The Thermy Campaign: Increasing Food Thermometer Use Among Refugees and New Americans



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Rationale

Foodborne illness continues to make headlines. An estimated 76 million Americans are sickened, 325,000 are hospitalized and 5,000 die each year due to 3 more E. coli cases reported in N.1 contaminated food.

Casserole's undercooked ground beef blamed for E. coli outbreak at school

may have been served in school lunches elsewhere in the state.

outbreak was caused by a casserole of ground beef, pasta and tomato sauce served at the Risen Christ Catholic School in Minneapolis.

Infection by the E. coli 0157:H7 said. strain was confirmed in six students, said Kirk Smith, a depart-12 other students who had E. coli symptoms - severe or bloody diarrhea and abdominal cramps was not complete he said

es of food-borne illnesses in the clined to name it. United States, according to the

Ground beef used in an under- Prevention. The bacteria live in Carol Blake, a spokeswoman for cooked casserole was blamed for the intestines of healthy cattle. the U.S. Food and Safety Inspecmaking 18 schoolchildren sick in Meat can be contaminated during tion Service, so it's possible that an E. coli outbreak last month, the slaughtering process, and E. meat containing E. coli may have and meat from the same batch coli can be mixed into the beef been shipped to other Minnesota when it is ground.

officials said Tuesday it appears the Smith and other state health offi-schools. cials were confident that it was the culprit.

"There's no question in my mind that it was the beef," Smith

Smith and federal officials said ness kills any E. coli. that the beef, which was purment epidemiologist. Testing on chased through the U.S. Departlunch program, came from sever- plants, they may decide to take al plants and was processed in De-cember. One of them is in Min-of other students getting infected. E. coli is one of the leading caus- neapolis; federal officials de-

The plants supply other schools at that stage yet," she said

Centers for Disease Control and in Minnesota and elsewhere, said

unches elsewhere in the state. Although testing of the suspect Smith said there are no indica.

Minnesota Department of Health ed beef hasn't been finished, tions of outbreaks at other

Although parents should be alert for symptoms of E. coli, Smith said they shouldn't be alarmed. Cooking ground beef until it is well done with no pink-

Blake said investigators were working with the plants. If they ment of Agriculture's school find widespread problems at the

"It's possible that we may issue a recall of the meat, but we're not

restaurant over E coli

Bismarck, N.D. (AP)
A Dickinson woman who was sickened on her wedding day by E. coli is suing the restaurant that

Introduction

According to the Food Safety and Inspection Service and the Food and Drug Administration, only 6 percent of home cooks use a food thermometer for hamburgers and 10 percent use one for chicken breasts



Résearch at Kansas State University shows the brown color of cooked ground beef does not ensure safety or an endpoint temperature of 160 F.



Where: Fargo-Moorhead

- 150,000 people populate these two cities
- Increasing number of refugees moving to Fargo-Moorhead
- Fargo-Moorhead is one of the largest refugee resettlement communities per capita in the country
- In 2003, over 11,000 refugees lived in Fargo-Moorhead
- The five largest groups resettling to North Dakota are:
 - Bosnian
 - Sudanese
 - Somali
 - Albanian
 - Kurdish



Target Audience

New Americans living in Cass County, ND from:

- Bosnia
- The Sudan
- Somalia
- Vietnam



Goal

To improve food handling practices among refugee families in North Dakota.







Objectives

- Increase knowledge of food safety through educational sessions
- Increase food safety skills by providing hands-on training
- Increase use of food thermometers by providing the equipment along with training

Methods

- Lesson plans, handouts and evaluation surveys were provided to Nutrition Education Assistants in the Family Nutrition Program in Cass County.
- Nutrition Education Assistants reached audiences through small hands-on classes
 - Two classes were given to each group

- After the first class students were given a post-survey
 - All received a food thermometer, magnet, "wash your hands" mirror cling and food safety handout





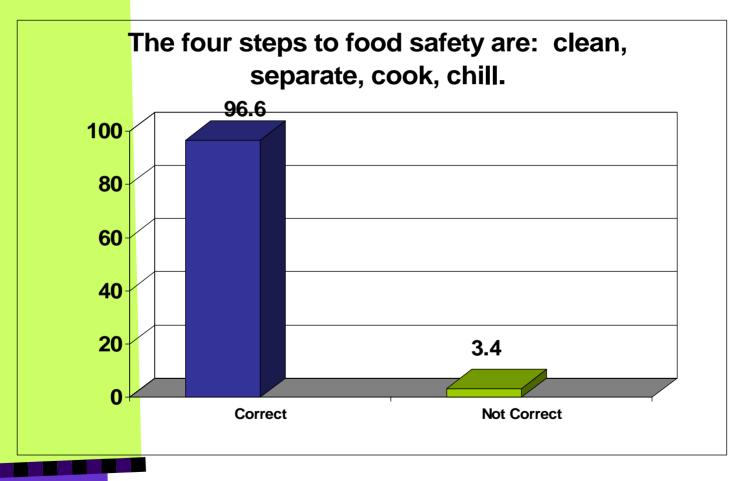
- A follow-up lesson was provided at least one month later where they discussed safe storage temperatures
- After the follow-up survey they received a refrigerator/freezer thermometer

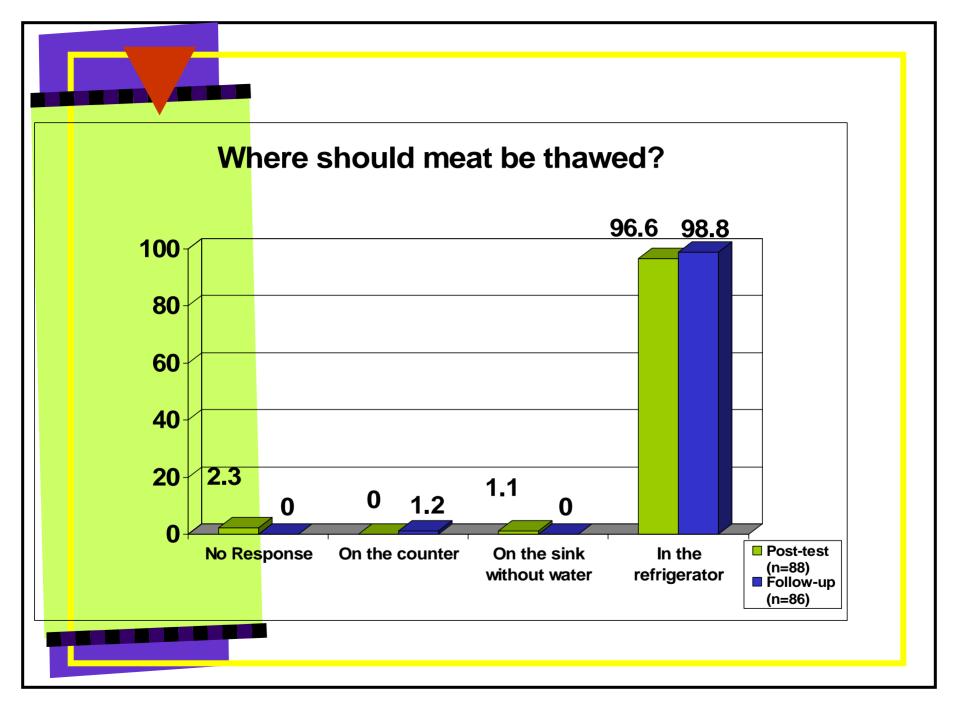


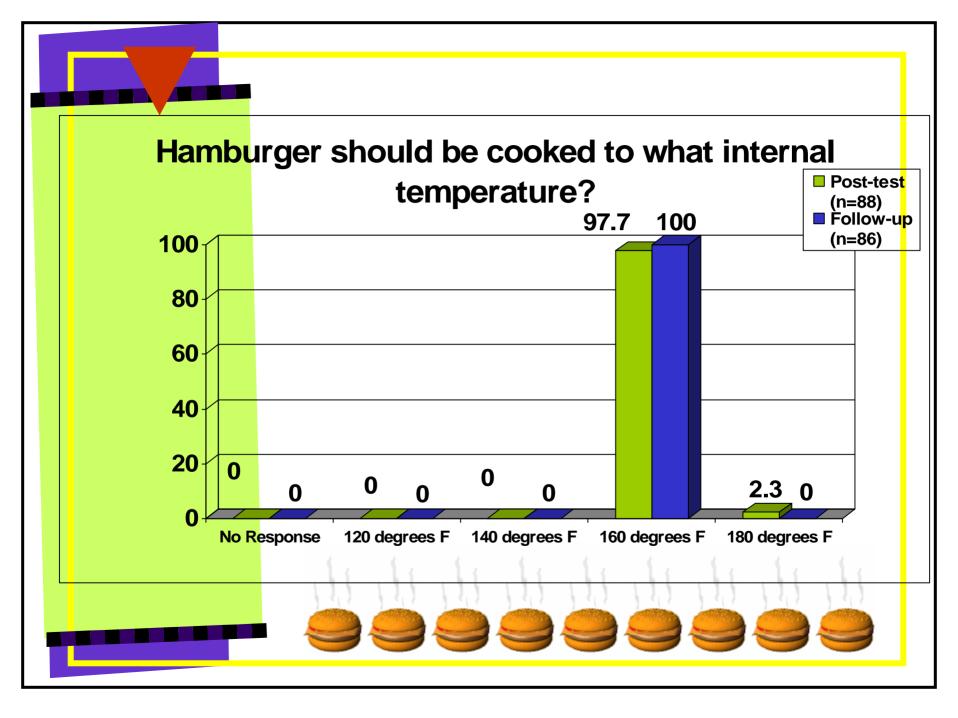
Collaborative Arrangements

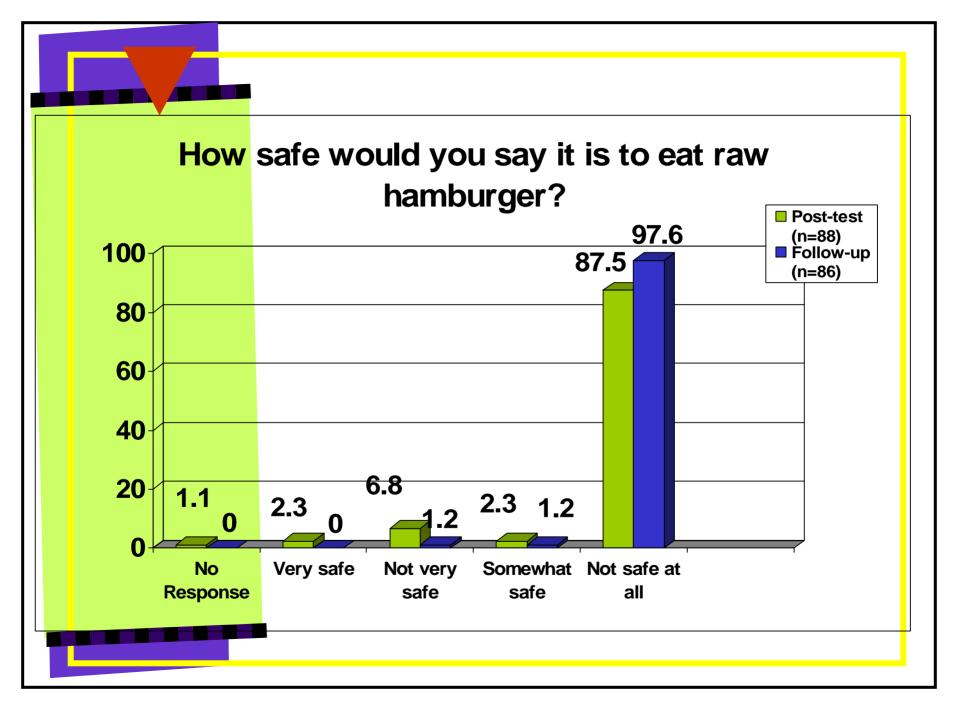
- ND Job Service
 - Provides vocational training for limited resource audiences
- Center for New Americans
- Charism Center
 - Serves a 52-square block, in a multi-cultural, low-income neighborhood
 - Represents ethnic groups including: Bosnian, Mexican, Somalian, Puerto Rican, Kurdish and Sudanese

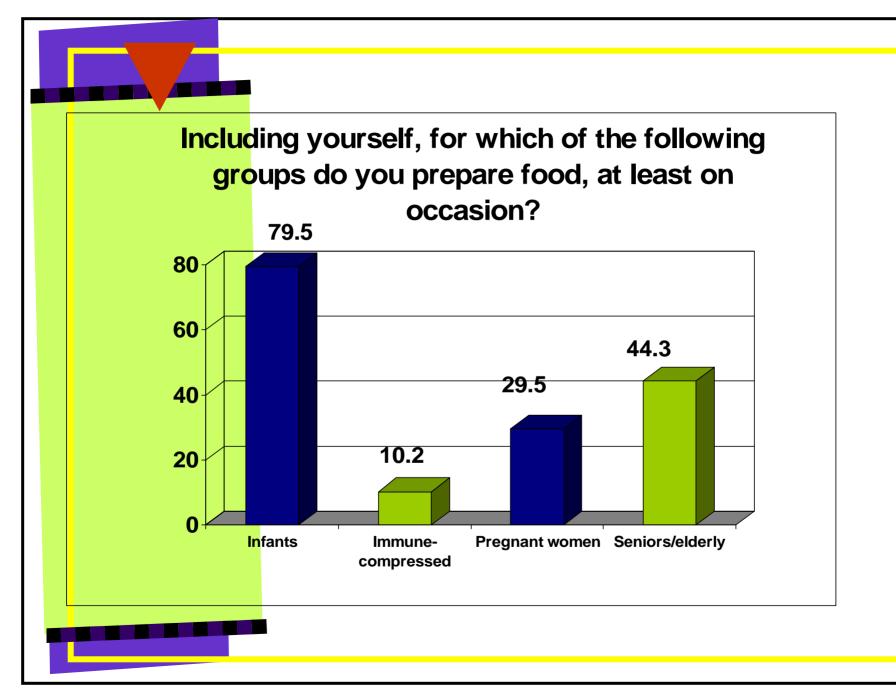
Results - Post-testing

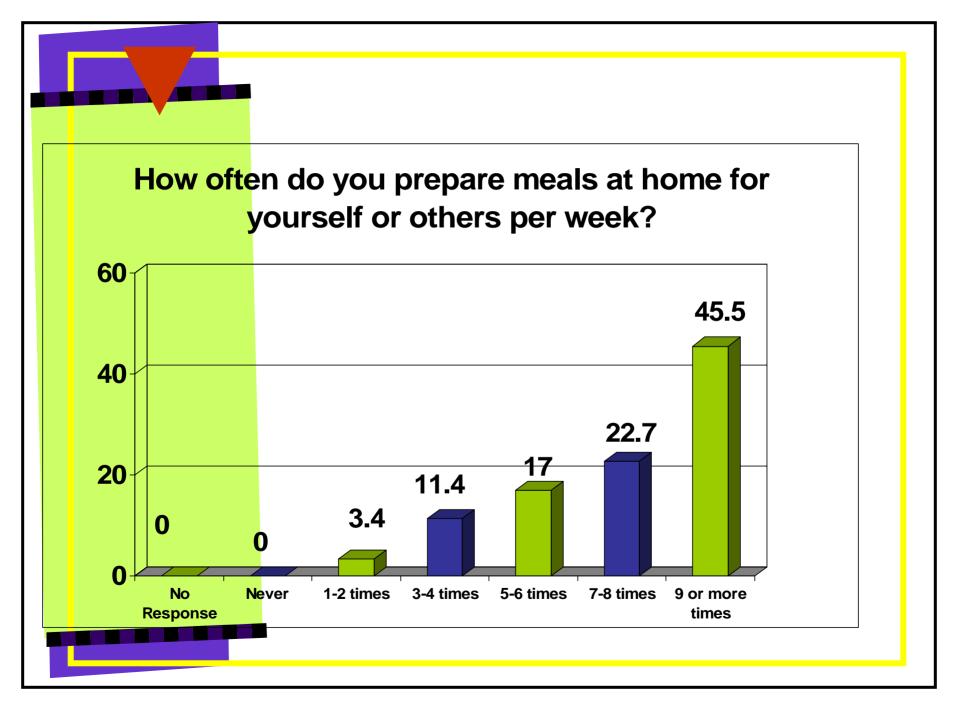


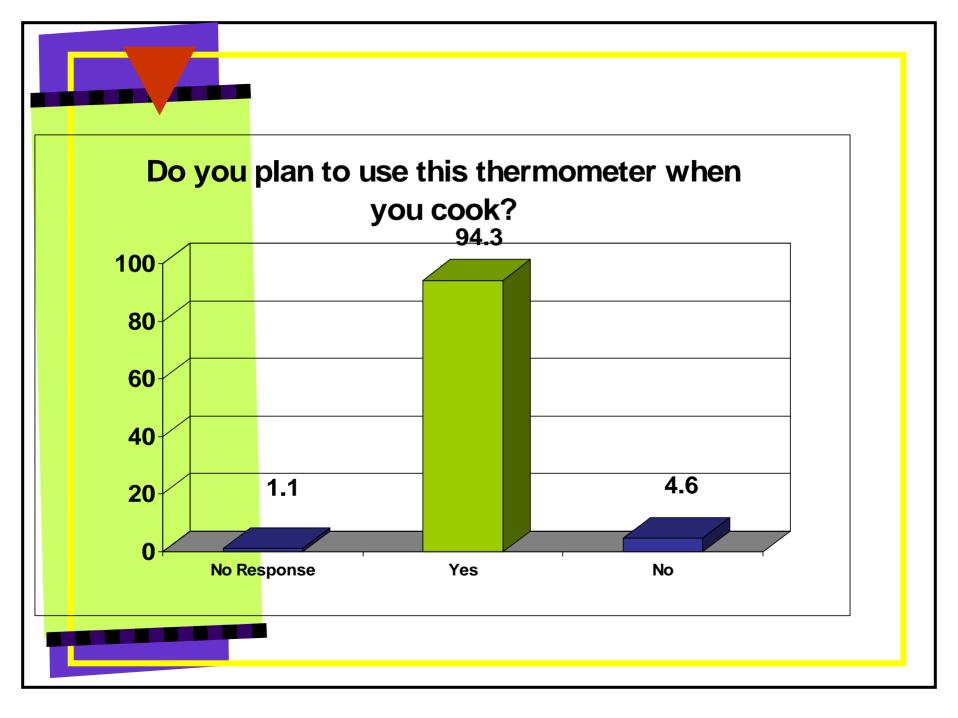


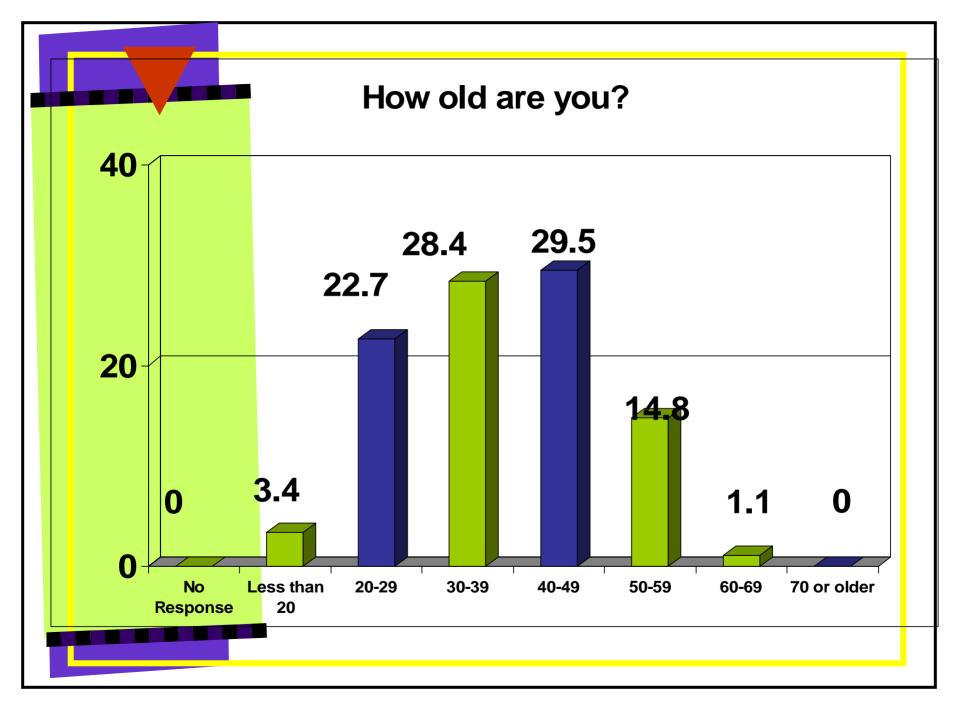


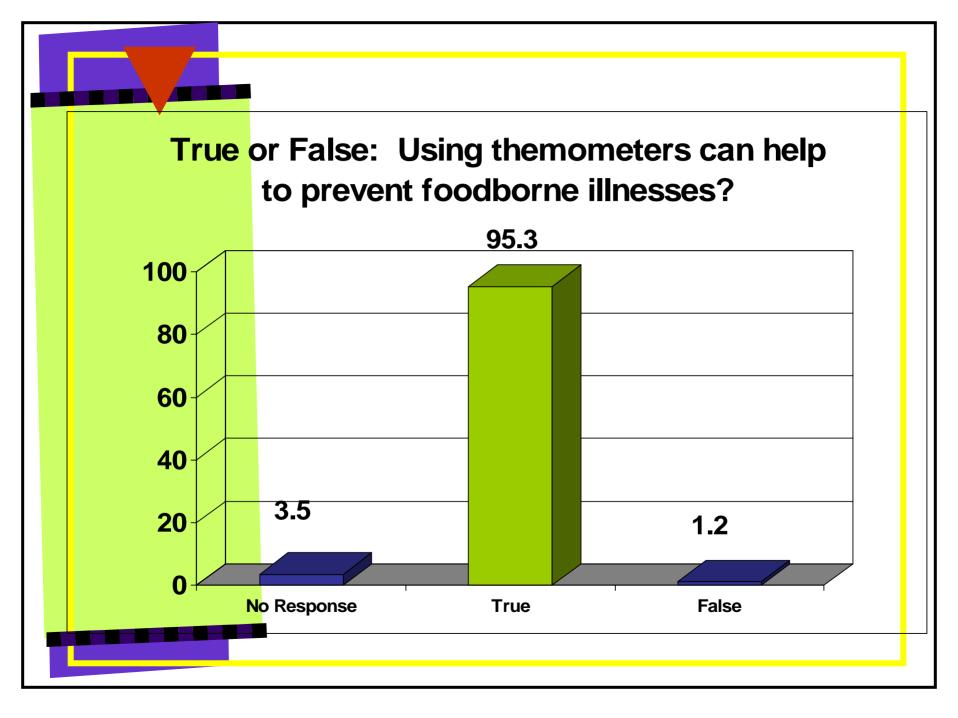




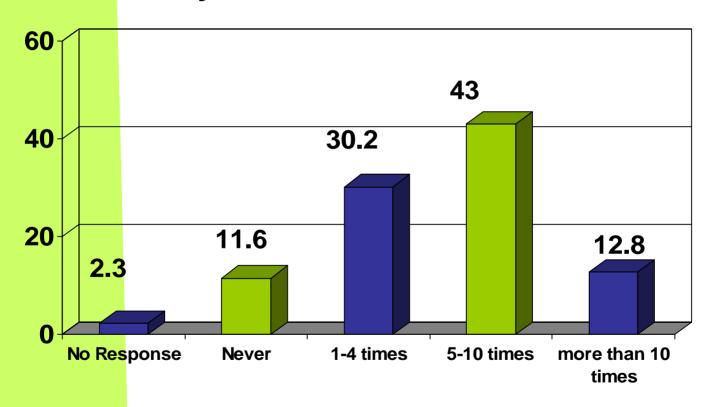


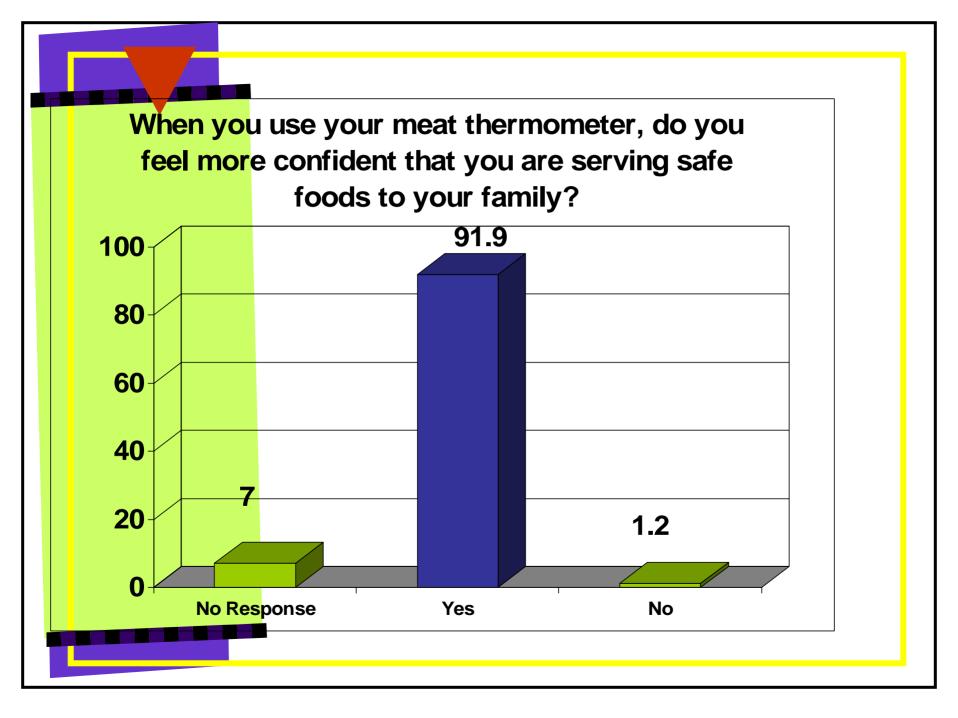


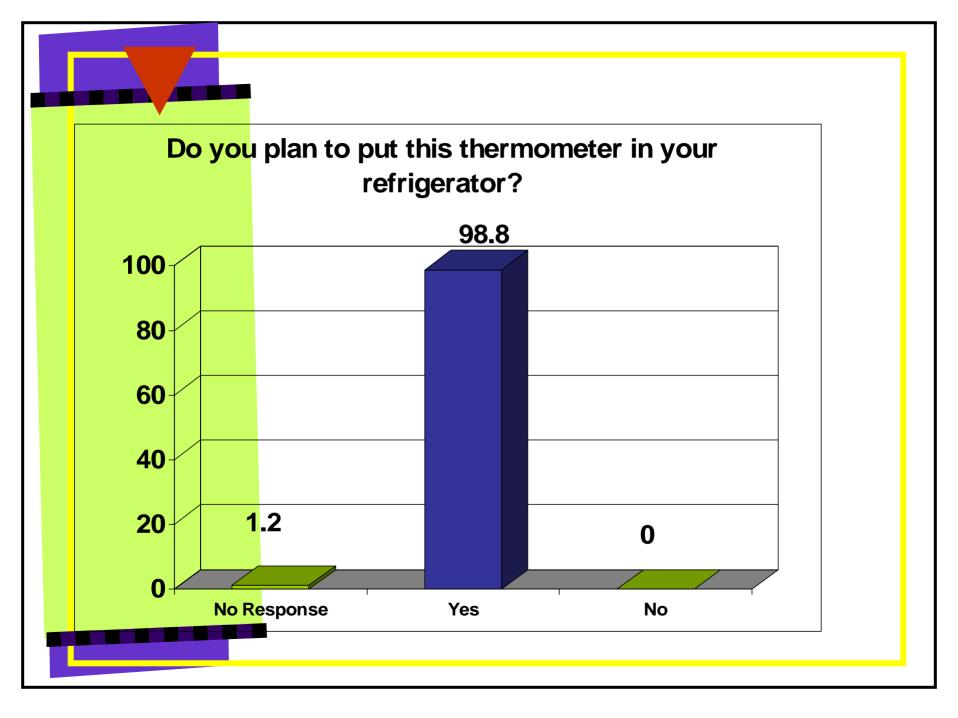




How many times in the past month have you used your meat thermometer?







Conclusion

As a result of this educational campaign

- Participants gained knowledge
- Participants made behavior changes
- The pilot project led to a large-scale project



Acknowledgements

 Funding from the Food and Drug Administration – Minneapolis District

 PowerPoint designed by Tera Sandvik, Project Coordinator

References

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- Centers for Disease Control and Prevention: http:www.cdc.gov
- American Dietetic Association: <u>http://www.eatright.com</u>
- Food and Drug Administration: http://www.fda.gov
- Fight BAC USDA website: http://www.fightbac.gov
- Food Safety and Inspection Service: <u>http://www</u>.fsis.usda.gov/