







July 2002

## Community Food Security Assessment Toolkit

By Barbara Cohen, IQ Solutions, Inc.

ERS contacts: Margaret Andrews and Linda Kantor

#### **Abstract**

This report provides a toolkit of standardized measurement tools for assessing various aspects of community food security. It includes a general guide to community assessment and focused materials for examining six basic assessment components related to community food security. These include guides for profiling general community characteristics and community food resources as well as materials for assessing household food security, food resource accessibility, food availability and affordability, and community food production resources. Data collection tools include secondary data sources, focus group guides, and a food store survey instrument. The toolkit was developed through a collaborative process that was initiated at the community Food Security Assessment Conference sponsored by ERS in June 1999. It is designed for use by community-based nonprofit organizations and business groups, local government officials, private citizens, and community planners.

**Keywords:** Community food security, community assessment, hunger, food assistance programs, emergency food providers, food store access, food affordability, Thrifty Food Plan, community-supported agriculture.

This report was prepared by IQ Solutions, Inc., under a research contract from the Economic Research Service. The views expressed are those of the authors and not necessarily those of ERS or USDA.

## **Acknowledgements**

The development of this toolkit relied on the input and insight of many people. To begin with, attendees at the Community Food Security Assessment Conference on June 29 and 30, 1999, volunteered their time during and after the conference. Conferees offered extremely useful ideas regarding the development of assessment tools and the variety of topics to be included. They also commented on several drafts of this document. Although they are too numerous to name individually, the input of this group was invaluable throughout the development of the toolkit.

Elements of the toolkit were based on materials distributed at the conference that were used in the past for community food security assessments by a number of groups from around the country. These groups include Adams County (Colorado) Head Start, California Food Policy Advocates, Community Childhood Hunger Identification Project, Community Food Security Coalition, Detroit Area Food System (Wayne State University), Food Marketing Policy Center (University of Connecticut), Hunger Task Force of Milwaukee, Greater Pittsburgh Community Food Bank, Knoxville Food Policy Council (University of Tennessee), Madison/Dane County Food System (University of Wisconsin-Milwaukee), Northern California Food Systems Alliance, and West Coast Regional Office of Consumers' Union.

Linda Kantor and Margaret Andrews of the Economic Research Service (ERS) played key roles in the planning and review of each of the toolkit sections. Others from ERS who offered reviews of various drafts include David Smallwood, Joanne Guthrie, and Mark Nord. Steven Carlson and Gary Bickel from the Food and Nutrition Service reviewed the final draft. Among outside reviewers, comments received on various drafts from Dorie Seavey, Hugh Joseph, and Michael Hamm were helpful in revising the toolkit. Special thanks go to our summer interns, David Ripplinger and Emily Lieb, who made valuable contributions to the development of the toolkit by testing the food store survey and helping to organize the Community Food Security Assessment Conference.

This effort also benefited from a close collaboration with the Community Assessment Working Group of USDA's Lower Mississippi Delta Nutrition Intervention Research Initiative (Delta NIRI), which has been developing methods and procedures for assessing community food security, nutrition, and health issues in Delta counties/parishes. Materials and experiences were shared regularly with this group, which was chaired by Bernestine B. McGee. Members of the group included Margaret Bogle, Susan Goolsby, Dan Hoyt, Rafida Idris, Edith Neal, Edward Parmer, Ruth Patrick, Alma Thornton, and Kathy Yadrick. Norma Dawkins from the Delta NIRI Focus Group Operations team shared experiences from developing instruments for gathering information on food security and food purchasing behaviors.

Thanks also go to Susan Goolsby, Kathryn Norris, Debra Watkins, and other faculty members and staff of the Center for Applied Research and Evaluation at the Arkansas Children's Hospital Research Institute, who field-tested the focus group guides and food store interview protocols in September 2000. Kadi Row, Judi Bartfeld, and other participants at the Community Food Security Assessment Toolkit Orientation Workshop sponsored by the University of Wisconsin-Extension on June 12, 2001, deserve mention for their role in reviewing and critiquing a nearly final draft of the toolkit.

The toolkit was prepared for ERS under contract #53-3K06-7-9. However, the content of the toolkit does not reflect or represent the views of USDA.			

# **Table of Contents**

### Acknowledgements

1. Int	roduction	1
1.1	Overview of food insecurity and hunger in the United States	2
	What is household food security?	
	What is community food security?	
1.4	Purpose and overview of the Community Food Security Assessment Toolkit	∠
2. Ove	erview of the Assessment Process	- -
	What is a community food security assessment?	
	Why conduct a community food security assessment?	
	Determining your community's information needs	
2.4	Creating a community food security assessment team	10
2.5	The planning process.	11
3. Dat	ta Collection and Analysis Guide	13
	Finding and using data	
	Data collection techniques	
3.3	Beginning the data collection process	17
3.4	Analyzing and interpreting the data	18
3.5	Basic components of a community food security assessment	29
4. Pro	ofile of Community Socioeconomic and Demographic Characteristics	30
	Purpose	
4.2	Analysis	31
4.3	Indicators	31
5. Pro	offile of Community Food Resources	33
	Purpose	
5.2	<u> </u>	
5.3	Indicators	38
6. Ass	sessment of Household Food Security	39
	Purpose	
6.2	Analysis	42
6.3	Indicators	42
7. Ass	sessment of Food Resource Accessibility	43
7.1	•	
7.2	Analysis	
73	Indicators	46

# Table of Contents (continued)

8. Assessment of Food Availability and Affordability	48	
8.1 Purpose		
8.2 Analysis	51	
8.3 Indicators	53	
9. Assessment of Community Food Production Resources		
9.1 Purpose		
9.2 Analysis	56	
9.3 Indicators	56	
10. Glossary	59	
11. References	61	
12. Annotated Bibliography of Community Food Security Assessment Studies	63	
Appendix A. Data Tables and Tips for Developing Them	73	
A.1 Steps To Get You Started When Collecting Existing Data	74	
A.2 Tools for Collecting Socioeconomic and Demographic Data	74	
A.3 Tools for Assembling a Profile of Community Food Resources		
A.4 Tools for Assessing Food Resource Accessibility		
A.5 Tools for Assessing Community Food Production Resources		
Appendix B. Focus Group Guides and Materials	93	
B.1 Steps To Get You Started When Conducting a Focus Group		
B.2 Key Informant Focus Group		
B.3 Focus Group on Household Food Security	103	
B.4 Focus Group on Food Shopping Patterns		
B.5 Focus Group on Household Food Assistance		
B.6 Focus Group on Community Food Production Resources	133	
Appendix C. Food Store Survey Instruments and Materials	136	
C.1 Steps To Get You Started When Conducting a Food Store Survey		
C.2 Survey Preparation Guide		
C.3 Instructions for Data Collection	140	
C.4 Instructions for Data Analysis		
C.5 Food Store Survey Instrument and Materials	154	