Reimb. Servings	Non-reimb. servings	Carryover	Return to Stock	Waste

Portions and Servings Columns

- Planned Portion Size
 - Number ("one sandwich")
 - Volume or weight ("¹/₂ cup" or "3 oz patty")
- Planned Number of Reimbursable Servings
 - This column must be used when conducting your nutrient analysis!
 - Menu planner must look at historical student preferences when planning reimbursable servings.

Total Projected Servings

Planned reimbursable
 + non-reimbursable



Menu Production Record																			
School/Site:		1.0	Day/Date:											Age/Gra	de Grp.	Meals F	lanned	Meals	Served
Breakfast Lunch Afterschool Snack											Studen	t Meak	8						
Offer vs. Serve Serve-only										No	on-reim	ib. Mea	Is						
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Include recipe name/recipe # or product name & description	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	Total Projected Servings	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	Total Veg.	Servings Produced	Reimb. Servings	Non-reimb. servings	Carryover	Return to Stock	Waste

Component Contributions Column

- Menu planner indicates how each menu item credits to the meal pattern.
- Meat/Meat Alternate and Grains are credited as ounce equivalents (oz eq).
 - Minimum creditable amount is 0.25 oz eq.
 - Example: a 3 oz fish patty credits as 2 oz eq meat (CN label).
- Fruits and Vegetables are credited by volume.
 - Minimum creditable amount is 1/8 cup.
 - Vegetable subgroups are included.



Menu Production Record											[
School/Site:		1.0	Day/Date:											Age/Gra	ade Grp.	Meals	Planned	Meals	Served
Breakfast Lunch Afterscho	ol Snack									5	Studen	t Meak	s						
Offer vs. Serve Serve-only										No	on-reim	b. Mea	als						
Comments:											Total	Meals							
Menu Item	e ze					-	Compo	onent (Contrib	utions			_	Ţ	Ser	ved	Am	ount Lefto	ver
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Include recipe name/recipe # or product description	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	Total Projected Servious	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	Total Veg.	Servings Produced	Reimb. Servings	Non-reimb. servings	Carryover	Return to Stock	Waste

PDE Production Record: Day of Service

Servings Produced Column

 Indicate the number of servings produced (i.e. placed on the line) for each menu item.



PDE Production Record: Day of Service

Menu Production	on Record																			
School/Site:				Day/Date:											r	ade Grp.	Meals F	Planned	Meals	Served
Breakfast [Lunch Afterschool Snack											Studen	t Meal	s						
Offer vs. Serv	ve Serve-only										No	on-reim	ib. Mea	als						
Comments:												Total	Meals			_				
	Menu Item	0			_			Compo	onent (Contrib	utions			_		Ser	ved	Am	ount Lefto	ver
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Include recipe r	name/recipe # or product name & description	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	Total Projected Servings	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	T otal Veg.	Servings Produced	Reimb. Servings	Non-reimb. servings	Carryover	Return to Stock	Waste

Served Columns

Reimbursable Servings

 Enter the amount of reimbursable servings that were actually served for each menu item.

Non-reimbursable Servings

- Enter the amount of non-reimbursable servings (i.e. adult meals, a la carte purchases, etc.) that were actually served for each menu item.
- Complete Meals Served section in chart at top.



Menu Production Record																	/	
School/Site:		1.0	Day/Date:											Age/Grade Grp.	Meals	Planned	Meals	Served
Breakfast Lunch Afterschool Sna	ck										Studer	t Meal	s					
Offer vs. Serve Serve-only										No	n-rein	nb. Mea	als					
Comments:											Total	Meals						
Menu Item	ez						Compo	onent (Contrib	utions				P S	erved	Am	ount Lefto	ver
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Include recipe name/recipe # or product name description	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	T otal Projected Servings	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	Total Veg.	Servings Produced Reimb. Servings	Non-reimb. servings	Carryover	Return to Stock	Waste
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				_			7											
								<u>. </u>					-					

Amount Leftover Columns

- Carryover
 - Enter the amount of that menu item that will be served at upcoming meal.
- Return to Stock
 - Enter the amount that was returned to stock.
- Waste
 - Enter the amount that was thrown away.



Menu Production Record											[[[
Schoo//Site:		1.0	Day/Date:											Age/Gra	ade Grp.	Meals	Planned	Meals	Served
Breakfast Lunch Afterschool Snack	ě.										Studen	t Meak	s						
Offer vs. Serve Serve-only										No	on-reim	b. Mea	als						
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Include recipe name/recipe # or product name & description	Planned Portion Size (wt. or measure)	Planned # of Reimbursable Servings	Total Projected Servings	Meat/Meat Att.	Grains	Fruit	Dk. Green Veg	R/O Veg.	Legumes	Starchy Veg.	Other Veg.	Additional Veg.	Total Veg.	Servings Produced	Reimb. Servings	Non-reimb. servings	Camyover	Return to Stock	Waste

Production Records on PrimeroEdge



PrimeroEdge website: www.paschoolmealsses.com

For technical assistance contact CN Resource: pahelp@cnresource.com
1-855-286-7685



Standardized Recipes

- Required for menu items with more than one ingredient.
- Include preparation instructions for consistent quality and predictable yield.
- Indicate proper portioning and crediting of meal components.
- Help control food costs.
- Include Hazard Analysis and Critical Control Points (HACCP) process information for food safety.
- Provide consistency for customer satisfaction.



Standardized Recipes: Example

Chicken Alfredo With a Twist 🏓

Meal Components: Meat/Meat Alternate-Grains

Main Dishes D-54r

	50 9	Servings	100 9	Servings	Directions
Ingredients	Weight	Measure	Weight	Measure	Process #2: Same Day Service
Water		6 gal		12 gal	1. Heat water to a rolling boil.
Rotini pasta, whole-grain, dry	4 lb	5 qt 1 ½ cups	8 lb	2 gal 2 ¾ qt	 Slowly add pasta. Stir constantly, until water boils again. Cook about 8 minutes or until al dente; stir occasionally. DO NOT OVERCOOK. Drain well. Pour into steam table pans (12" x 20" x 4"). For 50 servings, use 2 pans. For 100 servings, use 4 pans. Critical Control Point: Hold pasta at 135 °F or higher.
Low-fat, reduced-sodium cream of chicken soup, condensed	9 lb 6 oz	1 gal ¾ qt (3 No. 3 cans)	18 lb 12 oz	2 gal 1 ½ qt (6 No. 3 cans)	 4. Combine soup, half and half, pepper, garlic, Parmesan cheese, and chicken. Cook over medium heat for 5-10 minutes, stirring often. Critical Control Point: Heat to 165 °F or higher for at least 15 seconds.
Fat-free half and half		3 qt		1 gal 2 qt	
Ground white pepper		2 tsp		1 Tbsp 1 tsp	
Garlic powder		1 tsp		2 tsp	
Parmesan cheese, grated	1 lb 1 oz	1½ qt	2 lb 2 oz	3 qt	
Frozen, cooked diced chicken, thawed, ½" pieces	6 lb 8 oz	1 gal 1 ¼ qt	13 lb	2 gal 2 ½ qt	
					5. Combine noodles and sauce immediately before serving.
					6. Critical Control Point: Hold for hot service at 135 °F or higher.
					7. Portion with 8 fl oz spoodle (1 cup).

Standardized Recipes Include:

- Recipe Header
 - Title Chicken Alfredo with a Twist
 - Credited Food Components Meat/meat alternate and grains
 - Category Main Dish
- Ingredients
 - One ingredient per line
 - Form *dry, condensed, grated, frozen*
 - Weight and Measure gallon, pound, quart, ounces, teaspoon



Standardized Recipes Include:

- Directions
 - Step-by-step, detailed stir constantly, drain well, cook over medium heat
 - Includes Critical Control Points hold pasta at 135 degrees or higher
- Portion Size 8 fl oz spoodle (1 cup)
- Yield 50 servings: about 26 lb 8 oz
- Crediting and Nutrients per Serving 2 ¼ oz eq meat and 1¼ oz eq grains



Standardized Recipes: Customize Servings

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Customize Servings Using Factor Method

Determine the multiplying factor:

<u>Number of servings you want</u> Number of servings in recipe = Multiplying factor

Example: 85 servings of Chicken Alfredo with a Twist

85 servings 50 servings = 1.7 multiplying factor

Calculate each ingredient separately.



Customize Servings Using Factor Method

Change the original <u>weight</u> into one unit of measure.

Example: Chicken Alfredo with a Twist Frozen, cooked diced chicken, thawed, ¹/₂" pieces, 6 lb 8 oz

6 lb x 16 oz/lb = 96 oz $\frac{+ 8 \text{ oz}}{104 \text{ oz chicken in 50 servings}}$

Original amount x multiplying factor = Adjusted amount 104 oz x 1.7 = 176.8 oz (or 11 lbs) chicken in 85 servings



Customize Servings Using Factor Method

Change the original <u>volume</u> into one unit of measure.

Example: Chicken Alfredo with a Twist Low-fat, reduced-sodium cream of chicken soup, condensed: 1 gal ³⁄₄ qt

Original amount x multiplying factor = Adjusted amount 4 ³/₄ qt x 1.7 = 8.08 qt (or 2 gallons) soup in 85 servings



Weight and Volume Measures

- Common <u>volume</u> measures include:
 - Teaspoon (tsp)
 - Tablespoon (Tbsp)
 - Cup (C)
 - <u>Fluid</u> Ounce (fl oz)
 - Gallon (gal)
 - Quart (qt)
 - "x No. 3 cans"
 - Spoodles
- Common <u>weight</u> measures include:
 - Pound (lb)
 - Ounce (oz)
 - Gram (g)



Weight and Volume Measures: Resource

Perforated Spoor

Cooking or Serving Spoons

ora: way in length (11", 12", 15", 18", 21") no or servine. Secons can have election

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Recipe /	uivalents	(III)		
approx. tsp or t	 approximate teaspoon 	for Liquid	ŝ	13
	- tablespoon	60 drops 1 Tbsp	- 1 tsp - 3 tsp	- 0.5 fl az
c pt	- cup - pint	1/8 cup 1/4 cup	= 2 Tbsp = 4 Tbsp	- 1 fl cz - 2 fl cz
qt	- quart	1/3 cup 3/8 cup	= 5 Tbsp + 1 tsp = 6 Tbsp	= 2.66 fl oz
gai wt	- gallon - weight	1/2 cup	– 8 Tbsp	-4ficz
az Ib or #	- ounce - pound (e.g., 34)	5/8 cup 2/3 cup 3/4 cup	= 10 Tbsp = 10 Tbsp + 2 tsp = 12 Tbsp	
9	- gram	7/8 cup	= 14 Tbsp	= 7 fl cz
kg vol	- kilogram - volume	1 cup 1/2 pint	- 16 Tbsp - 1 cup	- 8 fl cz - 8 fl cz
mL L	– milliliter – liter	1 pint 1 quart 1 gallon	- 2 cups - 2 pt - 4 ct	= 16 fl oz = 32 fl oz = 128 fl oz
floz No.or#	- fluid ounce - number (e.g., #3)			
in.or* °F	= inches (a.g., 12') = degree Fahrenheit	16 az	t Weights	-1.000 b
°C	- degree Celsius or centigrade	12 oz 8 oz	- 3/4 b - 1/2 b	= 0.750 b
		4 az 1 az	- 1/4 b - 1/16 b	- 0.250 b

	= 0.125 = 0.250	Customary Unit (avoirdupois)	Matric Unit
	- 0.333	Ounces (oz)	Grams (g)
	= 0.375	1 02	= 28.35 g
	= 0.500	4 02	- 113.4 g
	= 0.625	8 02	- 226.8 g
	= 0.666	16 oz	- 453.6 g
	= 0.750	Pounds (Ib)	Grams (g)
	= 0.875	110	= 453.6 g
	= 0.875	2 b	- 907.2 g
	- 0.875	2 b Pounds (b) 2.2 b	- 907.2 g Kilograms (kg) - 1 kg (1000 g)
314 7/8	- 0.875	2 lb Pounds (lb)	- 907.2 g Kilograms (kg) - 1 kg (1000 g)
	- 0.875	2 b Pounds (1b) 2.2 b Metric Equiva	- 907.2 g Kilograms (kg) - 1 kg (1000 g)
	- 0.875	2 to Pounds (th) 2.2 to Metric Equiva by Volume	- 907.2 g Kilograms (kg) - 1 kg (1000 g)
	-0.875	2 b Pounds (1b) 2.2 b Metric Equiva by Volume Cestomary Unit (1) co	- 007.2 g Kilograms (kg) - 1 kg (1000 g) elents Matric Unit
	- 0.875	2 b Pounds (tb) 2.2 b Metric Equiva by Volume Customary Unit (f) co 1 cup (8 f) cc)	- 907.2 g Kilograms (kg) - 1 kg (1000 g) Alents () Metric Unit - 236.50 mL

EXED-COA Revised 2002, Reprinted 2004 COR, And and Rabins Control Records a part in The Education of Machine Annual International Control of Conference on Net Academy 1976.

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4 02	1/2 cup	4				-
6 az 8 az	SALCUP 1 CUP	6			-	
12 az	1-1/2 cups	-	-	10.0		Charles and
adies and portio	n servers (mesuring- set) an isbeied "tot"	white species if	had are	-	. 6	
territe since th	ny mesoara volume, no	t wright.				er or spoon hand
ravies, and other	ving soups, slown, co r liquid products.			appent fro	m slipping into	the part and pre-
he portion serve ed semi-splids a	ets (baild or performine) such as fruits and vege	the portioning a philos, and cand	inerts.	apporte la	to the food. The ave a flat edge	ske odge (solid or Det increase the
teamt	able Pan (Capacit	y			Othe
Pan Siz		Serving Size	Ladie (fl oz)	Sceop	Approz. A Sarvings	14
12" x 20" x 2	-10" 2 gal	1/2 cup	4 cr	8	64	
-		38 cup 1/3 cup	Ser 265-er	10	80 96	3
		1/4 cup	2 or	16	128	23
12** 22** 4	* 3.12 pl	12 cup	4 cr	8	112	~~
		38.00	3 or	10	135	1
		1/3 cup 1/4 cup	2.65-or 2 or	12	168 224	
12** 20** 6	7 Sgal	1/2 cup	4 az	8	160	1/2
121221	- Sga	38 cup	4 or 3 or	10	200	
		1/3 cup	2.65-or	12	240	
_				10		
-		1/4 cup	2 or	16	329	24
loroina	te Dimensions o	1/4 cup				
lpproximat Pan	te Dimensions o Aporos. Stav	1/4 cop		Differer	it Pan Size	
Pan Daking or	Apprez. Siza	1/4 cup f Serving S No. and/ 25	izës from Laproz. Siz sil	Differer	tt Pan Size spor Pun 100	
Pan Daking or shumbble	Approx. Size	1/4 cup f Serving S No. and/ 25 27 x 3-34*	izës from kopra: Siz s0 7 x 7	Differer s Serving	tt Pan Size sporPon 100	
Pan Daking or shumbble	Apprez. Siza	1/4 cup f Serving S No. and/ 25	izës from Laproz. Siz sil	Differer s Serving	tt Pan Size spor Pun 100	18
Pan Daking or shumbble	Approx. Size	1/4 cup f Serving S No. and/ 25 27 x 3-34*	izës from kopra: Siz s0 7 x 7	Differer s Serving	tt Pan Size sporPon 100	
Pan Daking or sharehole Sheet or bun	Appros. Size 12" x 20" x 2-10" 12" x 20" x 1"	1/4 cop f Serving S No. and 25 27 = 5 - 5 - 4 3 - 1/47 = 57	izës from kopra: Siz s0 7 x 7	Differer s Serving	tt Pan Size sporPon 100	18
Pan Daking or sharehole Sheet or bun	Approx. Size	1/4 cop f Serving S No. and 25 27 = 5 - 5 - 4 3 - 1/47 = 57	izës from kopra: Siz s0 7 x 7	Differer s Serving	tt Pan Size sporPon 100	
Pan Baking or share table Sheet or bun	Appros. Size 12" x 20" x 2-10" 12" x 20" x 1"	1/4 cop f Serving S No. and 25 27 = 5 - 5 - 4 3 - 1/47 = 57	izis from korna. Sa sa zr x r 3 1 Ar x 3	Differer s Serving	tt Pan Size	18
Pan Baking or share table Sheet or bun	Approx. Size 12" = 20" = 2-1.0" 12" = 20" = 1" grants for Port	1/4 cop f Serving S No. and 25 27 = 5 - 5 - 4 3 - 1/47 = 57	izis from korna. Sa sa zr x r 3 1 Ar x 3	Differen 19 Serving 19 27 14	tt Pan Size	
Pan Baking or share table Sheet or bun	Approx. Size 12" = 20" = 2-1.0" 12" = 20" = 1" grants for Port	1/4 cop f Serving S No. and 28 27 = 5 - 5 - 47 3 - 1/47 = 57	izis from korna. Sa sa zr x r 3 1 Ar x 3	Differen 19 Serving 19 27 14	tt Pan Size	
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Pan Baking or share table Street or turn For 35 as For 25 as	Approx. Size (2" = 20" = 2-4.0" (2" = 20" = 1" (2" = 20" = 1" (2" = 20" = 1" (2" = 20" = 1") (2" = 20" = 1") (2" = 20" = 2-4.0" (2" =	14 cop f Serving S No. and/ 28 7*3334* 344*23* 00ning	IZES from topma. Str 30 27 x 7 3 1/47 x 3 For 100 m	Differen 19 Serving 19 27 14	tt Pan Size	15 14 16 19 19

Scoops (Dishers)

1/2 cup 3/8 cup 1/3 cup 1/4 cup 3-1/3 Tbs 2.2/3 Tbs

2 Tbsp 1-2/3 Tbsp 3-34 to 3-14 bp 2-34 ta 2 bp right band or so a on the access

http://www.nfsmi.org/documentlibr aryfiles/pdf/20081006054447.pdf



Weight and Volume Measures

- Frequent source of confusion in school nutrition:
 - Fluid ounces (fl oz) measure volume (ex: 4 fl oz = $\frac{1}{2}$ cup).
 - Ounces (oz) measure *weight* (ex: 4 oz = ¼ lb).
- Manufacturers package foods by weight, <u>not</u> volume.
 - Menu planners must pay attention to pre-packaged fruits and vegetables for crediting.
 - Example: 4 oz prepackaged applesauce ≠ ½ cup (4 fl oz) of applesauce.
 - See PDE's "Crediting of Fruits and Vegetables Memo" on PEARS Download Forms→PDE-SNP-703 (<u>https://www.pears.ed.state.pa.us/snp/</u>)



Child Nutrition (CN) Labels

- Voluntary federal labeling program that clearly identifies contribution toward meal pattern requirements.
- Products with CN label include main dish products that contribute to meat/meat alternate component of meal pattern.
- CN labels provide contributions for all components in product.
- "Gold standard" for verifying crediting of menu items.



Child Nutrition (CN) Labels

- CN logo with distinct border
- Meal pattern contribution statement
- Six-digit product identification number
- USDA Food and Nutrition Service (FNS) authorized statement with month and year of FNS approval

	Precooked Chicken Patties
	Ingredient Statement: Chicken, water, spices.
N	CN 093261 Each 2.3 oz. fally cocked chicken patty provides 2.0 oz. equivalent meat for Child Nutrition Meal Pattern Requirements. (Use of this
1	logo and statement authorized by the Food and Nutrition Service, USDA 05/02).
le le	



Child Nutrition (CN) Labels

- Valid and acceptable documentation for CN label includes:
 - Original CN label from product carton
 - Photocopy of CN label shown attached to original product carton
 - Photograph of CN label shown attached to original product carton
 - Watermarked CN label (electronic or hard copy from vendor) with bill of lading (invoice) containing product name



Product Formulation Statement (PFS)

- Used to verify crediting when acceptable CN label is not available for product.
- Program operators may request a signed Product Formulation Statement (PFS) on manufacturer's letterhead that shows how processed product contributes to meal pattern requirements.
- Review PFS prior to purchasing processed product.



Product Formulation Statement (PFS)

- USDA reviewer's checklist for meat/meat alternates: <u>http://www.fns.usda.gov/sites/default/files/reviewer_checklist.</u> <u>pdf</u>
- Verify the creditable oz eq of meat/meat alternate is not greater than the total weight of the edible portion of the product.
- Links for PFS templates and samples: <u>http://www.fns.usda.gov/cnlabeling/food-</u> <u>manufacturersindustry</u>
- PDE-SNP-140 on PEARS: Updated PDE/USDA guidance on CN Label and PFS documentation (<u>https://www.pears.ed.state.pa.us/snp/</u>)

Nutrition Facts and Ingredients Labels

- Maintain for all commercially-prepared items.
- Necessary for nutrient analysis of menus.
- Required to validate whole grain-rich requirements.

Nutrition	Amount/Serving	%DV*	Amount/Serving %DV*	Amount/Serving %DV*	
Facts	Total Fat 0.5g	1%	Sodium 125mg 5%	Sugars 10g	
Serving Size 1 Container (35g)	Sat. Fat Og	0%	Potassium 230mg 7%	Protein 3g	
Calories 110	Trans Fat Og		Total Carb. 27g 9%		
Calories from Fat 5	Cholest. Omg	0%	Dietary Fiber 4g 17%		
* Percent Daily Values (DV) are based on a 2,000 calorie diet.	Vitamin D 6%	 Folio 	min 15% • Riboflavin Acid 15% • Vitamin B ₁₂	0% • Iron 15% 15% • Niacin 15% 15% • Phosphorus 10%	
INGREDIENTS: WHOLE GRAIN WHEAT, RAISINS, WHEAT BRAN, SUGAR, BROWN SUGAR SYRUP, CONTAINS 2% OR LESS OF SALT, MALT FLAVOR. VITAMINS AND MINERALS: POTASSIUM CHLORIDE, NIACINAMIDE, REDUCED IRON, VITAMIN B6 (PYRIDOXINE HYDROCHLORIDE), ZINC OXIDE, VITAMIN B2 (RIBOFLAVIN), VITAMIN B1 (THIAMIN HYDROCHLORIDE), VITAMIN A PALMITATE, FOLIC ACID, VITAMIN D, VITAMIN B12. CONTAINS WHEAT INGREDIENTS.					



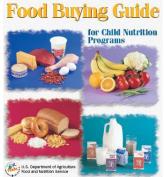
Menu Planning Steps for Success

- Plan menus well in advance.
- Use a variety of reliable menu resources.
- Analyze menus for compliance before serving to students.
- Decide if you want to offer choices and how many.
- Balance higher calorie foods with lower calorie foods.
- Use production records to fine-tune planned meals and reanalyze when planned and actual meals are very different.
- Consider visual appeal and color.



Use Reliable Crediting and Menu Resources

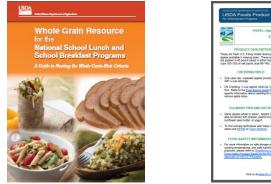
- Meal Pattern Chart: PDE721 on PEARS, Download Forms <u>https://www.pears.ed.state.pa.us/snp/</u>
- USDA Q & A memo SP10-2010 (v9): <u>http://www.fns.usda.gov/sites/default/files/cn/SP10-</u> 2012v9os2.pdf
- Food Buying Guide for School Meal Programs: <u>http://www.fns.usda.gov/tn/food-buying-guide-school-meal-programs</u>





Use Reliable Crediting and Menu Resources

- Offer vs. Serve Manual: <u>http://www.fns.usda.gov/sites/default/files/cn/SP41_2015a.pdf</u>
- USDA Food Fact Sheets: <u>http://www.fns.usda.gov/fdd/nslp-usda-foods-fact-sheets</u>
- Whole Grain Resource: <u>http://www.fns.usda.gov/sites/default/files/WholeGrainResour</u> <u>ce.pdf</u>







Use Reliable Crediting and Menu Resources

- USDA Recipes for Schools: <u>http://www.nfsmi.org/Templates/TemplateDefault.aspx?qs=cEl</u> <u>EPTEwMiZpc01ncj10cnVI</u>
- USDA Recipes for Healthy Kids Cookbook for Schools: <u>http://www.whatscooking.fns.usda.gov/sites/default/files/featu</u> <u>redlinks/cookbookforschools.pdf</u>





Jenny Edmondson jeedmondso@pa.gov

Kathleen Hiltwine khiltwine@pa.gov



For more information on the school nutrition programs please visit PDE's website at <u>www.education.pa.gov</u>

The mission of the department is to academically prepare children and adults to succeed as productive citizens. The department seeks to ensure that the technical support, resources and opportunities are in place for all students, whether children or adults, to receive a high quality education.

