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Household Food Security in the United States in 2011

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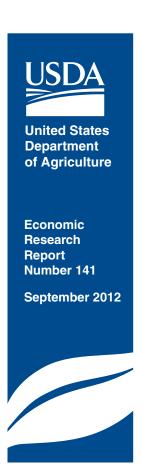
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Household Food Security in the United States in 2011

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Abstract

An estimated 85.1 percent of American households were food secure throughout the entire year in 2011, meaning that they had access at all times to enough food for an active, healthy life for all household members. The remaining households (14.9 percent) were food insecure at least some time during the year, including 5.7 percent with very low food security—meaning that the food intake of one or more household members was reduced and their eating patterns were disrupted at times during the year because the household lacked money and other resources for food. The prevalence rate of very low food security increased from 5.4 percent in 2010, returning to the level observed in 2008 and 2009. The change in food insecurity overall (from 14.5 percent in 2010) was not statistically significant. The typical food-secure household spent 24 percent more on food than the typical food-insecure household of the same size and household composition. Fifty-seven percent of all food-insecure households participated in one or more of the three largest Federal food and nutrition assistance programs during the month prior to the 2011 survey.

Keywords: Food security, food insecurity, food spending, food pantry, soup kitchen, emergency kitchen, material well-being, SNAP, Food Stamp Program, National School Lunch Program, WIC

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Summary

What Is the Issue?

Most U.S. households have consistent, dependable access to enough food for active, healthy living—they are food secure. But a minority of American households experience food insecurity at times during the year, meaning that their access to adequate food is limited by a lack of money and other resources. Food and nutrition assistance programs of the U.S. Department of Agriculture (USDA) increase food security by providing low-income households access to food, a healthful diet, and nutrition education.

USDA also monitors the extent and severity of food insecurity in U.S. households through an annual, nationally representative survey sponsored by USDA's Economic Research Service. Reliable monitoring of food security contributes to the effective operation of the Federal programs as well as private food assistance programs and other government initiatives aimed at reducing food insecurity. This report presents statistics from the survey covering households' food security, food expenditures, and use of food and nutrition assistance programs in 2011.

What Did the Study Find?

The percentage of U.S. households that were food insecure remained essentially unchanged from 2010 to 2011, while the percentage with food insecurity in the severe range—described as very low food security—increased.

- In 2011, 85.1 percent of U.S. households were *food secure* throughout the year. The remaining 14.9 percent (17.9 million households) were *food insecure*. Food-insecure households (those with low and very low food security) had difficulty at some time during the year providing enough food for all their members due to a lack of resources. The change from the 2010 estimate (14.5 percent) was not statistically significant, meaning that the difference may be due to sampling variation.
- In 2011, 5.7 percent of U.S. households (6.8 million households and one-third of all food-insecure households) had *very low food security*. In these households, the food intake of some household members was reduced and normal eating patterns were disrupted at times during the year due to limited resources. The prevalence of very low food security returned to the level observed in 2008 and 2009, a statistically significant increase from the 5.4-percent level of 2010. Increases in the prevalence of very low food security were greatest for women living alone, Black households, and households with annual incomes below 185 percent of the poverty line.
- Children were food insecure at times during the year in 10.0 percent of households with children (3.9 million households), essentially unchanged from 9.8 percent in 2010. These households were unable at times during the year to provide adequate, nutritious food for their children.
- While children are usually shielded from the disrupted eating patterns and reduced food intake that characterize very low food security, both

The prevalence of food insecurity changed little since 2008-09

Percent of households 16 14 Food insecurity 12 10 8 6 Very low food security 4 2 0 2000 01 02 03 04 05 06 07 08 09 10 11

Source: Calculated by USDA, Economic Research Service based on Current Population Survey Food Security Supplement data.

children and adults experienced instances of very low food security in 1.0 percent of households with children (374,000 households) in 2011, unchanged from 2010.

- For households with incomes near or below the Federal poverty line, households with children headed by single women or single men, and Black and Hispanic households, rates of food insecurity were substantially higher than the national average. Food insecurity was more common in large cities and rural areas than in suburban areas and other outlying areas around large cities.
- Typically, households classified as having very low food security experienced the condition in 7 months of the year, for a few days in each of those months.
- The typical food-secure household spent 24 percent more for food than the typical food-insecure household of the same size and composition, including food purchased with Supplemental Nutrition Assistance Program (SNAP) benefits (formerly called food stamps).
- Fifty-seven percent of food-insecure households in the survey reported that in the previous month, they had participated in one or more of the three largest Federal food and nutrition assistance programs.

How Was the Study Conducted?

Data for the ERS food security reports come from an annual survey conducted by the U.S. Census Bureau as a supplement to the monthly Current Population Survey. USDA's Economic Research Service sponsors the annual survey and compiles and analyzes the responses. The 2011 food security survey covered 43,770 households comprising a representative sample of the U.S. civilian population of 119 million households. The food security survey asked one adult respondent in each household a series of questions about experiences and behaviors that indicate food insecurity, such as being unable to afford balanced meals, cutting the size of meals because of too little money for food, or being hungry because of too little money for food. The food security status of the household was assigned based on the number of foodinsecure conditions reported.

Introduction

Since 1995, the U.S. Department of Agriculture has collected information annually on food access and adequacy, food spending, and sources of food assistance for the U.S. population. The information is collected in an annual food security survey, conducted by the U.S. Census Bureau as a supplement to the nationally representative Current Population Survey. A major impetus for this data collection is to provide information about the prevalence and severity of food insecurity in U.S. households. Previous reports in the series are available at: http://www.ers.usda.gov/topics/food-nutrition-assistance/food-security-in-the-us/readings.aspx/.

This report updates the national statistics on food security, household food spending, and the use of Federal food and nutrition assistance by food-insecure households, using data collected in the December 2011 food security survey—the 17th annual survey in the Nation's food security monitoring system. Additional statistics, including the prevalence of food insecurity during the 30 days prior to the food security survey, the frequency of occurrence of food-insecure conditions, and use of food pantries and emergency kitchens, are available online at http://www.ers.usda.gov/publications/administrative-publication/ap-058.aspx/.

¹See http://www.ers.usda.gov/topics/food-nutrition-assistance/foodsecurity-in-the-us/history-background. aspx for the history of the food security measurement project and the development of the food security measures.

Household Food Security

Food security—access by all people at all times to enough food for an active, healthy life—is one of several conditions necessary for a population to be healthy and well nourished. This section provides information on food security and food insecurity in U.S. households over the course of the year ending in December 2011.

Methods

The statistics presented in this report are based on data collected in a supplement to the Current Population Survey (CPS) conducted in December 2011. The CPS currently includes about 53,000 households and is representative, at State and national levels, of the civilian, noninstitutionalized population of the United States. In December 2011, 43,770 households completed the food security supplement; the remainder was unable or unwilling to do so. Survey sample weights were calculated by the U.S. Census Bureau to indicate how many households were represented by each household that responded to the survey.² All statistics in this report were calculated by applying the food security supplement weights to responses by the surveyed households so the statistics are nationally representative.

Unless otherwise noted, statistical differences described in the text are significant at the 90-percent confidence level.³

The household food security statistics presented in this report are based on a measure of food security calculated from responses to a series of questions about conditions and behaviors that characterize households when they are having difficulty meeting basic food needs.⁴ Each question asks whether the condition or behavior occurred at any time during the previous 12 months and specifies a lack of money and other resources to obtain food as the reason. Voluntary fasting or dieting to lose weight is thereby excluded from the measure. The series includes three questions about food conditions of the household as a whole and seven about food conditions of adults in the household and, if there are children present in the household, an additional eight questions about their food conditions (see box, "Questions Used To Assess the Food Security of Households in the CPS Food Security Survey," page 3). Responses to the 18 food security questions are reported in tables S-6 to S-8 of the Statistical Supplement, http://www.ers.usda.gov/publications/administrative-publication/ap-058.aspx/. The food security status of each interviewed household is determined by the number of food-insecure conditions and behaviors the household reports. Households are classified as food secure if they report no food-insecure conditions or if they report only one or two foodinsecure conditions. (Food-insecure conditions are indicated by responses of "often" or "sometimes" to questions 1-3 and 11-13; "almost every month" or "some months but not every month" to questions 5, 10,

²Reweighting of the Supplement takes into consideration income and other information about households that completed the labor-force portion of the survey but not the Food Security Supplement. This corrects, to some extent, biases that could result from nonresponse to the Supplement by households that completed only the labor-force part of the survey.

³Standard errors of estimates, except for State-level estimates, were calculated using balanced repeated replication (BRR) methods based on household replicate weights computed for the CPS food security supplement by the U.S. Census Bureau (see http:// thedataweb.rm.census.gov/ftp/cps_ftp. html#cpsrepwgt). Standard errors of State-level estimates were calculated using jackknife replication methods with "month in sample" groups considered as separate, independent samples (see Nord et al., 1999). Beginning with the 2007 data, the jackknife methods have aggregated data from pairs of month-in-sample groups comprising largely the same households (i.e., month-in-sample group 1 in one year and month-in-sample group 5 in the following year) to account for the nonindependence of these samples.

⁴The methods used to measure the extent and severity of food insecurity have been described in several places (Hamilton et al., 1997a, 1997b; Andrews et al., 1998; Bickel et al., 1998; Carlson et al., 1999; Bickel et al., 2000; Nord and Bickel, 2002). See also the assessment of the measurement methods by a panel of the Committee on National Statistics (National Research Council, 2006). Further details on the development of the measure are provided on the ERS website at: http:// www.ers.usda.gov/topics/food-nutrition-assistance/food-security-in-the-us/ history-background.aspx/.

Questions Used To Assess the Food Security of Households in the CPS Food Security Survey

- 1. "We worried whether our food would run out before we got money to buy more." Was that often, sometimes, or never true for you in the last 12 months?
- 2. "The food that we bought just didn't last and we didn't have money to get more." Was that often, sometimes, or never true for you in the last 12 months?
- 3. "We couldn't afford to eat balanced meals." Was that often, sometimes, or never true for you in the last 12 months?
- 4. In the last 12 months, did you or other adults in the household ever cut the size of your meals or skip meals because there wasn't enough money for food? (Yes/No)
- 5. (If yes to question 4) How often did this happen—almost every month, some months but not every month, or in only 1 or 2 months?
- 6. In the last 12 months, did you ever eat less than you felt you should because there wasn't enough money for food? (Yes/No)
- 7. In the last 12 months, were you ever hungry, but didn't eat, because there wasn't enough money for food? (Yes/No)
- 8. In the last 12 months, did you lose weight because there wasn't enough money for food? (Yes/No)
- 9. In the last 12 months did you or other adults in your household ever not eat for a whole day because there wasn't enough money for food? (Yes/No)
- 10. (If yes to question 9) How often did this happen—almost every month, some months but not every month, or in only 1 or 2 months?

(Questions 11-18 were asked only if the household included children age 0-17)

- 11. "We relied on only a few kinds of low-cost food to feed our children because we were running out of money to buy food." Was that often, sometimes, or never true for you in the last 12 months?
- 12. "We couldn't feed our children a balanced meal, because we couldn't afford that." Was that often, sometimes, or never true for you in the last 12 months?
- 13. "The children were not eating enough because we just couldn't afford enough food." Was that often, sometimes, or never true for you in the last 12 months?
- 14. In the last 12 months, did you ever cut the size of any of the children's meals because there wasn't enough money for food? (Yes/No)
- 15. In the last 12 months, were the children ever hungry but you just couldn't afford more food? (Yes/No)
- 16. In the last 12 months, did any of the children ever skip a meal because there wasn't enough money for food? (Yes/No)
- 17. (If yes to question 16) How often did this happen—almost every month, some months but not every month, or in only 1 or 2 months?
- 18. In the last 12 months did any of the children ever not eat for a whole day because there wasn't enough money for food? (Yes/No)

and 17; and "yes" to the other questions.) They are classified as food insecure if they report three or more food-insecure conditions.⁵

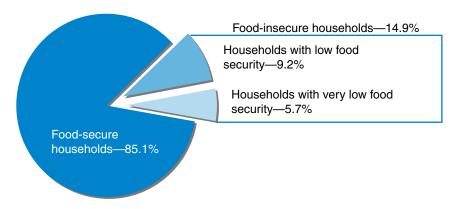
Food-insecure households are further classified as having either *low food security* or *very low food security*.⁶ The very low food security category identifies households in which food intake of one or more members was reduced and eating patterns disrupted because of insufficient money and other resources for food. Households without children are classified as having *very low food security* if they report six or more food-insecure conditions. Households with children are classified as having *very low food security* if they report eight or more food-insecure conditions, including conditions among both adults and children (see box, "What Is 'Very Low Food Security'?" on page 5). They are further classified as having *very low food security among children* if they report five or more food-insecure conditions among the children (that is, if they respond affirmatively to five or more of questions 11-18).

Low and very low food security differ in the extent and character of the adjustments the household makes to its eating patterns and food intake. Households classified as having *low food security* have reported multiple indications of food access problems, but typically have reported few, if any, indications of reduced food intake. Those classified as having *very low food security* have reported multiple indications of reduced food intake and disrupted eating patterns due to inadequate resources for food. In most, but not all households with *very low food security*, the survey respondent reported that he or she was hungry at some time during the year but did not eat because there was not enough money for food.

Prevalence of Food Insecurity—National Conditions and Trends

An estimated 85.1 percent of U.S. households were food secure throughout the entire year in 2011 (fig. 1, table 1A). In concept, "food secure" means that all household members had access at all times to enough food for an active, healthy life (Anderson, 1990).⁷ The remaining 14.9 percent (17.9 million

Figure 1
U.S. households by food security status, 2011



Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

⁵To reduce the burden on higher income respondents, households with incomes above 185 percent of the Federal poverty line that give no indication of food-access problems on either of two preliminary screening questions are deemed to be food secure and are not asked the questions in the food security assessment series. The preliminary screening questions are as follows:

- People do different things when they are running out of money for food in order to make their food or their food money go further. In the last 12 months, since December of last year, did you ever run short of money and try to make your food or your food money go further?
- Which of these statements best describes the food eaten in your household—enough of the kinds of food we want to eat, enough but not always the kinds of food we want to eat, sometimes not enough to eat, or often not enough to eat?

⁶Prior to 2006, households with low food security were described as "food insecure without hunger" and households with very low food security were described as "food insecure with hunger." Changes in these descriptions were made in 2006 at the recommendation of the Committee on National Statistics (National Research Council, 2006), in order to distinguish the physiological state of hunger from indicators of food availability. The criteria by which households were classified remained unchanged.

⁷Food security and insecurity, as measured for this report, are based on respondents' perceptions of whether the household was able to obtain enough food to meet their needs. The measure does not specifically address whether the household members' food intake was sufficient for active, healthy lives. Nonetheless, research based on other surveys has found food security, measured as in this report, to be associated with health, nutrition, and children's development in a manner that generally supports the conceptualized link with sufficiency for active, healthy lives (see, for example, Nord, 2009a; Nord and Hopwood, 2007; Nord and Kantor, 2006).

What Is "Very Low Food Security"?

Very low food security can be characterized in terms of the conditions that households in this category reported in the food security survey (households without children classified as having very low food security reported six or more food-insecure conditions and households with children reported eight or more food-insecure conditions, including conditions among both adults and children). Thus, the defining characteristic of "very low food security" is that, at times during the year, the food intake of household members was reduced and their normal eating patterns were disrupted because the household lacked money and other resources for food. In the 2011 survey, households classified as having very low food security (representing an estimated 6.8 million households nationwide) reported the following specific conditions:

- 99 percent reported having worried that their food would run out before they got money to buy more.
- 97 percent reported that the food they bought just did not last and they did not have money to get more.
- 95 percent reported that they could not afford to eat balanced meals.
- 97 percent reported that an adult had cut the size of meals or skipped meals because there was not enough money for food.
- 91 percent reported that this had occurred in 3 or more months
- 95 percent reported that they had eaten less than they felt they should because there was not enough money for food.
- 65 percent reported that they had been hungry but did not eat because they could not afford enough food.
- 48 percent reported having lost weight because they did not have enough money for food.
- 27 percent reported that an adult did not eat for a whole day because there was not enough money for food.

- 21 percent reported that this had occurred in 3 or more months.
- All households without children reported at least six of these conditions, and 66 percent reported seven or more. (Conditions in households with children were similar, but the reported food-insecure conditions of both adults and children were taken into account.)

Percentage of households reporting each indicator of food insecurity, by food security status, 2011



Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

households) were food insecure at some time during the year. That is, they were, at times, unable to acquire adequate food for one or more household members because they had insufficient money and other resources for food. About two-thirds of food-insecure households avoided substantial reductions or disruptions in food intake, in many cases by relying on a few basic foods and reducing variety in their diets. But 5.7 percent (6.8 million households) had very low food security—that is, they were food insecure to the extent that eating patterns of one or more household members were disrupted and their food intake reduced, at least some time during the year, because they could not afford enough food.

Table 1A

Households and individuals by food security status of household, 1998-2011

			_				nsecure		
Category and year	Total ¹	Food secure		А	All		low ecurity	With very low food security	
	1,000	1,000	Percent	1,000	Percent	1,000	Percent	1,000	Percent
Households:									
2011	119,484	101,631	85.1	17,853	14.9	11,014	9.2	6,839	5.7
2010	118,756	101,527	85.5	17,229	14.5	10,872	9.1	6,357	5.4
2009	118,174	100,820	85.3	17,354	14.7	10,601	9.0	6,753	5.7
2008	117,565	100,416	85.4	17,149	14.6	10,426	8.9	6,723	5.7
2007	117,100	104,089	88.9	13,011	11.1	8,262	7.0	4,749	4.1
2006	115,609	102,961	89.1	12,648	10.9	8,031	6.9	4,617	4.0
2005	114,437	101,851	89.0	12,586	11.0	8,158	7.1	4,428	3.9
2004	112,967	99,473	88.1	13,494	11.9	9,045	8.0	4,449	3.9
2003	112,214	99,631	88.8	12,583	11.2	8,663	7.7	3,920	3.5
2002	108,601	96,543	88.9	12,058	11.1	8,259	7.6	3,799	3.5
2001	107,824	96,303	89.3	11,521	10.7	8,010	7.4	3,511	3.3
2000	106,043	94,942	89.5	11,101	10.5	7,786	7.3	3,315	3.1
1999	104,684	94,154	89.9	10,529	10.1	7,420	7.1	3,109	3.0
1998	103,309	91,121	88.2	12,188	11.8	8,353	8.1	3,835	3.7
All individuals	,					0,000	0	3,333	0
2011	305,893	255,773	83.6	50,120	16.4	33,232	10.9	16,888	5.5
2010	304,034	255,202	83.9	48,832	16.1	32,777	10.8	16,055	5.3
2009	301,750	251,588	83.4	50,162	16.6	32,499	10.8	17,663	5.9
2008	299,567	250,459	83.6	49,108	16.4	31,824	10.6	17,284	5.8
2007	297,042	260,813	87.8	36,229	12.2	24,287	8.2	11,942	4.0
2006	294,010	258,495	87.9	35,515	12.1	24,395	8.3	11,120	3.8
2005	291,501	256,373	87.9	35,128	12.1	24,349	8.4	10,779	3.7
2004	288,603	250,407	86.8	38,196	13.2	27,535	9.5	10,773	3.7
2003	286,410	250,155	87.3	36,255	12.7	26,622	9.3	9,633	3.4
2002	279,035	244,133	87.5	34,902	12.7	25,517	9.1	9,385	3.4
2002	276,661	243,019	87.8	33,642	12.2	24,628	8.9	9,014	3.3
2000	273,685	240,454	87.9	33,231	12.2	24,708	9.0	8,523	3.1
1999	273,003	239,304	88.5	31,015	11.5	23,237	8.6	7,779	2.9
1999	268,366		86.5						
	200,300 d security sta	232,219		36,147	13.5	26,290	9.8	9,857	3.7
2011	231,385	197,923	85.5	33,462	14.5	21,371	9.2	12,091	5.2
2010		196,505	85.8	32,624	14.2	21,357	9.3	11,267	4.9
2009	227,543	190,503	85.5	32,964	14.5	20,741	9.1	12,223	5.4
2008	225,461	193,026	85.6	32,435	14.4	20,320	9.0	12,115	5.4
2007	223,467	199,672	89.4	23,795	10.6	15,602	7.0	8,193	3.7
2006	220,423	197,536	89.6	22,887	10.4	15,193	6.9	7,694	3.5
2005	217,897	195,172	89.6	22,725	10.4	15,146	7.0	7,579	3.5
2004	215,564	191,236	88.7	24,328	11.3	16,946	7.9	7,382	3.4
2003	213,441	190,451	89.2	22,990	10.8	16,358	7.7	6,632	3.1
2002	206,493	184,718	89.5	21,775	10.5	15,486	7.5	6,289	3.0
2001	204,340	183,398	89.8	20,942	10.2	14,879	7.3	6,063	3.0
2000	201,922	181,586	89.9	20,336	10.1	14,763	7.3	5,573	2.8
1999	198,900	179,960	90.5	18,941	9.5	13,869	7.0	5,072	2.5
1998	197,084	174,964		22,120		15,632	7.9	6,488	3.3

¹Totals exclude households for which food security status is unknown because they did not give a valid response to any of the questions in the food security scale. In 2011, these exclusions represented 405,000 households (0.3 percent of all households).

Sources: Calculated by USDA, Economic Research Service using Current Population Survey Food Security Supplement data.

²The food security survey measures food security status at the household level. Not all individuals residing in food-insecure households were directly affected by the households' food insecurity. Similarly, not all individuals in households classified as having very low food security were subject to the reductions in food intake and disruptions in eating patterns that characterize this condition. Young children, in particular, are often protected from effects of the households' food insecurity.

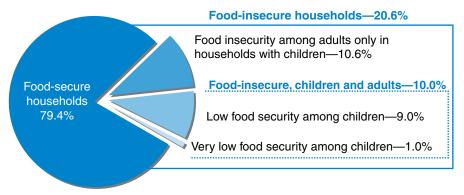
Among U.S. households with children under age 18, 79.4 percent were food secure in 2011. In 10.6 percent, only adults were food insecure (fig. 2). Both children and adults were food insecure in 10.0 percent of households with children (3.9 million households), and in about 1.0 percent (374,000 households), one or more child was also subject to reduced food intake and disrupted eating patterns at some time during the year (table 1B). In some households with very low food security among children, only older children may have experienced the more severe effects of food insecurity while younger children were protected from those effects (Nord, 2009a).

When interpreting food security statistics in this report, it is important to keep in mind that households were classified as having low or very low food security if they experienced the condition at any time during the previous 12 months. The prevalence of these conditions on any given day is far below the corresponding annual prevalence. For example, the prevalence of very low food security on an average day during the 30-day period prior to the December 2011 survey is estimated to have been between 0.8 and 1.1 percent of households (1.0 million to 1.3 million households; see box, "When Food Insecurity Occurs in U.S. Households, It Is Usually Recurrent But Not Chronic," on page 9). Children, along with adults, experienced very low food security in an estimated 48,000 to 68,000 households (0.12 to 0.17 percent of all U.S. households with children) on an average day during the same period.

The prevalence of food insecurity was essentially unchanged from 2010 to 2011. That is, the change from 2010 was within the range that could have resulted from sampling variation. Over the previous decade, food insecurity had increased from 10.5 percent in 2000 to nearly 12 percent in 2004, declined to 11 percent in 2005-07, then increased to its current level in 2008 (14.6 percent) and remained essentially unchanged at that level in 2009 and 2010 (fig. 3).8

The prevalence of very low food security increased from 5.4 percent in 2010 to 5.7 percent in 2011, returning to the level observed in 2008 and 2009. Prior to that, the prevalence of very low food security had increased from about 3 percent in 2000 to 4 percent in 2004, and remained essentially unchanged through 2007.

Figure 2
U.S. households with children by food security status of adults and children, 2011



Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

year in screening procedures used to reduce respondent burden in the food security survey interviews, prevalence statistics calculated from the 1996 and 1997 data are not directly comparable with those for other years. The values presented in figure 3 for 1996 and 1997 are adjusted for the estimated effects of the differences in screening so as to be comparable with the statistics for other years. Screening procedures have remained essentially unchanged since 1998, and the procedures used in 1995 differed negligibly from those in 1998 and later years. See Andrews et al. (2000) and Ohls et al. (2001) for detailed information about questionnaire screening and adjustments for comparability. From 1995 to 2000, the prevalence rates reflected an overall decline in food insecurity but also a 2-year cyclical component that was associated with data collection schedules (Cohen et al., 2002). The CPS food security surveys over that period alternated between April in odd-numbered years and August or September in even-numbered years. The measured prevalence of food insecurity was higher in the August/September collections, suggesting a seasonal response effect. Since 2001, the survey has been conducted in early December, which avoids further problems of seasonality effects in interpreting annual changes. A smaller food security survey was also conducted in April 2001 to provide a baseline for assessing seasonal effects of data collection in December. Comparison of food security statistics from the April 2001 survey with those from April 1999 and December 2001 suggest that seasonal effects in early December were similar to those in April (Nord et al., 2002).

⁸Because of changes from year to

Table 1B

Households with children by food security status, and children by food security status of household, 1998-2011

Category Total ¹		Food-secure households		Food-insecure households ²		Households with food-insecure children ³		Households with very low food security among children	
	1,000	1,000	Percent	1,000	Percent	1,000	Percent	1,000	Percent
Households w	vith children:								
2011	38,803	30,814	79.4	7,989	20.6	3,862	10.0	374	1.0
2010	39,419	31,447	79.8	7,972	20.2	3,861	9.8	386	1.0
2009	39,525	31,114	78.7	8,411	21.3	4,208	10.6	469	1.2
2008	39,699	31,364	79.0	8,335	21.0	4,361	11.0	506	1.3
2007	39,390	33,160	84.2	6,230	15.8	3,273	8.3	323	.8
2006	39,436	33,279	84.4	6,157	15.6	3,312	8.4	221	.6
2005	39,601	33,404	84.4	6,197	15.6	3,244	8.2	270	.7
2004	39,990	32,967	82.4	7,023	17.6	3,808	9.5	274	.7
2003	40,286	33,575	83.3	6,711	16.7	3,606	9.0	207	.5
2002	38,647	32,267	83.5	6,380	16.5	3,456	8.9	265	.7
2001	38,330	32,141	83.9	6,189	16.1	3,225	8.4	211	.6
2000	38,113	31,942	83.8	6,171	16.2	3,282	8.6	255	.7
1999	37,884	32,290	85.2	5,594	14.8	3,089	8.2	219	.6
1998	38,036	31,335	82.4	6,701	17.6	3,627	9.5	331	.9
Children (by fo	ood security s	tatus of hous	sehold): ⁴						
2011	74,508	57,850	77.6	16,658	22.4	8,565	11.5	845	1.1
2010	74,905	58,697	78.4	16,208	21.6	8,458	11.3	976	1.3
2009	74,207	57,010	76.8	17,197	23.2	8,957	12.1	988	1.3
2008	74,106	57,433	77.5	16,673	22.5	9,098	12.3	1,077	1.5
2007	73,575	61,140	83.1	12,435	16.9	6,766	9.2	691	.9
2006	73,587	60,959	82.8	12,628	17.2	7,065	9.6	430	.6
2005	73,604	61,201	83.1	12,403	16.9	6,718	9.1	606	.8
2004	73,039	59,171	81.0	13,868	19.0	7,823	10.7	545	.7
2003	72,969	59,704	81.8	13,265	18.2	7,388	10.1	420	.6
2002	72,542	59,415	81.9	13,127	18.1	7,397	10.2	567	.8
2001	72,321	59,620	82.4	12,701	17.6	6,866	9.5	467	.6
2000	71,763	58,867	82.0	12,896	18.0	7,018	9.8	562	.8
1999	71,418	59,344	83.1	12,074	16.9	6,996	9.8	511	.7
1998	71,282	57,255	80.3	14,027	19.7	7,840	11.0	716	1.0

¹Totals exclude households for which food security status is unknown because they did not give a valid response to any of the questions in the food security scale. In 2011, these exclusions represented 154,000 households (0.4 percent of all households with children).

Sources: Calculated by USDA, Economic Research Service using Current Population Survey Food Security Supplement data.

Prevalence of Food Insecurity by Selected Household Characteristics

The prevalence of food insecurity varied considerably among households with different demographic and economic characteristics (table 2). Food insecurity was strongly associated with income. For example, 41.1 percent of households with incomes below the official poverty line were food insecure, compared with 7.0 percent of those with incomes above 185 percent of the poverty line. Differences in food security across demographic and

²Food-insecure households are those with low or very low food security among adults or children or both.

³Households with food-insecure children are those with low or very low food security among children.

⁴The food security survey measures food security status at the household level. Not all children residing in food-insecure households were directly affected by the households' food insecurity. Similarly, not all children in households classified as having very low food security among children were subject to the reductions in food intake and disruptions in eating patterns that characterize this condition. Young children, in particular, are often protected from effects of the households' food insecurity.

⁹The Federal poverty line was \$22,811 for a family of four in 2011.

When Food Insecurity Occurs in U.S. Households, It Is Usually Recurrent But Not Chronic

When households experience very low food security in the United States, the resulting instances of reduced food intake and disrupted eating patterns are usually occasional or episodic but are not usually chronic. The food security measurement methods used in this report are designed to register these occasional or episodic occurrences. The questions used to assess households' food security status ask whether a condition, experience, or behavior occurred at any time in the past 12 months, and households can be classified as having very low food security based on a single, severe episode during the year. It is important to keep this aspect of the scale in mind when interpreting food insecurity statistics. Analyses of additional information collected in the food security survey on how frequently various food-insecure conditions occurred during the year, whether they occurred during the 30 days prior to the survey, and, if so, in how many days, provide insight into the frequency and duration of food insecurity in U.S. households. These analyses reveal that in 2011:

- About one-fourth of the households with very low food security at any time during the year experienced the associated conditions rarely or occasionally—in only 1 or 2 months of the year. For three-fourths of households, the conditions were recurring, experienced in 3 or more months of the year.
- For about one-fourth of food-insecure households and one-third of those with very low food security, occurrence of the associated conditions was frequent or chronic. That is, the conditions occurred often, or in almost every month.
- On average, households that were food insecure at some time during the year were food insecure in 7 months during the year (see Statistical Supplement table S-5, http://www.ers.usda.gov/publications/ap-administrative-publication/ap-058). During the 30-day period ending in mid-December 2011, 10.1 million households (8.4 percent of all households) were food insecure—about 56 percent of the number that were food insecure at any time during the year.
- Similarly, households with very low food security at some time during the year experienced the associated conditions, on average, in 7 months during the year (see Statistical Supplement table S-5, http://www.ers.usda. gov/publications/ap-administrative-publication/ap-058). During the 30-day period ending in mid-December 2011, 4.0 million households (3.4 percent of all households) had very low food security—about 59 percent of the number with very low food security at some during the year.

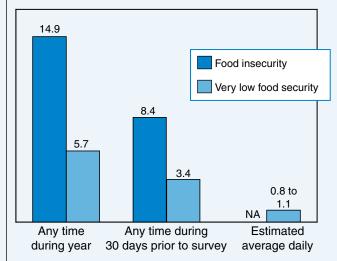
- Most households that had very low food security at some time during a month experienced the associated conditions in 1 to 7 days of the month. The average daily prevalence of very low food security during the 30-day period ending in mid-December 2011 was probably between 1.0 million and 1.3 million households (0.8 to 1.1 percent of all households)—about 15 to 20 percent of the annual prevalence.
- The daily prevalence of very low food security among children during the 30-day period ending in early December 2011 was probably between 48,000 and 68,000 households (0.12 to 0.17 percent of households with children)—about 13 to 18 percent of the annual prevalence.

The omission of homeless families and individuals from these daily statistics biases the statistics downward, and the bias may be substantial relative to the estimates, especially for the most severe conditions.

(Statistical Supplement tables S-8 to S-10 (http://www.ers. usda.gov/publications/ap-administrative-publication/ap-058) provide information on how often conditions indicating food insecurity occurred, as reported by respondents to the December 2011 food security survey. See Nord et al., 2000, for more information about the frequency of food insecurity.)

Prevalence of food insecurity and very low food security, by reference period

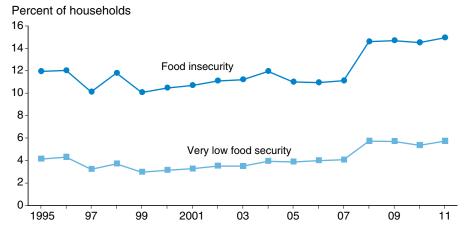
Percent of households



NA = Estimated average daily occurrence of food insecurity is not available because information was not collected on the number of days that less severe food-insecure conditions occurred.

Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

Figure 3
Trends in the prevalence of food insecurity and very low food security in U.S. households, 1995-2011¹



¹Prevalence rates for 1996 and 1997 were adjusted for the estimated effects of differences in data collection screening protocols used in those years.

Source: Calculated by USDA, Economic Research Service based on Current Population Survey Food Security Supplement data.

geographic groups reflect, in part, differences in income across those groups, as no adjustment is made for income in the statistics presented in this report.

Rates of food insecurity were below the national average of 14.9 percent for married-couple families with children (13.9 percent), households with more than one adult and no children (9.9 percent), and households with elderly persons (8.4 percent). The prevalence of food insecurity was also below the national average for White, non-Hispanic households (11.4 percent), households headed by non-Hispanics of other, or multiple, races (12.7 percent), and households with incomes above 185 percent of the poverty line (7.0 percent).

Rates of food insecurity were higher than the national average for the following groups:

- All households with children (20.6 percent)¹¹
- Households with children under age 6 (21.9 percent)
- Households with children headed by a single woman (36.8 percent) or a single man (24.9 percent)¹²
- Black, non-Hispanic households (25.1 percent) and Hispanic households (26.2 percent)
- Low-income households with incomes below 185 percent of the poverty threshold (34.5 percent)

Across the metropolitan area classifications, the prevalence of food insecurity was highest for households located in principal cities of metropolitan areas (17.7 percent), intermediate for those in nonmetropolitan areas (15.4 percent), and lowest in suburbs and other metropolitan areas outside principal cities (13.2 percent). Regionally, the prevalence of food insecurity was higher in the South (16.0 percent) and West (15.8 percent) than in the Midwest (13.5 percent) and Northeast (13.5 percent).

¹⁰"Elderly" in this report refers to persons age 65 and older.

¹¹About 40 percent of the difference in food insecurity between households with and without children results from a difference in the measures applied to the two types of households. Responses to questions about children as well as adults are considered in assessing the food security status of households with children, but for both types of households, a total of three indications of food insecurity is required for classification as food insecure. Even with the child-referenced questions omitted from the scale, however, 17.2 percent of households with children would be classified as food insecure (that is, as having food insecurity among adults), compared with 12.2 percent for households without children. Comparisons of very low food security are not biased substantially by this measurement issue because a higher threshold is applied to households with children consistent with the larger number of questions taken into consideration.

¹²Some households with children headed by a single woman or a single man as classified for these analyses included other adults, who may have been parents, siblings, cohabiting partners, children, or other relatives of the reference person or unrelated roomers or boarders.

¹³Revised metropolitan statistical areas (MSAs) and principal cities within them were delineated by the Office of Management and Budget in 2003, based on revised standards developed by the U.S. Census Bureau in collaboration with other Federal agencies. Food security prevalence statistics by area of residence are comparable with those for 2004 and later years, but are not precisely comparable with those for earlier years. Principal cities include the incorporated areas of the largest city in each MSA and other cities in the MSA that meet specified criteria based on population size and commuting patterns.

Table 2
Households by food security status and selected household characteristics, 2011

				Food insecure					
Category	Total ¹	Total ¹ Food secure		,	All		n low security	With very low food security	
	1,000	1,000	Percent	1,000	Percent	1,000	Percent	1,000	Percent
All households	119,484	101,631	85.1	17,853	14.9	11,014	9.2	6,839	5.7
Household composition:									
With children < 18 yrs	38,803	30,814	79.4	7,989	20.6	5,750	14.8	2,239	5.8
With children < 6 yrs	17,281	13,494	78.1	3,787	21.9	2,884	16.7	903	5.2
Married-couple families	25,421	21,879	86.1	3,542	13.9	2,671	10.5	871	3.4
Female head, no spouse	9,690	6,124	63.2	3,566	36.8	2,452	25.3	1,114	11.5
Male head, no spouse	3,055	2,295	75.1	760	24.9	532	17.4	228	7.5
Other household with child ²	638	517	81.0	121	19.0	96	15.0	25	3.9
With no children < 18 yrs	80,681	70,817	87.8	9,864	12.2	5,264	6.5	4,600	5.7
More than one adult	47,863	43,103	90.1	4,760	9.9	2,778	5.8	1,982	4.1
Women living alone	18,021	15,205	84.4	2,816	15.6	1,387	7.7	1,429	7.9
Men living alone	14,796	12,508	84.5	2,288	15.5	1,099	7.4	1,189	8.0
With elderly	30,099	27,579	91.6	2,520	8.4	1,589	5.3	931	3.1
Elderly living alone	11,402	10,400	91.2	1,002	8.8	579	5.1	423	3.7
Race/ethnicity of households:									
White, non-Hispanic	83,304	73,823	88.6	9,481	11.4	5,689	6.8	3,792	4.6
Black, non-Hispanic	14,765	11,066	74.9	3,699	25.1	2,155	14.6	1,544	10.5
Hispanic ³	14,410	10,629	73.8	3,781	26.2	2,583	17.9	1,198	8.3
Other	7,005	6,113	87.3	892	12.7	587	8.4	305	4.4
Household income-to-poverty r									
Under 1.00	15,557	9,164	58.9	6,393	41.1	3,616	23.2	2,777	17.9
Under 1.30	22,168	13,825	62.4	8,343	37.6	4,763	21.5	3,580	16.1
Under 1.85	31,437	20,593	65.5	10,844	34.5	6,376	20.3	4,468	14.2
1.85 and over	62,244	57,888	93.0	4,356	7.0	2,938	4.7	1,418	2.3
Income unknown	25,802	23,149	89.7	2,653	10.3	1,700	6.6	953	3.7
Area of residence:4									
Inside metropolitan area	99,835	84,999	85.1	14,836	14.9	9,163	9.2	5,673	5.7
In principal cities ⁵	33,515	27,597	82.3	5,918	17.7	3,646	10.9	2,272	6.8
Not in principal cities	49,253	42,770	86.8	6,483	13.2	4,013	8.1	2,470	5.0
Outside metropolitan area	19,649	16,632	84.6	3,017	15.4	1,851	9.4	1,166	5.9
Census geographic region:									
Northeast	21,650	18,736	86.5	2,914	13.5	1,777	8.2	1,137	5.3
Midwest	26,359	22,798	86.5	3,561	13.5	2,141	8.1	1,420	5.4
South	44,772	37,618	84.0	7,154	16.0	4,431	9.9	2,723	6.1
West	26,703	22,478	84.2	4,225	15.8	2,665	10.0	1,560	5.8

¹Totals exclude households for which food security status is unknown because they did not give a valid response to any of the questions in the food security scale. In 2011, these exclusions represented 405,000 households (0.3 percent of all households).

²Households with children in complex living arrangements, e.g., children of other relatives or unrelated roommate or boarder.

³Hispanics may be of any race.

⁴Metropolitan area residence is based on 2003 Office of Management and Budget delineation.

⁵Households within incorporated areas of the largest cities in each metropolitan area. Residence inside or outside of principal cities is not identified for about 17 percent of households in metropolitan statistical areas.

Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

The prevalence of very low food security in various types of households followed a pattern similar to that observed for food insecurity. Percentages were lower than the national average of 5.7 percent for married couples with children (3.4 percent); multiple-adult households with no children (4.1 percent); households with elderly persons (3.1 percent); White, non-Hispanic households (4.6 percent); households headed by non-Hispanics of other races (4.4 percent); households with incomes above 185 percent of the poverty line (2.3 percent); and households residing outside principal cities within metropolitan areas (5.0 percent).

Very low food security was more prevalent than the national average (5.7 percent) for the following groups:

- Households with children headed by a single woman (11.5 percent) or a single man (7.5 percent)
- Women living alone (7.9 percent) and men living alone (8.0 percent)
- Black, non-Hispanic households (10.5 percent) and Hispanic households (8.3 percent)
- Households with incomes below 185 percent of the poverty line (14.2 percent)
- Households located in principal cities of metropolitan areas (6.8 percent).

In 10.0 percent of households with children, one or more child was food insecure (table 3). ¹⁴ The percentage of households with food-insecure children was lowest in married-couple households (6.3 percent); White, non-Hispanic households (6.7 percent); households with incomes above 185 percent of the poverty line (3.1 percent); metropolitan households located outside of principal cities (8.8 percent); and households in the Northeast (8.5 percent) and Midwest (8.0 percent). The percentage of households with food-insecure children was highest for female-headed households (18.9 percent); male-headed households (12.1 percent); Black, non-Hispanic households (14.6 percent); Hispanic households (17.4 percent); households with incomes below 185 percent of the poverty line (20.8 percent); households within principal cities of metropolitan areas (12.0 percent); and households in the West (11.6 percent).

Very low food security among children was least prevalent in married-couple households; White, non-Hispanic households; and households with incomes above 185 percent of the poverty line. Very low food security among children was most prevalent in households headed by a single woman (1.8 percent); households headed by a Black, non-Hispanic person (1.9 percent) or Hispanic person (1.9 percent); and households with incomes below 185 percent of the poverty line (2.2 percent).

Prevalence rates of food insecurity remained essentially unchanged from 2010 to 2011 in most categories analyzed (fig. 4). That is, the differences in the estimates could have resulted from sampling variation. However, the prevalence of food insecurity increased among women living alone and households headed by non-Hispanic Whites.

The prevalence of very low food insecurity increased in some household categories from 2010 to 2011 and remained essentially unchanged in the rest (fig. 5).

¹⁴Households are classified as having food insecurity among children if they report two or more food-insecure conditions among children in response to questions 11-18 in box on page 3 (Nord, 2009a).

Table 3

Prevalence of food security and food insecurity in households with children by selected household characteristics, 2011

Category	Total ¹	Food-s house			nsecure eholds ²	food-ir	olds with nsecure dren ³	low food	ds with very d security children
	1,000	1,000	Percent	1,000	Percent	1,000	Percent	1,000	Percent
All households with children	38,803	30,814	79.4	7,989	20.6	3,862	10.0	374	1.0
Household composition:									
With children < 6 yrs	17,281	13,494	78.1	3,787	21.9	1,668	9.7	123	.7
Married-couple families	25,421	21,879	86.1	3,542	13.9	1,612	6.3	164	.6
Female head, no spouse	9,690	6,124	63.2	3,566	36.8	1,832	18.9	177	1.8
Male head, no spouse	3,055	2,296	75.2	759	24.8	371	12.1	NA	NA
Other household with child ⁴	638	517	81.0	121	19.0	46	7.2	NA	NA
Race/ethnicity of households:									
White, non-Hispanic	23,274	19,655	84.5	3,619	15.5	1,552	6.7	121	.5
Black, non-Hispanic	5,284	3,742	70.8	1,542	29.2	769	14.6	98	1.9
Hispanic ⁵	7,447	5,045	67.7	2,402	32.3	1,294	17.4	138	1.9
Other	2,799	2,373	84.8	426	15.2	247	8.8	NA	NA
Household income-to-poverty ra	atio:								
Under 1.00	7,090	3,882	54.8	3,208	45.2	1,711	24.1	199	2.8
Under 1.30	9,278	5,240	56.5	4,038	43.5	2,122	22.9	251	2.7
Under 1.85	13,086	7,816	59.7	5,270	40.3	2,724	20.8	290	2.2
1.85 and over	18,986	17,469	92.0	1,517	8.0	588	3.1	36	.2
Income unknown	6,731	5,530	82.2	1,201	17.8	549	8.2	47	.7
Area of residence:6									
Inside metropolitan area	32,915	26,224	79.7	6,691	20.3	3,248	9.9	327	1.0
In principal cities ⁷	10,400	7,883	75.8	2,517	24.2	1,247	12.0	129	1.2
Not in principal cities	17,066	14,004	82.1	3,062	17.9	1,502	8.8	154	.9
Outside metropolitan area	5,888	4,590	78.0	1,298	22.0	613	10.4	46	.8
Census geographic region:									
Northeast	6,797	5,538	81.5	1,259	18.5	580	8.5	56	.8
Midwest	8,262	6,835	82.7	1,427	17.3	657	8.0	66	.8
South	14,454	11,289	78.1	3,165	21.9	1,549	10.7	189	1.3
West	9,290	7,153	77.0	2,137	23.0	1,076	11.6	63	0.7

NA = Not reported; fewer than 10 households in the survey with this characteristic had very low food security among children.

Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

¹Totals exclude households for which food security status is unknown because they did not give a valid response to any of the questions in the food security scale. In 2011, these exclusions represented 154,000 households with children (0.4 percent of all households with children).

²Food-insecure households are those with low or very low food security among adults or children or both.

³Households with food-insecure children are those with low or very low food security among children.

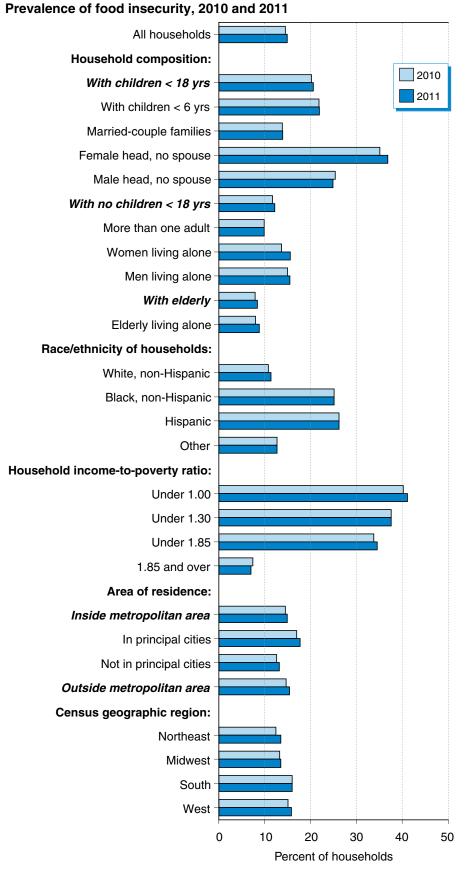
⁴Households with children in complex living arrangements, e.g., children of other relatives or unrelated roommate or boarder.

⁵Hispanics may be of any race.

⁶Metropolitan area residence is based on 2003 Office of Management and Budget delineation.

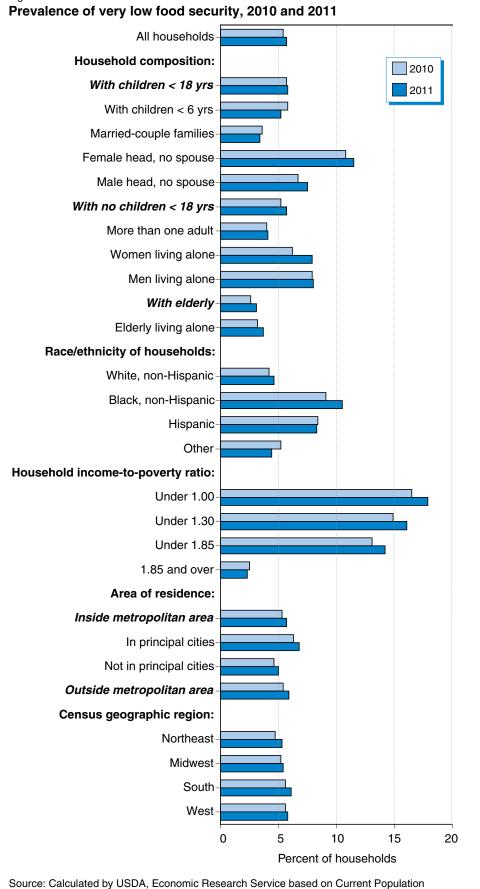
⁷Households within incorporated areas of the largest cities in each metropolitan area. Residence inside or outside of principal cities is not identified for about 17 percent of households in metropolitan statistical areas.

Figure 4



Source: Calculated by USDA, Economic Research Service based on Current Population Survey Food Security Supplement data.

Figure 5



Survey Food Security Supplement data.

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Increases were statistically significant for women living alone; households with elderly members; White, non-Hispanic households; Black, non-Hispanic households; and households with incomes below 185 percent of the poverty line.

Number of Persons by Household Food Security Status

The food security survey is designed to measure food security status at the household level. While it is informative to examine the number of persons residing in food-insecure households, these statistics should be interpreted carefully. Within a food-insecure household, each household member may be affected differently by the household's food insecurity. Some members—particularly young children—may experience only mild effects or none at all, while adults are more severely affected. It is more precise, therefore, to describe these statistics as representing "persons living in food-insecure households" rather than as representing "food-insecure persons." Similarly, "persons living in households with very low food security" is a more precise description than "persons with very low food security."

In 2011, 50.1 million people lived in food-insecure households (see table 1A). They constituted 16.4 percent of the U.S. civilian noninstitutionalized population and included 33.5 million adults and 16.7 million children (see table 1B). About 8.6 million children (11.5 percent) lived in households in which one or more child was food insecure. About 12.1 million adults (5.2 percent) lived in households with very low food security (see table 1A), and 845,000 children (1.1 percent) lived in households with very low food security among children (see table 1B).

Statistical Supplement tables S-2 and S-3 present estimates of the number of people and the number of children in households in each food security status and household type (http://www.ers.usda.gov/publications/administrative-publication/ap-058.aspx).

Prevalence of Food Insecurity by State

The prevalence of food insecurity varied considerably from State to State. Data from 3 years, 2009-11, were combined to provide more reliable statistics at the State level (table 4). Estimated prevalence of food insecurity during this 3-year period ranged from 7.8 percent in North Dakota to 19.2 percent in Arkansas and Mississippi; estimated prevalence rates of very low food security ranged from 3.1 percent in North Dakota to 7.6 percent in Arkansas.

The margins of error for the State prevalence rates should be taken into consideration when interpreting these statistics and especially when comparing prevalence rates across States. The margin of error reflects sampling variation—the uncertainty associated with estimates that are based on information from a limited number of households in each State. The margins of error presented in table 4 indicate the range (above or below the estimated prevalence rate) that is 90 percent likely to include the true prevalence rate. For example, considering the margins of error, it is not certain that the prevalence of very low food security was higher in Arkansas than in the States with the next 16 highest prevalence rates.

Table 4

Prevalence of household-level food insecurity and very low food security by State, average 2009-11¹

Number Number Percent Percen		Number of	households		nsecurity ow food security)	Very low	food security
U.S. 118,805,000 133,589 14.7 0.25 5.6 AK 257,000 1,738 13.9 1.85 4.8 AL 1,798,000 1.519 18.2° 2.11 7.1° ARR 1,186,000 1.527 19.2° 2.13 7.6° AZ 2.575,000 1.621 15.8 14.5 6.2 CA 12,992,000 2,9885 13.4 15.7 5.4 CT 1.349,000 2.893 11.9° 82 4.7 DC 297,000 2.893 11.9° 82 4.7 DC 297,000 2.103 12.6° 17.70 4.4° DE 347,000 2.703 12.6° 17.70 4.4° DE 347,000 2.703 12.6° 17.70 4.4° DE 347,000 2.787 71.4° 2.00 6.4 HI 443,000 1.802 13.8 1.19 5.6 AA 1.19 5.6 AA 1.294,000 1.551 13.7 1.48 5.0 IL 4.941,000 1.551 13.7 1.48 5.0 IL 4.941,000 1.551 13.7 1.48 5.0 IL 4.941,000 4.120 13.3° 1.00 4.5° IN 2.515,000 2.137 13.2° 1.93 5.4 KS 1.151,000 2.112 14.5 1.75 5.2 KY 1.789,000 2.129 16.4 1.85 6.6° LA 1.819,000 2.129 16.4 1.85 6.6° LA 1.819,000 2.129 16.4 1.55 6.6° LA 1.819,000 2.122 14.5 1.75 5.2 KY 1.789,000 2.129 16.4 1.55 6.6° LA 1.819,000 2.988 12.5° 1.45 1.55 6.6° LA 1.819,000 2.988 12.5° 1.46 5.6° LA 1.819,000 2.988 12.5° 1.46 5.6° LA 1.819,000 3.207 14.2 1.15 5.6° LA 1.809,000 3.207 14.2 1.15 5.6° LA 1.809,000 3.207 14.2 1.15 5.6° LA 1.809,000 3.207 14.2 1.15 5	ates		Interviewed	Prevalence	Margin of error ³	Prevalence	Margin of error ³
AK		Number	Number	Percent		Percent	Percentage points
AL 1,798,000 1,519 18.2° 2.11 7.1° AR 1,186,000 1,527 19.2° 2.13 7.6° AZ 2,575,000 1,621 15.8 1.45 6.2° CA 12,992,000 9,988 16.2° 76 5.8 CO 2,054,000 2,885 13.4 1.57 5.4 CT 1,349,000 2,893 11.9° 82 4.7 DC 297,000 2,103 12.6° 1.70 4.4° DE 347,000 2,003 10.9° 1.29 4.3° FL 7,627,000 5,130 15.4 68 6.3° GA 3,786,000 2,787 17.4° 2.00 6.4 HI 443,000 1,800 13.8 1.19 5.6 IA 1,236,000 2,557 12.0° 1.04 4.7° ID 578,000 1,551 13.7 1.48 5.0° II 4,941,000 1,551 13.7 1.48 5.0° II 4,941,000 2,112 14.5 1.76 5.2° KY 1,789,000 1,737 14.1 1.55 4.4° KS 1,151,000 2,112 14.5 1.76 5.2° KY 1,789,000 1,371 14.1 1.55 4.4° MD 2,229,000 2,988 12.5° 1.46 5.6° MA 2,570,000 2,688 14.7 1.53 6.5° MI 3,855,000 3,207 14.2 1.15 5.6° MI 3,855,000 3,207 14.2 1.15 5.6° MM 3,855,000 3,207 14.2 1.15 5.6° MM 3,855,000 3,207 14.2 1.15 5.6° MM 2,448,000 2,286 17.1° MS 1,105,000 1,285 19.2° 1.84 4.3° MO 2,436,000 2,280 17.1° MS 1,105,000 1,285 19.2° 1.84 7.1° MS 1,105,000 1,285 19.2° 1.81 7.1° MS 1,105,000 1,285 19.2° 1.81 7.1° MS 1,105,000 1,285 19.2° 1.81 7.1° MN 2,148,000 2,299,96° 1.01 4.0° MN 8,70,000 1,911 7.8° 1.30 3.1° MN 4,477,000 1,901 7.8° 1.30 3.1° MN 4,577,000 3,821 15.5 1.50 6.4° MN 8,770,000 2,985 13.3 1.92 4.9° MN 1,002,000 1,971 15.3 1.84 6.0° MN 1,480,000 1,099 16.5 1.99 6.3° MN 1,002,000 1,971 15.3 1.84 6.0° MN 4,577,000 3,821 15.5 1.50 6.4° MN 4,577,000 3,821 15.5 1.50 6.4° MN 4,577,000 3,821 15.5 1.50 6.4° MN 4,577,000 1,099 16.5° 1.5° 5.3° MN 1,002,000 1,971 15.3 1.84 6.0° MN 1,496,000 2,011 13.6° 1.46° 5.9° MN 1,496,000 2,011 13.6° 1.46° 5.9° MN 2,579,000 2,299 12.7° 7.5° 5.3° MN 1,496,000 2,209 12.7° 7.5° 5.3° MN 1,002,000 1,971 15.3 1.84 6.0° MN 2,579,000 2,286 15.5 1.48 6.0° MN 1,496,000 2,011 13.6° 1.5° 1.5° 5.4° MN 2,579,000 2,286 15.5 1.48 6.0° MN 2,579,000 2,299 12.7° 7.5° 5.3° MN 1,496,000 2,210 1.914 15.5° 1.59 5.4° MN 2,579,000 2,431 15.4 1.44 6.2° MN 2,629,000 2,431 15.4 1.44 6.2° MN 2,629,000 2,431 15.4 1.44 6.2° MN 2,6		118,805,000					0.20
AR							1.10
AZ							1.40
CA 12,992,000 9,988 16.2* 7.6 5.8 CC 2,054,000 2,885 13.4 1.57 5.4 CT 1,349,000 2,885 13.4 1.57 5.4 CT 1,349,000 2,883 11.9* 82 4.7 DC 297,000 2,003 10.9* 1.29 4.3* DE 347,000 2,003 10.9* 1.29 4.3* FL 7,627,000 5,130 15.4 68 6.3* GA 3,786,000 1,802 13.8 1.19 5.6 HI 443,000 1,802 13.8 1.19 5.6 HI 443,000 1,802 13.8 1.19 5.6 IA 1,236,000 2,557 12.0* 1.04 4.7* ID 578,000 1,551 13.7 1.48 5.0 IL 4,941,000 4,120 13.3* 1.00 4.5* IN 2,515,000 2,137 13.2 1.93 5.4 KS 1,151,000 2,112 14.5 1.75 5.2 KY 1,789,000 2,129 16.4 1.65 6.6* LA 1,819,000 1,371 14.1 1.55 6.4 MA 2,570,000 2,033 11.9* 1.24 4.5 MD 2,229,000 2,888 12.5* 1.46 5.6 ME 542,000 2,688 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MM 2,436,000 2,260 16.0 1.27 6.7* MS 1,105,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.74 5.4 MN 2,148,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.74 5.4 NN 2,140,000 1,901 7.8* 1.30 3.1* NN 2,740,000 1,901 7.8* 1.30 3.1* NN 2,740,000 1,901 7.8* 1.30 3.1* NN 2,740,000 1,901 7.8* 1.30 3.1* NN 3,182,000 2,262 16.0 1.27 6.7* NN 807,000 1,901 7.8* 1.30 3.1* NN 1,020,000 1,901 7.8* 1.30 3.1* NN 1,044,000 1,651 14.7 1.55 7.0* NN 807,000 2,262 15.5 1.50 6.4 NN 1,042,000 1,039 16.5 1.99 6.3 NN 1,044,000 1,055 12.5* 8.6 5.0* NN 1,052,000 2,260 12.7* 7.75 5.3 NN 807,000 2,260 12.7* 7.75 5.3 NN 807,000 2,260 12.7* 7.75 5.3 NN 1,044,000 1,901 1.978 14.8 1.99 6.3 NN 1,052,000 2,260 12.7* 7.75 5.3 NN 807,000 2,260 12.7* 7.75 5.3 NN 1,052,000 2,260 12.7* 7.75 5.3 NN 1,052,000 2,260 12.7* 7.75 5.3 NN 1,052,000 2,260 12.7* 7.75 5.3 NN 1,054,000 2,260 12.7* 7.75 5.3 NN 1,054,000 2,260 12.7* 1.1* NN 1,054,000 2,260 12.7* 1.1* NN 2,519,000 2,260 1							1.39
CO 2,054,000 2,885 13.4 1.57 5.4 CT 1,349,000 2,883 11.9° 82 4.7′ DC 297,000 2,103 12.6° 1.70 4.4° DE 347,000 5,130 10.9° 12.9° 4.3° FL 7,627,000 5,130 15.4 68 6.3° GA 3,766,000 2,787 17.4° 2.00 6.4 HI 443,000 1,802 13.8 1.19° 5.6 IA 1,236,000 2,557 12.0° 1.04 4.7° ID 578,000 1,551 13.7 1.48 5.0 IL 4,941,000 4,120 13.3° 1.00 4.5° IN 2,515,000 2,137 13.2 1.93 5.4 KS 1,151,000 2,112 14.5 1.75 5.2 KY 1,789,000 2,137 13.2 1.93 5.4 KS 1,151,000 2,112 14.5 1.75 5.2 KY 1,789,000 1,371 14.1 1.55 4.4° MA 2,570,000 2,033 11.9° 1.24 4.5 MD 2,229,000 2,688 12.5° 1.46 5.6 ME 542,000 2,688 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,421 10.2° 68 4.3° MO 2,436,000 2,220 16.0 1.27 6.7° MS 1,105,000 1,285 19,2° 1.81 7.1° MT 424,000 1,460 14.5 17.4 5.4 NC 3,720,000 2,882 17.1° 1.11 5.8 MD 274,000 1,901 7.8° 1.30 3.1° NH 424,000 1,460 14.5 19.2° 1.81 7.1° MT 424,000 1,460 14.5 19.2° 1.81 7.1° MT 424,000 1,460 14.5 19.2° 1.81 7.1° MT 424,000 1,460 14.5 19.2° 1.81 7.1° NM 274,000 1,901 7.8° 1.30 3.1° NN 1,105,000 1,285 19,2° 1.81 7.1° NN 1,002,000 1,901 7.8° 1.30 3.1° NN 1,002,000 1,901 7.8° 1.30 3.1° NN 1,002,000 1,901 7.8° 1.30 3.1° NN 1,002,000 1,901 1.31 13.6 1.46 5.9 NN 1,002,000 1,901 1.31 13.6 1.46 5.9 NN 1,002,000 1,901 1.31 13.6 1.46 5.9 NN 1,002,000 1,901 1.35 1.55 1.50 6.4 OR 1,486,000 2,299 9.6° 1.01 4.0° NN 1,002,000 1,971 15.3 1.84 6.0 NN 1,002,000 1,978 14.8 1.92 4.4° NN 1,002,000 1,971 15.3 1.84 6.0 NN 1,002,000 1,978 14.8 1.92 4.4° NN 1,002,000 1,944 15.2° 1.19 6.4° NN 1,002,000 1,944 15.2° 1.19 6.4° NN 2,519,000 2,481 18.5° .75 6.5° NN 1,486,000 2,481 18.5° .75 6.5° NN 2,519,000 2,481 18.							1.19
CT 1,349,000 2,893 11.9° 82 4.7 DE 297,000 2,103 12.6° 1.70 4.4* DE 347,000 2,003 10.9° 1.29 4.3° FL 7,627,000 5,130 15.4 688 6.3° GA 3,786,000 2,787 17.4° 2.00 6.4 HI 443,000 1,802 13.8 1.19 5.6 IA 1,236,000 2,557 12.0° 1.04 4.7° ID 578,000 1,551 13.7 1.48 5.0 IL 4,941,000 4,120 13.3° 1.00 4.5° IN 2,515,000 2,137 13.2 1.93 5.4 KS 1,151,000 2,112 14.5 1.75 5.2 KY 1,789,000 2,129 16.4 1.65 6.6° LA 1,819,000 1,371 14.1 1.55 4.4° MA 2,570,000 2,988 12.5° 1.46 5.6 MI 3,855,000 3,207 14.2 1.15 5.6 MI 3,855,000 3,207 14.2 1.15 5.6 MI 3,855,000 3,207 14.2 1.15 5.6 MMN 2,148,000 2,220 16.0 1.27 6.7° MS 1,105,000 1,285 19.2° 1.81 7.1° MS 1,105,000 1,285 19.2° 1.81 7.1° NG 3,720,000 2,862 17.1° 1.11 5.8 ND 2,740,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1° 1.11 5.8 ND 274,000 1,901 7.8° 13.3 1.92 4.9 NH 524,000 1,901 7.8° 13.3 1.90 4.4° 13.9 NN 1.002,000 1,901 7.9° 13.3 1.90 4.4° 13.9 NN 1.002,000 1,901 7.9° 13.3 1.90 4.4° 13.9 NN 1.002,000 1,901 7.9° 13.9 NN 1.002,000 1.90							.43
DE 347,000 2,103 12,6° 1.70 4,4° 1,4° 1,5° 1,4° 1,0° 1,4° 1,1° 1,0° 1,4° 1,1° 1,1° 1,1° 1,1° 1,1° 1,1° 1,1							.65 .99
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FL 7,627,000 5,130 15,4 68 63° GA 3,786,000 2,787 17,4° 2,00 64 HI 443,000 1,802 13.8 1.19 5.6 IA 1,236,000 2,557 12.0° 1.04 4.7° ID 578,000 1,551 13.7 1.48 5.0 IL 4,941,000 4,120 13.3° 1.00 4.5° IN 2,515,000 2,137 13.2° 1.93 5.4 KS 1,151,000 2,112 14.5 1.75 5.2 KY 1,789,000 2,129 16.4 1.65 6.6° LA 1,819,000 1,371 14.1 1.55 4.4° IM A 2,570,000 2,033 11.9° 1.24 4.5 IM A 2,570,000 2,938 12.5° 1.46 5.6 ME 542,000 2,668 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,421 10.2° 68 4.3° IM ID 1,81 1.15 5.6 MN 2,148,000 3,421 10.2° 68 4.3° IM ID 1,81 1.15 5.6 IM 1 3,855,000 2,220 16.0 1.27 6.7° IM ID 1,81 1.15 5.6 IM 1 424,000 1,460 14.5 1.74 5.4 IN 1 424,000 1,460 14.5 1.74 5.4 IN 274,000 2,968 17.1° 1.11 5.8 IN 274,000 2,969 13.3 1.92 4.9 IN 1 3,182,000 2,482 17.1° 1.11 5.8 IN 1 1,05,000 1,285 19.2° 1.81 7.1° IN ID 1.4° IN ID							.78
GA 3,786,000 2,787 17.4* 2.00 6.4 HI 443,000 1,802 13.8 1.19 5.6 IA 1,236,000 2,557 12.0* 1.04 4.7* ID 578,000 1,551 13.7 1.48 5.0 III. 4,941,000 4,120 13.3* 1.00 4.5* III. 2,515,000 2,137 13.2 1.93 5.4 KS 1,151,000 2,112 14.5 1.75 5.2 KY 1,789,000 1,371 14.1 1.55 4.4* MA 2,570,000 2,129 16.4 1.65 6.6* LA 1,819,000 1,371 14.1 1.55 4.4* MA 2,570,000 2,033 11.9* 1.24 4.5 MD 2,229,000 2,988 12.5* 1.46 5.6 ME 542,000 2,668 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,421 10.2* 6.68 4.3* MO 2,436,000 2,220 16.0 1.27 6.7* MS 1,105,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.71* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,045 13.3 1.92 4.9 NH 674,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 2,386 15.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 2,386 15.5 1.48 6.0 SC 1,809,000 2,11 13.6 1.6 1.6 5.9 PA 5,116,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,974 15.5 1.59 5.4 VX 1,905,000 1,978 14.8 1.92 4.9 PA 5,116,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.9 NY 7,615,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 322,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 322,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,974 18.5* 7.5 6.5* UT 944,000 1,411 19.7 5.1							.59
HI							1.07
A	1						.63
D							.83
LL							1.09
N			4.120				.59
KS 1,151,000 2,112 14.5 1.75 5.2 KY 1,789,000 2,129 16.4 1.65 6.6* LA 1,819,000 1,371 14.1 1.55 4.4* MA 2,570,000 2,033 11.9* 1.24 4.5 MD 2,229,000 2,988 12.5* 1.46 5.6 ME 542,000 2,668 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,421 10.2* 6.8 4.3* MO 2,436,000 2,220 16.0 1.27 6.7* MS 1,105,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* 62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,045 12.5* 86 5.0* RI 432,000 2,386 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,974 15.2* 86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 322,000 2,209 12.7* 7.5 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,481 15.5 .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,481 15.5 .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,481 15.5 .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,481 15.4 1.44 6.2 WU 2,303,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1							1.13
KY 1,789,000 2,129 16.4 1.65 6.6* LA 1,819,000 1,371 14.1 1.55 4.4* MA 2,570,000 2,033 11.9* 1.24 4.5 MD 2,229,000 2,988 12.5* 1.46 5.6 ME 542,000 2,668 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,221 10.2* .68 4.3* MO 2,436,000 2,220 16.0 1.27 6.7* MS 1,105,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1.26</td></td<>							1.26
LA 1,819,000 1,371 14.1 1.55 4.4* MA 2,570,000 2,033 11.9* 1.24 4.5 MD 2,229,000 2,988 12.5* 1.46 5.6 ME 542,000 2,668 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,421 10.2* 6.8 4.3* MO 2,436,000 2,220 16.0 1.27 6.7* MS 1,105,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* 6.2 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* 86 5.0* RI 432,000 2,386 15.5 1.99 6.3 TN 2,519,000 1,978 14.8 1.92 4.4* SD 332,000 2,386 15.5 1.90 6.4* TX 9,054,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* 75 5.3 TN 2,519,000 1,974 18.5° 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* 86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 322,000 2,209 12.7* 75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,481 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,481 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,481 18.5* .75 6.5* UT 265,000 2,420 12.8* 1.59 5.4 WA 2,629,000 2,481 18.5* .75 6.5* UT 265,000 2,481 18.5* .75 6.5* UV 2,303,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1							.94
MA 2,570,000 2,033 11,9* 1,24 4,5 MD 2,229,000 2,988 12.5* 1,46 5,6 ME 542,000 2,668 14.7 1,53 6,5 MI 3,855,000 3,207 14.2 1,15 5,6 MIN 2,148,000 3,421 10.2* 6,8 4,3* MO 2,436,000 2,220 16.0 1,27 6,7* MS 1,105,000 1,285 19.2* 1,81 7,1* MT 424,000 1,460 14.5 1,74 5,4 NC 3,720,000 2,862 17.1* 1,11 5,8 ND 274,000 1,901 7,8* 1,30 3,1* NE 718,000 2,045 13.3 1,92 4,9 NH 524,000 2,929 9,6* 1,01 4,0* NJ 3,182,000 2,497 12.3* 1,07 4,5* NW <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1.16</td></td<>							1.16
MD 2,229,000 2,988 12.5° 1.46 5.6 ME 542,000 2,668 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,421 10.2° .68 4.3° MO 2,436,000 2,220 16.0 1.27 6.7° MS 1,105,000 1,285 19.2° 1.81 7.1° MT 424,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1° 1.11 5.8 ND 274,000 1,901 7.8° 1.30 3.1° NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,929 9.6° 1.01 4.0° NJ 3,182,000 2,497 12.3° 1.07 4.5° NW 1,002,000 1,971 15.3 1.84 6.0 NY 7							1.19
ME 542,000 2,668 14.7 1.53 6.5 MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,421 10.2* .68 4.3* MO 2,436,000 2,220 16.0 1.27 6.7* MS 1,105,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,945 13.3 1.92 4.9 NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,61							.94
MI 3,855,000 3,207 14.2 1.15 5.6 MN 2,148,000 3,421 10.2* 6.88 4.3* MO 2,436,000 2,220 16.0 1.27 6.7* MS 1,105,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* 62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* 86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,974 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1	_			14.7			.96
MN 2,148,000 3,421 10.2* 6.68 4.3* MO 2,436,000 2,220 16.0 1.27 6.7* MS 1,105,000 1,285 19.2* 1.81 7.1* MT 424,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* 62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* 86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,386 15.5 1.99 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,431 15.4 1.44 6.2 WI 2,303,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1				14.2	1.15		.93
MS	1	2,148,000		10.2*		4.3*	.44
MT 424,000 1,460 14.5 1.74 5.4 NC 3,720,000 2,862 17.1* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* 62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* 86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,431 15.4 1.44 6.2 WI 2,303,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1)	2,436,000	2,220	16.0	1.27		.77
NC 3,720,000 2,862 17.1* 1.11 5.8 ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* .62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,8	3	1,105,000	1,285	19.2*	1.81	7.1*	1.41
ND 274,000 1,901 7.8* 1.30 3.1* NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* .62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1	-						.96
NE 718,000 2,045 13.3 1.92 4.9 NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* .62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>.73</td>							.73
NH 524,000 2,929 9.6* 1.01 4.0* NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* .62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1							.68
NJ 3,182,000 2,497 12.3* 1.07 4.5* NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* .62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,431 15.4 1.44 6.2 WI 2,303,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1							.87
NM 807,000 1,039 16.5 1.99 6.3 NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* .62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>.74</td>							.74
NV 1,002,000 1,971 15.3 1.84 6.0 NY 7,615,000 5,569 13.3* .62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,431 15.4 1.44 6.2 WA 2,629,000<							.67
NY 7,615,000 5,569 13.3* .62 5.1* OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,431 15.4 1.44 6.2 WI 2,303,000							1.35
OH 4,577,000 3,821 15.5 1.50 6.4 OK 1,481,000 1,651 14.7 1.35 7.0* OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,431 15.4 1.44 6.2 WI 2,303,000 2,789 11.3* 1.01 4.7* WV 751,000<							1.37
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OR 1,496,000 2,011 13.6 1.46 5.9 PA 5,116,000 4,055 12.5* .86 5.0* RI 432,000 2,386 15.5 1.48 6.0 SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,431 15.4 1.44 6.2 WI 2,303,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1							.65 1.03
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SC 1,809,000 1,978 14.8 1.92 4.4* SD 332,000 2,209 12.7* .75 5.3 TN 2,519,000 1,944 15.2 1.19 6.4* TX 9,054,000 6,491 18.5* .75 6.5* UT 944,000 1,413 14.6 1.58 5.2 VA 2,978,000 2,810 9.1* 1.19 3.2* VT 265,000 2,120 12.8* 1.59 5.4 WA 2,629,000 2,431 15.4 1.44 6.2 WI 2,303,000 2,789 11.3* 1.01 4.7* WV 751,000 1,626 14.1 1.97 5.1							1.02
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WV 751,000 1,626 14.1 1.97 5.1		, ,					.70
· · · · · · · · · · · · · · · · · · ·							1.05
WY 227,000 1,788 12.7* 1.96 4.8		· ·					1.07

^{*}Difference from U.S. average was statistically significant with 90-percent confidence (t > 1.645).

Source: Prepared by USDA, Economic Research Service using Current Population Survey Food Security Supplement data.

¹Prevalence rates for 1996-98 reported in *Prevalence of Food Insecurity and Hunger, by State, 1996-1998* (Nord et al., 1999) are not directly comparable with the rates reported here because of differences in screening procedures in the CPS Food Security Supplements from 1995 to 1998. Comparable statistics for 1996-1998 are presented in *Food Security in the United States in 2010 Statistical Supplement* table S4 (Coleman-Jensen et al., 2011).

²Totals exclude households for which food security status is unknown because they did not give a valid response to any of the questions in the food security scale. These exclusions represented about 0.3 percent of all households in 2009, 0.4 percent in 2010, and 0.3 percent in 2011.

³Margin of error with 90-percent confidence (1.645 times the standard error of the estimated prevalence rate)

Taking into account margins of error of the State and U.S. estimates, the prevalence of food insecurity was higher (i.e., statistically significantly higher) than the national average in 7 States and lower than the national average in 17 States and the District of Columbia. In the remaining 26 States, differences from the national average were not statistically significant. The prevalence of very low food security was higher than the national average in 9 States, lower than the national average in 13 States and the District of Columbia, and not significantly different from the national average in 28 States.

State-level prevalence rates of food insecurity and very low food security for the period 2009-11 are compared with 3-year average rates for 2006-08 and 1999-2001 in table S-4 of the Statistical Supplement tables (http://www.ers.usda.gov/publications/administrative-publication/ap-058.aspx/).

Household Spending on Food

This section provides information on how much households spent on food, as reported in the December 2011 food security survey. Food insecurity is a condition that arises from lack of money and other resources to acquire food. In most households, the majority of food consumed by household members is purchased—either from supermarkets or grocery stores—to be prepared and eaten at home, or from cafeterias, restaurants, or vending machines to be eaten outside the home. The amount of money that a household spends on food, therefore, provides insight into how adequately the household is meeting its food needs. When a household reduces food spending below some minimum level because of constrained resources, various aspects of food insecurity such as disrupted eating patterns and reduced food intake may result.

Methods

The household food expenditure statistics in this report are based on usual weekly spending for food, as reported by respondents after they were given a chance to reflect on the household's actual food spending during the previous week. Respondents were first asked to report the amounts of money their households had spent on food in the week prior to the interview, including any purchases made with SNAP benefits (formerly called food stamps) at:

- supermarkets and grocery stores;
- stores other than supermarkets and grocery stores such as meat markets, produce stands, bakeries, warehouse clubs, and convenience stores;
- restaurants, fast food places, cafeterias, and vending machines;
- "...any other kind of place." ¹⁶

Total spending for food, based on responses to this series of questions, was verified with the respondent, and the respondent was then asked how much the household usually spent on food during a week. Analyses by ERS researchers have found that usual food expenditures estimated from data collected by this method were consistent with estimates from the Consumer Expenditure Survey (CES)—the principal source of data on U.S. household expenditures for goods and services (Oliveira and Rose, 1996; Nord 2009b).

Food spending was adjusted for household size and composition in two ways. The first adjustment was calculated by dividing each household's usual weekly food spending by the number of persons in the household, yielding the "usual weekly food spending per person" for that household. The second adjustment accounts more precisely for the different food needs of households by comparing each household's usual food spending to the estimated cost of the Thrifty Food Plan for that household in December 2011. The Thrifty Food Plan—developed by USDA—serves as a national standard for a nutritious, low-cost diet. It represents a set of "market baskets" of food that people in specific age and gender categories could consume at home to maintain a healthful diet that meets current dietary standards, taking into account the food consumption patterns of U.S. households (U.S. Department of Agriculture, Center for Nutrition Policy and Promotion, 2007). Each household's reported usual

¹⁵Food spending is only an indirect indicator of food consumption. It understates food consumption in households that receive food from in-kind programs, such as the National School Lunch and School Breakfast Programs, the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC), meal programs for children in child care and for the elderly, and private charitable organizations. (Purchases with SNAP benefits, however, are counted as food spending in the CPS food security survey.) Food spending also understates food consumption in households that acquire a substantial part of their food supply through gardening, hunting, or fishing, as well as in households that eat more meals at friends' or relatives' homes than they provide to friends or relatives. (Food spending overstates food consumption in households with the opposite characteristics.) Food spending also understates food consumption in geographical areas with relatively low food prices and overstates consumption in areas with high food prices.

¹⁶For spending in the first two categories of stores, respondents were also asked how much of the amount was for "nonfood items such as pet food, paper products, alcohol, detergents, or cleaning supplies." These amounts are not included in calculating spending for food.

¹⁷The cost of the Thrifty Food Plan is revised each month to account for inflation in food prices.

¹⁸The Thrifty Food Plan, in addition to its use as a research tool, is used as a basis for setting the maximum SNAP (food stamp) benefit amounts. However, in April 2009, the American Recovery and Reinvestment Act (ARRA) increased SNAP benefits above the Thrifty Food Plan-based levels. SNAP benefits have not been adjusted for inflation since then.

weekly food spending was divided by the household-specific cost of the Thrifty Food Plan based on the age and gender of each household member and the number of persons in the household (U.S. Department of Agriculture, Center for Nutrition Policy and Promotion, 2012).¹⁹

The medians of each of the two food spending measures (spending per person per week and spending relative to the cost of the Thrifty Food Plan) were estimated at the national level and for households in various categories to represent the usual weekly food spending of the typical household in each category. Medians are reported rather than averages (means) because medians are not unduly affected by the few unexpectedly high values of usual food spending that are believed to be reporting errors or data entry errors. Thus, the median better reflects what a typical household spent.

About 6.4 percent of households interviewed in the CPS food security survey did not respond to the food spending questions or reported zero usual food spending and were excluded from the analysis. As a result, the total number of households represented in tables 5 and 6 is somewhat smaller than that in tables 1 and 2, and food spending estimates may not be fully representative of all households in the United States.²⁰

Food Expenditures, by Selected Household Characteristics

In 2011, the typical U.S. household spent \$47.50 per person each week for food (table 5). Median household food spending relative to the cost of the Thrifty Food Plan—which adjusts for food price inflation and adjusts more precisely for the food needs of persons in different age-gender categories—was 1.15, down from 1.17 in 2010. That is, in 2011, the typical household spent 15 percent more on food than the cost of the Thrifty Food Plan for that household.

Households with children under age 18 generally spent less for food, relative to the cost of the Thrifty Food Plan, than those without children. The typical household with children spent an amount on food equivalent to the cost of the Thrifty Food Plan, while the typical household with no children spent 22 percent more than the cost of the Thrifty Food Plan. Median food expenditures relative to the cost of the Thrifty Food Plan were lower for households with children headed by single women (0.94) than for married couples with children (1.03). Median food expenditure relative to the cost of the Thrifty Food Plan was highest for men living alone (1.43).

Median food expenditures relative to the cost of the Thrifty Food Plan were lower for Black, non-Hispanic households (0.99) and Hispanic households (0.98) than for White, non-Hispanic households (1.21). This pattern is consistent with the lower average incomes and higher prevalence rates of food insecurity of these racial and ethnic minorities.

As expected, households with higher incomes spent more money on food than lower income households.²¹ The typical household with income below the poverty line spent about 7 percent less than the cost of the Thrifty Food Plan, while the typical household with income above 185 percent of the poverty line spent 26 percent more than the cost of the Thrifty Food Plan.

¹⁹Thrifty Food Plan costs are estimated separately for Alaska and Hawaii, using adjustment factors calculated from USDA's Thrifty Food Plan costs for those States for the second half of 2011.

²⁰Households that were unable or unwilling to report food spending were less likely to be food insecure than those that did report food spending (9.6 percent compared with 15.3 percent). Food spending may, therefore, be slightly underestimated from these data.

²¹However, food spending does not rise proportionately with income increases, so high-income households actually spend a smaller proportion of their income on food than do lowincome households.

Table 5
Weekly household food spending per person and relative to the cost of the Thrifty Food Plan (TFP), 2011

		Median weekly food spending			
Category	Number of households ¹	Per person	Relative to cost of TFP		
	1,000	Dollars	Ratio		
All households	111,305	47.50	1.15		
Household composition:					
With children < 18 yrs	36,833	35.00	1.00		
At least one child < 6 yrs	16,451	32.50	1.00		
Married-couple families	24,199	36.67	1.03		
Female head, no spouse	9,207	33.33	.94		
Male head, no spouse	2,848	35.00	.98		
Other household with child ²	579	32.50	.88		
With no children < 18 yrs	74,473	50.00	1.22		
More than one adult	44,400	50.00	1.17		
Women living alone	16,367	55.00	1.26		
Men living alone	13,705	70.00	1.43		
With elderly	27,049	50.00	1.14		
Elderly living alone	9,967	50.00	1.17		
Race/ethnicity of households:					
White, non-Hispanic	77,792	50.00	1.21		
Black, non-Hispanic	13,520	40.00	.99		
Hispanic ³	13,500	37.50	.98		
Other	6,493	43.75	1.10		
Household income-to-poverty ratio:					
Under 1.00	14,713	35.00	.93		
Under 1.30	21,024	35.00	.93		
Under 1.85	29,853	36.67	.93		
1.85 and over	59,792	50.00	1.26		
Income unknown	21,661	45.83	1.13		
Area of residence:4					
Inside metropolitan area	92,999	50.00	1.17		
In principal cities ⁵	31,172	50.00	1.16		
Not in principal cities	45,851	50.00	1.17		
Outside metropolitan area	18,306	40.00	1.04		
Census geographic region:					
Northeast	20,186	50.00	1.21		
Midwest	24,370	43.33	1.10		
South	41,742	45.67	1.14		
West	25,007	50.00	1.18		

¹Totals exclude households that did not answer the questions about spending on food or reported zero usual food spending. These exclusions represented 7.2 percent of all households.

Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

 $^{^2\}mbox{Households}$ with children in complex living arrangements, e.g., children of other relatives or unrelated roommate or boarder.

³Hispanics may be of any race.

⁴Metropolitan area residence is based on 2003 Office of Management and Budget delineation.

⁵Households within incorporated areas of the largest cities in each metropolitan area. Residence inside or outside of principal cities is not identified for about 17 percent of households in metropolitan statistical areas.

Median food spending relative to the cost of the Thrifty Food Plan was lower for households outside metropolitan areas (1.04) than for those inside metropolitan statistical areas (1.17). Regionally, median spending on food relative to the cost of the Thrifty Food Plan was lowest in the Midwest (1.10) and highest in the Northeast (1.21).

Food Expenditures and Household Food Security

Food-secure households typically spent more on food than food-insecure households. Median food spending relative to the cost of the Thrifty Food Plan was 1.17 among food-secure households, compared with 0.94 among food-insecure households (table 6). Taking into account estimated food need, food-secure households spent approximately 24 percent more for food than food-insecure households.

Table 6
Weekly household food spending per person and relative to the cost of the Thrifty Food Plan (TFP) by food security status, 2011

		Median weekl	eekly food spending		
Category	Number of households ¹	Per person	Relative to cost of TFP		
	1,000	Dollars	Ratio		
All households	111,305	47.50	1.15		
Food security status:					
Food-secure households	94,061	50.00	1.17		
Food-insecure households	17,050	37.00	.94		
Households with low food security	10,545	35.71	.94		
Households with very low food security	6,505	37.50	.93		

¹Total for all households excludes households that did not answer the questions about spending on food or reported zero usual spending for food. These represented 7.2 percent of all households. Totals in the bottom section also exclude households that did not answer any of the questions in the food security scale.

Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

Federal Food and Nutrition Assistance Programs and Food Security

Households with limited resources employ a variety of methods to help meet their food needs. Some participate in one or more of the Federal food and nutrition assistance programs or obtain food from emergency food providers in their communities to supplement the food they purchase. Households that turn to Federal and community food and nutrition assistance programs typically do so because they are having difficulty in meeting their food needs. The use of such programs by low-income households and the relationship between their food security status and use of food and nutrition assistance programs provide insight into the extent of these households' difficulties in obtaining enough food and the ways they cope with those difficulties.

This section presents information about the food security status of households that participated in the three largest Federal food and nutrition assistance programs (see box, "Federal Food and Nutrition Assistance Programs," on page 24). It also provides information about the extent to which food-insecure households participated in these programs. Total participation in the Federal food and nutrition assistance programs, participation rates of eligible households in those programs, and characteristics of participants in those programs are not described in this report. Extensive information on those topics is available from USDA's Food and Nutrition Service (FNS).²²

Statistical Supplement tables S-12 to S-17 provide information on food spending by participants and low-income nonparticipants in selected Federal and community food and nutrition assistance programs and about the extent to which households obtained assistance from community food pantries and emergency kitchens (http://www.ers.usda.gov/publications/administrative-publication/ap-058.aspx).

Methods

The December 2011 CPS food security survey included questions about the use of Federal food and nutrition assistance programs. All households with incomes below 185 percent of the Federal poverty threshold were asked these questions. In order to minimize the burden on respondents, households with incomes above that range were not asked the questions unless they indicated some level of difficulty in meeting their food needs on the first of the preliminary screener questions listed in footnote 5. The questions analyzed in this section are:

- "During the past 12 months...did anyone in this household get SNAP or food stamp benefits?" Households that responded affirmatively were then asked in which months they received SNAP benefits and on what date they last received them. Information from these 3 questions was combined to identify households that received SNAP benefits in the 30 days prior to the survey.
- "During the past 30 days, did any children in the household...receive free or reduced-cost lunches at school?" (Only households with children between the ages of 5 and 18 were asked this question.)

²²Information on Federal food and nutrition assistance programs, including participation rates and characteristics of participants, is available from the FNS website at http://www.fns.usda. gov/. Additional research findings on the operation and effectiveness of these programs are available from the ERS website at http://www.ers.usda.gov/top-ics/food-nutrition-assistance.aspx/.

²³The Food Stamp Program was renamed the Supplemental Nutrition Assistance Program (SNAP) in October 2008. Both names were mentioned in the survey question as well as the State's name for the program in States that used a different name.

Federal Food and Nutrition Assistance Programs

USDA's Food and Nutrition Service (FNS) administers 15 domestic food and nutrition assistance programs. The three largest programs are (for more information, see Oliveira, 2012):

- The Supplemental Nutrition Assistance Program (SNAP), formerly called the Food Stamp Program. The program provides monthly benefits for eligible low-income households to purchase approved food items at authorized food stores. Participants qualify for the program based on available household income, assets, and certain basic expenses. In an average month of fiscal year 2011 (October 1, 2010 through September 30, 2011), SNAP provided benefits to 44.7 million people in the United States (14 percent of individuals). The average benefit was about \$134 per person per month, and total Federal expenditures for the program were over \$75 billion.
- The National School Lunch Program. The program operates in over 100,000 public and nonprofit private schools and residential child-care institutions. All meals served under the program receive Federal subsidies, and free or reduced-price lunches are available to low-income students. In fiscal year 2011, the program provided lunches to an average of 31.8 million children each school day. Fifty-eight percent of the lunches served in 2011 were free, and an additional 8 percent were provided at reduced prices.
- The Special Supplemental Nutrition Program for Women, Infants, and Children (WIC). The program is a federally funded preventive nutrition program that provides grants to States to support distribution of supplemental foods, health care referrals, and nutrition education for low-income pregnant, breastfeeding, and nonbreastfeeding postpartum women, for infants in low-income families, and for children in low-income families who are younger than 5 years old and who are found to be at nutritional risk. Most State WIC programs provide vouchers that participants use to acquire supplemental food packages at authorized food stores. In fiscal year 2011, WIC served an average 9 million participants per month at an average monthly cost for food (after rebates to the WIC program from manufacturers) of about \$47 per person.
- "During the past 30 days, did any women or children in this household get food through the WIC program?" (Only households with a child age 0-4 or a woman age 15-45 were asked this question.)

Prevalence rates of food security, food insecurity, and very low food security were calculated for households reporting use of each food and nutrition assistance provider and for comparison groups of nonparticipating households with incomes and household compositions similar to those of food assistance recipients. Statistics for participating households excluded households with incomes above the ranges specified for the comparison groups. ²⁴ The proportions of food-insecure households participating in each of the three largest Federal food and nutrition assistance programs—the Supplemental Nutrition Assistance Program; the National School Lunch Program; and the Special Supplemental Nutrition Program for Women, Infants, and Children—were calculated, as well as the proportion that participated in any of the three programs. These analyses were restricted to households with annual incomes below 185 percent of the poverty line because most households with incomes above this range were not asked whether they participated in these programs.

²⁴Some program participants reported incomes that were higher than the program eligibility criteria. They may have had incomes below the eligibility threshold during part of the year, or subfamilies within the household may have had incomes low enough to have been eligible.

Food Security of Households That Received Food and Nutrition Assistance

The relationship between food security and the use of food and nutrition assistance programs is complex. There are reasons to expect that households that report using food and nutrition assistance programs in a one-time survey can either be more food secure or less food secure than low-income households not using those programs. Since the programs provide food and other resources to reduce the severity of food insecurity, households are expected to be more food secure after receiving program benefits than before doing so. On the other hand, it is the more food-insecure households, those having greater difficulty meeting their food needs, that seek assistance from the programs.²⁵ About 52 percent of households that received SNAP benefits were food insecure, as were 48.7 percent of households that received free or reduced-cost school lunches, and 43.7 percent of those that received WIC benefits (table 7). The prevalence of very low food security among households participating in SNAP was 11.7 percentage points higher than that of nonparticipating households in the same low-income range (23.0 percent versus 11.3 percent). For households that received free or reduced-cost school lunches, the prevalence of very low food security was more than twice that of nonparticipating households with school-age children in the same income range (16.6 percent versus 7.9 percent).

A possible complicating factor in interpreting table 7 is that food insecurity was measured over a 12-month period. An episode of food insecurity may have occurred at a different time during the year than the use of a specific food and nutrition assistance program. A similar tabulation using a 30-day measure of food insecurity largely overcomes this potential problem because

²⁵This "self-selection" effect is evident in the association between food security and food program participation that is observed in the food security survey. Participating households were less food secure than similar nonparticipating households. More complex analysis using methods to account for this self-targeting is required to assess the extent to which the programs improve food security (see Ratcliffe and McKernan, 2011; Nord and Golla, 2009; Yen et al., 2008; Wilde and Nord, 2005: Gundersen and Oliveira, 2001; Gundersen and Gruber, 2001; Nelson and Lurie, 1998).

Table 7

Percent of households by food security status and participation in selected Federal food and nutrition assistance programs, 2011

			е	
Category	Food secure	All	With low food security	With very low food security
			Percent	
Income less than 130 percent of poverty line:				
Received SNAP ¹ benefits previous 12 months	48.3	51.7	28.7	23.0
Received SNAP benefits all 12 months	50.9	49.1	26.8	22.3
Received SNAP benefits 1 to 11 months	44.0	56.0	31.8	24.2
Did not receive SNAP benefits previous 12 months	72.3	27.7	16.4	11.3
Income less than 185 percent of poverty line; school-age children in ho	usehold:			
Received free or reduced-price school lunch previous 30 days	51.3	48.7	32.1	16.6
Did not receive free or reduced-price school lunch previous 30 days	72.3	27.7	19.8	7.9
Income less than 185 percent of poverty line; children under age 5 in he	ousehold:			
Received WIC ² previous 30 days	56.3	43.7	30.1	13.6
Did not receive WIC previous 30 days	66.7	33.3	25.8	7.5

¹SNAP = Supplemental Nutrition Assistance Program, formerly the Food Stamp Program.

²WIC = Special Supplemental Nutrition Program for Women, Infants, and Children.

Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

measured food insecurity and reported use of food and nutrition assistance programs are more likely to refer to contemporaneous conditions when both are referenced to the previous 30 days. That tabulation shows patterns of food insecurity and the use of food and nutrition assistance programs that are similar to those in table 7, although 30-day prevalence rates were somewhat lower than the corresponding 12-month rates (see Statistical Supplement table S-16, http://www.ers.usda.gov/publications/administrative-publication/ap-058.aspx/).

Participation in Federal Food and Nutrition Assistance Programs by Food-Insecure Households

About 57 percent of food-insecure households reported receiving assistance from one or more of the three largest Federal food and nutrition assistance programs during the month prior to the December 2011 food security survey (table 8). SNAP provided assistance to 40.1 percent of food-insecure households, children in 32.2 percent received free or reduced-price school lunches, and women or children in 11.2 percent received WIC food vouchers. Fifty-six percent of households classified as having very low food security reported participating in one or more of the three largest Federal food and nutrition assistance programs, and the largest share of these (42.5 percent) participated in SNAP.

Table 8

Participation of food-insecure households in selected Federal food and nutrition assistance programs, 2011

Program	Share of food-insecure households that participated in the program during the previous 30 days ^{1,2}	Share of households with very low food security that participated in the program during the previous 30 days ^{1,2}			
	Percent				
SNAP ³	40.1	42.5			
Free or reduced-price					
school lunch	32.2	26.5			
WIC ⁴	11.2	8.6			
Any of the three programs	57.2	56.0			
None of the three programs	42.8	44.0			

¹Analysis is restricted to households with annual incomes less than 185 percent of the poverty line because most households with incomes above that range were not asked whether they participated in food assistance programs.

Source: Calculated by USDA, Economic Research Service using data from the December 2011 Current Population Survey Food Security Supplement.

²⁶ These statistics may be biased downward. It is known from comparisons between household survey data and administrative records that food program participation is underreported by household survey respondents, including those in the CPS (Meyer et al., 2009). This is probably true for food-insecure households as well, although the extent of underreporting by these households is not known. Statistics are based on the subsample of households with annual incomes below 185 percent of the poverty line. Not all of these households were eligible for certain programs. (For example, many households without pregnant women or children and with incomes above 130 percent of poverty would not have been eligible for any of the programs.)

²⁷The statistics in table 8 were also calculated for households that were food insecure during the 30-day period prior to the survey. In principle, that analysis is preferable because food security status and use of programs are more certainly contemporaneous than when food insecurity is assessed over a 12-month period. However, the results differed only slightly from those in table 8 and are not presented separately.

²These statistics understate the extent of food and nutrition program participation because program participation is underreported by household survey respondents, see footnote 26.

³SNAP = Supplemental Nutrition Assistance Program, formerly the Food Stamp Program.

⁴WIC = Special Supplemental Nutrition Program for Women, Infants, and Children.

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