

**The Reality of School Meal Costs** 

Beth K. Thorson
Assistant Director for
Program Improvement,
Nutrition and Education

# In SY 2012-13, major changes were made to school meal programs

- Food and nutrient content of meals
- Types of foods students had to select to qualify for reimbursement
- Pricing for paid meals
- Competitive foods



# Purpose

To review USDA's research - via a nationally representative study - to quantify the concerns





# Agenda

- Results of "challenges" survey
- Meal cost analysis
- Meal revenue analysis
- Nutrition relative to cost
- Impact on participation and plate waste



# Challenges

#### **Results of CND Survey**

"The greatest challenge SFAs faced in implementing or maintaining compliance with the updated nutrition standards was the cost of foods."





# **Additional Challenges from Survey**

> Availability of appropriate foods

- Staff training
- Need for additional labor



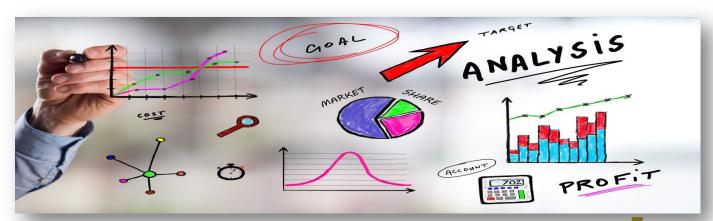
### **School Nutrition and Meal Cost Study**

- Link between nutritional quality of meals and cost of producing those meals
- Link between nutritional quality of meals and student participation
- Students' acceptance of meals using food/plate waste data



# **Analysis of Meal Cost**

The analysis of meal costs used reported costs which included only the costs charged to the school foodservice account.







Meal costs include food, pay and fringe benefits, supplies, equipment and overhead.



# School Meal Cost Percentages

- Food costs accounted for ~ 45% of reported costs
- Labor costs accounted for ~ 45% of reported costs



# School Meal Costs Relative to Federal Subsidies

➤ In SY15, average lunch costs per SFA (\$3.81) exceeded federal subsidies for free meals (\$3.32)

➤ In SY15, average breakfast costs per SFA (\$2.72) exceeded federal subsidies for free breakfasts (\$1.88)



## **School Meal Revenue Percentages**

- USDA subsidies, including reimbursements (57%) and USDA Foods (6%) represented 63% of CN program revenues
- ➤ Student meal payments represented ~ 20%
- A la carte and other nonreimbursable sales accounted for ~11%
- > State and local government funds accounted for ~ 6%



# School Meal Revenue Related to Costs

- On average, across all SFAs, total revenues covered an average of 97% of reported costs, indicating that the average SFA operated at a small deficit
- Revenues from a la carte, adult meals and other nonreimbursable meals partially offset the gap



# Bottom Line-Costs and Revenues Increased

- ➤ Statistically significant difference in the real (inflation-adjusted) reported costs in SY2014-15 (\$3.81) relative to SY2005-06 (\$3.03) and SY1992-93 (\$2.93)
- > Total foodservice revenues (with a higher percentage from USDA subsidies) kept pace with the trend in costs.



➤ The Healthy Eating Index (HEI) was used to measure nutritional value



- Between SY2009-2010 and 2014-2015, HEI for lunches increased 41% (from 57.9 to 81.5)
- Between SY2009-2010 and 2014-2015, HEI for breakfasts increased 44% (from 49.6 to 71.3)
- ➤ The average HEI score for US diets overall in 2012 was 59.0 and for children was 55.1



Lunches consumed by NSLP participants achieved a higher mean total score on HEI than matched nonparticipants (80.1 vs 65.1 out of 100 score)





**Lunches consumed by NSLP participants had:** 



- Higher concentrations of vegetables, whole grains and dairy
- Lower concentrations of refined grains and empty calories



# Bottom Line-Costs Relative to Nutrition

Mean reported costs per NSLP lunch were not significantly higher in schools that prepared more nutritious meals than in schools that produced the least-nutritious meals.





# **Participation**

- An average of 56% of students participated in the NSLP on a typical school day
- Students who received meals free or at a reduced price was more than double the rate for students who participated at the paid rate
- In both groups, NSLP participation was highest among elementary school students and lowest among high school students



# **Bottom Line - Participation**



There was a positive and statistically significant association between students' participation in the NSLP and the nutritional quality of NSLP lunches.



### **Plate Waste**

#### Plate waste in lunches (highest to lowest):

- 1. Vegetables
- 2. Milk
- 3. Fruits
- 4. Fruit Juices
- 5. Side Grains/Bread

- 6. Desserts and Other Menu Items
- 7. Meats/Meat Alternatives



#### **Plate Waste**

- For each type of food, waste was higher in elementary schools than in middle or high schools
- Possibly due to offer-vs-serve (mandated for middle and high schools, optional for elementary schools)
- Significant association between timing of lunch periods and waste





#### **Bottom Line- Plate Waste**

- Generally comparable to plate waste prior to implementation of the updated nutrition standards
- Smaller, localized studies (before and after) found that levels of plate waste were reduced or unchanged



# **The Good News Summary**

- School districts' concerns were heard and researched
- Results allayed many of those concerns:
  - Food and labor costs
  - Student acceptance
  - Availability of nutritious foods







#### Beth K. Thorson

Beth.thorson@texasagriculture.gov

512-463-7694



# Non-Discrimination Statement

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, sex, disability, age, or reprisal or retaliation for prior civil rights activity in any program or activity conducted or funded by USDA.

Persons with disabilities who require alternative means of communication for program information (e.g. Braille, large print, audiotape, American Sign Language, etc.), should contact the Agency (State or local) where they applied for benefits. Individuals who are deaf, hard of hearing or have speech disabilities may contact USDA through the Federal Relay Service at (800) 877-8339.

Additionally, program information may be made available in languages other than English.

To file a program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, (AD-3027) found online at: <a href="http://www.ascr.usda.gov/complaint-filing-cust.html">http://www.ascr.usda.gov/complaint-filing-cust.html</a>, and at any USDA office, or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by:

#### mail:

U.S. Department of Agriculture Office of the Assistant Secretary for Civil Rights 1400 Independence Avenue, SW Washington, D.C. 20250-9410;

fax: (202) 690-7442; or email: program.intake@usda.gov.

This institution is an equal opportunity provider.

### TEXAS DEPARTMENT OF AGRICULTURE COMMISSIONER SID MILLER

