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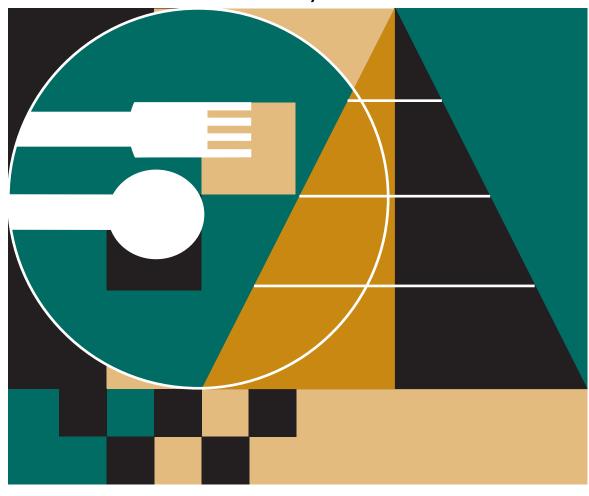
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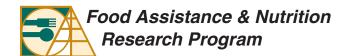


Food Assistance and Nutrition Research Program

Final Report Fiscal 2005 Activities

Economic Research for a Healthy, Well-Nourished America





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food nutrition assistance

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Chapter 1. The Food Assistance and Nutrition Research Program

Since 1998, Congress has provided funds to USDA's Economic Research Service (ERS) to study and evaluate the Nation's domestic food and nutrition assistance programs, including the Food Stamp Program, the child nutrition programs, and the Special Supplemental Nutrition Program for Woman, Infants, and Children (WIC). ERS established the Food Assistance and Nutrition Research Program (FANRP) to carry out this activity.

Since its establishment, FANRP has become the premier source of food and nutrition assistance research in the United States. FANRP has supported research on a wide range of food and nutrition assistance topics, resulting in over 500 publications. FANRP has also enhanced national surveys by adding a food assistance dimension and broadened the participation of social science and nutrition science scholars in food assistance and nutrition policy issues.

This report provides a summary of FANRP: Chapter 1 provides a general overview of the program, including its goals and principles; chapter 2 focuses on the FANRP activities of fiscal 2005 (October 1, 2004-September 30, 2005); chapter 3 presents a list of all FANRP-sponsored publications released in fiscal 2005; and chapter 4 lists all FANRP-sponsored publications released in previous fiscal years.

Program at a Glance

FANRP's research on the food and nutrition assistance programs is designed to meet the critical needs of USDA, Congress, program managers, program participants, the research community, and the public at large. The three perennial program themes of FANRP are as follows:

- *Diet and Nutritional Outcomes*—Studies how the programs enhance access to and choices of palatable, nutritious, and healthy diets.
- Food Program Targeting and Delivery—Gauges the success of programs aimed at needy, at-risk

population groups and examines program gaps and overlaps; differences between rural and urban delivery; outreach; waste, fraud, and abuse; commodity procurement and distribution; public and private partnerships; and alternative ways to deliver benefits.

Program Dynamics and Administration—Focuses
on how program needs change with local labor market conditions, economic growth, recession, and
inflation in food prices and the general economy
and how changing State welfare programs interact
with food and nutrition programs.

Within these general themes, priority areas of research are selected annually. In developing the research priorities, FANRP works closely with USDA's Food and Nutrition Service (FNS), the agency responsible for administering the Department's food assistance and nutrition programs. FANRP also seeks input from a broad constituency of policy officials, researchers, practitioners, advocates, industry groups, and service providers.

In conjunction with these activities, FANRP sponsors an annual roundtable discussion, open to the public, to identify crucial research and information needs that would support food assistance and nutrition programs and to ensure the policy- and program-relevance of the annual research agenda.¹

Intramural and Extramural Components

FANRP integrates an intramural and extramural research program. The intramural program, conducted internally by ERS staff, continues ERS's long, distinguished history of conducting rigorous, objective, and policy-relevant research. The intramural program uses ERS's

¹The 2005 roundtable discussion "Food Assistance Research Conference: Recent Findings and Emerging Issues," was held on February 16-17, 2005, at ERS in Washington DC. The conference agenda can be found at http://www.ers.usda.gov/Briefing/FoodNutritionAssistance/ ConferenceMaterials/conference2005.htm.

large research capacity, including the agency's internal research capital and specialized knowledge base.

At the same time, FANRP funds extramural research, often conducted jointly with ERS staff, that draws upon the multidisciplinary expertise of outside researchers and the resources of such institutions as the National Academy of Science, National Science Foundation, Urban Institute, RAND, and numerous universities across the country.² FANRP funds extramural projects through competitive contracts and through a tightly run peer review process for awarding competitive grants and cooperative agreements. Peer reviewers include experts from academia, government, and the private sector.

FANRP also sponsors a Small Grants Program to stimulate new and innovative research on food assistance and nutrition issues and to broaden the participation of social science scholars in these issues.³ Findings resulting from both intramural and extramural research are widely disseminated in accordance with FANRP principles.

Research Mission and Goal

Food assistance and nutrition programs receive substantial Federal funding and affect the daily lives of millions of Americans. In fiscal 2004, monthly participation in the Food Stamp Program averaged 23.9 million

Americans, at an annual cost of about \$27.1 billion. On a typical school day, some 8.9 million children participated in the School Breakfast Program and 29.0 million children participated in the National School Lunch Program, which together cost \$9.4 billion. On average, WIC served 7.9 million women, infants, and children each month, at an annual cost of \$4.9 billion. One in five Americans participates in at least one of USDA's food and nutrition assistance programs during the year. Expenditures for all of USDA's food and nutrition assistance programs totaled \$46.1 billion in fiscal 2004.

Given the significance of the food and nutrition assistance programs, it is important that FANRP provides objective, scientifically rigorous studies and evaluations. "Economic Research for a Healthy, Well-Nourished America" is our research mission. Our

goal is a high-quality, multidisciplinary program that focuses on today's problems while addressing tomorrow's issues.

Program Principles

The program principles behind FANRP ensure the reliability and usefulness of the research.

- Research that meets the needs of all stakeholders program participants, USDA, Congress, and the public.
- Integrated, comprehensive program that conducts research in the broader context of the current and future economic and social environments.
- Broad array of public and private entities directly involved in the research, evaluation, and review efforts.
- Integration of ERS staff expertise in the development, implementation, and accomplishment of research projects.
- Scientifically rigorous studies and evaluations with verifiable and unbiased results.
- Rigorous internal and external review of research results.
- Public availability of data.
- Wide distribution of research findings.
- Development and maintenance of continuous data sets.

FANRP Key Accomplishments

Since FANRP's beginning in 1998, FANRP research activities have covered a wide range. This section describes some of FANRP's key accomplishments, in the areas of food assistance and nutrition research, data development, expanding the research base, and research dissemination.

Food Assistance and Nutrition Research

FANRP has developed a multifaceted research plan to address the needs of diverse groups of stakeholders that has resulted in an extensive portfolio of successful research projects. These projects have expanded understanding on a wide range of food and nutrition assistance issues, including diet and nutritional outcomes, food

²See appendix A for a list of all institutions, universities, and government agencies that have been awarded FANRP projects since its establishment in 1998.

³FANRP sponsors an annual "Food and Nutrition Research Small Grants Program Conference," in which grant recipients present the results of their work on food assistance programs, food security, and nutrition. A copy of the agenda for the 2005 conference, held on October 27-28, 2005, at ERS in Washington, DC, can be found at http://www.ers.usda.gov/Briefing/FoodNutritionAssistance/ConferenceMaterials/smallgrants2005.htm.

program targeting and delivery, program dynamics and administration, and program interactions.

Diet and Nutritional Outcomes

USDA's food and nutrition assistance programs share the main goal of ensuring the health of vulnerable Americans by providing access to a nutritionally adequate diet. In fiscal 2005, FANRP released a landmark report that provides the most systematic and comprehensive assessment to date of published research on the impact of the food and nutrition assistance programs on participants' nutrition and health (Fox, et al., October 2004). The research team reviewed and synthesized research from over 300 publications that examined the impact of program participation on a number of outcomes. The outcomes included household nutrient availability, dietary intake, medical biomarkers of nutrition status, food expenditures, food security, birth outcomes, breastfeeding behaviors, immunization rates, use and cost of health care services, and selected nonhealth outcomes, such as academic achievement and school performance (children) and social isolation (elderly).

FANRP plays an important role in advancing understanding of the economic factors and behaviors that affect obesity—a national epidemic that disproportionately affects the poor. One FANRP report provided a summary of papers from an ERS workshop that looked at the leading health economics research on the causes and consequences of obesity (Philipson, et al., 2004).

Another much-publicized FANRP-funded study quantified the effect of maternal obesity on preschooler obesity (Whitaker, 2004). The study found that maternal obesity in early pregnancy more than doubles a child's risk of obesity at ages 2-4. As a result of this study, a new nutrition risk criterion—"at risk of becoming overweight"—was added to the allowable criteria used to establish WIC program eligibility. The new criterion makes low-income children with obese parents at risk of becoming overweight and, therefore, eligible for WIC.

FANRP also plays a major role in Federal research on food security and hunger in the United States. To inform policymakers and the public about the extent to which U.S. households consistently have economic access to enough food, FANRP publishes an annual statistical report on household food security in the United States (Nord et al., 2004). The report and its underlying data are widely used by government agencies, the media, and advocacy groups to monitor the

extent of food insecurity in the U.S., progress toward national objectives, and performance of USDA's food assistance programs.

Program Targeting and Delivery

Food Stamp Program caseload declined dramatically in the late 1990s, a period characterized by an unusually strong economy and major changes in the public assistance landscape following the welfare reform legislation of 1996. The decline led policymakers and analysts to focus on the broad question of what factors influence Food Stamp Program participation, including the role of local food stamp office policies and practices in encouraging or deterring households' participation decisions. FANRP recently sponsored a national study of Food Stamp Program accessibility at the local office level. The study collected information on the policies and practices in 109 local food stamp offices, the characteristics of participant and nonparticipant households in surrounding areas, and the reasons that some eligible households do not participate in the Food Stamp Program (Bartlett et al., 2004; Bartlett and Burstein, 2004; and Gabor at al., 2003).

In 2005, FANRP evaluated USDA's Elderly Nutrition Demonstrations—six projects aimed at testing ways to increase Food Stamp Program participation among eligible elderly individuals (Cody and Ohls, 2005). Historically, low-income elderly participate in the Food Stamp Program at relatively low rates. Without adequate food assistance, the nutritional needs of the low-income elderly may go unmet. This study evaluated each demonstration's ability to increase participation among eligible elderly individuals.

To focus benefits from the Child and Adult Care Food Program more narrowly on low-income children, the Personal Responsibility and Work Opportunity Reconciliation Act of 1996 established a two-tiered structure of meal reimbursement rates for family child care homes. The Act applied higher rates to homes in low-income areas or operated by low-income people. In a report to Congress, FANRP assessed the impact that the new tiered meal reimbursements have had on sponsoring organizations, participating and dropout homes, and children cared for by participating homes (Hamilton et al., March 2002a).

Program Dynamics and Administration

An essential objective of FANRP is to provide research to policymakers that improves program operations.

One FANRP study examined the prevalence of direct certification of children for school meals, its implementation methods, and its effects on program access and integrity (Gleason et al., October 2003b). Direct certification is a procedure whereby school districts use information from State welfare or food stamp offices to certify children to receive free meals instead of requiring families to fill out applications. It was designed primarily to improve National School Lunch Program access and administrative efficiency.

Congressionally mandated studies completed by FANRP have been particularly instrumental in informing policy decisions on program dynamics and administrative issues. For example, FANRP provided an evaluation of the Fruit and Vegetable Pilot Program—a program established by the 2002 Farm Bill to promote fresh fruit and vegetable consumption among the Nation's schoolchildren (Buzby et al., 2003). The intent of the pilot was to determine the feasibility of such a program and its success as determined by the students' interest in participating. Results from this study led to the program being continued and expanded.

Another congressionally mandated study assessed the impact of WIC cost-containment practices used by States to reduce food costs (Kirlin et al., February 2003). The WIC program provides both nutrition education and supplemental foods containing nutrients that nutrition research has determined to be lacking in the diets of the program's target population. To ensure the best use of available funds and provide benefits to all eligible individuals, WIC State agencies have implemented practices to reduce the cost of food packages with these prescribed foods. The study assessed such impacts as program participation, food package costs, administrative costs, and participant satisfaction with the prescribed foods.

Program Interactions

The economic impacts of food assistance programs often extend beyond program participants. For example, WIC purchases over half of all infant formula sold in the United States. Because of its buying power, WIC gets large discounts in the form of rebates from infant formula manufacturers. Congress expressed concern about the possible effects of WIC on the price paid by non-WIC consumers of infant formula. Based on the most comprehensive national study ever of retail infant formula prices, FANRP research found that WIC and its rebate program modestly raised the supermarket price of infant formula but that lower priced infant

formulas are available to non-WIC consumers in most areas of the country (Oliveira et al., 2004).

Food assistance programs also have economic effects on agriculture and the general economy because they generate demand for food and farm products. ERS has estimated this relationship, and the work has been particularly useful to Congress. In addition, food assistance programs provide an "in-kind" income support for lowincome people that automatically expands during recessions and contracts during economic growth. FANRP research has shown that a 1-percentage-point increase in the unemployment rate results in about 700,000 more food stamp recipients during the first year and about 1.3 million more in the long run.⁴ This automatic response helps to stabilize the overall economy and to direct Federal spending to areas most in need. FANRP's economic perspective has brought attention to this vital relationship and its budgetary implications for USDA.

Data Development

FANRP places a high priority on data development because data sustain the program's research on food assistance programs and the environment in which they operate. Investments in new and ongoing data collections provide a critical foundation for addressing new and emerging food assistance issues. FANRP funding has enhanced food assistance data collection in a number of nationwide surveys. In 1998, FANRP assumed sponsorship of the annual Food Security Supplement to the Census Bureau's Current Population Survey. The supplement provides the data used to develop national statistics on food insecurity and hunger.

FANRP provides funding for the U.S. Department of Education's Early Childhood Longitudinal Studies (ECLS), which are made up of two cohorts that provide national data on children's status at birth and at various points thereafter through the fifth grade. Data from the ECLS are being used to test hypotheses about the effects of food assistance programs on a range of issues, including children's development, school performance, and obesity.

FANRP also supports the National Health and Nutrition Examination Survey (NHANES) conducted by the Centers for Disease Control and Prevention, U.S. Department of Health and Human Services, which collects information about the health and diet of Americans.

⁴More detailed information can be found at http://www.ers.usda.gov/Briefing/GeneralEconomy/impact.htm.

FANRP has developed several electronic data products for public use. The Food Stamp Program Map Machine is an interactive web-based mapping utility that illustrates program participation and benefit levels down to the county level (http://www.ers.usda.gov/data/ foodstamps/). The Summer Food Service Program (SFSP) Map Machine, an Internet-based mapping utility that profiles SFSP sites by detailing characteristics of both the Census tract in which they exist and neighboring schools, was developed to help target potential Summer Food Service Program expansion efforts (http:// www.ers.usda.gov/Data/SFSP/). This interactive mapping utility integrates three different types of information—Census data, program administrative data, and data on public elementary and secondary schools—and provides visual displays of SFSP sponsors and sites in geographic relation to concentrated areas of child poverty.

Expanding the Research Base

FANRP uses two mechanisms to promote research from a broad arena—the Competitive Grants and Cooperative Agreements Program and the Small Grants Program.

The Competitive Grants and Cooperative Agreements Program

This program awards grants and cooperative agreements up to \$300,000. The program is announced publicly via the ERS website, ERS e-mail updates, and postings on various listservs (e-mail-based discussion forums). The proposal evaluation process includes peer review panels consisting of experts from academia, government, and the private sector. In addition to reviewer's comments, FANRP's selection process considers coverage of priority research areas, overlap between proposals and ongoing projects, program needs, potential benefits from research collaborations on particular projects, and availability of funding. FANRP's competitive grants and cooperative agreements program, with a description of the application process, typically is announced in mid-March of each year. The deadline for submission of proposals is generally in late May, and the awards are announced in mid-October.

The Small Grants Program

This program seeks to stimulate new and innovative research on food assistance and nutrition issues and broaden the participation of social science scholars in these issues. Small grants last for 1 year; most are in the range of \$20,000-\$40,000. Funded by ERS, the Small Grants Program is administered through selected universities and their associated research institutes

located at five sites. Each of the five institutions takes a different aspect of food assistance, nutrition, or subgroup of recipients as its primary focus. The five institutions and their area of focus are as follows:

The Irving B. Harris Graduate School of Public Policy Studies, University of Chicago—Interactions between food assistance and other welfare programs and links between the macroeconomy and food assistance.

Institute for Research on Poverty at the University of Wisconsin—Understanding the relationships among the food assistance safety net, poverty, and well-being.

The American Indian Studies Program at the University of Arizona—The relationship between family poverty and food assistance programs among Native Americans.

The Southern Rural Development Center at Mississippi State—The relationship between food assistance and rural people, families, and communities in the South.

The Department of Nutrition at the University of California, Davis—The impact of food assistance programs on nutritional risk indicators (clinical, anthropometric, biochemical, and dietary), food purchasing practices, and food insecurity.

Research Dissemination

FANRP uses different vehicles to disseminate research findings to diverse audiences. ERS-produced reports are the primary vehicle used to showcase FANRP research. ERS publishes an array of products for a variety of purposes and audiences. In 2005, ERS revamped their publication series. Economic Research Reports (ERRs) are a departmental series available in both paper and electronic copy. These technical or semi-technical reports present original economic analysis, findings, and implications primarily for public decisionmakers and researchers.

Other departmental series include Economic Briefs (EBs) and Economic Information Briefs (EIBs). These nontechnical publications, intended for a broader audience, provide concise, timely insights from recent ERS research. *The Food Assistance Landscape* is an EIB that is published biannually. It provides an overview of USDA's domestic food assistance programs, including recent program statistics, information on related

⁵ERRs replace the Food and Nutrition Research Report (FANRR) series.

economic and social indicators, and highlights of recent FANRP research (Oliveira, September 2005).

Contractor and Cooperator Reports (CCRs), which result from FANRP's extramural research program and are available in electronic form only, are a component of the ERS effort to serve the public with e-government technologies and the ERS website. The views expressed in CCRs, unlike reports in the departmental series, are those of the authors and not necessarily those of ERS or USDA (FANRP, in accordance with program principles, makes its research publicly available). In addition to the series of reports, articles on food assistance and nutrition-related topics are often featured in the ERS periodical, *Amber Waves*. All ERS publications are available on the ERS website.

FANRP research targeted to narrower, more technical audiences can be found in a wide range of professional journals. Each year, ERS staff also present findings from FANRP research at numerous professional meetings across the country. The meetings are sponsored by such groups as the American Association of Food Stamp Directors, the National WIC Association, the School Nutrition Association, the American Public Human Services Association, the National Association for Welfare Research and Statistics, the Society for Nutrition Education, the Association for Public Policy Analysis and Management, and the American Agricultural Economics Association.

To encourage interaction among researchers and policymakers, FANRP organizes and sponsors conferences and workshops. Two are held annually—the Food and Nutrition Research Small Grants Program Conference and the Food Assistance Research Conference: Recent Research and Emerging Issues. Other conferences, often co-sponsored with other institutions, are hosted to address timely and policy-relevant topics. For example, in previous years, FANRP hosted conferences on Income Volatility and Implications for Food Assistance Programs, Food Security Measurement and Research, Rural Dimensions of Welfare Reform, and the Economics of Obesity.

Fiscal 2005 Priority Research Areas and New Projects

FANRP responds to immediate and long-term research needs by annually identifying priority research areas. The following is a list of some of the projects funded

under FANRP in fiscal 2005 (see table 1 for more detailed information about FANRP's fiscal 2005 activities):⁷

Strengthening Economic Incentives in Food Assistance Programs—Projects in this area examine food assistance program incentives, policy choices, and economic impacts.

- Evaluation of State Food Policy Changes as Incentives To Foster Improved Middle School Lunch Selection and Consumption.
- Commodity Supplemental Food Program: Participation and Administration.
- Effective Tax Rates and Guarantees and Food Stamp Program Participation.
- Determinants of the Food Stamp Caseload.
- The Processes of Getting and Staying on Food Stamps in South Carolina.

Food Choices, Diet Quality, Obesity, and Health Outcomes—Projects in this area examine the causes and consequences of overweight and obesity and the eating patterns and diet quality of young adults.

- Economic Determinants of School Meal Participation.
- Food Insecurity and Outcomes for Infants and Toddlers in the Early Childhood Longitudinal Study-Birth Cohort.

Food Assistance as a Safety Net—Projects in this area examine conditions and policies that affect client access to and participation in food assistance programs.

 Household Food Security and Tradeoffs in the Food Stamp Budget: A Revitalized Engel Approach Including Food Stamps.

Research Outreach—FANRP continued its support of the Small Grants program, with the participation of five administering institutions, each of which specializes in different aspects of food assistance programs or population subgroups.

⁶CCRs replace the E-FAN series.

⁷Information on all FANRP extramural research projects awarded before fiscal 2005 can be found in the report *Food Assistance and Nutrition Research Program: Final Report, Fiscal 2004 Activities* at http://www.ers.usda.gov/Briefing/FoodNutritionAssistance/2004FinalReport.pdf.

Enhanced Food Assistance Research Data—Projects in this area include support for the Early Childhood Longitudinal Studies, the National Health and Nutrition Examination Survey, and the Food Security Supplement of the Current Population Survey.

FANRP, Today and Tomorrow

FANRP addresses the research needs of the Nation's food assistance and nutrition programs. Its research analyzes the benefits of improved diets and food choices, the factors that influence diet and nutrition, and the outcomes of policies and programs aimed at improving the nutrition, well-being, and food security of

Americans. These programs include the Food Stamp Program, WIC, and Child Nutrition Programs.

FANRP conducts and disseminates policy-relevant and programmatic research that informs decisionmakers and the public. FANRP will continue to integrate intramural research with its extramural program, enhancing its capacity to address policy and research needs of USDA's food assistance and nutrition programs in a timely, objective, and cost-effective manner. To identify and prioritize research needs and policy issues, FANRP will continue to seek input from key constituencies, such as policy officials, program and research leaders, and the Food and Nutrition Service.

Chapter 2. Fiscal 2005 FANRP Activities

This chapter describes FANRP activities in fiscal 2005, first providing an overview of the extramural program, then describing the specific FANRP projects funded, and presenting a list of reports and journal articles based on FANRP projects that were published during the year.

Extramural Research Program, Fiscal 2005

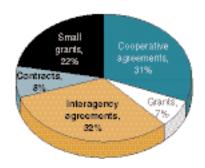
To meet the program needs of the Department and promote research from a broad arena, FANRP uses a variety of funding mechanisms in its extramural programs.

Contracts are used when a very specific product is required, such as data collection. One contract, for \$349,496, was awarded in fiscal 2005. It funded the collection and analysis of data on the operating characteristics, costs, and revenues of a national sample of School Food Authorities (SFAs), which operate the meal programs in schools.

Grants and cooperative agreements are used when the intent is to stimulate new and innovative research or to undertake projects jointly with ERS researchers. Grants are awarded when the research project supports the general public good and does not require substantial involvement between ERS staff and the extramural researchers during the performance of the award. Cooperative agreements, awarded when the research project requires more substantial involvement between ERS and the extramural researchers, enable ERS staff to supplement their own expertise with the knowledge and resources of academic and private institutions.⁸

The Competitive Grants and Cooperative Agreements Program is publicly announced and competitively

Share of Extramural Awards by Type, Fiscal 2005



awarded based on peer review, research priorities, and availability of funding (see appendix B for a list of the fiscal 2005 peer reviewers). Funding for seven cooperative agreements totaled \$1,109,971 in fiscal 2005. In addition, a grant

was awarded for \$149,085. The acceptance rate for proposals of cooperative agreements and grants was about one in four, or in dollar terms, roughly \$1 in \$6.

In addition, five cooperative agreements were awarded outside the competitive program just discussed. These agreements, totaling \$248,135, were awarded to fill special research needs of the ongoing internal research program. For example, the largest award, in the amount of \$100,000, supports the development of a data base on State-level Food Stamp Program policies from 1996 to 2004 to be used in an analysis of the impacts of the policies on Food Stamp Program participation. A grant for \$152,044 was also awarded to sponsor a conference on issues related to income volatility and its implications for food assistance.

The Small Grants Program funds grant competitions at five diverse institutions. Each institution focuses on a particular facet of food assistance, such as diet and health outcomes, relationships to poverty and well-being, rural issues, and special at-risk population groups. Funding for small grants totaled \$980,275 in fiscal 2005.

Interagency agreements are used to enhance food assistance data development through cost-sharing partnerships and fund cooperative interagency research on program interactions and policy issues. Funding for interagency projects totaled \$1,421,808, including funding for additional data collection in the National Health and Nutrition Examination Survey, the Early Childhood Longitudinal Studies, as well as the Food Security Supplement to the Current Population Survey.

⁸There are two types of cooperative agreements: cooperative research agreements and assistance-type cooperative agreements. In a cooperative research agreement, ERS staff and the extramural researcher(s) are close collaborators and contributors to support the research; in an assistance-type cooperative agreement, the extramural researcher(s) are responsible for conducting the greater part of the work on the project. Cooperative research agreements require both parties to contribute to the funding of the project; assistance-type cooperative agreements do not have this joint funding requirement.

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Research Projects/Awards	Objective	Estimated Cost
Strengthening Economic Incentives in Food Assistance Programs		
Commodity Supplemental Food Program: Participation and Administration The Urban Institute	To assess (1) how the Commodity Supplemental Food Program (CSFP) fits into States' overall designs to address food insecurity among target populations; (2) how States administer the program; (3) why some States choose not to participate; (4) who among those eligible tends to participate, and (5) expectations for the future of the CSFP. This project will combine administrative data with telephone interviews in nine States and field work at eight sites.	\$210,000
Processes of Getting and Staying on Food Stamps in South Carolina George Washington University	To examine how household Food Stamp Program (FSP) policies, such as recertification intervals, time limits for able-bodied adults without children, and outreach activities, affect applicants' decisions to apply for FSP, length of stay on the program, and participants' decisions to exit the program. The study will focus on how these policy effects differ by household type, including households with and without earnings; number of adults in the household; and the presence of elderly adults and children. The project will use administrative data for South Carolina.	\$200,000
Evaluation of State Food Policy Changes as Incentives To Foster Improved Middle School Lunch Selection and Consumption Baylor College of Medicine	To examine how well recent food policy changes in Texas schools act as incentives to improve middle school students' food selection and consumption from various school sources, such as the National School Lunch Program, snack bars, and vending machines. Data obtained from students in three schools during the 2005-06 school year, when a new Texas school food policy that targets all school food environments takes effect, will be compared with data from two earlier periods—the 2001-02 school year and the 2002-03 school year.	\$149,085
Effective Tax Rates and Guarantees and Food Stamp Program Participation University of Kentucky	To examine the impact of effective tax rates and guarantees on households' decisions to participate in the Food Stamp Program (FSP), depending on other macroeconomic, demographic, and policy factors. Concern has arisen about possible work-disincentive effects of program rules that impose high effective tax rates on families choosing to increase their work effort and about program actions that effectively reduce the level of program guarantees. Actual benefits from cash transfers and the FSP are reduced by the rules in question. The analysis will be based on administrative data combined with national survey data for 1983-2003.	\$100,000
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Research Projects/Awards	Objective	Estimated Cost
Economic Determinants of School Meal Participation RAND	To examine the factors associated with variations in participation by schools and individuals in USDA's school meals programs, particularly how participation varies with local food prices. Data from the Early Childhood Longitudinal Study-Kindergarten Cohort (ECLS-K) will be combined with contextual data on local area food prices and on neighborhood and school district characteristics in order to examine the neighborhood, school, family, and individual characteristics associated with elementary schoolchildren's participation in the National School Lunch and School Breakfast Programs.	\$199,971
Development of a Questionnaire on Dietary Behavior of Low-Income Populations Mathematica Policy Research, Inc.	To develop a short questionnaire that will assess important dietary behaviors associated with dietary quality and that will be widely usable with low-income populations across the United States. The core set of questions comprising the questionnaire will assess broad areas of dietary behavior emphasized by Federal dietary guidance. The questionnaire will also include modules that expand on the core questionnaire to provide additional information on particular topic areas. The questionnaire will be suitable for both telephone interviews and face-to-face situations.	\$349,496
Effects of Agricultural Research and Farm Subsidy Policies on Human Nutrition and Obesity University of California, Davis	To examine the links between agricultural policies and obesity. Agricultural policies—including commodity price supports, import barriers, and public agricultural research and development—can affect commodity markets, food prices, nutritional characteristics of food products, and, thus, consumption choices and nutritional outcomes. Results from this study can be used to understand the links between agricultural policies and obesity, and to evaluate the implications of obesity policies for farm product demand.	\$30,000
Food Assistance as a Safety Net		
Household Food Security and Tradeoffs in the Food Budget: A Revitalized Engel Approach Including Food Stamps Tufis University	To model and analyze the relationship between Food Stamp Program benefits, household spending decisions for food consumed at home and away from home, and the implications of those decisions for household food security. Data from the Current Population Survey Food Security Supplement and the Food Stamp Program Quality Control system files for the years 2001-04 will be used for the empirical analyses.	\$75,000
	Cont	Continued—

Research Outreach

Small Grants Program

To stimulate new and innovative research on food assistance programs and to broaden the participation of social science scholars in food assistance research. Five academic institutions and affiliated research institutes partnered with ERS in 1998 to administer the Small Grants Program. Each institution focuses on a particular facet of food assistance, such as diet and health outcomes, relationships to poverty and well-being, rural issues, and special at-risk population groups. The five institutions and areas of focus are:

\$980,275

- The Irving B. Harris Graduate School of Public Policy Studies, University of Chicago funds proposals on interactions between food assistance and other welfare programs and linkages between the macroeconomy and food assistance. (\$179,999)
- The Southern Rural Development Center, Mississippi State University supports food assistance research on rural people, families, and communities in the South. The Center also initiated a dialogue among scholars by establishing a Rural South Food Assistance Research Task Force to further articulate research priorities on food-assistance-related issues. (\$230,000)
- The American Indian Studies Program, University of Arizona is working with Native American scholars at tribal colleges and elsewhere to support research that addresses the unique issues and problems of Native Americans with respect to food assistance. (\$210,304)
- The Department of Nutrition, University of California, Davis has awarded small grants for research on the impact of food assistance programs on nutritional risk indicators (anthropometric, biochemical, clinical, and dietary), food purchasing practices, and food insecurity. This program seeks to encourage the study of multiple indicators of nutrition impact and interdisciplinary approaches to integrate epidemiology, economics, or anthropology with nutrition. (\$179,972)
- The Institute for Research on Poverty, University of Wisconsin awards research grants that examine the relationship among the food assistance safety net, poverty, and well-being. (\$180,000)

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Table

Research Projects/Awards	Objective	Estimated Cost
Conference on Income Volatility and Implications for Food Assistance Programs-II National Poverty Center, University of Michigan	To sponsor a conference on issues related to income volatility and the movement in and out of food assistance program eligibility, the household's decision to participate, compliance over time, and program costs. The conference and dissemination of its research findings will facilitate interaction among policy leaders, government officials, and the academic community on the topic of efficient delivery of program benefits to eligible participants.	\$152,044
Enhanced Food Assistance Research Data		
Early Childhood Longitudinal Study-Birth Cohort (ECLS-B) National Center for Education Statistics, U.S. Department of Education	To include the following in the ECLS-B: items on participation of children and their families in Federal food assistance programs and other public assistance programs, items on infant and child feeding practices, USDA's food security questionnaire module, and measures of children's length/height and weight.	\$456,954
Early Childhood Longitudinal Study-Kindergarten Cohort (ECLS-K) National Center for Education Statistics, U.S. Department of Education	To include the following in the ECLS-K: items on children's participation in the School Breakfast and National School Lunch Programs, items on their families' participation in Federal food assistance programs and other public assistance programs, USDA's food security questionnaire module, and measures of children's length/height and weight.	\$310,854
Current Population Survey (CPS) Food Security Supplement U.S. Census Bureau	To develop annual estimates of the prevalence of food security in the United States and to provide data for analysis of the determinants of and changes in the level of food security.	\$450,000
National Health and Nutrition Examination Survey 1999-2004, Food Security Questions U.S. Department of Health and Human Services	To support inclusion of a battery of food security questions in individual interviews of the National Health and Nutrition Examination Survey.	\$135,000
Committee on National Statistics Funded through the National Science Foundation	To provide core funding for the Committee on National Statistics for such activities as a review of the 2000 Census, poverty estimates for small areas, measuring the effects of social welfare reform, cost-of-living indexes, performance measures for public health programs, the use of statistical formulas in legislation for fund allocation, confidentiality and data access, and other issues.	\$26,000
		Continued—

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Table 1

Research Projects/Awards

Estimated Cost

Objective

Amenaments to Ongoing rrojects		
Food Security Measurement Expert Review Panel Study Committee on National Statistics	To provide support for the second phase of a National Academy of Science panel to review the conceptualization and methods for measuring food security for monitoring, evaluation, and related research purposes.	\$68,135
How Are State Food Stamp and Temporary Assistance for Needy Families Policy Choices Affecting Food Stamp Participation? The Urban Institute	To quantify Food Stamp Program (FSP) State-level policy changes made between 1996 and 2003 and, using data from the Survey of Income and Program Participation (SIPP), estimate the relative impacts of FSP policies, cash welfare policies, and economic and demographic characteristics on FSP participation. FSP participation rates fell sharply in the mid- to late 1990s. In response, new policy options were made available for State administrators to improve accessibility. Additional funding was provided to develop a data base on State-level FSP policies for the 1996-2004 period.	\$100,000
Study of School Food Authority Characteristics, Costs, and Revenues: Data Collection and Analysis Food and Nutrition Services, USDA	To describe the environment and operations of School Food Authorities (SFA), describe their costs, revenues, and financial practices, and model the relationship of SFA costs to production of reimbursable meals, other outputs, and SFA characteristics. Objectives will be accomplished through a data collection appended to the Food and Nutrition Service School Nutrition Assessment Study-Phase I and a set of data analyses. Additional funding was provided to add variables from U.S. Department of Education data files and to conduct additional analysis.	\$43,000

Note: Information on all FANRP extramural research projects awarded before fiscal 2005 can be found in the report, *Food Assistance and Nutrition Research Program: Final Report, Fiscal 2004 Activities* at http://www.ers.usda.gov/Briefing/FoodNutritionAssistance/2004FinalReport.pdf.

Chapter 3. FANRP Publications, Fiscal 2005

The following is a list of publications sponsored by the Food Assistance and Nutrition Research Program (either directly or through the Small Grants Program) during fiscal 2005. Two categories of publications are listed: (1) Monographs and Journal Articles, and (2) Working/Discussion Papers. Electronic copies of all ERS publications are available at http://www.ers.usda.gov/Publications/.

Monographs and Journal Articles

- Bartlett, S., N. Burstein, and W. Hamilton. *Food Stamp Program Access Study: Final Report*, E-FAN-03-013-3, USDA, ERS, November 2004.
- Blalock, L., P. Monroe, and M. Garrison. "Theoretical Threads Weave the Foundation for Family Policy Research," *Sourcebook of Family Theory and Research*, V. Bengston et al., eds., Sage Publications, Inc., 2005.
- Blisard, N., H. Stewart, and D. Jolliffe. *Low-Income Households' Expenditures on Fruits and Vegetables*, Agriculture Information Bulletin No. 792-5, USDA, ERS, October 2004.
- Boumtje, P., C. Huang, J. Lee, and B. Lin. "Dietary Habits, Demographics, and the Development of Overweight and Obesity Among Children in the United States," *Food Policy*, Vol. 30, Issue 2, April 2005.
- Buzby, J., and J. Guthrie. *The USDA Fruit and Vegetable Pilot Program Evaluation*, Agriculture Information Bulletin No. 792-6, USDA, ERS, October 2004.
- Capps, O., Jr., A. Clauson, J. Guthrie, G. Pittman, and M. Stockton. *Contributions of Nonalcoholic Beverages to the U.S. Diet*, Economic Research Report No. 1, USDA, ERS, March 2005.
- Clarke, J., W. Levedahl, and A. Reed. *Estimating Longrun Food Stamp Program Caseloads*, E-FAN-04-013, USDA, ERS, December 2004.
- Cody, S., and J. Ohls. *Evaluation of the USDA Elderly Nutrition Demonstrations: Volume I, Evaluation Findings*, Contractor and Cooperator Report No. 9-1, July 2005.
- Cody, S., P. Gleason, B. Schechter, M. Satake, and J. Sykes. *Food Stamp Program Entry and Exit: An Analysis of Participation Trends in the 1990s*, Contractor and Cooperator Report No. 8, July 2005.

- Colditz, G. *Dietary Intake and Health Outcomes: Final Report*, Contractor and Cooperator Report No. 6, USDA, ERS, May 2005.
- Cole, N., and M. Fox. *Nutrition and Health Characteristics of Low-Income Populations: Volume II, WIC Participants and Nonparticipants*, E-FAN-04-014-2, USDA, ERS, December 2004.
- Cole, N., and M. Fox. *Nutrition and Health Characteristics of Low-Income Populations: Volume IV, Older Adults*, E-FAN-04-014-4, USDA, ERS. December 2004.
- Cole, N., and E. Lee. Feasibility and Accuracy of Record Linkage To Estimate Multiple Program Participation: Volume III, Results of Record Linkage, E-FAN-03-008-3, USDA, ERS, November 2004.
- Connell, C., K. Lofton, K. Yadrick, and T. Rehner. "Children's Experiences of Food Insecurity Can Assist in Understanding its Effect on Their Well-Being," *The Journal of Nutrition*, Vol. 135, No. 7, July 2005.
- Connell, C., M. Nord, K. Lofton, and K. Yadrick. "Food Security of Older Children Can Be Assessed Using a Standardized Survey Instrument," *Journal of Nutrition*, Vol. 134, Issue 10, October 2004.
- Davis, D., and E. Leibtag. *Interstate Variation in WIC Food Package Costs: The Role of Food Prices, Caseload Composition, and Cost-Containment Practices*, Food Assistance and Nutrition Research Report No. 41, USDA, ERS, January 2005.
- Finegold, K., N. Pindus, L. Wherry, S. Nelson, T. Triplett, and R. Capps. *Background Report on the Use and Impact of Food Assistance Programs on Indian Reservations*, Contractor and Cooperator Report No. 4, USDA, ERS, January 2005.
- Food Assistance and Nutrition Research Program, Fiscal 2005, Competitive Grants and Cooperative Agreements Program, Description and Application Process, USDA, ERS, March 2005.
- Food Assistance and Nutrition Research Program, Final Report: Fiscal 2004 Activities, USDA, ERS, February 2005.

- Fox, M., and N. Cole. *Nutrition and Health Characteristics of Low-Income Populations: Volume I, Food Stamp Participants and Nonparticipants*, E-FAN-04-014-1, USDA, ERS, December 2004.
- Fox, M., and N. Cole. *Nutrition and Health Characteristics of Low-Income Populations: Volume III, School-Age Children*, E-FAN-04-014-3, USDA, ERS, December 2004.
- Fox, M., W. Hamilton, and B. Lin. *Effects of Food Assistance and Nutrition and Health: Volume 3, Literature Review*, Food Assistance and Nutrition Research Report No. 19-3, USDA, ERS, October 2004.
- Fox, M., W. Hamilton, and B. Lin. *Effects of Food Assistance and Nutrition and Health: Volume 4, Executive Summary of the Literature Review*, Food Assistance and Nutrition Research Report No. 19-4, USDA, ERS, November 2004.
- Frazão, E. Nutrition and Health Characteristics of Low-Income Populations: Meal Patterns, Milk and Soft Drink Consumption, and Supplement Use, USDA, ERS, Agriculture Information Bulletin No. 796-4, February 2005.
- Frazão, E. Nutrition and Health Characteristics of Low-Income Populations: Clinic Measures of Iron, Folate, Vitamin B₁₂, Cholesterol, Bone Density, and Lead Poisoning, Agriculture Information Bulletin No. 796-5, USDA, ERS, February 2005.
- Howarth, N., T. Huang, S. Roberts, and M. McCrory. "Dietary Fiber and Fat Are Associated with Excess Weight in Young and Middle-Aged US Adults," *Journal of the American Dietetic Association*, Vol. 105, No. 9, September 2005.
- Huang, T., N. Howarth, B. Lin, S. Roberts, and M. McCory. "Energy Intake and Meal Portions: Associations with BMI Percentile in U.S. Children," *Obesity Research*, Vol. 12, No. 11, November 2004.
- Jolliffe, D., C. Gundersen, L. Tiehen, and J. Winicki. "Food Stamp Benefits and Child Poverty," *American Journal of Agricultural Economics*, Vol. 3, No. 3, August 2005.
- Joyce, T., D. Gibson, and S. Colman. "The Changing Association between Prenatal Participation in WIC and Birth Outcomes in New York City," *Journal of Policy Analysis and Management*, Vol. 24, No. 4, Fall 2005.

- Kaiser, L., M. Townsend, H., Melgar-Quinonez, M., Fujii, and P. Crawford. "Choice of Instrument Influences Relations Between Food Insecurity and Obesity in Latino Women," *American Journal of Clinical Nutrition*, Vol. 80, No. 5, November 2004.
- Kang, G., S. Huffman, and H. Jensen. "An Empirical Analysis of Joint Decisions on Labour Supply and Welfare Participation," *Applied Economics Letters*, Vol. 11, No. 14, November 2004.
- King, R., E. Leibtag, and A. Behl. *Supermarket Characteristics and Operating Costs in Low-Income Areas*, Agricultural Economic Report No. 839, USDA, ERS, December 2004.
- Lin, B. *Nutrition and Health Characteristics of Low-Income Populations: Healthy Eating Index*, Agriculture Information Bulletin No. 796-1, USDA, ERS, February 2005.
- Lin, B. *Nutrition and Health Characteristics of Low-Income Populations: Body Weight Status*, Agriculture Information Bulletin No. 796-3, USDA, ERS, February 2005.
- Mills, G., D. Laliberty, and C. Rodger. *Food Stamp Certification Periods and Payment Accuracy: State Experience During 1997-2001*, E-FAN-04-012, USDA, ERS, November 2004.
- Muhammad, S., F. Tegegne, E. Ekanem, N. Appleton, and L. Pearson. "Participation of Latino/Hispanic Population in the Food Stamp Program (FSP)," *Journal of Food Distribution Research*, Vol. 36, No. 1, March 2005.
- National Research Council. *Measuring Food Insecurity and Hunger: Phase 1 Report*, Committee on National Statistics, Division of Behavioral and Social Sciences and Education, Washington, DC: The National Academies Press, 2005.
- Nogales, R., S. Cody, and J. Ohls. *Evaluation of the USDA Elderly Nutrition Demonstrations: Volume II, Demonstration Summaries*, Contractor and Cooperator Report No. 9-2, July 2005.
- Nord, M., M. Andrews, and S. Carlson. *Household Food Security in the United States*, 2003, Food Assistance and Nutrition Research Report No. 42, USDA, ERS, October 2004.

Oliveira, V., and R. Chandran. *Issues in Food Assistance—Effects of WIC Participation on Children's Food Consumption*, Food Assistance and Nutrition Research Report No. 26-11, USDA, ERS, February 2005.

Oliveira, V., and R. Chandran. *Children's Consumption of WIC-Approved Foods*, Food Assistance and Nutrition Research Report No. 44, USDA, ERS, February 2005.

Oliveira, V. *The Food Assistance Landscape, March* 2005, Food Assistance and Nutrition Research Report No. 28-6, USDA, ERS, March 2005.

Oliveira, V. *The Food Assistance Landscape*, *September 2005*, Economic Information Bulletin No. 6-1, USDA, ERS, September 2005.

ORC Macro. Developing Effective Wording and Format Options for a Children's Nutrition Behavior Questionnaire for Mothers of Children in Kindergarten, Contractor and Cooperator Report No. 10, USDA, ERS, August 2005.

Polit, D., L. Nelson, L. Richburg-Hayes, and D. Seith. Welfare Reform in Los Angeles: Implementation, Effects, and Experiences of Poor Families and Neighborhoods, Manpower Demonstration Research Corporation (MDRC), August 2005.

Powers, S. Parenting Practices and Obesity in Low-Income African-American Preschoolers, Contractor and Cooperator Report No. 3, USDA, ERS, January 2005.

Prell, M. An Economic Model of WIC, the Infant Formula Rebate Program, and the Retail Price of Infant Formula, Food Assistance and Nutrition Research Report No. 39-2, USDA, ERS, December 2004.

Ralston, K. *Nutrition and Health Characteristics of Low-Income Populations: Usual Nutrient Intakes*, Agriculture Information Bulletin No. 796-2, USDA, ERS, February 2005.

Salmon, M., and J. Bridges. "Waiting for Dinner: Elderly on the Waiting List for Home-Delivered Meals," *Food Assistance Needs of the South's Vulnerable Populations*, Number 9, February 2005.

Serrano, E., and R. Cox, "Preventing Childhood Obesity," *The South's Vulnerable Population*, Number 10, Southern Rural Development Center, April 2005.

Sing, M., S. Cody, M. Sinclair, and R. Cohen. *The Food Stamp Program's Elderly Nutrition Pilot Demonstration: Final Evaluation Design*, Contractor and Cooperator Report No. 5-2, USDA, ERS, March 2005.

Sing, M., S. Cody, M. Sinclair, R. Cohen, and J. Ohls. *The Food Stamp Program's Elderly Nutrition Pilot Demonstration: Initial Evaluation Design*, Contractor and Cooperator Report No. 5-1, USDA, ERS, March 2005.

Stommes, E., and L. Tiehen. Food Assistance and Nutrition Research Small Grants Program: Executive Summaries of 2003 Research Grants, Food Assistance and Nutrition Research Report No. 43, USDA, ERS, December 2004.

Working and Discussion Papers

Bernell, S., M. Edwards, and B. Weber. *Restricted Opportunities, Unfortunate Personal Choices, Ineffective Policies? What Explains Food Insecurity in Oregon*, Working Paper No. Arec 05-101, Department of Agricultural and Resource Economics, Oregon State University, February 2005.

Cook, A., and B. Daponte. An Age-Period-Cohort Analysis of the Rise in the Prevalence of the U.S. Population Overweight and/or Obese, Institute for Poverty Discussion Paper No. 1296-05, April 2005.

Gibson-Davis, C., and E. Foster. A *Cautionary Tale: Using Propensity Scores To Estimate the Effect of Food Stamps on Food Insecurity*, Institute for Poverty Discussion Paper No. 1293-05, March 2005.

Gundersen, C., D. Jolliffe, and L. Tiehen. *Narrowing the Food Insecurity Gap Between Food Stamp Participants and Eligible Non-Participants: The Role of State Policies*, National Poverty Center Working Paper 04-14, November 2004.

Joyce, T., D. Gibson, and S. Colman. *The Changing Association between Prenatal Participation in WIC and Birth Outcomes in New York City*, Institute for Poverty Discussion Paper No. 1301-05, May 2005.

London, A., and E. Scott. *Food Security Stability and Change Among Low-Income Urban Women*, JCPR Working Paper 354, Joint Center for Poverty Research, April 2005.

Chapter 4. FANRP Publications, Fiscal 1998-2004

The following is a list of publications sponsored by the Food Assistance and Nutrition Research Program from fiscal 1998, its first year of mandated responsibility, through fiscal 2004. Publications are listed in one of two categories: (1) Monographs and Journal Articles, and (2) Working/Discussion Papers. Electronic copies of reports in the FANRR and E-FAN series are available at http://www.ers.usda.gov/Briefing/FoodNutritionAssistance/readings/.

Monographs and Journal Articles

Aldrich, L. *Consumer Use of Information: Implications for Food Policy*, Agricultural Handbook No. 715, USDA, ERS, June 1999.

Allshouse, J. Food Assistance Research Brief—Feeding Low-Income Children When School is Out: The Summer Food Service Program, Food Assistance and Nutrition Research Report No. 34-10, USDA, ERS, July 2003.

Andrews, M., L. Kantor, M. Lino, and D. Ripplinger. "Using USDA's Thrifty Food Plan to Assess Food Availability and Affordability," *FoodReview*, Vol. 24, Issue 2, USDA, ERS, May-August 2001.

Andrews, M., and M. Nord. *Food Security Is Improving in the United States*, Agriculture Information Bulletin No. 765-7, USDA, ERS, April 2001.

Andrews, M., M. Nord, G. Bickel, and S. Carlson. *Household Food Security in the United States, 1999*, Food Assistance and Nutrition Research Report No. 8, USDA, ERS, Fall 2000.

Andrews, M., and M. Prell, eds. *Second Food Security Measurement and Research Conference, Volume 1: Proceedings*, Food Assistance and Nutrition Research Report No. 11-1, USDA, ERS, February 2001.

Andrews, M., and M. Prell, eds. *Second Food Security Measurement and Research Conference, Volume II: Papers*, Food Assistance and Nutrition Research Report No. 11-2, USDA, ERS, July 2001.

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Alaimo, K., C., Olson, and E. Frongillo, Jr. "Food Insufficiency and Children's Health Status in the United States: Findings from the NHANES III."

Andrews, M., and M. Prell. "Overview."

Derrickson, J., A. Fisher, and J. Anderson. "Lessons Learned From an Assessment of the Individual-Level Core Food Security Module."

Dwyer, J., J. Mayer, and J. Cook. "Nutrition and Health Perspectives on Establishing a Food Security Research Agenda: What Can We Learn From the Past to Establish a Framework For the Future?"

Gundersen, G., and J. Gruber. "The Dynamic Determinants of Food Insufficiency."

Nord, M., and G. Bickel. "Estimating the Prevalence of Children's Hunger From the Current Population Survey Food Security Supplement."

Ohls, J., A. Prakash, L. Radbill, and A. Schirm. "Methodological Findings and Early Conclusions Based on the 1995, 1996, and 1997 Food Security Data."

Tarasuk, V. "Dietary Factors Associated With Reported Food Insecurity."

Bartlett, S., and N. Burstein. *Food Stamp Program Access Study: Eligible Nonparticipants*, E-FAN-03-013-2, USDA, ERS, May 2004.

Bell, L. Linking WIC Program Data to Medicaid and Vital Records Data: Phase II Report, Data Development Initiatives for Research on Food Assistance and Nutrition Programs—Final Report, E-FAN-04-005-2, USDA, ERS, June 2004.

Bell, L., A. Kenyon, T. Heinrich, and D. Zullo. Establishing a Web-Based Data Collection System for National School Lunch and National School Breakfast Program Data: Technical Report, E-FAN-04-005-3, USDA, ERS, June 2004.

Bell, L., S. Pachikara, S. Williams, and V. Gabor. *Re-Engineering the Welfare System—A Study of Administrative Changes to the Food Stamp Program: Final Report*, Food Assistance and Nutrition Research Report No. 17, USDA, ERS, June 2002.

Berkey, C., H. Rockett, A. Field, M. Gillman, and G. Colditz. "Sugar-Added Beverages and Adolescent Weight Change," *Obesity Research*, Vol. 12, No. 5, May 2004.

- Bernstein, L., and W. Hamilton. Sponsoring Organizations in the CACFP—Administrative Effects of Reimbursement Tiering: A Report to Congress on the Family Child Care Homes Legislative Changes Study, E-FAN-02-003, USDA, ERS, March 2002.
- Bhargava, A. "Socio-Economic and Behavioural Factors are Predictors of Food Use in the National Food Stamp Program Survey," *British Journal of Nutrition*, Vol. 92, Issue 3, September 2004.
- Bhargava, A., and J. Guthrie. "Unhealthy Eating Habits, Physical Exercise and Macronutrient Intakes Are Predictors of Anthropometric Indicators in the Women's Health Trial: Feasibility Study in Minority Populations," *British Journal of Nutrition*, Vol. 88, Issue 6, December 2002.
- Bhargava, A., and J. Hays. "Behavioral Variables and Education are Predictors of Dietary Change in the Women's Health Trial: Feasibility Study in Minority Populations," *Preventive Medicine*, Vol. 38, Issue 4, April 2004.
- Bhattacharya, J., J. Currie, and S. Haider. *Evaluating the Impact of School Nutrition Programs: Final Report*, E-FAN-04-008, USDA, ERS, July 2004.
- Bishow, J., J. Blaylock, and J. Variyam. "Matching Perception and Reality in Our Diets," *FoodReview*, Vol. 21, Issue 2, USDA, ERS, May-August 1998.
- Black, M., D. Cutts, D. Frank, J. Geppert, A. Skalicky, S. Levenson, P. Casey, C. Berkowitz, N. Zaldivar, J. Cook, A. Meyers, T. Herren, and the Children's Sentinel Nutritional Assessment Program Study Group. "Special Supplemental Nutrition Program for Women, Infants, and Children Participation and Infants' Growth and Health: A Multisite Surveillance Study," *Pediatrics*, Vol. 114, No. 1, July 2004.
- Blalock, L., V. Tiller, and P. Monroe. "They Get You Out of Courage: Persistent Deep Poverty Among Former Welfare Reliant Women," *Family Relations*, Vol. 53, Issue 2, March 2004.
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- Blisard, N., and J. Harris. *Measuring the Well-Being of the Poor: Demographics of Low-Income Households*, Technical Bulletin No. 1898, USDA, ERS, April 2002.

- Blisard, N., D. Smallwood, and S. Lutz. *Food Cost Indexes for Low-Income Households and the General Population*, Technical Bulletin No. 1872, USDA, ERS, February 1999.
- Blisard, N., H. Stewart, and D. Jolliffe. *Low-Income Households' Expenditures on Fruits and Vegetables*, Agriculture Economic Report No. 833, USDA, ERS, May 2004.
- Bogen, D., B. Hanusa, and R. Whitaker. "The Effect of Breast-Feeding with and without Formula Use on the Risk of Obesity at 4 Years of Age," *Obesity Research*, Vol. 12, No. 9, September 2004.
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- Breunig, R., I. Diasgupta, C. Gundersen, and P. Pattanaik. *Explaining the Food Stamp Cash-Out Puzzle*, Food Assistance and Nutrition Research Report No. 12, USDA, ERS, April 2001.
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- Brock, T., I. Kwakye, J. Polyné, L. Richburg-Hayes, D. Seith, A. Stepick, and C. Stepick. *Welfare Reform in Miami: Implementation, Effects, and Experiences of Poor Families and Neighborhoods*, Manpower Demonstration Corporation (MDRC), June 2004.
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- Burdette, H., and R. Whitaker. "Neighborhood Playgrounds, Fast Food Restaurants, and Crime: Relationships to Overweight in Low-Income Preschool Children," *Preventive Medicine*, Vol. 38, No. 1, January 2004.
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Appendix A: Institutions, Universities, and Government Agencies Awarded FANRP Projects, Fiscal 1998-2005

Institutions

Abt Associates Inc.

ACNielsen

ATMS

Boston Medical Center

Cancer Research Center of Hawaii

Channing Laboratory, Brigham and Woman's Hospital

Child Trends

Children's Hospital Medical Center (Cincinnati)

Committee on National Statistics

Health Systems Research Information Resources, Inc.

IO Solutions

Life Sciences Research Organization

Lewin Group

Macro International

Manpower Demonstration Research Corporation

Mary Imogene Bassett Hospital Mathematica Policy Research, Inc. National Academy of Sciences

National Bureau of Economic Research

National Science Foundation

ORC Macro, Inc.

RAND

Research Triangle Institute, Inc. Resource Network International Rockefeller Institute of Government Society for Nutrition Education

Sphere Institute

United Nations University Centre

Urban Institute

World Health Organization

Universities

Albert Einstein College of Medicine

Auburn University Baylor University Boston University Cornell University

George Washington University

Harvard University Iowa State University Johns Hopkins University Northwestern University Louisiana Tech University Medical College of Georgia Research Institute, Inc.

Middle Tennessee State University North Carolina State University Nova Scotia Agricultural College

Oregon State University Mississippi State University

Syracuse University
Texas A&M University
Tufts University
Tulane University
University of Arizona

University of Baltimore

University of California-Berkeley University of California, Davis

University of Chicago University of Georgia University of Houston

University of Kansas Medical Center

University of Kentucky University of Massachusetts University of Michigan University of Minnesota University of Missouri University of Notre Dame University of North Carolina

University of Nevada University of New Mexico University of Oregon

University of Southern Mississippi

University of Tennessee University of West Virginia University of Wisconsin

Government Agencies

Agricultural Research Service, USDA

Center for Nutrition Policy and Promotion, USDA

Food and Drug Administration Food and Nutrition Service, USDA National Agricultural Library, USDA National Center for Education Statistics,

U.S. Department of Education South Carolina Social Services

U.S. Census Bureau

U.S. Department of Health and Human Services

USDA Graduate School

Virginia Department of Social Services

Appendix B: Peer Reviewers for the Competitive Grant and Cooperative Research Program, Fiscal 2005

Reviewer Institution

Patricia Anderson Dartmouth College, Department of Economics

University of Wisconsin-Madison, Department of Consumer Science Judi Bartfeld

USDA, Center for Nutrition Policy and Promotion Peter Basiotis Middle Tennessee State University, Department of Charles Baum

Economics and Finance

California Department of Health Services Kathleen Bissell-Benabides

Nancy Burstein Abt Associates

Andi Carlson USDA, Center for Nutrition Policy and Promotion

James Chalfant University of California-Davis, Department of Agricultural

and Resource Economics

Sharron Christofar USDA, Food and Nutrition Service

George Davis Texas A&M University, Department of Agricultural Economics

Barbara Devaney Mathematica Policy Research, Inc. Rosemary Downer USDA, Food and Nutrition Service Katherine Fink USDA. Food and Nutrition Service

Mary Kay Fox Independent Consultant

Ed Frongillo, Jr. Cornell University, Division of Nutritional Sciences

Sara Gable University of Missouri, Department of Human Development

and Family Studies

Jenny Genser USDA, Food and Nutrition Service

Duke University, Sanford Institute of Public Policy Christina Gibson-Davis

Mathematica Policy Research, Inc. Phil Gleason Mathematica Policy Research, Inc. Anne Gordon

University of Chicago, Harris School of Public Policy Studies Jeffrey Grogger

Lisa Harnack University of Minnesota, School of Public Health Diane Herz U.S. Department of Labor, Bureau of Labor Statistics Wally Huffman Iowa State University, Department of Economics Erik Hurst University of Chicago, Graduate School of Business

Ted Joyce National Bureau of Economic Research Dean Jolliffe USDA, Economic Research Service

David Just Cornell University, Department of Applied Economics

and Management

Charlene Kalenkoski Ohio University, Department of Economics

USDA, Economic Research Service Phillip Kaufman

Robert King University of Minnesota, Department of Applied Economics Laura Leete Willamette University Center for Public Policy Research

USDA, Food and Nutrition Service Ted Macaluso

Signe-Mary McKernan Urban Institute

Pat McKinney USDA, Food and Nutrition Service

Cynthia Miller **MDRC**

Robert Moffitt Johns Hopkins University, Department of Economics

Chad Meyerhoefer U.S. Department of Health and Human Services, Agency for

Healthcare Research and Quality

University of Cincinnati, College of Medicine **Scott Powers** U.S. Department of Health and Human Services. Jill Reedy

National Cancer Institute

Isabel Rose Marist College, School of Social and Behavioral Sciences University of Minnesota, Department of Applied Economics Ben Senauer

Reviewer

Anna Maria Siega-Riz David Stapleton Paul Strasberg

Fisseha Tegegne Shelly Ver Ploeg Christopher Winship

Institution

University of North Carolina, Department of Nutrition Cornell University, Institute for Policy Research U.S. Department of Education, National Center for Education Evaluation Tennessee State University, Cooperative Agricultural Research USDA, Economic Research Service Harvard University, Department of Sociology