

Assessment of the quality of State SNAP administrative data

Final report

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I. Introduction

For this project, Mathematica standardized Illinois, Mississippi, and Tennessee administrative data files held by the U.S. Bureau of the Census (Census Bureau) and then compared tabulations of the standardized data files to data from the National Data Bank, to tabulations of SNAP Quality Control (QC) data, and across States. This report provides an inventory of State administrative data files held by the Census Bureau when the study was in progress, describes the process we used to standardize the data files and the variables on the standardized files, and presents tabulations of the administrative data to assess their quality.

This study was conducted for the Food and Nutrition Service (FNS) of the U.S. Department of Agriculture (USDA) in collaboration with USDA's Economic Research Service (ERS) and the Census Bureau. It addresses one of the four research priorities identified by an expert panel convened for FNS to identify and prioritize research needs related to using linked SNAP administrative and Census Bureau survey data to improve SNAP eligibility estimates.

II. Inventory of State administrative data files

We began by inventorying the State administrative data files held by the Census Bureau. We then determined which State files best met the criteria USDA set for choosing States to standardize and assess. The characteristics we considered included the following:

- The number of years of data available, with a requirement for at least 5 years of data and a preference for more years of data.
- The most recent year of data currently available, with a requirement for at least 2016 and a preference for more recent data.
- The estimated number of matched State administrative and survey data observations based on the size of State populations, the size of State SNAP caseloads, and CPS sampling rates, with a preference for larger numbers of estimated matches.
- The complexity of working with the State administrative data files, with a preference for a mixture of more and less complex.
- The presence of variables that would be essential for analysis, with a requirement for full addresses and a preference for relationship and income data.
- Whether Mathematica has performed previous analyses with the State data files, which eliminated New York and Colorado.

Based on these criteria, we recommended working with administrative data files from Tennessee, Mississippi, and Illinois, and USDA agreed. Table 1 shows the data files that were available in July 2019 when we were choosing States to work with and, shaded in red, the additional data files now available. (The Census Bureau Administrative Data Inventory is available at <https://www2.census.gov/about/linkage/data-file-inventory.pdf>.)

Table 1. States providing SNAP administrative data

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Arizona						2009									2018	2019	
Colorado									2012	2013							
Connecticut	2004														2018		
Florida						2009									2018	2019	
Hawaii										2013		2015	2016			2019	
Idaho							2010								2018	2019	
Illinois					2008								2016	2017	2018		
Indiana	2004														2018	2019	
Iowa								2010									2019
Kentucky											2014				2018	2019	
Maryland						2009							2016	2017		2019	
Massachusetts											2014						2019
Michigan							2010						2016				
Minnesota											2014						
Mississippi							2010							2017	2018	2019	
Montana									2012						2018	2019	
Nebraska															2018	2019	
Nevada						2009							2016	2017		2019	
New Jersey			2006												2018	2019	2020
New York				2007									2016	2017		2019	
North Carolina											2014						2019
North Dakota	2004														2018	2019	
Oregon						2009								2017	2018	2019	
South Carolina	2004																2019
South Dakota												2015					2019
Tennessee	2004														2018	2019	
Texas				2007	2008												
Utah									2012				2016	2017		2019	
Virginia						2009				2013							
Wyoming	2004													2017	2018	2019	

Note: State data for years shaded in red were received after the data files for this study were selected.

III. Initial file processing

The initial file processing varied by State because of the different data file formats and contents and was complicated by incomplete documentation. However, for each State, we merged available data files to create one record per person per month. The Mississippi and Tennessee administrative data include records for TANF as well as SNAP cases, so we flagged records that were associated with an active SNAP case. For all three States, we also attempted to identify records that were associated with an active SNAP case but were for a person who was not participating in SNAP themselves. A brief description of the State data files and our file processing procedures for each State follows.

- The Illinois data are in two files per year: a case file and a client file. The case files include multiple records per case; each record appears to be associated with a month of participation and the records appear to be in chronological order. The client files include one record per client number along with a STATUS_INDICATOR_ARRAY variable that identifies which months of the year the client was receiving SNAP. Our general process was to replicate client records so there was one per month of SNAP receipt and then merge them to the case records to create person/month records.
- The Mississippi data are in multiple case and client files per year, including separate files with employment and self-employment data. We began by merging the two files with case data and identifying and removing duplicate case records. We then merged on the two primary files with client data, again handling duplicate records and records for which there was not a matching case.
- The earlier years of Tennessee data are in one file per year, while the data for 2017 and later years are in two files per year, which we merged.

IV. File standardization

After completing the initial file processing, we created standardized versions of the Illinois, Mississippi, and Tennessee administrative data files. We began by identifying State administrative data variables that also exist on the SNAP QC data files. For some of these data, we simply renamed the State administrative data variable to the SNAP QC data variable name. For other variables, we also recoded the values to match the SNAP QC data and for still other variables, we derived values from other data on the State administrative data file. In a few instances, we left State administrative variable names and values unchanged even though the variables capture the same type of information as a SNAP QC data variable because there is more detail in the State administrative data.

Next, we identified State administrative data variables that are similar in type to variables on the SNAP QC data but are not included on that data file. For these data, we used naming and value coding conventions similar to those used for the SNAP QC data files. For example, the SNAP QC data include the variables FSNKID and FSNElder, the numbers of children and elderly adults, respectively, in the SNAP household. On the standardized State administrative data files, we included FSNADULT, the number of non-elderly adults in the SNAP household.

We took several different approaches to the remaining variables on the State administrative data files. For data that existed on more than one State's administrative data files, we standardized the variable names and values across the States. Variables that were unique to a State, had undefined values, or were added by the Census Bureau, we generally left unchanged. Finally, we created variables related to SNAP eligibility and benefit determination, such as income thresholds and maximum benefit amounts.

Because the State administrative data varies by State, the information on the standardized data files also varies. Table 2 includes variables that are available on more than one of the standardized administrative

data files and shows the variable name, variable label, source of the data, and whether the variable exists on the SNAP QC data. The draft codebook is presented in Appendix A.

Table 2. Selected variables on standardized State administrative data files

Variable name	Variable label	Source	SNAP QC data
State, region, and time period			
STATENAME	State name	States	Yes
YRMONTH	Benefit year and month	States	Yes
STATE	State FIPS code	Mathematica	Yes
REGIONCD	FNS region	Mathematica	Yes
REGION	Census region	Mathematica	Yes
FISCALYEAR	Fiscal year	Mathematica	No
HALFYEAR	Indicator of mid-year change to maximum benefit	Mathematica	No
Dwelling, case, and person identification			
CASE_ID	SNAP household identifier	States	Yes*
PERSON_ID	Person identifier	States	No
MAFID	Master Address File Identifier	Census Bureau	No
PIK	PVS Validated PIK	Census Bureau	No
Case type, status, and certification period			
SNAP_CASE	SNAP case indicator	States	No
TANF_CASE	TANF case indicator	States	No
CASE_STATUS	Case status (open, closed, denied)	States	No
CERT_END	Certification end date	States	No
Case income, expenses, and benefits			
FSBEN	SNAP benefit amount	States	Yes
FSGRINC	Gross countable income	States	Yes
FSNETINC	Net countable income	States	Yes
FSEARN	Gross earned income	States	Yes
FSUNEARN	Gross unearned income	States	Yes
GRSSCRN	Gross income screen	Mathematica	Yes*
NETSCRN	Net income screen	Mathematica	Yes
BENMAX	Maximum SNAP benefit amount	Mathematica	Yes
BENMIN	Minimum SNAP benefit amount	Mathematica	Yes*
FSMAXBEN	Received maximum SNAP benefit	Mathematica	Similar
FSMINBEN	Received minimum SNAP benefit	Mathematica	Yes
SHELCAP	Maximum shelter deduction	Mathematica	Yes
STANDED	Standard deduction	Mathematica	Yes *
Case demographics			
FSUSIZE	SNAP household size	States	Yes
COMPOSITION	SNAP household composition	Mathematica	Yes
FSELDER	Elderly person in SNAP household flag	Mathematica	Yes
FSKID	Child in SNAP household flag	Mathematica	Yes
FSNADLT50	Number of adult participants under age 50	Mathematica	Similar
FSNADULT	Number of non-elderly adult participants	Mathematica	Similar

Variable name	Variable label	Source	SNAP QC data
FSNELDER	Number of elderly participants	Mathematica	Yes
FSNKID	Number of child participants	Mathematica	Yes
FSUN	SNAP household head identifier	Mathematica	Yes
HEAD	SNAP household head flag	Mathematica	No
TPOV	Poverty level	Mathematica	Yes
Person demographics and income			
AGE	Age at end of month	States	Yes
SEX	Sex/gender	States	Yes
Varies across States	Race and ethnicity	States	Similar
Varies across States	Education level	States	Similar
EARN	Person gross earnings	States	Similar

Note: This information has been approved for release (approval number: CBDRB-FY2020-CES005-031).

* SNAP QC data variable has a different name

V. Comparison of State Aggregate Data by Fiscal Year and Month

After standardizing the State administrative data files, we derived monthly totals of SNAP households, participants, and benefits and compared them with corresponding data from the National Data Bank. The monthly totals derived from State administrative data and their percentage difference from the National Data Bank data are presented in Appendix B. In general, SNAP households, participants, and benefits totals derived from State administrative data closely agree with those reported to the National Data Bank.

Table 3 shows the average, minimum, and maximum monthly percentage differences between State administrative and National Data Bank data. The largest difference is for Illinois SNAP benefit totals; those derived from State administrative data are about 0.1 percent lower than those from the National Data Bank for much of the time period we studied, dropping to 0.2 percent lower in 2013 (Figure 1). Illinois SNAP households and participants derived from State administrative data are also slightly below those from the National Data Bank, but the difference is not as consistent or as large as it is for Illinois SNAP benefits (Figures 2 and 3).

Totals from Mississippi administrative data closely match totals from the National Data Bank except for September 2012 when the National Data Bank totals show a one-month spike that is not replicated in the State administrative data (Figures 4, 5, and 6).

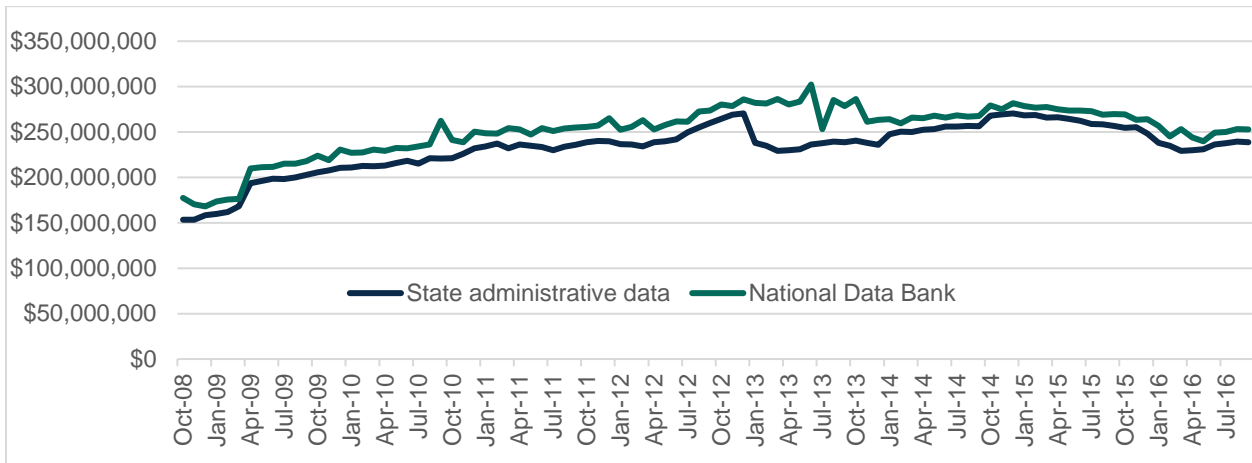
Tennessee SNAP benefit and household totals derived from State administrative data also closely match totals from the National Data Bank (Figures 7, 8, and 9). However, Tennessee SNAP participant totals derived from State administrative data are slightly lower than totals from the National Data Bank, particularly in more recent years. The differences seen for Tennessee participants as well as Illinois benefits, households, and participants may be related to our initial data processing steps. However, we do not have enough information about certain State data elements to refine our processing methodology.

Table 3. Monthly percentage difference between State SNAP administrative data and National Data Bank data

Fiscal year	SNAP households (percentage difference)			SNAP participants (percentage difference)			SNAP benefits (percentage difference)		
	Average	Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
Illinois									
2009	-5	-8	-3	-3	-8	-1	-8	-14	-5
2010	-4	-9	-3	-2	-10	0	-8	-16	-5
2011	-4	-5	-2	-2	-4	-1	-7	-9	-4
2012	-4	-5	-2	-2	-4	-1	-7	-11	-4
2013	-5	-8	-2	-7	-12	0	-13	-22	-3
2014	-2	-4	-1	-2	-7	1	-6	-16	-4
2015	-1	-3	0	0	-1	0	-4	-5	-2
2016	-2	-3	0	-1	-3	1	-6	-9	-3
Mississippi									
2011	0	-1	0	1	0	1	-1	-4	0
2012	-1	-8	0	0	-8	1	-2	-15	0
2013	0	-1	0	0	0	0	0	-1	0
2014	0	-1	0	0	0	0	0	-2	0
2015	0	-1	0	0	0	1	0	-1	0
2016	0	0	1	1	0	1	0	0	1
2017	0	0	1	1	1	2	1	0	1
Tennessee									
2005	1	-1	2	3	2	4	0	-3	2
2006	0	-1	1	3	2	3	0	-1	0
2007	0	-1	2	3	2	4	-1	-2	0
2008	1	0	1	3	2	4	-1	-2	1
2009	1	0	2	4	3	5	-1	-2	1
2010	0	-1	1	3	2	4	-1	-2	0
2011	0	0	1	3	2	4	-1	-3	0
2012	0	0	1	4	3	5	-1	-2	1
2013	0	0	2	4	3	5	-1	-2	0
2014	1	0	2	4	3	5	0	-1	1
2015	1	0	2	5	4	6	0	0	1
2016	1	1	2	5	4	6	0	0	1
2017	1	1	2	5	4	6	-1	-11	1
2018	2	1	2	5	4	6	0	-1	2

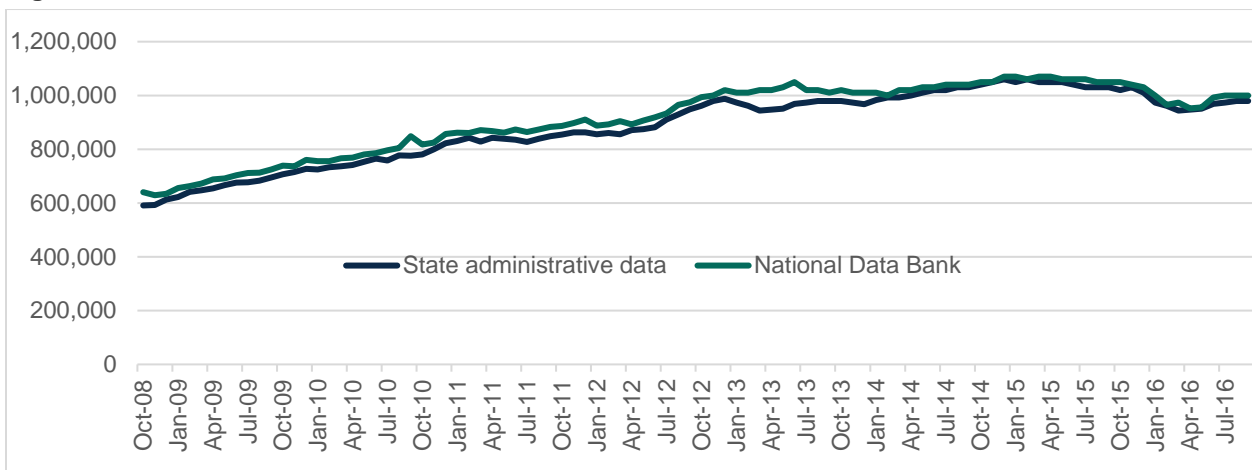
DRB Delegated Authority Approval Number CBDRB-FY21-CES014-003

Figure 1. Illinois SNAP benefits



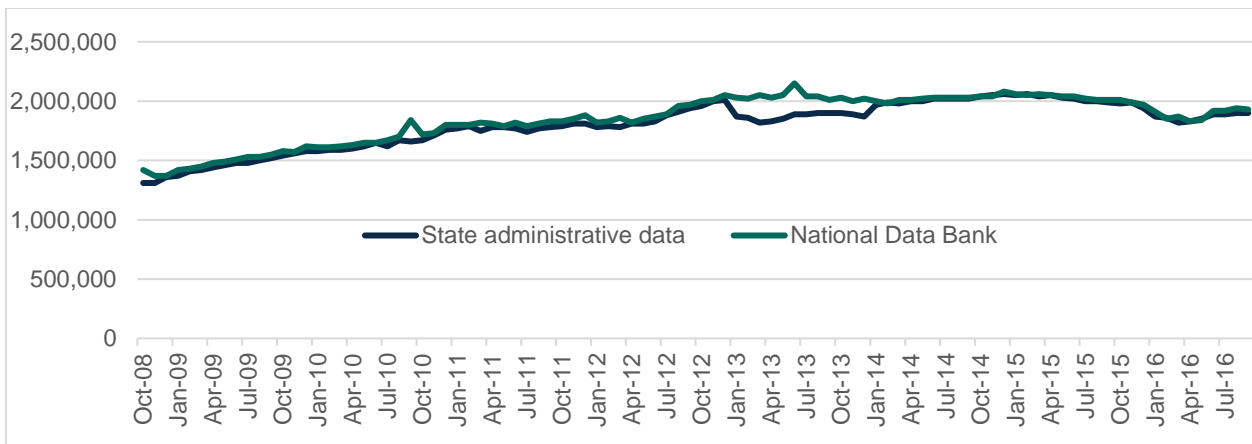
DRB Delegated Authority Approval Number CBDRB-FY21-CES014-003

Figure 2. Illinois SNAP households



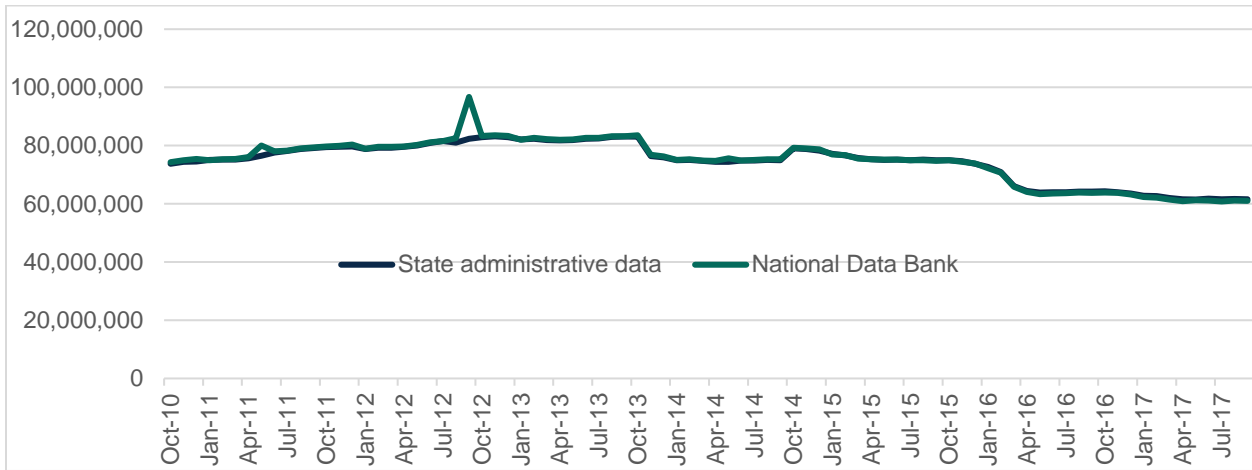
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Figure 3. Illinois SNAP participants



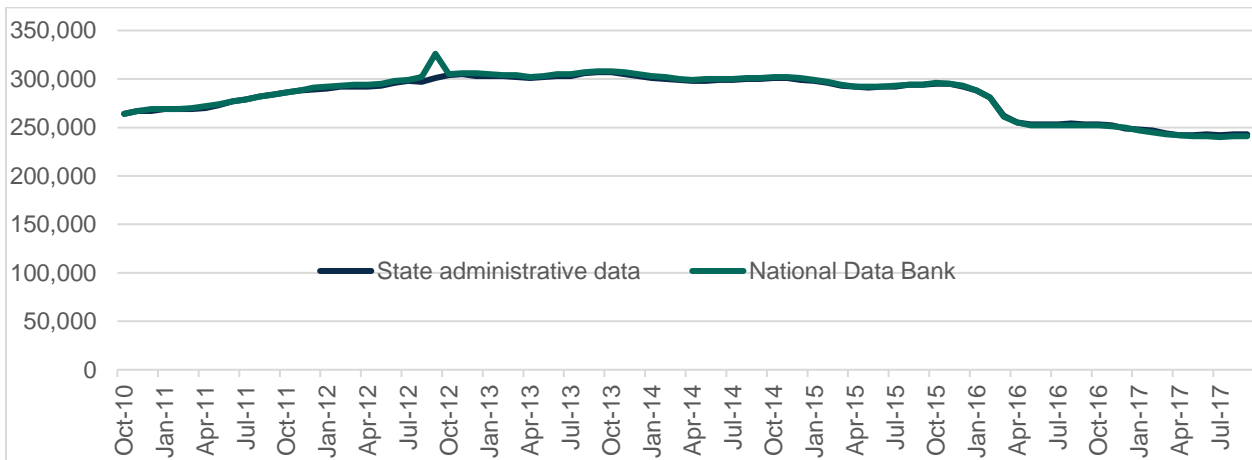
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Figure 4. Mississippi SNAP benefits



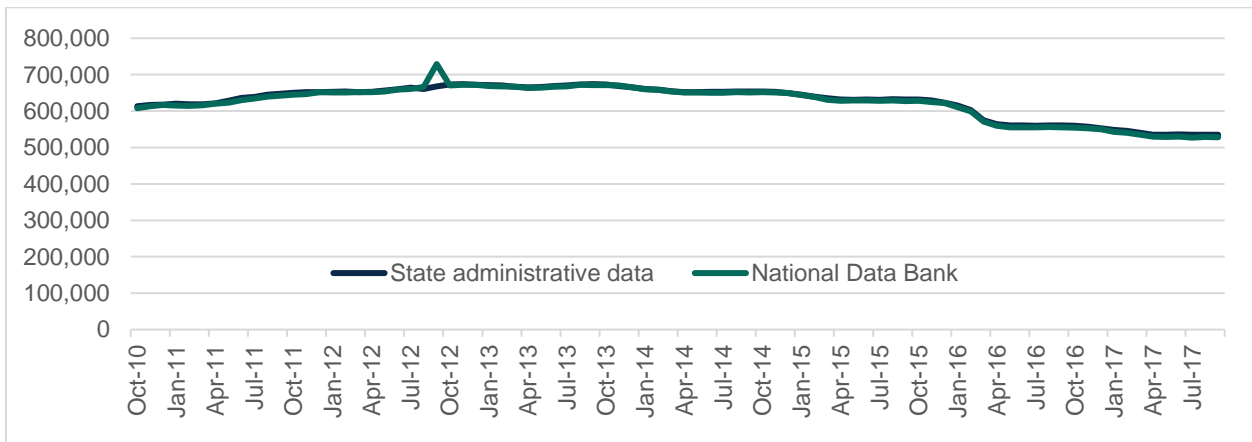
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Figure 5. Mississippi SNAP households



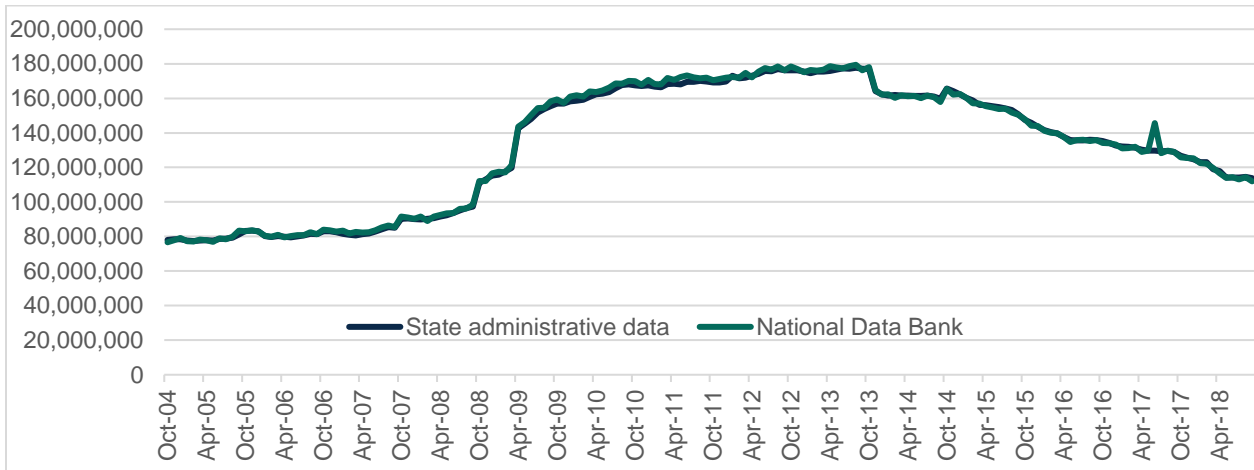
DRB Delegated Authority Approval Number CBDRB-FY21-CES014-003

Figure 6. Mississippi SNAP participants



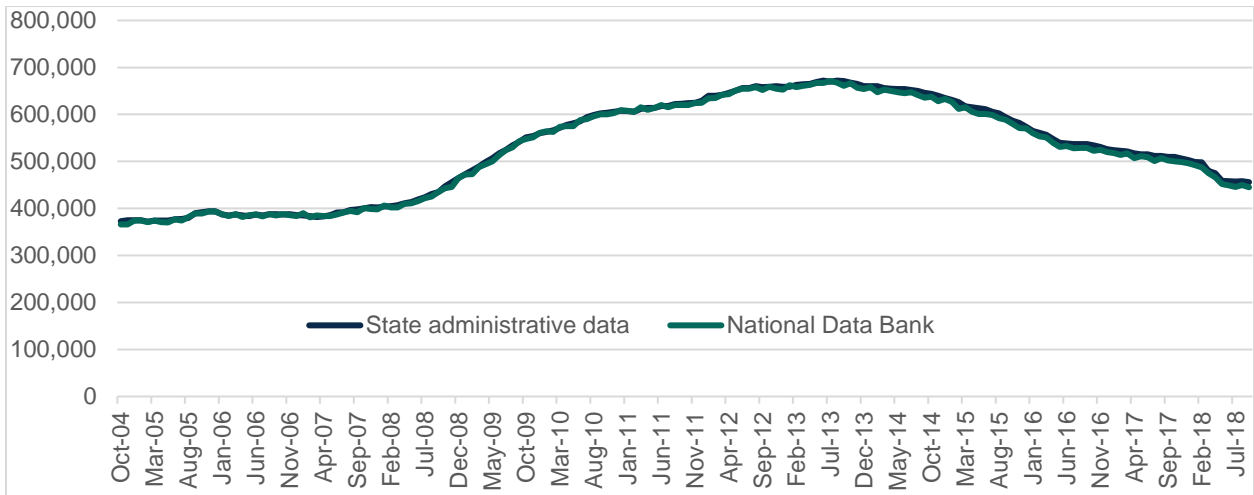
DRB Delegated Authority Approval Number CBDRB-FY21-CES014-003

Figure 7. Tennessee SNAP benefits



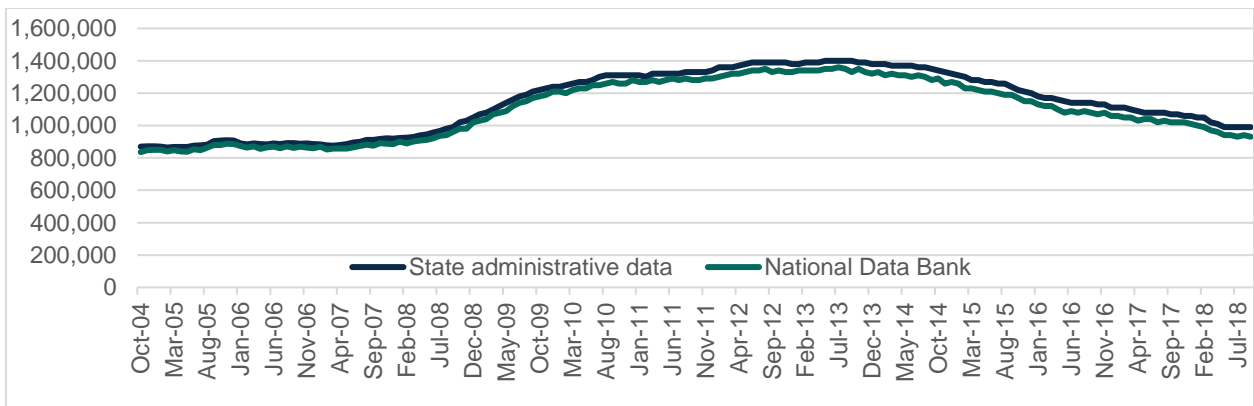
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Figure 8. Tennessee SNAP households



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Figure 9. Tennessee SNAP participants



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VI. Comparison of State Subpopulations with SNAP QC Data

We estimated subpopulation distributions of SNAP participants using the standardized State administrative data files and compared them with corresponding estimates from the SNAP QC data. Estimates for the available years for each State are provided in Appendix C. In general, the State administrative data estimates are similar to estimates from the SNAP QC data, with some exceptions described below. Differences between the edited State administrative data and the SNAP QC data may reflect actual differences between the data sets or may be due in part to the procedures we used to edit the State administrative data. If additional information is received from State staff about certain State data elements, the editing procedures could be revisited to determine whether discrepancies between the State administrative and SNAP QC data could be resolved.

Table 4 shows average SNAP participant age distributions in the edited State administrative data and the difference from the corresponding averages in SNAP QC data. (Differences are State administrative data averages minus SNAP QC averages.) For Mississippi and Tennessee, we estimated three-year averages (fiscal years 2015 to 2017) and for Illinois, two-year averages (fiscal years 2015 to 2016). We used a two-year average for Illinois because the fiscal year 2014 State administrative data show greater differences from the SNAP QC data than other years. For Illinois and Mississippi, the average age distributions of SNAP participants in the State administrative data are essentially the same as the average age distributions in the SNAP QC data. For Tennessee, however, the State administrative data show a higher percentage of non-elderly adults and lower percentages of children and elderly adults than in the SNAP QC data.

Table 4. Average age distribution of SNAP participants in State SNAP administrative data and difference from SNAP QC data, 2015 – 2017

	Illinois (2015 – 2016)		Mississippi (2015 – 2017)		Tennessee (2015 – 2017)	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Participants (number in thousands)	1,962	10	590	8	1,185	71
Age (percentage)						
Children (ages 0 to 17)	42	0	45	0	41	-2
Non-elderly adults (ages 18 to 59)	47	0	46	0	50	3
Elderly adults (ages 60 or older)	11	0	9	0	9	-1

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Table 5 shows average distributions of SNAP case subpopulations in the edited State administrative data and the difference from the corresponding averages in SNAP QC data. The demographic characteristics of the SNAP cases in the edited Illinois and Mississippi administrative data are similar to those in the SNAP QC data, although there may be slightly fewer SNAP cases with children and one adult in the Mississippi administrative data than in the Mississippi SNAP QC data. While the demographic characteristics of SNAP cases in the edited Tennessee administrative data are relatively aligned with those in the Tennessee SNAP QC data, there are greater differences than for the other two States. For example, the edited Tennessee administrative data have very few SNAP cases that consist only of children, compared to about three percent of SNAP cases in the Tennessee SNAP QC data. Conversely, the edited Tennessee administrative data have a slightly higher percentage of SNAP cases with children and at least two adults than do the Tennessee SNAP QC data.

Table 5. Average subpopulation distributions of SNAP cases in State SNAP administrative data and difference from SNAP QC data, 2015 – 2017

	Illinois (2015 – 2016)		Mississippi (2015 – 2017)		Tennessee (2015 – 2017)	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
SNAP cases (number in thousands)	1,012	-6	270	1	565	14
Subpopulations (percentage)						
SNAP case size						
One person	56	-1	48	0	52	-2
Two people	18	0	18	0	17	0
Three or four people	20	0	26	-1	23	1
Five or more people	6	1	8	0	8	1
Case composition						
With at least one child and one adult	39	0	47	1	42	1
and two or more adults	24	-1	29	-2	27	0
and no adults (child only)	9	0	14	1	15	4
No children	5	0	5	1	0	-3
and adult age 18 to 49	61	0	53	-1	58	0
With at least one elderly person and no one else	29	1	22	0	28	1
and only other elderly people	19	0	18	0	17	-1
and non-elderly people	16	-1	15	0	14	-1
No elderly people	2	0	1	0	1	0
	2	0	2	0	2	0
	81	0	81	0	83	1
Countable income as a percentage of poverty guidelines						
No gross income	32	4	22	-1	30	2
1 to 50 percent	14	-3	20	1	18	-2
51 to 100 percent	38	-3	48	0	41	-2
101 to 130 percent	12	1	10	0	11	1
131 percent or higher	4	1	0	0	1	0
Countable income source						
With earned income	24	-6	29	1	25	-2
One earner	23	-1	--	--	24	0
Two or more earners	1	0	--	--	1	0
With unearned income	53	4	59	-1	42	-11
and with earned income	7	0	10	0	3	-4
SNAP benefit size						
Minimum benefit or less	6	0	6	0	7	0
Maximum benefit	44	1	33	0	39	-1

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We see greater differences between the edited Illinois and Tennessee administrative and SNAP QC data when comparing the economic characteristics of SNAP cases. The edited Illinois administrative data have a higher percentage of SNAP cases with no gross income than the SNAP QC data, along with a lower percentage of SNAP cases with earned income and a higher percentage of SNAP cases with unearned income. The biggest difference between the two Tennessee data sets is the percentage of SNAP cases with unearned income—the average of 42 percent in the State administrative data is 11 percentage points less than in the SNAP QC data. The economic characteristics of Mississippi SNAP cases in the State administrative data are similar to those in the Mississippi SNAP QC data. (The Mississippi administrative

data do not include person-level data on earnings, so we cannot identify the number of earners in that data set.)

Table 6 shows average values in the edited State administrative data and the difference from the corresponding averages in SNAP QC data. Across all three States, the average SNAP case size, number of children in SNAP cases with children, and number of elderly adults in SNAP cases with elderly adults is the same in the State administrative data as in the SNAP QC data. The average income as a percentage of the federal poverty guideline is also essentially the same in both data sets for all three States. The Illinois administrative data have lower average gross earned income and higher average unearned income than the SNAP QC data, while the reverse is true for the Tennessee data; however, for both States the average SNAP benefit is similar across the State administrative and SNAP QC data sets. Average income values are relatively similar in the Mississippi administrative and SNAP QC data, but the State administrative data has a slightly higher average SNAP benefit than the SNAP QC data.

Table 6. Average SNAP case size, income, and benefits in State SNAP administrative data and difference from SNAP QC data, 2015 – 2017

	Illinois (2015 – 2016)		Mississippi (2015 – 2017)		Tennessee (2015 – 2017)	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
SNAP case size	1.9	0	2.2	0	2.1	0
Number of children (among cases with children)	2.1	0	2.1	0	2.1	0
Number of elderly adults (among cases with elderly adults)	1.1	0	1.1	0	1.1	0
Income as a percentage of poverty	53	0	53	0	50	1
Gross income (\$)	693	0	734	-3	689	33
Gross earned income (\$)	281	-25	316	6	287	26
Gross unearned income (\$)	448	61	417	-9	365	-29
SNAP benefit (\$)	249	-1	255	5	251	-2

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Overall, subpopulations of SNAP cases compare well between the edited State administrative data and SNAP QC data. As noted above, some of the differences may be due to difficulties cleaning and standardizing the State administrative data with incomplete information on some data files and variables.

VII. Comparison of State-by-State Administrative Data

We compared estimates across States of (1) SNAP program statistics for fiscal years 2011 to 2016, (2) monthly SNAP program statistics for fiscal year 2016, and (3) the number of SNAP cases per dwelling and the distribution of SNAP cases by the number of SNAP case members for fiscal years 2011 to 2016. The three sets of estimates, derived from standardized Illinois, Mississippi, and Tennessee administrative data files, are presented in detail in Appendix D.

Table 7 presents fiscal year 2011 to 2016 average percentages of SNAP households with specified characteristics for the three States. Comparing SNAP participant age, Illinois had a slightly higher average percentage of SNAP participants who were elderly compared to the other two States, while the Tennessee SNAP population had a slightly higher average percentage of non-elderly adults and a slightly

lower average percentage of children. Interestingly, the percentage of Illinois SNAP participants that were children decreased from fiscal year 2011 to fiscal year 2015, while the same was not true for Mississippi or Tennessee SNAP participants (Figure 10 and Table E.1).

Table 7. Comparison of SNAP subpopulation percentages in Illinois, Mississippi, and Tennessee administrative data, fiscal year 2011 to 2016 average

	Fiscal year 2011 – 2016 average percentage		
	Illinois	Mississippi	Tennessee
SNAP participant age			
Children (ages 0 to 17)	43	44	40
Non-elderly adults (ages 18 to 59)	47	48	52
Elderly adults (ages 60 or older)	10	8	8
SNAP case size			
One person	53	46	51
Two people	18	18	17
Three or four people	22	27	23
Five or more people	7	8	8
SNAP case composition			
With at least one child	42	47	42
and one adult	26	29	26
and two or more adults	10	15	16
and no adults (child only)	6	4	0
No children	58	53	58
and adult age 18 to 49	29	26	31
With at least one elderly person	17	16	16
and no one else	14	13	13
and only other elderly people	2	1	1
and non-elderly people	2	2	2
No elderly people	83	84	84
Countable income as a percentage of poverty guidelines			
No gross income	31	23	30
1 to 50 percent	16	21	18
51 to 100 percent	39	46	39
101 to 130 percent	11	10	11
131 percent or higher	3	0	1
Countable income source			
With earned income	22	28	24
One earner	21	--	23
Two or more earners	1	--	1
With unearned income	56	59	42
and with earned income	7	9	3
SNAP households by SNAP benefit			
Minimum benefit or less	4	4	6
Maximum benefit	39	31	36

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Figure 10. Trends in SNAP participant age distribution



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Comparing SNAP case characteristics, Mississippi has a lower average percentage of one person SNAP cases than the other two States and a higher average proportion of three and four person SNAP cases. Mississippi also has higher average percentages of SNAP cases with (1) at least one child and (2) at least one child and only one adult, and a lower percentage of SNAP cases with no children and an adult age 18 to 49. However, the average percentage of SNAP cases with at least one elderly person is similar across the three States. The standardized State administrative data indicate that Mississippi has a smaller average percentage of SNAP cases with no income and the maximum SNAP benefit than the other two States, while the average poverty distributions for Illinois and Tennessee are relatively similar to each other.

Table 8, which compares fiscal year 2011 to 2016 average values for the three States, indicates that average income as a percentage of the poverty level was lower in Tennessee than in the other two States, as was average gross income. Interestingly, the average SNAP benefit was also lower in Tennessee than in Illinois and Mississippi.

Table 8. Comparison of SNAP average values in Illinois, Mississippi, and Tennessee administrative data, fiscal year 2011 to 2016 average

	Fiscal year 2011 – 2016 average value		
	Illinois	Mississippi	Tennessee
SNAP case size	2.0	2.2	2.1
Number of children (among cases with children)	2.1	2.1	2.0
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1
Income as a percentage of poverty	52	52	49
Gross income (\$)	676	701	656
Gross earned income (\$)	252	299	273
Gross unearned income (\$)	454	401	342
SNAP benefit (\$)	263	265	257

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Tables 9 presents minimum and maximum monthly values in fiscal year 2016, as well as the difference between those values, for the three States. For most Illinois and Tennessee SNAP participant and case subgroups, the minimum and maximum monthly subgroup percentages varied by 2 percentage points or less. Exceptions for Illinois are SNAP cases with no gross income, which varied by 3 percentage points across fiscal year 2016, and SNAP cases with unearned income, which varied by 4 percentage points. The Tennessee percentage of SNAP cases with no gross income also varied by 3 percentage points, as did the Tennessee percentage of SNAP cases with no children and at least one adult age 18 to 49. However, Mississippi's waiver of work-related time limits for nondisabled adults without children ended in early 2016, leading to larger differences in the States' minimum and maximum monthly values. As shown in Table E.2, the percentage of SNAP cases with no children and an adult age 18 to 49 dropped from 27 percent in the first quarter of fiscal year 2016 to 17 percent for the last five months of the fiscal year. There was also a corresponding drop in percentage of SNAP cases with no gross income and the percentage receiving the maximum SNAP benefit.

We used the standardized State administrative data files to examine the prevalence of (1) households (dwelling units) with more than one SNAP case and (2) SNAP cases consisting of only one person (Table 10). In the standardized Tennessee administrative data, we found very few instances of households with more than one SNAP case. In the Illinois and Mississippi data, however, an average of 16 percent and 13 percent, respectively, of households with a SNAP case across fiscal year 2011 to fiscal year 2016 had more than one SNAP case. Among Illinois and Mississippi households with more than one SNAP case, over two thirds had at least one case with only one person. By comparison, in households with only one SNAP case, about half of Illinois SNAP cases and a slightly smaller percentage of Mississippi SNAP cases consisted of just one person.

Table 9. Comparison of SNAP subpopulation minimum and maximum monthly values in Illinois, Mississippi, and Tennessee administrative data, fiscal year 2016

	Fiscal year 2016 monthly values								
	Illinois			Mississippi			Tennessee		
	Min	Max	Diff	Min	Max	Diff	Min	Max	Diff
Participant age (percentage of participants)									
Children (ages 0 to 17)	42	42	0	44	47	3	41	42	1
Non-elderly adults (ages 18 to 59)	46	47	1	43	48	5	49	51	2
Elderly adults (ages 60 or older)	11	12	1	8	9	1	8	9	1
SNAP case size (percentage of cases)									
One person	56	56	0	47	49	2	51	52	1
Two people	18	18	0	17	18	1	17	17	0
Three or four people	20	20	0	25	27	2	23	23	0
Five or more people	6	6	0	8	9	1	8	9	1
SNAP case composition (percentage of cases)									
With at least one child	38	39	1	44	49	5	41	43	2
and one adult	24	25	1	27	30	3	26	28	2
and two or more adults	9	9	0	13	14	1	14	15	1
and no adults (child only)	5	5	0	4	5	1	0	0	0
No children	61	62	1	51	56	5	57	59	2
and adult age 18 to 49	28	29	1	17	27	10	26	29	3
With at least one elderly person	19	21	2	17	20	3	17	18	1
and no one else	16	17	1	14	17	3	14	15	1
and only other elderly people	2	2	0	1	1	0	1	1	0
and non-elderly people	42	42	0	50	52	2	47	48	1
No elderly people	79	81	2	80	83	3	82	83	1
Countable income as a percentage of poverty guidelines (percentage of cases)									
No gross income	30	33	3	17	25	8	28	31	3
1 to 50 percent	13	14	1	20	21	1	18	18	0
51 to 100 percent	38	39	1	45	51	6	40	42	2
101 to 130 percent	12	12	0	9	11	2	10	11	1
131 percent or higher	4	6	2	0	0	0	1	1	0
Countable income source (percentage of cases)									
With earned income	23	25	2	27	31	4	25	26	1
One earner	22	24	2	--	--	--	24	25	1
Two or more earners	1	1	0	--	--	--	1	1	0
With unearned income	51	55	4	57	62	5	41	43	2
and with earned income	6	8	2	9	10	1	3	3	0
SNAP benefit size (percentage of cases)									
Minimum benefit or less	6	7	1	5	6	1	7	8	1
Maximum benefit	42	44	2	29	36	7	37	39	2
Average values									
SNAP case size	1.9	2.0	0.1	2.1	2.2	0.1	2.1	2.1	0.0
Number of children (among cases with children)	2.1	2.1	0.0	2.1	2.1	0.0	2.1	2.1	0.0
Number of elderly adults (among cases with elderly adults)	1.1	1.1	0.0	1.1	1.1	0.0	1.1	1.1	0.0
Income as a percentage of poverty	52	56	4	51	57	6	48	51	3
Gross income (\$)	685	736	51	696	778	82	660	691	31
Gross earned income (\$)	265	312	47	300	339	39	283	294	11
Gross unearned income (\$)	431	477	46	396	440	44	342	359	17
SNAP benefit (\$)	243	248	5	252	254	2	250	253	3

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Table 10. SNAP households per dwelling and the distribution of SNAP households by the number of SNAP household members

	Percentage of dwellings						Average
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	
Illinois							
One case	86	85	83	83	82	85	84
One person	39	40	41	42	43	44	41
Larger than one	47	45	43	42	40	41	43
Two cases	12	12	13	13	14	12	13
All one person	4	4	5	5	5	5	4
Some one person	5	5	5	5	6	5	5
All larger than one	3	3	3	3	3	2	3
Three or more cases	3	3	3	4	4	3	3
All one person	1	1	1	1	1	1	1
Some one person	2	2	2	2	2	2	2
All larger than one	0	0	0	0	0	0	0
Mississippi							
One case	87	87	86	86	86	88	87
One person	34	35	36	36	37	38	36
Larger than one	53	51	51	50	49	50	51
Two cases	11	11	12	12	11	11	11
All one person	3	4	4	4	4	4	4
Some one person	5	5	5	5	5	5	5
All larger than one	3	3	3	3	2	2	3
Three or more cases	2	2	2	2	2	2	2
All one person	1	1	1	1	1	1	1
Other	2	1	2	2	2	2	2
Tennessee							
One case	100	100	100	100	100	100	100
One person	49	50	51	52	52	52	51
Larger than one	51	50	49	48	48	48	49
Two cases or more	1	1	1	0	0	0	0
All one person	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0

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VIII. Summary

We found that the Illinois, Mississippi, and Tennessee administrative data held by the Census Bureau produce counts that are generally similar to data from the National Data Bank and estimates from the SNAP QC data. Some discrepancies between the administrative data and the other data sources potentially could be resolved if additional documentation on the State administrative data file structure and contents were available. More complete documentation would also improve the quantity and quality of variables available on standardized State administrative data files.

We recommend that USDA and the Census Bureau continue to pursue the development of standardized SNAP administrative files that can be used for SNAP research. Specific recommendations include:

- Acquiring additional information from Illinois, Mississippi, and Tennessee about the administrative data provided by the State and refining the file processing procedures for those States
- Using the refined file processing procedures to standardize additional years of data recently received from Illinois, Mississippi, and Tennessee
- Creating standardized administrative data files for additional States

Appendix A

Codebook for standardized file

Table A.1. Codebook for standardized file

Variable name and label	Variable description and values	Type	Length	Variable derivation
State, region, and time period				
STATENAME: State name	Illinois, Mississippi, Tennessee	Char	8	Mathematica
STATE: State FIPS code	17 Illinois	Num	8	Mathematica
	28 Mississippi			
	47 Tennessee			
REGIONCD: FNS region	3 Southeast Region	Num	8	Mathematica
	4 Midwest Region			
REGION: Census region	2 Midwest	Num	8	Mathematica
	3 South			
FISCALYEAR: Fiscal year	Format is YYYY	Num	8	Mathematica
HALFYEAR: Indicator of mid-year change to maximum benefit	0 No mid-year change	Num	8	Mathematica (Used to merge on SNAP maximum benefit amounts)
	1 First half of fiscal year			
	2 Second half of fiscal year			
YRMONTH: Benefit year and month	Format is YYYYMM	Char	6	IL: TRANSACTION_DATE (CYMMDD)
		Char	6	MS: benefit_month (YYYYMM)
		Char	8	TN: DTE_AS_OF or REPORT_MONTH and REPORT_YEAR
Dwelling, case, and person identification				
MAFID: Master Address File Identifier	Individuals living together	Num	8	Census Bureau
HHLID_ID: Dwelling unit identifier	Individuals living together	Char	16	IL, MS: Variable not available TN: RECD-ID (w/o CDE_CATG)
CASE_ID: SNAP household ID	Individuals receiving benefits together	Char	13	IL: CASE_ID_NUMBER
		Char	9	MS: case_number
		Char	16	TN: RECD-ID
PIK: PVS Validated PIK	Individual identification number	Char	9	Census Bureau
PERSON_ID: Person identifier	Individual identification number	Char	9	IL: RECIPIENT_NUMBER
		Num	8	MS: client_number TN: Variable not available

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Variable name and label	Variable description and values	Type	Length	Variable derivation
CARRA_UID: CARRA Unique ID for Client Record	Individual identification number	Char	21	Census Bureau (not retained on IL or MS)
Case type, status, and certification period				
SNAP_CASE: SNAP case indicator	0 Not a SNAP case	Num	8	IL: Variable not available
	1 SNAP case			MS: program_type (FS) TN: CDE_PROG (FS)
TANF_CASE: TANF case indicator	0 Not a TANF case	Num	8	IL: Variable not available
	1 TANF case			MS: program_type (AF) TN: CDE_PROG (ADC)
SNAP_TYPE: Type of SNAP case	0 Not MSCAP or ESAP	Num	8	IL: Variable not available
	1 MSCAP			MS: county_name
	2 Elderly Simplified Application Project			TN: Variable not available
CASE_STATUS: Case status	1 Open/active	Num	8	IL: CASE_STATUS
	2 Closed (TN) Cancelled or denied (IL)			MS: Variable not available
	3 Denied (TN)			TN: CDE_STAT_AG
CERT_END: Certification end date	Format is YYYYMM (IL), MMDDYYYY (MS)	Char	6	IL: SNAP_BEN_EXP_DATE
		Char	8	MS: eligibility_due_date TN: Variable not available
Case income, expenses, and benefits				
FSGRINC: Gross countable income	SNAP household's monthly gross income	Num	8	IL: GROSS_INCOME_AMOUNT MS: total_gross_income TN: AMT-GROSS-INCOME
FSNETINC: Net countable income	SNAP household's monthly net income	Num	8	IL: NET_INCOME_AMOUNT MS: total_net_nonexempt_income TN: AMT-NET-INCOME
FSEARN: Gross earned income	SNAP household's monthly earnings (including self-employment)	Num	8	IL: sum of EARN MS: total_gross_earned_income TN: sum of EARN and SLFEMP
FSUNEARN: Gross unearned income	SNAP household's monthly unearned income	Num	8	IL: FSGRINC - FSEARN MS: total_unearned_income TN: sum of UNEARN
STANDDED: Standard deduction	SNAP household's standard deduction	Num	8	IL and TN files: Mathematica MS: standard_deduction_amount
FSDEPDED: Dependent care deduction	SNAP household's dependent care deduction	Num	8	MS: child_care_amount IL, TN: Variable not available

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Variable name and label	Variable description and values	Type	Length	Variable derivation
FSCSDED: Child support expense	SNAP household's child support expense deduction	Num	8	MS: child_support_amount IL, TN: Variable not available
FSMEDDED: Medical expense deduction	SNAP household's medical expense deduction	Num	8	MS: medical_deduction_amount IL, TN: Variable not available
HOMELESS_DEDED: Homeless standard deduction	Standard deduction for homeless SNAP household	Num	8	MS: homeless_stand_deduction_amt IL, TN: Variable not available
RENT: Housing cost	SNAP household's housing cost	Num	8	MS: total_housing_cost IL, TN: Variable not available
UTIL: Utility cost	SNAP household's utility cost	Num	8	MS: total_utility_cost IL, TN: Variable not available
FSSLTEXP: Total shelter expenses	SNAP household's total shelter expenses	Num	8	MS: total_housing_utility_cost IL, TN: Variable not available
FSSLTDED: Excess shelter expense deduction	SNAP household's excess shelter expense deduction	Num	8	MS: allowable_shelter_deduction IL, TN: Variable not available
SHELAP: Maximum shelter deduction	SNAP household's maximum excess shelter expense deduction	Num	8	MS: max_shelter_cost_amount IL, TN: Mathematica
GRSSCRN: Gross income screen	Gross income eligibility threshold	Num	8	Mathematica
NETSCRN: Net income screen	Net income eligibility threshold	Num	8	Mathematica
FSGRTEST: Gross income test indicator	0 Did not pass the gross income test	Num	8	MS: gross_income_test_result IL, TN: Variable not available
	1 Passed the gross income test			
FSNETEST: Net income test indicator	0 Did not pass the net income test	Num	8	MS: result_income_test IL, TN: Variable not available
	1 Passed the gross income test			
FSBEN: SNAP benefit amount(MS: SNAP benefit allotment)	SNAP household's monthly benefit (MS: SNAP household's monthly calculated allotment)	Num	8	IL: SNAP_BENEFIT_AMT MS: allotment_amount TN: AMT_BENEFIT
FSBEN_ISSUE: Issued SNAP benefit amount	SNAP household's issued monthly SNAP benefit	Num	8	MS: total_issue_amount IL, TN: Variable not available
AMTADJ: Allotment adjustment amount	Amount SNAP household's benefit was adjusted	Num	8	MS: recoupment_amount IL, TN: Variable not available
	1 No adjustment			
ALLADJ: Allotment adjustment type	3 Other adjustment	Num	8	MS: Mathematica, using recoupment_amount IL, TN: Variable not available
	4 Recoupment			
BENMAX: Maximum SNAP benefit amount	Maximum SNAP benefit amount	Num	8	Mathematica

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Variable name and label	Variable description and values	Type	Length	Variable derivation
FSMAXBEN: Received maximum SNAP benefit	0 Did not receive the maximum benefit	Num	8	Mathematica
	1 Received the maximum benefit			
BENMIN: Minimum SNAP benefit amount	Minimum benefit amount for 1-2 person SNAP households	Num	8	Mathematica
FSMINBEN: Received minimum SNAP benefit	0 Did not receive the minimum benefit	Num	8	Mathematica
	1 Received the minimum benefit			
Case demographics				
FSUN: SNAP household head identifier	Client number of household head	Num	8	IL: Variable not available
	PIK of SNAP household head	Char	9	MS: head_of_household_client_number TN: Census Bureau / Mathematica
HEAD: SNAP household head flag	0 No	Num	8	Mathematica
	1 Yes			
TPOV: Poverty level	SNAP household's gross income as a percentage of poverty level (NETSCRN)	Num	8	Mathematica
FSUSIZE: SNAP household size	Number of participants in SNAP household	Num	8	IL: NUM_EATING_TOGETHER MS: benefit_household_size TN: Mathematica
FSNELDER: Number of elderly participants	Number of participants age 60 or older in SNAP household	Num	8	Mathematica
FSELDER: Elderly person in SNAP household flag	0 No	Num	8	Mathematica
	1 Yes			
FSNADULT: Number of non-elderly adult participants	Number of participants age 18 or older in SNAP household	Num	8	IL, TN: Mathematica MS: benefit_adult_count
FSNADLT50: Number of adult participants under age 50	Number of adults under age 50 in SNAP household	Num	8	Mathematica
FSNKID: Number of child participants	Number of participants under age 18 in SNAP household	Num	8	IL, TN: Mathematica MS: benefit_child_count
FSKID: Child in SNAP household flag	0 No	Num	8	Mathematica
	1 Yes			
COMPOSITION: SNAP household composition	0 No children	Num	8	IL: Variable not available MS, TN: Mathematica (using REL)
	1 Child(ren) only			
	2 Child(ren) and one male adult			
	3 Child(ren) and one female adult			
	4 Child(ren) and married head			
5 Child(ren) and other multiple adults				

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Variable name and label	Variable description and values	Type	Length	Variable derivation
Person income				
EARN: Person gross earnings	Person's monthly earnings	Num	8	IL: EMPLOYMENT_DOLLAR_AMT MS: Variable not available TN: AMT-INC-ERN-GRS
EARN_FLG: Person earnings indicator	0 No 1 Yes	Num	8	IL: EARNED_INCOME MS, TN: Variable not available
EARNERS: Number with earnings	Number with earnings in SNAP household	Num	8	IL: MS: Variable not available TN
SLFEMP: Person self-employment income	Person's monthly self-employment income	Num	8	TN: AMT-INC-SELF-GRS
SLFEMP_FLG: Person self-employment indicator	0 No 1 Yes	Num	8	IL: SELF_EMPLOYMENT_INDS MS, TN: Variable not available
EMP_FLG: Person employment indicator	0 No 1 Yes	Num	8	IL: EMPLOYMENT_INCOME MS, TN: Variable not available
UNEARN: Person unearned income	Person's monthly unearned income	Num	8	TN: AMT-INC-UNERN-GROSS
UNEMP_FLG: Person unemployment benefit indicator	0 No 1 Yes	Num	8	IL: UNEMPLOYMENT_INCOME MS, TN: Variable not available
TANF_FLG: Person TANF income indicator	0 No 1 Yes	Num	8	IL: TANF_INCOME MS, TN: Variable not available
SSI: Person SSI income	Person's monthly SSI income	Num	8	MS: ssi_income_amount
SSI_FLG: Person SSI income indicator	0 No 1 Yes	Num	8	IL: SSI_INCOME MS, TN: Variable not available
SOCSEC_FLG: Person Social Security indicator	0 No 1 Yes	Num	8	IL: SSA_INCOME MS, TN: Variable not available
OTHER_INC_FLG: Person other income indicator	0 No 1 Yes	Num	8	IL: OTHER_INCOME MS, TN: Variable not available
Person demographics				
AGE: Age at end of month	Range is 0 - 98 (top-coded)	Num	8	IL: BIRTH_DATE MS: date_of_birth TN: DTE_BIRTH
SEX: Sex/gender	1 Male 2 Female	Num	8	IL: GENDER MS: client_sex TN: CDE_SEX_IND

Variable name and label	Variable description and values		Type	Length	Variable derivation
DIS: Disability indicator	0	Not disabled	Num	8	MS: disability_flag IL, TN: Variable not available
	1	Disabled			
CTZN_FLG: Citizen indicator	0	Not a US citizen	Num	8	MS: citizenship_switch IL, TN: Variable not available
	1	US citizen			
Relationship					
REL: Relationship to head	1	head	Num	8	TN: CDE_REL
	2	spouse			
	3	parent			
	4	son/daughter			
	5	other relative			
	6	foster child			
	7	unrelated			
relationship: relationship	CH	child	Char	2	Mississippi (unedited)
	GH	grandchild			
	NR	no relation			
	PI	case head			
	SI	sibling			
	SP	spouse			
	UN	uncle			
		AU, EX, FC, GC, GR, LP, NN, NW, OR, PA, SB, SC, ST			
RELATIONSHIP_CODE	varies		Char	2	Illinois (unedited)
Race/ethnicity					
RACETH: Race and ethnicity	1	race and ethnicity unknown	Num	8	Illinois (edited to match SNAP QC values): RACE_CODE_1 - RACE_CODE_6 ETHNICITY_CODE
	2	not Hispanic, race unknown			
	3	not Hispanic, American Indian or Alaska Native (AI/AN)			
	4	not Hispanic, Asian			
	5	not Hispanic, Black or African American			
	6	not Hispanic, Native Hawaiian or other Pacific Islander (NH/PI)			
	7	not Hispanic, white			
	8	not Hispanic, AI/AN, white			
	9	not Hispanic, Asian, white			
	10	not Hispanic, Black, white			
	11	not Hispanic, AI/AN, Black			

Variable name and label	Variable description and values	Type	Length	Variable derivation
RACETH: Race and ethnicity (continued)	12 not Hispanic, other multiple races	Num	8	Illinois (edited to match SNAP QC values): RACE_CODE_1 - RACE_CODE_6 ETHNICITY_CODE
	13 Hispanic, AI/AN			
	14 Hispanic, Asian			
	15 Hispanic, Black or African American			
	16 Hispanic, NH/PI			
	17 Hispanic, white			
	18 Hispanic, AI/AN, white			
	19 Hispanic, Asian, white			
	20 Hispanic, Black, white			
	21 Hispanic, AI/AN, Black			
	22 Hispanic, other multiple races			
23 Hispanic, race unknown				
CDE-ETHNIC: Race	A Asian or Pacific Islander			Tennessee (unedited)
	B Black, Not of Hispanic Origin			
	H Hispanic Origin			
	I American Indian or Alaskan Native			
	L Latin American			
	O Oriental			
	S Southeast Asian			
	W White, Not of Hispanic Origin			
X Other				
CDE-ETHNICITY: Ethnicity	H Hispanic	Char		Tennessee (unedited)
	O Other			
ETHNICITY: Race/ethnicity	0 Missing	Num		Mississippi: ethnicity_ak ethnicity_as ethnicity_ba ethnicity_hl ethnicity_hp ethnicity_ot ethnicity_wh
	1 Alaska Native			
	2 Asian			
	3 Black			
	4 Hispanic			
	5 Asian Pacific			
	6 Other			
	7 White			
Education				
EDUCATION_LEVEL: Education level	A None	Char	1	Illinois (unedited)
	B Completed less than 7th grade			
	C Completed 7th grade			
	D Completed 8th grade			
	E Completed 9th or 10th grade			

Variable name and label	Variable description and values	Type	Length	Variable derivation
EDUCATION_LEVEL: Education level (continued)	F Completed 11th grade	Char	1	Illinois (unedited)
	G Completed GED			
	H High school diploma			
	V Postsecondary or Vocational Training			
	W One year college			
	X 2 years college			
	Y 3 years college			
	Z College graduate (bachelor's degree)			
highest_grade_completed: Education level	P Post graduate college degree	Char	2	Mississippi (unedited)
	FG First grade			
	SG Second grade			
	TG Third grade			
	HG Fourth grade			
	IG Fifth grade			
	XG Sixth grade			
	VG Seventh grade			
	EG Eighth grade			
	NG Ninth grade			
	TE Tenth grade			
	EF Eleventh grade			
	TF Twelfth grade			
TW, GD, PG Coding unknown				
NO None				
CDE_EDUC: Education level	CO College	Char	2	Tennessee (unedited)
	EL Elementary			
	MP Mental/Physical Handicap			
	OT Others			
	PR Parochial			
	PS Post Secondary			
SE Secondary/High School				
Other, State-specific				
Illinois				
APPLICATION_DATE	Format is: CCYYMMDD	Char	8	Illinois
APP_DISPOS_CANCEL: Application Disposition or Cancelation	A Approved	Char	2	Illinois
	D Denied			
	C Cancelled			

Final assessment of the quality of State SNAP administrative data

Variable name and label	Variable description and values	Type	Length	Variable derivation
DISPOSITION_REASON	See State documentation	Char	2	Illinois
EMPLOYMENT_HOURS		Char	2	Illinois
PARTICIPANT	0 Not participating 1 Participating	Num	8	Mathematica
REPORTING_CODE: Type of reporting	R Simplified reporting RX Change reporting	Char	2	Illinois
STATUS_INDICATOR_ARRAY	Indicates months of participation	Char	12	Illinois
TRANSACTION_DATE	Format is: CCYYMMDD	Char	8	Illinois
Mississippi				
application_date: Application date	Format is: MMDDYYYY	Char	8	Mississippi
BENADULT		Num	8	MS: benefit_adult_count
BENKID		Num	8	MS: benefit_child_count
BENSIZ: SNAP household size		Num	8	MS: benefit_household_size
benefit_amount_num		Num	8	MS: benefit_amount
benefit_available_date: Benefit available date	Format is: MMDDYYYY	Char	8	Mississippi
benefit_flag: benefit_flag		Char	1	Mississippi
budget_method: Budget method	Y Retrospective N Prospective	Char	1	Mississippi
cash_assist_grant_amount		Char	12	Mississippi
effective_month		Char	6	Mississippi
excess_shelter_cost		Char	12	Mississippi
expiration_month		Char	6	Mississippi
fs_participation_code		Char	2	Mississippi
FSSTDDED: Standard deduction		Num	8	MS: standard_deduction_amount
half_tot_adjusted_gross_income		Char	12	Mississippi
HHSIZE	Number of people in dwelling unit	Num	8	MS: actual_household_size
HHADULT	Number of people age 18 and older in dwelling unit	Num	8	MS: actual_adult_count
HHCHILD	Number of people under age 18 in dwelling unit	Num	8	MS: actual_child_count
homeless_switch: Homeless indicator	H Homeless M Meaning unknown	Char	1	Mississippi

Final assessment of the quality of State SNAP administrative data

Variable name and label	Variable description and values		Type	Length	Variable derivation
MEMBER	0/1 flag		Num	8	MS: fs_participation_code
OTHGOV			Num	8	MS: other_government_income
position_on_application	01	CASE HEAD PRIMARY INDIVIDUAL	Char	2	Mississippi
primary_language_code	EN	English	Char	2	Mississippi
	SP	Spanish			
	VI	Vietnamese			
	OT	Other			
primary_written_language	EN	English	Char	2	Mississippi
	SP	Spanish			
	VI	Vietnamese			
	OT	Other			
program_type_case			Char	2	Mississippi
SSD			Num	8	MS: ssd_income_amount
SSDAC			Num	8	MS: ssdac_income_amount
standard_utility_switch: Standard utility switch	B	Invalid data, assume "not used"	Char	1	Mississippi
	N	Standard utility not used			
	Y	Standard utility amount used			
state_identifying_number			Char	9	Mississippi
total_adjusted_gross_income			Char	12	Mississippi
VETAID			Num	8	MS: veterans_disability_income
VETDIS			Num	8	MS: gross_bet_aid_attend_income
Tennessee					
CDE_CATG: Category	Contatenation of CDE_PROG, CDE_PROG_SUB, NBR_SEQ_PROG		Char	6	Tennessee
CDE_PROG_SUB: TANF Sub Program Code	R	Absent parent or pregnant woman	Char	1	Tennessee
	U	Unemployed principal wage earner			
	I	Incapacitated parent			
CDE_STAT_PRTCPN: Person's participation status	AP	Individual in Applicant Status	Char	2	Tennessee
	DA	Deemed Adult			
	DC	Deemed Child			
	DM	Deemed Minor Caretaker's Parent			
	DP	Deemed Sponsor			
DR	Deemed Relative				

Variable name and label	Variable description and values	Type	Length	Variable derivation	
CDE_STAT_PRTCPN: Person's participation status (continued)	DS	Deemed Spouse	Char	2	Tennessee
	DT	Deemed Stepparent			
	EA	Participating Adult			
	EC	Participating Child			
	ER	Participating Specified Relative			
	NA	Non-Participating Adult			
	NC	Non-Participating Child			
	RC	Removable Child			
	XA	Transfer Adult			
	XC	Removable Child			
PARTICIPATION_STATUS: Participation status recode	1	Participating (EA,EC,ER)	Num	8	Mathematica
	2	Deemed (DA,...)			
	3	Non-participating (NA,NC)			
SW_FACE_TOFACE: Type of interview and reporting	F	Simplified Reporting household with a face to face interview	Char	1	Tennessee
	P	Simplified Reporting household with a phone interview			
	OT	Household that is not being placed in Simplified Reporting			
	N	No contact			
SW_TCC_TM_EM_POSSIBLE: Eligibility for transitional childcare	0	Receiving cash benefit or not potentially eligible for TCC	Char	1	Tennessee
	1	Not receiving cash benefit and potentially eligible for TCC			

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Appendix B

Comparison of State administrative and National Data Bank data

Table B.1.a. SNAP households, participants, and benefits in Illinois SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2009 – 2011

Fiscal year	Illinois SNAP households		Illinois participants		Illinois benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (\$1,000's)	Percentage difference
2009	7,760	-5	17,060	-3	2,144,300	-8
October	591	-8	1,310	-8	153,400	-14
November	593	-6	1,310	-4	153,400	-10
December	613	-3	1,360	-1	158,400	-6
January	623	-5	1,370	-4	159,900	-8
February	641	-3	1,410	-1	161,800	-8
March	647	-4	1,420	-2	168,400	-5
April	655	-5	1,440	-3	193,600	-8
May	666	-4	1,460	-2	196,000	-7
June	676	-4	1,480	-2	198,400	-6
July	677	-5	1,480	-3	198,100	-8
August	683	-4	1,500	-2	200,100	-7
September	695	-4	1,520	-2	202,800	-7
2010	8,915	-4	19,260	-2	2,563,300	-8
October	707	-4	1,540	-3	205,700	-8
November	715	-3	1,560	-1	207,600	-5
December	727	-4	1,580	-2	210,400	-9
January	725	-4	1,580	-2	210,800	-7
February	733	-3	1,590	-1	212,500	-7
March	737	-4	1,590	-2	212,400	-8
April	742	-4	1,600	-2	213,100	-7
May	753	-4	1,620	-2	215,700	-7
June	765	-3	1,650	0	218,200	-6
July	758	-5	1,620	-3	215,000	-8
August	777	-3	1,670	-2	221,300	-6
September	776	-9	1,660	-10	220,600	-16
2011	9,936	-4	21,070	-2	2,787,400	-7
October	781	-5	1,670	-3	221,300	-8
November	800	-3	1,710	-1	226,000	-5
December	822	-4	1,760	-2	232,200	-7
January	831	-4	1,770	-2	234,100	-6
February	842	-2	1,790	-1	237,400	-4
March	828	-5	1,750	-4	232,100	-9
April	843	-3	1,780	-2	236,200	-7
May	839	-3	1,780	-1	234,900	-5
June	836	-4	1,770	-3	233,600	-8
July	827	-4	1,740	-3	230,000	-8
August	839	-4	1,770	-2	233,700	-8
September	848	-4	1,780	-3	235,900	-8

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Table B.1.b. SNAP households, participants, and benefits in Illinois SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2012 – 2014

Fiscal year	Illinois SNAP households		Illinois participants		Illinois benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (\$1,000's)	Percentage difference
2012	10,569	-4	21,940	-2	2,911,400	-7
October	855	-4	1,790	-2	238,700	-7
November	863	-4	1,810	-2	240,300	-7
December	863	-5	1,810	-4	239,900	-10
January	856	-4	1,780	-2	236,800	-6
February	860	-4	1,790	-2	236,200	-8
March	856	-5	1,780	-4	234,000	-11
April	871	-2	1,810	-1	238,900	-6
May	875	-4	1,810	-2	239,800	-7
June	882	-4	1,830	-2	241,900	-7
July	910	-2	1,880	-1	249,800	-4
August	930	-4	1,910	-3	255,100	-6
September	948	-3	1,940	-2	260,000	-5
2013	11,600	-5	22,780	-7	2,918,800	-14
October	960	-3	1,960	-2	264,300	-6
November	980	-2	2,000	0	268,900	-3
December	990	-3	2,010	-2	270,500	-5
January	970	-4	1,870	-8	238,100	-16
February	960	-5	1,860	-8	234,800	-17
March	940	-8	1,820	-11	229,400	-20
April	950	-7	1,830	-10	229,900	-18
May	950	-8	1,850	-10	231,000	-19
June	970	-8	1,890	-12	236,200	-22
July	970	-5	1,890	-7	237,600	-6
August	980	-4	1,900	-7	239,500	-16
September	980	-3	1,900	-5	238,600	-14
2014	11,990	-2	23,680	-2	2,993,400	-7
October	980	-4	1,900	-6	240,500	-16
November	970	-4	1,890	-6	238,200	-9
December	970	-4	1,870	-7	236,000	-10
January	980	-3	1,970	-2	247,500	-6
February	990	-1	1,990	1	250,300	-4
March	990	-3	1,980	-1	250,100	-6
April	1,000	-2	2,000	0	252,500	-5
May	1,010	-2	2,000	-1	253,300	-5
June	1,020	-1	2,020	0	256,100	-4
July	1,020	-2	2,020	0	255,900	-5
August	1,030	-1	2,020	0	256,700	-4
September	1,030	-1	2,020	0	256,300	-4

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Table B.1.c. SNAP households, participants, and benefits in Illinois SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2015 – 2016

Fiscal year	Illinois SNAP households		Illinois participants		Illinois benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (\$1,000's)	Percentage difference
2015	12,540	-1	24,390	-1	3,177,700	-4
October	1,040	-1	2,040	0	268,100	-4
November	1,050	0	2,050	0	269,500	-2
December	1,060	-1	2,060	-1	270,300	-4
January	1,050	-2	2,050	0	268,300	-4
February	1,060	0	2,060	0	268,600	-3
March	1,050	-2	2,040	-1	266,000	-4
April	1,050	-2	2,050	0	266,200	-3
May	1,050	-1	2,030	0	264,300	-3
June	1,040	-2	2,020	-1	262,500	-4
July	1,030	-3	2,000	-1	258,800	-5
August	1,030	-2	2,000	0	258,400	-4
September	1,030	-2	1,990	-1	256,700	-5
2016	11,730	-2	22,720	-1	2,873,100	-6
October	1,020	-3	1,980	-1	254,600	-5
November	1,030	-1	1,990	0	255,300	-3
December	1,010	-2	1,940	-2	248,100	-6
January	970	-3	1,870	-2	238,100	-7
February	960	-1	1,860	1	234,800	-4
March	940	-3	1,820	-3	229,400	-9
April	950	0	1,830	0	229,900	-6
May	950	-1	1,850	1	231,000	-4
June	970	-2	1,890	-2	236,200	-5
July	970	-3	1,890	-2	237,600	-5
August	980	-2	1,900	-2	239,500	-5
September	980	-2	1,900	-2	238,600	-6

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Table B.2.a. SNAP households, participants, and benefits in Mississippi SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2011 – 2013

Fiscal year	Mississippi SNAP households		Mississippi participants		Mississippi benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (\$1,000's)	Percentage difference
2011	3,270	0	7,523	1	914,200	-1
October	264	0	613	1	73,780	-1
November	267	0	617	1	74,430	-1
December	267	-1	618	0	74,570	-1
January	269	0	620	1	75,140	0
February	269	0	619	1	75,210	0
March	269	0	619	0	75,190	0
April	270	-1	621	0	75,660	0
May	273	0	628	1	76,550	-4
June	277	0	636	1	77,590	-1
July	279	0	639	1	78,180	0
August	282	0	645	1	78,790	0
September	284	0	648	1	79,120	0
2012	3,514	-1	7,875	-1	961,700	-2
October	286	0	650	1	79,530	0
November	288	0	652	1	79,580	0
December	289	-1	652	0	79,670	-1
January	290	-1	653	0	78,830	0
February	292	0	654	0	79,320	0
March	292	-1	652	0	79,290	0
April	292	-1	653	0	79,590	0
May	293	-1	656	0	80,010	0
June	296	-1	660	0	80,950	0
July	298	0	664	0	81,590	0
August	297	-2	661	-1	80,990	-2
September	301	-8	668	-8	82,380	-15
2013	3,642	-1	8,044	0	989,900	0
October	304	0	673	0	82,910	-1
November	305	0	674	0	83,200	0
December	303	-1	672	0	82,890	-1
January	303	-1	671	0	82,080	0
February	303	0	670	0	82,320	0
March	302	-1	667	0	81,940	0
April	301	0	665	0	81,750	0
May	302	0	666	0	81,890	0
June	303	-1	669	0	82,380	0
July	303	-1	670	0	82,470	0
August	306	0	673	0	82,950	0
September	307	0	674	0	83,120	0

Table B.2.b. SNAP households, participants, and benefits in Mississippi SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2014 – 2016

Fiscal year	Mississippi SNAP households		Mississippi participants		Mississippi benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference
2014	3,609	-1	7,900	0	909,200	0
October	307	0	673	0	83,090	-1
November	305	-1	669	0	76,450	-1
December	303	-1	665	0	75,950	0
January	301	-1	661	0	75,000	0
February	300	-1	659	0	75,120	0
March	299	0	655	0	74,790	0
April	298	0	652	0	74,420	-1
May	298	-1	652	0	74,460	-2
June	299	0	653	0	74,820	0
July	299	0	653	0	74,900	0
August	300	0	654	0	75,140	0
September	300	0	654	0	75,030	0
2015	3,543	0	7,667	0	916,500	0
October	301	0	654	0	79,000	0
November	301	0	653	0	78,860	0
December	299	-1	649	0	78,270	-1
January	298	0	645	0	77,220	0
February	296	0	640	0	76,640	0
March	293	0	635	1	75,750	0
April	292	0	632	1	75,330	0
May	291	0	631	0	75,130	0
June	292	0	632	0	75,170	0
July	292	0	631	0	74,960	0
August	294	0	633	1	75,190	0
September	294	0	632	1	74,930	0
2016	3,234	0	7,045	1	817,700	0
October	295	0	632	1	75,030	0
November	295	0	629	1	74,650	0
December	292	0	623	0	73,800	0
January	288	0	615	1	72,690	1
February	281	0	603	1	70,910	0
March	262	0	575	1	66,040	0
April	255	0	564	1	64,370	0
May	253	0	561	1	63,830	1
June	253	0	561	1	63,940	0
July	253	0	560	1	64,030	0
August	254	1	561	1	64,200	0
September	253	0	561	1	64,240	1

Table B.2.c. SNAP households, participants, and benefits in Mississippi SNAP administrative data and the percentage difference from National Data Bank totals, fiscal year 2017

Fiscal year	Mississippi SNAP households		Mississippi participants		Mississippi benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference
2017	2,948	1	6,515	1	748,800	1
October	253	0	560	1	64,320	1
November	252	0	557	1	63,990	0
December	249	0	553	1	63,490	0
January	248	0	548	1	62,800	1
February	247	1	546	1	62,670	1
March	244	0	540	1	61,970	1
April	242	0	535	1	61,530	1
May	242	0	535	1	61,480	0
June	243	1	536	1	61,730	1
July	242	1	535	2	61,610	1
August	243	1	535	1	61,640	1
September	243	1	535	1	61,580	1

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Table B.3.a. SNAP households, participants, and benefits in Tennessee SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2005 – 2007

Fiscal year	Tennessee SNAP households		Tennessee participants		Tennessee benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (\$1,000's)	Percentage difference
2005	4,517	1	10,490	3	941,000	0
October	373	2	869	4	78,120	2
November	375	2	872	3	78,500	1
December	375	0	871	3	78,410	-1
January	375	0	870	2	77,660	1
February	372	0	864	3	77,380	0
March	374	0	867	2	77,650	-1
April	374	1	868	3	77,840	0
May	374	1	868	3	77,730	1
June	377	0	875	2	78,550	-1
July	378	1	877	3	78,860	1
August	380	-1	882	2	79,400	-1
September	390	0	903	3	81,200	-3
2006	4,656	0	10,710	3	973,000	0
October	392	1	907	3	83,310	0
November	394	0	909	2	83,470	0
December	394	0	907	2	83,030	0
January	387	0	890	2	80,240	0
February	385	0	884	2	79,750	0
March	387	0	890	2	80,250	-1
April	385	1	885	3	79,830	0
May	384	-1	883	2	79,510	-1
June	387	0	890	2	80,120	-1
July	385	1	885	3	80,720	0
August	388	0	892	2	81,540	-1
September	388	1	891	3	81,390	0
2007	4,659	0	10,680	3	993,000	-1
October	387	0	887	2	82,990	-1
November	388	1	890	3	83,080	-1
December	386	1	885	3	82,460	0
January	385	-1	884	2	81,640	-2
February	384	1	878	3	81,080	-1
March	382	-1	876	2	80,710	-2
April	383	0	879	3	81,350	-1
May	386	1	885	3	81,760	-1
June	391	1	896	4	82,900	-1
July	392	0	899	3	84,180	-1
August	397	1	911	3	85,380	-1
September	398	2	911	4	85,150	0

Table B.3.b. SNAP households, participants, and benefits in Tennessee SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2008 – 2010

Fiscal year	Tennessee SNAP households		Tennessee participants		Tennessee benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference
2008	4,955	0	11,310	3	1,108,000	-1
October	400	0	917	3	90,190	-1
November	403	1	922	4	90,430	-1
December	402	1	920	4	90,010	0
January	404	0	923	2	89,900	-2
February	405	1	925	4	90,210	1
March	407	1	929	3	90,650	-1
April	411	0	938	3	91,650	-1
May	414	1	945	4	92,340	-1
June	419	1	956	4	93,640	0
July	424	0	967	3	95,000	-1
August	431	1	981	4	96,460	0
September	435	0	991	3	97,260	-1
2009	5,935	1	13,350	4	1,589,000	-1
October	447	1	1,020	4	111,000	-1
November	456	2	1,030	5	113,000	1
December	465	0	1,050	3	115,200	-1
January	473	0	1,070	4	115,800	-1
February	481	2	1,080	4	117,600	0
March	489	0	1,100	3	119,800	-1
April	499	1	1,120	4	142,600	-1
May	507	1	1,140	5	145,300	-1
June	517	1	1,160	4	148,100	-1
July	525	0	1,180	4	151,700	-2
August	534	1	1,190	3	153,800	0
September	542	0	1,210	3	155,500	-2
2010	6,905	0	15,180	3	1,941,000	-1
October	551	1	1,220	3	157,000	-1
November	554	1	1,230	3	156,900	0
December	560	0	1,240	2	158,200	-2
January	563	0	1,240	2	158,600	-2
February	566	1	1,250	4	159,200	-1
March	572	0	1,260	3	160,900	-2
April	578	1	1,270	3	162,400	-1
May	581	1	1,270	3	162,600	-1
June	585	-1	1,280	2	163,600	-2
July	594	1	1,300	4	165,900	-2
August	599	1	1,310	4	167,700	0
September	602	0	1,310	3	168,000	-1

Table B.3.c. SNAP households, participants, and benefits in Tennessee SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2011 – 2013

Fiscal year	Tennessee SNAP households		Tennessee participants		Tennessee benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference
2011	7,352	0	15,800	3	2,019,000	-1
October	604	1	1,310	4	167,600	-1
November	606	0	1,310	4	167,200	0
December	608	0	1,310	2	167,500	-2
January	607	0	1,310	3	166,700	-1
February	606	0	1,300	2	166,400	-1
March	612	0	1,320	3	168,200	-2
April	614	1	1,320	4	168,500	-1
May	614	0	1,320	3	168,000	-3
June	618	0	1,320	2	169,500	-2
July	618	0	1,320	3	169,600	-2
August	622	0	1,330	3	170,100	-1
September	623	0	1,330	4	169,800	-1
2012	7,727	1	16,390	4	2,076,000	-1
October	624	1	1,330	4	169,100	-1
November	625	0	1,330	3	169,100	-1
December	629	1	1,340	4	169,800	-1
January	640	1	1,360	5	173,000	0
February	640	1	1,360	4	171,600	0
March	642	0	1,360	3	171,900	-2
April	646	0	1,370	4	173,100	1
May	651	0	1,380	4	174,100	-1
June	656	0	1,390	4	175,700	-1
July	656	0	1,390	4	175,600	-1
August	660	0	1,390	3	177,000	-1
September	658	1	1,390	5	176,300	0
2013	7,983	0	16,710	4	2,115,000	-1
October	659	0	1,390	4	176,300	-1
November	660	1	1,390	5	176,300	0
December	659	1	1,380	4	175,500	0
January	659	0	1,380	3	174,500	-1
February	663	1	1,390	4	175,400	0
March	664	0	1,390	4	175,400	-1
April	665	0	1,390	4	175,800	-2
May	669	0	1,400	4	176,600	-1
June	672	1	1,400	4	177,300	0
July	670	0	1,400	3	177,100	-1
August	672	1	1,400	4	177,700	-1
September	671	2	1,400	5	177,100	0

Table B.3.d. Total SNAP households, participants, and benefits in Tennessee SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2014 – 2016

Fiscal year	Tennessee SNAP households		Tennessee participants		Tennessee benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference
2014	7,880	1	16,470	5	1,955,000	0
October	668	0	1,390	3	176,900	-1
November	665	1	1,390	5	164,200	0
December	660	1	1,380	5	162,300	0
January	660	0	1,380	4	161,600	0
February	660	2	1,380	5	162,000	1
March	656	0	1,370	4	161,600	0
April	655	1	1,370	5	161,600	0
May	654	1	1,370	5	161,400	0
June	654	1	1,370	5	161,400	1
July	652	1	1,360	4	161,500	0
August	650	1	1,360	5	161,000	0
September	646	2	1,350	5	159,700	1
2015	7,434	1	15,460	5	1,892,000	0
October	644	1	1,340	4	165,600	0
November	640	2	1,330	6	164,100	1
December	635	0	1,320	4	162,300	0
January	631	1	1,310	4	160,200	0
February	626	2	1,300	6	158,800	1
March	617	0	1,280	4	156,300	0
April	615	1	1,280	5	156,000	0
May	613	2	1,270	5	155,500	0
June	611	2	1,270	5	154,900	1
July	606	1	1,260	5	154,200	0
August	602	2	1,260	6	153,300	1
September	594	1	1,240	4	150,900	0
2016	6,663	1	14,020	5	1,676,000	0
October	587	1	1,220	4	147,500	0
November	582	2	1,210	5	145,900	1
December	574	1	1,200	4	143,700	0
January	565	1	1,180	4	141,600	0
February	561	1	1,170	4	140,500	0
March	557	1	1,170	4	139,700	0
April	548	1	1,160	5	137,700	0
May	540	2	1,150	6	135,900	1
June	538	1	1,140	5	135,600	0
July	537	2	1,140	6	135,700	0
August	537	2	1,140	5	136,000	1
September	537	2	1,140	6	135,800	0

Table B.3.e. Total SNAP households, participants, and benefits in Tennessee SNAP administrative data and the percentage difference from National Data Bank totals, fiscal years 2017 – 2018

Fiscal year	Tennessee SNAP households		Tennessee participants		Tennessee benefits	
	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference	Number (1,000's)	Percentage difference
2017	6,240	1	13,170	5	1,575,000	-1
October	534	2	1,130	6	135,300	1
November	531	1	1,130	5	134,200	0
December	526	1	1,110	5	132,600	0
January	524	1	1,110	5	132,200	1
February	523	2	1,110	6	132,000	1
March	521	1	1,100	5	131,300	0
April	517	2	1,090	6	130,300	1
May	515	1	1,080	4	129,700	0
June	515	1	1,080	4	129,800	-11
July	512	2	1,080	6	129,400	1
August	512	1	1,080	5	129,500	0
September	510	2	1,070	5	128,900	0
2018	5,759	2	12,270	5	1,431,000	0
October	510	2	1,070	5	126,800	1
November	506	1	1,060	4	125,700	0
December	503	1	1,060	5	124,700	0
January	499	1	1,050	5	123,100	0
February	498	2	1,050	6	123,000	1
March	480	1	1,020	5	118,800	-1
April	475	2	1,010	5	117,900	1
May	459	2	990	5	114,100	0
June	458	2	990	5	114,100	0
July	457	2	990	6	114,200	1
August	458	2	990	5	114,500	0
September	456	2	990	6	113,800	2

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Appendix C

Comparison of State Subpopulations with SNAP QC Data

Table C.1.a. Characteristics of SNAP participants in Illinois SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2009 – 2011

	FY 2009		FY 2010		FY 2011	
	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data
Participants						
Number (in thousands)	1,422	15	1,607	-25	1,756	-24
Age (percentage)						
Children (ages 0 to 17)	48	0	47	1	46	0
Non-elderly adults (ages 18 to 59)	45	0	46	-1	46	0
Elderly adults (ages 60 or older)	7	0	7	0	8	1
SNAP cases						
Number (in thousands)	647	-8	743	-27	828	-24
SNAP household size (percentage)						
One person	47	-3	48	-1	50	-1
Two people	19	1	19	1	19	0
Three or four people	25	1	24	0	24	0
Five or more people	9	1	8	1	8	1
SNAP household composition (percentage)						
With at least one child	48	3	47	1	46	0
and one adult	31	0	29	0	28	-3
and two or more adults	12	3	12	1	12	2
and no adults (child only)	6	0	6	0	6	1
No children	51	-3	53	-1	54	0
and adult age 18 to 49	26	-4	28	-2	28	0
With at least one elderly person	15	1	15	1	15	1
and no one else	12	1	12	1	12	0
and only other elderly people	1	0	1	0	1	0
and non-elderly people	1	0	1	0	2	1
No elderly people	85	-1	85	-1	85	-1
Countable income as a percentage of poverty guidelines (percentage)						
No gross income	28	1	28	-2	28	2
1 to 50 percent	18	-3	19	-2	18	-2
51 to 100 percent	42	-1	42	1	40	-2
101 to 130 percent	10	2	10	2	11	1
131 percent or higher	1	1	1	0	2	0
Countable income source (percentage)						
With earned income	21	-4	21	-6	21	-8
One earner	20	1	20	0	20	-3
Two or more earners	1	0	1	0	1	0
With unearned income	60	5	60	9	60	8
and with earned income	8	0	8	0	8	1
SNAP households by SNAP benefit (percentage)						
Minimum benefit or less	3	0	3	0	3	0
Maximum benefit	38	-4	39	-6	40	-3

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	FY 2009		FY 2010		FY 2011	
	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data
Average values						
SNAP case size	2.2	0.1	2.2	0.0	2.1	0.0
Number of children (cases with children)	2.2	-0.1	2.2	0.0	2.1	0.0
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0	1.1	0.0
Income as a percentage of poverty	51	2	51	3	52	1
Gross income (\$)	627	34	648	47	663	19
Gross earned income (\$)	218	-2	226	-19	232	-35
Gross unearned income (\$)	438	65	451	95	460	83
SNAP benefit (\$)	276	-3	288	-9	281	-8

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Table C.1.b. Characteristics of SNAP participants in Illinois SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2012 – 2014

	FY 2012		FY 2013		FY 2014	
	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data
Participants						
Number (in thousands)	1,828	-33	2,004	-1	2,006	52
Age (percentage)						
Children (ages 0 to 17)	45	0	44	-1	43	0
Non-elderly adults (ages 18 to 59)	47	0	47	1	47	1
Elderly adults (ages 60 or older)	9	0	9	0	10	-1
SNAP cases						
Number (in thousands)	881	-28	989	-13	1,007	9
SNAP household size (percentage)						
One person	51	-1	53	0	54	-2
Two people	19	1	19	-1	19	1
Three or four people	23	1	22	1	21	2
Five or more people	7	0	7	0	6	0
SNAP household composition (percentage)						
With at least one child and one adult	44	1	42	-1	41	2
and two or more adults and no adults (child only)	27	-1	26	-1	25	0
and no adults (child only)	11	2	11	2	10	1
and no adults (child only)	6	0	6	-1	6	0
No children and adult age 18 to 49	56	-2	58	1	59	-2
and adult age 18 to 49	28	0	29	2	29	-2
With at least one elderly person and no one else	17	0	17	-1	18	-1
and only other elderly people	13	0	13	0	14	-2
and only other elderly people and non-elderly people	2	0	2	0	2	0
and non-elderly people	2	0	2	-1	2	0
No elderly people	83	0	83	1	82	1
Countable income as a percentage of poverty guidelines (percentage)						
No gross income	29	2	32	3	32	2
1 to 50 percent	16	-2	16	-2	16	-3
51 to 100 percent	40	-2	38	-3	38	0
101 to 130 percent	11	3	11	2	11	1
131 percent or higher	3	0	3	0	3	0
Countable income source (percentage)						
With earned income	21	-6	21	-8	22	-7
One earner	20	-1	20	-1	21	-2
Two or more earners	1	0	1	0	1	0
With unearned income	59	3	56	5	54	6
and with earned income	7	-2	7	0	7	0
SNAP households by SNAP benefit (percentage)						
Minimum benefit or less	4	0	4	-1	3	-2
Maximum benefit	40	-1	43	1	26	-19

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	FY 2012		FY 2013		FY 2014	
	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data
Average values						
SNAP case size	2.1	0.0	2.0	0.0	2.0	0.0
Number of children (among cases with children)	2.1	0.0	2.1	0.0	2.1	-0.1
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0	1.1	0.0
Income as a percentage of poverty	53	0	52	-1	51	1
Gross income (\$)	675	13	666	0	669	28
Gross earned income (\$)	229	-13	238	-36	249	-22
Gross unearned income (\$)	469	50	453	62	448	78
SNAP benefit (\$)	275	-8	272	1	253	-4

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Table C.1.c. Characteristics of SNAP participants in Illinois SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2015 – 2016

	FY 2015		FY 2016	
	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data
Participants				
Number (in thousands)	2,031	21	1,893	-1
Age (percentage)				
Children (ages 0 to 17)	42	0	42	0
Non-elderly adults (ages 18 to 59)	48	1	47	-1
Elderly adults (ages 60 or older)	10	-1	12	1
SNAP cases				
Number (in thousands)	1,045	-2	978	-9
SNAP household size (percentage)				
One person	56	-1	56	0
Two people	18	1	18	-1
Three or four people	20	0	20	-1
Five or more people	6	1	6	1
SNAP household composition (percentage)				
With at least one child	39	0	39	-1
and one adult	24	-1	24	0
and two or more adults	9	1	9	0
and no adults (child only)	5	0	5	0
No children	61	0	61	1
and adult age 18 to 49	30	1	28	2
With at least one elderly person	18	-2	20	2
and no one else	15	-2	16	1
and only other elderly people	2	0	2	0
and non-elderly people	2	0	2	0
No elderly people	82	2	80	-2
Countable income as a percentage of poverty guidelines (percentage)				
No gross income	33	4	31	4
1 to 50 percent	14	-2	14	-4
51 to 100 percent	37	-3	38	-3
101 to 130 percent	11	1	12	1
131 percent or higher	3	0	5	2
Countable income source (percentage)				
With earned income	23	-7	25	-6
One earner	22	-3	24	0
Two or more earners	1	0	1	0
With unearned income	52	4	53	4
and with earned income	7	0	7	1
SNAP households by SNAP benefit (percentage)				
Minimum benefit or less	6	-1	7	1
Maximum benefit	45	0	42	2

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	FY 2015		FY 2016	
	Illinois data	Difference from SNAP QC data	Illinois data	Difference from SNAP QC data
Average values				
SNAP case size	1.9	0.0	1.9	0.0
Number of children (among cases with children)	2.1	0.0	2.1	0.1
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0
Income as a percentage of poverty	51	-2	55	1
Gross income (\$)	669	-10	717	10
Gross earned income (\$)	266	-28	297	-22
Gross unearned income (\$)	437	52	459	71
SNAP benefit (\$)	253	-1	245	-2

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Table C.2.a. Characteristics of SNAP participants in Mississippi SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2011 – 2013

	FY 2011		FY 2012		FY 2013	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Participants						
Number (in thousands)	627	14	656	5	670	6
Age (percentage)						
Children (ages 0 to 17)	45	-1	44	-1	44	0
Non-elderly adults (ages 18 to 59)	48	0	48	1	49	1
Elderly adults (ages 60 or older)	7	1	7	0	7	-1
SNAP cases						
Number (in thousands)	273	4	293	0	303	0
SNAP household size (percentage)						
One person	43	-1	45	-2	47	1
Two people	19	2	18	2	18	-1
Three or four people	29	-3	28	0	27	1
Five or more people	9	1	9	0	8	0
SNAP household composition (percentage)						
With at least one child	49	-1	47	1	47	0
and one adult	30	-2	29	-1	28	-2
and two or more adults	16	0	15	1	15	1
and no adults (child only)	4	1	3	1	4	1
No children	51	1	53	-1	53	0
and adult age 18 to 49	26	0	27	0	28	1
With at least one elderly person	15	1	15	0	15	-1
and no one else	12	1	12	0	12	-1
and only other elderly people	1	0	1	1	1	0
and non-elderly people	3	0	2	0	2	0
No elderly people	85	-2	85	0	85	1
Countable income as a percentage of poverty guidelines (percentage)						
No gross income	21	-1	22	0	24	-1
1 to 50 percent	21	1	20	0	20	1
51 to 100 percent	47	-2	46	0	46	-1
101 to 130 percent	11	2	11	0	10	1
131 percent or higher	0	0	0	0	0	0
Countable income source (percentage)						
With earned income	29	0	28	0	27	-1
With unearned income	61	0	60	-1	58	0
and with earned income	10	-1	10	-1	9	-2
SNAP households by SNAP benefit (percentage)						
Minimum benefit or less	4	0	4	-1	4	0
Maximum benefit	30	-2	32	2	35	-1

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	FY 2011		FY 2012		FY 2013	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Average values						
SNAP case size	2.3	0.0	2.2	0.0	2.2	0.0
Number of children (among cases with children)	2.1	0.0	2.1	-0.1	2.1	0.0
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0	1.1	0.0
Income as a percentage of poverty	54	1	53	0	52	1
Gross income (\$)	707	7	698	3	688	4
Gross earned income (\$)	302	8	292	12	292	-5
Gross unearned income (\$)	405	-1	405	-9	397	9
SNAP benefit (\$)	280	0	274	3	272	3

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Table C.2.b. Characteristics of SNAP participants in Mississippi SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2014 – 2016

	FY 2014		FY 2015		FY 2016	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Participants						
Number (in thousands)	658	3	639	6	587	8
Age (percentage)						
Children (ages 0 to 17)	44	-1	44	0	45	1
Non-elderly adults (ages 18 to 59)	49	2	48	1	45	-1
Elderly adults (ages 60 or older)	8	-1	8	-1	9	0
SNAP cases						
Number (in thousands)	301	-1	295	0	269	1
SNAP household size (percentage)						
One person	47	-1	48	-1	48	1
Two people	18	1	18	1	17	0
Three or four people	27	-1	26	1	26	-2
Five or more people	8	1	8	-1	8	1
SNAP household composition (percentage)						
With at least one child	46	0	45	3	47	0
and one adult	28	-2	28	0	29	-2
and two or more adults	14	1	14	2	14	0
and no adults (child only)	4	0	4	1	4	1
No children	54	0	55	-3	53	0
and adult age 18 to 49	28	1	27	-1	22	1
With at least one elderly person	16	-2	16	-1	19	1
and no one else	13	-2	13	0	16	0
and only other elderly people	1	0	1	0	1	0
and non-elderly people	2	-1	2	-1	2	1
No elderly people	84	2	84	1	81	-1
Countable income as a percentage of poverty guidelines (percentage)						
No gross income	25	0	25	-1	21	-2
1 to 50 percent	21	0	20	0	20	4
51 to 100 percent	45	-2	44	1	49	-2
101 to 130 percent	9	1	9	1	10	1
131 percent or higher	0	0	0	0	0	0
Countable income source (percentage)						
With earned income	27	3	27	2	29	1
With unearned income	56	-3	56	-1	60	1
and with earned income	9	1	9	0	10	-1
SNAP households by SNAP benefit (percentage)						
Minimum benefit or less	3	-3	5	0	6	0
Maximum benefit	21	-14	37	-1	32	1

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	FY 2014		FY 2015		FY 2016	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Average values						
SNAP case size	2.2	0.0	2.2	0.0	2.2	0.0
Number of children (among cases with children)	2.1	0.0	2.1	-0.1	2.1	0.0
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0	1.1	0.0
Income as a percentage of poverty	50	0	50	1	54	0
Gross income (\$)	682	4	687	16	741	-12
Gross earned income (\$)	292	20	298	29	320	-12
Gross unearned income (\$)	391	-17	389	-13	420	0
SNAP benefit (\$)	252	3	259	2	253	6

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Table C.2.c. Characteristics of SNAP participants in Mississippi SNAP administrative data and difference from estimates from SNAP QC data, fiscal year 2017

	FY 2017	
	State data	Difference from SNAP QC data
Participants		
Number (in thousands)	543	10
Age (percentage)		
Children (ages 0 to 17)	47	-1
Non-elderly adults (ages 18 to 59)	43	1
Elderly adults (ages 60 or older)	10	0
SNAP cases		
Number (in thousands)	246	3
SNAP household size (percentage)		
One person	47	0
Two people	17	-1
Three or four people	27	0
Five or more people	9	0
SNAP household composition (percentage)		
With at least one child	49	0
and one adult	30	-3
and two or more adults	14	2
and no adults (child only)	5	0
No children	51	1
and adult age 18 to 49	17	2
With at least one elderly person	20	0
and no one else	17	0
and only other elderly people	1	0
and non-elderly people	2	0
No elderly people	79	0
Countable income as a percentage of poverty guidelines (percentage)		
No gross income	18	1
1 to 50 percent	20	0
51 to 100 percent	50	1
101 to 130 percent	11	-1
131 percent or higher	0	0
Countable income source (percentage)		
With earned income	29	0
With unearned income	62	-2
and with earned income	10	0
SNAP households by SNAP benefit (percentage)		
Minimum benefit or less	7	0
Maximum benefit	30	1

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	FY 2017	
	State data	Difference from SNAP QC data
Average values		
SNAP case size	2.2	0.0
Number of children (among cases with children)	2.1	0.0
Number of elderly adults (among cases with elderly adults)	1.1	0.0
Income as a percentage of poverty	56	-1
Gross income (\$)	773	-12
Gross earned income (\$)	331	1
Gross unearned income (\$)	442	-13
SNAP benefit (\$)	254	6

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Table C.3.a. Characteristics of SNAP participants in Tennessee SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2005 – 2007

	FY 2005		FY 2006		FY 2007	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Participants						
Number (in thousands)	874	47	893	52	890	45
Age (percentage)						
Children (ages 0 to 17)	45	-1	45	-1	45	0
Non-elderly adults (ages 18 to 59)	47	2	47	2	47	1
Elderly adults (ages 60 or older)	8	-1	8	-1	8	-1
SNAP cases						
Number (in thousands)	376	12	388	12	388	8
SNAP household size (percentage)						
One person	41	-1	42	-1	43	1
Two people	21	-1	20	-1	20	-3
Three or four people	29	0	29	1	28	-1
Five or more people	9	1	9	1	9	2
SNAP household composition (percentage)						
With at least one child	51	1	51	0	50	1
and one adult	34	-1	34	0	33	0
and two or more adults	17	3	16	2	17	3
and no adults (child only)	0	-1	0	-2	0	-2
No children	49	-1	49	0	50	-1
and adult age 18 to 49	24	1	25	2	25	1
With at least one elderly person	16	-2	16	-2	16	-2
and no one else	13	-1	13	-1	13	0
and only other elderly people	1	0	1	0	1	-1
and non-elderly people	2	-1	2	-1	2	-1
No elderly people	84	2	84	2	84	2
Countable income as a percentage of poverty guidelines (percentage)						
No gross income	22	2	23	3	23	1
1 to 50 percent	23	-2	22	-2	22	0
51 to 100 percent	44	0	43	0	43	-4
101 to 130 percent	11	0	11	-1	11	2
131 percent or higher	1	0	1	0	1	0
Countable income source (percentage)						
With earned income	24	-1	24	-2	24	-1
One earner	24	-1	24	0	24	1
Two or more earners	1	0	1	-1	1	0
With unearned income	45	-19	44	-20	44	-18
and with earned income	3	-6	3	-7	3	-6
SNAP households by SNAP benefit (percentage)						
Minimum benefit or less	7	-1	7	-2	8	1
Maximum benefit	33	-1	33	0	34	-2

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	FY 2005		FY 2006		FY 2007	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Average values						
SNAP case size	2.3	0.0	2.3	0.0	2.3	0.1
Number of children (among cases with children)	2.0	0.0	2.1	0.0	2.1	0.1
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0	1.1	0.0
Income as a percentage of poverty	52	-1	52	-2	51	-1
Gross income (\$)	589	3	616	9	624	29
Gross earned income (\$)	238	27	251	18	260	51
Gross unearned income (\$)	289	-86	305	-69	305	-82
SNAP benefit (\$)	208	3	213	8	224	11

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Table C.3.b. Characteristics of SNAP participants in Tennessee SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2008 – 2010

	FY 2008		FY 2009		FY 2010	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Participants						
Number (in thousands)	943	54	1,113	59	1,265	61
Age (percentage)						
Children (ages 0 to 17)	44	0	43	-1	41	-1
Non-elderly adults (ages 18 to 59)	48	2	50	1	52	2
Elderly adults (ages 60 or older)	8	-2	7	0	7	-1
SNAP cases						
Number (in thousands)	413	12	495	13	575	13
SNAP household size (percentage)						
One person	44	-1	45	-2	47	-1
Two people	20	0	19	0	19	-1
Three or four people	28	0	27	1	26	1
Five or more people	9	1	9	1	9	1
SNAP household composition (percentage)						
With at least one child and one adult	49	0	47	0	45	-1
and two or more adults	32	2	29	1	27	0
and no adults (child only)	17	0	18	3	18	2
No children	0	-2	0	-4	0	-3
and adult age 18 to 49	51	0	53	0	55	1
and adult age 18 to 49	26	4	29	1	31	2
With at least one elderly person and no one else	16	-5	14	0	14	-1
and only other elderly people	12	-4	11	1	11	-1
and only other elderly people	1	0	1	0	1	0
and non-elderly people	2	-1	2	0	2	0
No elderly people	84	4	86	0	86	1
Countable income as a percentage of poverty guidelines (percentage)						
No gross income	26	4	28	4	29	4
1 to 50 percent	21	-3	20	-3	20	-1
51 to 100 percent	42	-1	40	-2	40	-4
101 to 130 percent	11	-1	11	1	11	0
131 percent or higher	1	0	1	0	1	0
Countable income source (percentage)						
With earned income	25	-3	23	-5	23	-5
One earner	24	-1	23	-3	22	-1
Two or more earners	1	0	1	0	1	0
With unearned income	43	-18	42	-14	42	-15
and with earned income	3	-7	3	-6	3	-6
SNAP households by SNAP benefit (percentage)						
Minimum benefit or less	7	-1	5	0	4	0
Maximum benefit	35	1	37	-1	38	0

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	FY 2008		FY 2009		FY 2010	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Average values						
SNAP case size	2.3	0.0	2.2	0.0	2.2	0.0
Number of children (among cases with children)	2.0	0.0	2.0	0.0	2.0	0.0
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0	1.1	0.0
Income as a percentage of poverty	50	-3	49	-2	50	-2
Gross income (\$)	626	-9	636	13	634	-18
Gross earned income (\$)	248	0	251	-2	247	-25
Gross unearned income (\$)	321	-65	330	-40	333	-47
SNAP benefit (\$)	268	45	281	11	275	-6

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Table C.3.c. Characteristics of SNAP participants in Tennessee SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2011 – 2013

	FY 2011		FY 2012		FY 2013	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Participants						
Number (in thousands)	1,317	86	1,365	69	1,394	61
Age (percentage)						
Children (ages 0 to 17)	40	-2	40	-2	40	-1
Non-elderly adults (ages 18 to 59)	52	1	52	2	53	1
Elderly adults (ages 60 or older)	7	0	7	-1	8	0
SNAP cases						
Number (in thousands)	613	23	644	13	665	7
SNAP household size (percentage)						
One person	49	-1	50	-2	51	-1
Two people	18	-1	18	1	17	-1
Three or four people	25	1	24	-1	23	2
Five or more people	8	1	8	2	8	1
SNAP household composition (percentage)						
With at least one child and one adult	43	0	43	0	42	-1
and two or more adults	26	0	26	1	26	2
and no adults (child only)	17	3	16	3	16	1
No children	0	-3	0	-3	0	-3
and adult age 18 to 49	57	0	57	0	58	2
and adult age 18 to 49	31	-1	32	2	32	1
With at least one elderly person and no one else	15	1	15	-1	15	0
and only other elderly people	12	1	12	-1	12	1
and non-elderly people	1	0	1	0	1	0
and non-elderly people	2	0	2	0	2	0
No elderly people	85	-1	85	1	85	0
Countable income as a percentage of poverty guidelines (percentage)						
No gross income	29	1	30	3	31	3
1 to 50 percent	19	-2	18	-2	18	-1
51 to 100 percent	39	1	39	-3	39	-2
101 to 130 percent	11	0	12	1	12	0
131 percent or higher	1	0	1	1	1	0
Countable income source (percentage)						
With earned income	22	-3	23	-3	24	-1
One earner	22	0	22	0	23	1
Two or more earners	1	0	1	0	1	0
With unearned income	42	-13	42	-14	41	-11
and with earned income	3	-6	3	-6	3	-3
SNAP households by SNAP benefit (percentage)						
Minimum benefit or less	5	0	5	0	6	-1
Maximum benefit	39	-3	39	1	40	0

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	FY 2011		FY 2012		FY 2013	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Average values						
SNAP case size	2.1	0.0	2.1	0.0	2.1	0.1
Number of children (among cases with children)	2.0	0.0	2.0	0.0	2.0	0.1
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0	1.1	0.0
Income as a percentage of poverty	50	1	49	-2	48	-2
Gross income (\$)	640	25	642	0	644	10
Gross earned income (\$)	254	21	263	15	268	34
Gross unearned income (\$)	337	-45	335	-58	334	-66
SNAP benefit (\$)	269	-8	265	-3	248	-18

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Table C.3.d. Characteristics of SNAP participants in Tennessee SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2014 – 2016

	FY 2014		FY 2015		FY 2016	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Participants						
Number (in thousands)	1,372	69	1,289	74	1,169	69
Age (percentage)						
Children (ages 0 to 17)	40	-2	40	-2	41	-1
Non-elderly adults (ages 18 to 59)	52	4	52	3	50	2
Elderly adults (ages 60 or older)	8	-2	8	-1	9	-1
SNAP cases						
Number (in thousands)	657	10	620	14	555	12
SNAP household size (percentage)						
One person	52	-2	53	-1	52	-2
Two people	17	0	17	-2	17	0
Three or four people	23	0	23	1	23	1
Five or more people	8	1	8	2	8	1
SNAP household composition (percentage)						
With at least one child and one adult	41	0	41	-1	42	1
and two or more adults	26	0	26	-1	27	1
and no adults (child only)	16	3	15	4	15	3
No children	0	-3	0	-3	0	-3
and adult age 18 to 49	59	0	59	1	58	-1
With at least one elderly person and no one else	31	2	31	0	28	2
and only other elderly people	16	-3	16	-1	17	-1
and non-elderly people	13	-3	13	-1	14	-2
No elderly people	1	0	1	0	1	0
	2	0	2	0	2	0
	84	3	84	1	83	2
Countable income as a percentage of poverty guidelines (percentage)						
No gross income	31	3	31	3	29	0
1 to 50 percent	18	-2	18	-2	18	0
51 to 100 percent	39	-2	39	-2	41	-1
101 to 130 percent	11	0	11	1	11	1
131 percent or higher	1	1	1	0	1	1
Countable income source (percentage)						
With earned income	24	0	25	-3	25	-1
One earner	23	1	24	0	24	1
Two or more earners	1	0	1	0	1	1
With unearned income	41	-13	41	-11	43	-9
and with earned income	3	-4	3	-5	3	-4
SNAP households by SNAP benefit (percentage)						
Minimum benefit or less	6	-3	7	0	8	0
Maximum benefit	24	-16	40	0	38	-3

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	FY 2014		FY 2015		FY 2016	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Average values						
SNAP case size	2.1	0.1	2.1	0.1	2.1	0.1
Number of children (among cases with children)	2.1	0.0	2.1	0.0	2.1	0.0
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0	1.1	0.0
Income as a percentage of poverty	48	-1	50	1	50	1
Gross income (\$)	650	18	677	37	684	30
Gross earned income (\$)	276	35	288	19	287	25
Gross unearned income (\$)	337	-54	351	-20	360	-32
SNAP benefit (\$)	255	6	252	-3	252	1

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Table C.3.e. Characteristics of SNAP participants in Tennessee SNAP administrative data and difference from estimates from SNAP QC data, fiscal years 2017 – 2018

	FY 2017		FY 2018	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Participants				
Number (in thousands)	1,098	69	1,023	72
Age (percentage)				
Children (ages 0 to 17)	42	-2	43	-1
Non-elderly adults (ages 18 to 59)	49	2	48	2
Elderly adults (ages 60 or older)	9	0	10	-1
SNAP cases				
Number (in thousands)	520	15	480	17
SNAP household size (percentage)				
One person	52	-3	51	-2
Two people	17	1	17	0
Three or four people	23	1	23	0
Five or more people	8	1	9	2
SNAP household composition (percentage)				
With at least one child	42	1	43	1
and one adult	28	0	29	1
and two or more adults	14	4	14	3
and no adults (child only)	0	-3	0	-3
No children	58	-1	57	-1
and adult age 18 to 49	26	0	24	2
With at least one elderly person	18	0	20	-2
and no one else	15	-1	17	-2
and only other elderly people	1	0	1	0
and non-elderly people	2	0	2	0
No elderly people	82	0	80	2
Countable income as a percentage of poverty guidelines (percentage)				
No gross income	29	4	28	3
1 to 50 percent	18	-3	18	0
51 to 100 percent	42	-3	43	-3
101 to 130 percent	11	1	11	1
131 percent or higher	1	1	1	0
Countable income source (percentage)				
With earned income	25	-1	24	0
One earner	24	1	23	2
Two or more earners	1	0	1	0
With unearned income	43	-13	45	-12
and with earned income	3	-3	3	-4
SNAP households by SNAP benefit (percentage)				
Minimum benefit or less	8	-1	9	-2
Maximum benefit	38	1	36	1

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	FY 2017		FY 2018	
	State data	Difference from SNAP QC data	State data	Difference from SNAP QC data
Average values				
SNAP case size	2.1	0.1	2.1	0.1
Number of children (among cases with children)	2.1	0.0	2.1	0.0
Number of elderly adults (among cases with elderly adults)	1.1	0.0	1.1	0.0
Income as a percentage of poverty	51	0	51	-1
Gross income (\$)	705	31	705	5
Gross earned income (\$)	286	32	286	21
Gross unearned income (\$)	384	-37	384	-51
SNAP benefit (\$)	248	-4	248	1

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Appendix D

Comparison of State-by-State Administrative Data

Table D.1.a. Comparison of SNAP subpopulations in State administrative data, fiscal years 2011 – 2012

	Fiscal year 2011			Fiscal year 2012		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	46	45	40	45	44	40
Non-elderly adults (ages 18 to 59)	46	48	52	47	48	52
Elderly adults (ages 60 or older)	8	7	7	9	7	7
SNAP case size						
One person	50	43	49	51	45	50
Two people	19	19	18	19	18	18
Three or four people	24	29	25	23	28	24
Five or more people	8	9	8	7	9	8
SNAP case composition						
With at least one child	46	49	43	44	47	43
and one adult	28	30	26	27	29	26
and two or more adults	12	16	17	11	15	16
and no adults (child only)	6	4	0	6	3	0
No children	54	51	57	56	53	57
and adult age 18 to 49	28	26	31	28	27	32
With at least one elderly person	15	15	15	17	15	15
and no one else	12	12	12	13	12	12
and only other elderly people	1	1	1	2	1	1
and non-elderly people	2	3	2	2	2	2
No elderly people	85	85	85	83	85	85
Countable income as a percentage of poverty guidelines						
No gross income	28	21	29	29	22	30
1 to 50 percent	18	21	19	16	20	18
51 to 100 percent	40	47	39	40	46	39
101 to 130 percent	11	11	11	11	11	12
131 percent or higher	2	0	1	3	0	1
Countable income source						
With earned income	21	29	22	21	28	23
One earner	20	--	22	20	--	22
Two or more earners	1	--	1	1	--	1
With unearned income	60	61	42	59	60	42
and with earned income	8	10	3	7	10	3
SNAP benefit size						
Minimum benefit or less	3	4	5	4	4	5
Maximum benefit	40	30	39	40	32	39

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	Fiscal year 2011			Fiscal year 2012		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	2.1	2.3	2.1	2.1	2.2	2.1
Number of children (among cases with children)	2.1	2.1	2.0	2.1	2.1	2.0
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	52	54	50	53	53	49
Gross income (\$)	663	707	640	675	698	642
Gross earned income (\$)	232	302	254	229	292	263
Gross unearned income (\$)	460	405	337	469	405	335
SNAP benefit (\$)	281	280	269	275	274	265

Table D.1.b. Comparison of SNAP subpopulations in State administrative data, fiscal years 2013 – 2014

	Fiscal year 2013			Fiscal year 2014		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	44	44	40	43	44	40
Non-elderly adults (ages 18 to 59)	47	49	53	47	49	52
Elderly adults (ages 60 or older)	9	7	8	10	8	8
SNAP case size						
One person	53	47	51	54	47	52
Two people	19	18	17	19	18	17
Three or four people	22	27	23	21	27	23
Five or more people	7	8	8	6	8	8
SNAP case composition						
With at least one child	42	47	42	41	46	41
and one adult	26	28	26	25	28	26
and two or more adults	11	15	16	10	14	16
and no adults (child only)	6	4	0	6	4	0
No children	58	53	58	59	54	59
and adult age 18 to 49	29	28	32	29	28	31
With at least one elderly person	17	15	15	18	16	16
and no one else	13	12	12	14	13	13
and only other elderly people	2	1	1	2	1	1
and non-elderly people	2	2	2	2	2	2
No elderly people	83	85	85	82	84	84
Countable income as a percentage of poverty guidelines						
No gross income	32	24	31	32	25	31
1 to 50 percent	16	20	18	16	21	18
51 to 100 percent	38	46	39	38	45	39
101 to 130 percent	11	10	12	11	9	11
131 percent or higher	3	0	1	3	0	1
Countable income source						
With earned income	21	27	24	22	27	24
One earner	20	--	23	21	--	23
Two or more earners	1	--	1	1	--	1
With unearned income	56	58	41	54	56	41
and with earned income	7	9	3	7	9	3
SNAP benefit size						
Minimum benefit or less	4	4	6	3	3	6
Maximum benefit	43	35	40	26	21	24

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	Fiscal year 2013			Fiscal year 2014		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	2.0	2.2	2.1	2.0	2.2	2.1
Number of children (among cases with children)	2.1	2.1	2.0	2.1	2.1	2.1
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	52	52	48	51	50	48
Gross income (\$)	666	688	644	669	682	650
Gross earned income (\$)	238	292	268	249	292	276
Gross unearned income (\$)	453	397	334	448	391	337
SNAP benefit (\$)	272	272	248	253	252	255

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Table D.1.c. Comparison of SNAP subpopulations in State administrative data, fiscal years 2015 – 2016

	Fiscal year 2015			Fiscal year 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	42	44	40	42	45	41
Non-elderly adults (ages 18 to 59)	48	48	52	47	45	50
Elderly adults (ages 60 or older)	10	8	8	12	9	9
SNAP case size						
One person	56	48	53	56	48	52
Two people	18	18	17	18	17	17
Three or four people	20	26	23	20	26	23
Five or more people	6	8	8	6	8	8
SNAP case composition						
With at least one child	39	45	41	39	47	42
and one adult	24	28	26	24	29	27
and two or more adults	9	14	15	9	14	15
and no adults (child only)	5	4	0	5	4	0
No children	61	55	59	61	53	58
and adult age 18 to 49	30	27	31	28	22	28
With at least one elderly person	18	16	16	20	19	17
and no one else	15	13	13	16	16	14
and only other elderly people	2	1	1	2	1	1
and non-elderly people	2	2	2	2	2	2
No elderly people	82	84	84	80	81	83
Countable income as a percentage of poverty guidelines						
No gross income	33	25	31	31	21	29
1 to 50 percent	14	20	18	14	20	18
51 to 100 percent	37	44	39	38	49	41
101 to 130 percent	11	9	11	12	10	11
131 percent or higher	3	0	1	5	0	1
Countable income source						
With earned income	23	27	25	25	29	25
One earner	22	--	24	24	--	24
Two or more earners	1	--	1	1	--	1
With unearned income	52	56	41	53	60	43
and with earned income	7	9	3	7	10	3
SNAP benefit size						
Minimum benefit or less	6	5	7	7	6	8
Maximum benefit	45	37	40	42	32	38

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	Fiscal year 2015			Fiscal year 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	1.9	2.2	2.1	1.9	2.2	2.1
Number of children (among cases with children)	2.1	2.1	2.1	2.1	2.1	2.1
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	51	50	50	55	54	50
Gross income (\$)	669	687	677	717	741	684
Gross earned income (\$)	266	298	288	297	320	287
Gross unearned income (\$)	437	389	351	459	420	360
SNAP benefit (\$)	253	259	252	245	253	252

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Table D.2.a. Monthly comparison of SNAP subpopulations in Illinois, Mississippi, and Tennessee administrative data, October and November 2015

	October 2015			November 2015		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	42	44	41	42	44	41
Non-elderly adults (ages 18 to 59)	47	48	51	47	48	51
Elderly adults (ages 60 or older)	11	8	8	11	8	8
SNAP case size						
One person	56	49	52	56	49	52
Two people	18	18	17	18	18	17
Three or four people	20	25	23	20	25	23
Five or more people	6	8	8	6	8	8
SNAP case composition						
With at least one child	39	44	41	39	44	41
and one adult	24	27	26	24	27	27
and two or more adults	9	13	15	9	13	15
and no adults (child only)	5	4	0	5	4	0
No children	61	56	59	61	56	59
and adult age 18 to 49	29	27	29	29	27	29
With at least one elderly person	19	17	17	19	17	17
and no one else	16	14	14	16	14	14
and only other elderly people	2	1	1	2	1	1
and non-elderly people	42	50	47	42	50	47
No elderly people	81	83	83	81	83	83
Countable income as a percentage of poverty guidelines						
No gross income	33	25	31	33	25	31
1 to 50 percent	14	20	18	14	20	18
51 to 100 percent	38	45	40	38	46	40
101 to 130 percent	12	9	10	12	9	10
131 percent or higher	4	0	1	4	0	1
Countable income source						
With earned income	23	27	25	23	27	25
One earner	23	0	24	23	0	24
Two or more earners	1	0	1	1	0	1
With unearned income	51	57	41	51	57	42
and with earned income	6	9	3	6	9	3
SNAP benefit size						
Minimum benefit or less	6	5	7	6	5	7
Maximum benefit	44	36	39	44	36	39

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	October 2015			November 2015		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	1.9	2.1	2.1	1.9	2.1	2.1
Number of children (among cases with children)	2.1	2.1	2.1	2.1	2.1	2.1
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	52	51	48	52	51	49
Gross income (\$)	685	696	660	687	697	664
Gross earned income (\$)	267	300	284	266	300	285
Gross unearned income (\$)	435	396	342	431	397	343
SNAP benefit (\$)	248	254	251	248	253	251

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Table D.2.b. Monthly comparison of SNAP subpopulations in Illinois, Mississippi, and Tennessee administrative data, December 2015 and January 2016

	December 2015			January 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	42	44	41	42	44	41
Non-elderly adults (ages 18 to 59)	47	48	51	47	48	51
Elderly adults (ages 60 or older)	11	9	9	12	9	9
SNAP case size						
One person	56	49	52	56	49	52
Two people	18	18	17	18	18	17
Three or four people	20	25	23	20	25	23
Five or more people	6	8	8	6	8	8
SNAP case composition						
With at least one child	39	45	41	38	44	41
and one adult	24	27	27	24	27	27
and two or more adults	9	13	14	9	13	15
and no adults (child only)	5	4	0	5	4	0
No children	61	55	59	62	56	59
and adult age 18 to 49	29	27	29	29	26	29
With at least one elderly person	20	17	17	20	17	17
and no one else	16	14	14	17	15	14
and only other elderly people	2	1	1	2	1	1
and non-elderly people	42	50	47	42	50	47
No elderly people	80	83	83	80	83	83
Countable income as a percentage of poverty guidelines						
No gross income	32	25	30	31	24	30
1 to 50 percent	14	20	18	14	20	18
51 to 100 percent	38	46	40	39	46	41
101 to 130 percent	12	9	11	12	9	11
131 percent or higher	4	0	1	4	0	1
Countable income source						
With earned income	23	27	25	25	28	25
One earner	22	0	24	24	0	24
Two or more earners	1	0	1	1	0	1
With unearned income	51	57	42	55	57	42
and with earned income	6	9	3	8	9	3
SNAP benefit size						
Minimum benefit or less	6	5	7	7	5	8
Maximum benefit	43	36	39	43	36	39

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	December 2015			January 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	1.9	2.1	2.1	1.9	2.1	2.1
Number of children (among cases with children)	2.1	2.1	2.1	2.1	2.1	2.1
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	53	51	49	54	51	49
Gross income (\$)	698	699	668	707	704	671
Gross earned income (\$)	265	302	285	301	305	283
Gross unearned income (\$)	433	397	346	473	399	347
SNAP benefit (\$)	247	253	250	245	252	250

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Table D.2.c. Monthly comparison of SNAP subpopulations in Illinois, Mississippi, and Tennessee administrative data, February and March 2016

	February 2016			March 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	42	44	41	42	46	41
Non-elderly adults (ages 18 to 59)	47	47	50	47	45	50
Elderly adults (ages 60 or older)	12	9	9	12	9	9
SNAP case size						
One person	56	49	52	56	48	52
Two people	18	18	17	18	18	17
Three or four people	20	25	23	20	26	23
Five or more people	6	8	8	6	8	8
SNAP case composition						
With at least one child	38	45	41	38	48	41
and one adult	24	28	27	24	29	27
and two or more adults	9	13	15	9	14	15
and no adults (child only)	5	4	0	5	5	0
No children	62	55	59	62	52	59
and adult age 18 to 49	28	25	29	28	19	28
With at least one elderly person	20	18	17	21	19	17
and no one else	17	15	14	17	16	14
and only other elderly people	2	1	1	2	1	1
and non-elderly people	42	50	47	42	52	47
No elderly people	80	82	83	79	81	83
Countable income as a percentage of poverty guidelines						
No gross income	31	23	30	31	19	30
1 to 50 percent	14	20	18	13	20	18
51 to 100 percent	39	47	41	39	50	41
101 to 130 percent	12	10	11	12	10	11
131 percent or higher	5	0	1	5	0	1
Countable income source						
With earned income	25	28	25	25	30	25
One earner	24	0	24	24	0	24
Two or more earners	1	0	1	1	0	1
With unearned income	55	58	42	55	61	43
and with earned income	8	9	3	8	10	3
SNAP benefit size						
Minimum benefit or less	7	5	8	7	6	8
Maximum benefit	42	35	39	42	31	38

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	February 2016			March 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	1.9	2.2	2.1	1.9	2.2	2.1
Number of children (among cases with children)	2.1	2.1	2.1	2.1	2.1	2.1
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	55	52	49	55	55	49
Gross income (\$)	715	714	672	723	758	673
Gross earned income (\$)	302	309	285	303	328	285
Gross unearned income (\$)	476	405	349	477	430	351
SNAP benefit (\$)	244	252	250	243	252	251

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Table D.2.d. Monthly comparison of SNAP subpopulations in Illinois, Mississippi, and Tennessee administrative data, April and May 2016

	April 2016			May 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	42	47	41	42	47	42
Non-elderly adults (ages 18 to 59)	46	44	50	46	44	50
Elderly adults (ages 60 or older)	12	9	9	12	9	9
SNAP case size						
One person	56	47	52	56	47	51
Two people	18	18	17	18	17	17
Three or four people	20	27	23	20	27	23
Five or more people	6	9	8	6	9	9
SNAP case composition						
With at least one child	39	49	42	39	49	42
and one adult	24	30	27	24	30	27
and two or more adults	9	14	15	9	14	15
and no adults (child only)	5	5	0	5	5	0
No children	61	51	58	61	51	58
and adult age 18 to 49	28	18	27	28	17	26
With at least one elderly person	21	20	18	21	20	18
and no one else	17	16	15	17	17	15
and only other elderly people	2	1	1	2	1	1
and non-elderly people	42	52	47	42	52	48
No elderly people	79	80	82	79	80	82
Countable income as a percentage of poverty guidelines						
No gross income	31	18	29	30	17	28
1 to 50 percent	13	20	18	13	20	18
51 to 100 percent	39	51	41	39	51	42
101 to 130 percent	12	11	11	12	11	11
131 percent or higher	5	0	1	6	0	1
Countable income source						
With earned income	25	30	26	25	31	26
One earner	24	0	24	24	0	25
Two or more earners	1	0	1	1	0	1
With unearned income	55	62	43	55	62	43
and with earned income	8	10	3	8	10	3
SNAP benefit size						
Minimum benefit or less	7	6	8	7	6	8
Maximum benefit	42	29	37	42	29	37

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	April 2016			May 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	1.9	2.2	2.1	1.9	2.2	2.1
Number of children (among cases with children)	2.1	2.1	2.1	2.1	2.1	2.1
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	55	57	50	56	57	51
Gross income (\$)	729	772	682	735	778	689
Gross earned income (\$)	306	335	290	309	339	293
Gross unearned income (\$)	476	437	356	474	439	359
SNAP benefit (\$)	243	252	251	243	252	252

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Table D.2.e. Monthly comparison of SNAP subpopulations in Illinois, Mississippi, and Tennessee administrative data, June and July 2016

	June 2016			July 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	42	47	42	42	47	42
Non-elderly adults (ages 18 to 59)	46	44	49	46	44	49
Elderly adults (ages 60 or older)	12	9	9	12	9	9
SNAP case size						
One person	56	47	51	56	47	51
Two people	18	17	17	18	17	17
Three or four people	20	27	23	20	27	23
Five or more people	6	9	9	6	9	9
SNAP case composition						
With at least one child	39	49	43	39	49	42
and one adult	24	30	28	24	30	28
and two or more adults	9	14	15	9	14	15
and no adults (child only)	5	5	0	5	5	0
No children	61	51	57	61	51	57
and adult age 18 to 49	28	17	26	28	17	26
With at least one elderly person	20	20	18	20	20	18
and no one else	17	17	15	17	17	15
and only other elderly people	2	1	1	2	1	1
and non-elderly people	42	52	48	42	52	48
No elderly people	80	80	82	80	80	82
Countable income as a percentage of poverty guidelines						
No gross income	31	17	28	31	18	28
1 to 50 percent	13	20	18	13	21	18
51 to 100 percent	38	51	42	38	51	42
101 to 130 percent	12	11	11	12	10	11
131 percent or higher	6	0	1	6	0	1
Countable income source						
With earned income	25	31	26	25	30	26
One earner	24	0	25	24	0	25
Two or more earners	1	0	1	1	0	1
With unearned income	54	62	43	53	62	43
and with earned income	8	10	3	7	10	3
SNAP benefit size						
Minimum benefit or less	7	6	8	7	6	8
Maximum benefit	42	29	37	42	29	37

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	June 2016			July 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	2.0	2.2	2.1	2.0	2.2	2.1
Number of children (among cases with children)	2.1	2.1	2.1	2.1	2.1	2.1
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	56	57	51	56	57	51
Gross income (\$)	736	778	691	733	774	689
Gross earned income (\$)	312	338	291	312	334	291
Gross unearned income (\$)	468	440	358	462	440	357
SNAP benefit (\$)	244	253	252	244	253	253

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Table D.2.f. Monthly comparison of SNAP subpopulations in Illinois, Mississippi, and Tennessee administrative data, August and September 2016

	August 2016			September 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Percentages						
Participant age						
Children (ages 0 to 17)	42	47	42	42	47	42
Non-elderly adults (ages 18 to 59)	46	44	49	46	43	49
Elderly adults (ages 60 or older)	12	9	9	12	9	9
SNAP case size						
One person	56	47	51	56	47	51
Two people	18	17	17	18	17	17
Three or four people	20	27	23	20	27	23
Five or more people	6	9	9	6	9	9
SNAP case composition						
With at least one child	39	49	43	39	49	42
and one adult	25	30	28	25	30	28
and two or more adults	9	14	15	9	14	15
and no adults (child only)	5	5	0	5	5	0
No children	61	51	58	61	51	58
and adult age 18 to 49	28	17	26	28	17	26
With at least one elderly person	20	20	18	21	20	18
and no one else	17	17	15	17	17	15
and only other elderly people	2	1	1	2	1	1
and non-elderly people	42	52	48	42	52	48
No elderly people	80	80	82	79	80	82
Countable income as a percentage of poverty guidelines						
No gross income	31	18	28	31	18	29
1 to 50 percent	13	20	18	13	21	18
51 to 100 percent	38	51	42	38	51	42
101 to 130 percent	12	11	11	12	11	11
131 percent or higher	6	0	1	6	0	1
Countable income source						
With earned income	25	30	26	25	30	26
One earner	24	0	25	24	0	25
Two or more earners	1	0	1	1	0	1
With unearned income	53	62	43	52	62	43
and with earned income	7	10	3	7	10	3
SNAP benefit size						
Minimum benefit or less	7	6	8	7	6	8
Maximum benefit	42	29	37	42	30	37

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	August 2016			September 2016		
	Illinois	Mississippi	Tennessee	Illinois	Mississippi	Tennessee
Average values						
SNAP case size	1.9	2.2	2.1	1.9	2.2	2.1
Number of children (among cases with children)	2.1	2.1	2.1	2.1	2.1	2.1
Number of elderly adults (among cases with elderly adults)	1.1	1.1	1.1	1.1	1.1	1.1
Income as a percentage of poverty	55	57	50	56	56	50
Gross income (\$)	731	774	686	734	772	686
Gross earned income (\$)	311	334	293	311	334	294
Gross unearned income (\$)	456	440	355	451	439	355
SNAP benefit (\$)	245	253	253	244	254	253

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Table D.3. SNAP households per dwelling and the distribution of SNAP households by the number of SNAP household members

	Fiscal year 2011		Fiscal year 2012		Fiscal year 2013		Fiscal year 2014		Fiscal year 2015		Fiscal year 2016	
	Number (1,000's)	Percent	Number (1,000's)	Percent	Number (1,000's)	Percent	Number (1,000's)	Percent	Number (1,000's)	Percent	Number (1,000's)	Percent
Illinois												
Total dwellings	574	100.0	608	100.0	674	100.0	687	100.0	711	100.0	690	100.0
One SNAP case	491	85.5	516	84.9	562	83.4	570	83.0	586	82.4	584	84.6
One person	223	38.9	243	40.0	273	40.5	285	41.5	305	42.9	300	43.5
Larger than one	268	46.7	273	44.9	289	42.9	285	41.5	281	39.5	284	41.2
Two SNAP cases	67	11.7	74	12.2	89	13.2	92	13.4	98	13.8	85	12.3
All one person	21	3.7	24	3.9	30	4.5	32	4.7	35	4.9	34	4.9
Some one person	27	4.7	30	4.9	36	5.3	37	5.4	40	5.6	35	5.1
All larger than one	18	3.1	20	3.3	23	3.4	23	3.3	23	3.2	16	2.3
Three or more cases	16	2.8	18	3.0	23	3.4	24	3.5	27	3.8	22	3.2
All one person	5	0.9	5	0.8	6	0.9	7	1.0	8	1.1	7	1.0
Some one person	10	1.7	11	1.8	14	2.1	15	2.2	17	2.4	13	1.9
All larger than one	2	0.3	2	0.3	2	0.3	2	0.3	2	0.3	1	0.1
Mississippi												
Total dwellings	199	100.0	212	100.0	218	100.0	217	100.0	213	100.0	198	100.0
One SNAP case	174	87.4	184	86.8	188	86.2	187	86.2	184	86.4	174	87.9
One person	68	34.2	75	35.4	78	35.8	79	36.4	79	37.1	75	37.9
Larger than one	106	53.3	109	51.4	110	50.5	108	49.8	105	49.3	99	50.0
Two SNAP cases	21	10.6	24	11.3	25	11.5	25	11.5	24	11.3	21	10.6
All one person	6	3.0	8	3.8	8	3.7	8	3.7	9	4.2	7	3.5
Some one person	9	4.5	10	4.7	11	5.0	11	5.1	10	4.7	9	4.5
All larger than one	6	3.0	6	2.8	6	2.8	6	2.8	5	2.3	4	2.0
Three or more cases	4	2.0	5	2.4	5	2.3	5	2.3	5	2.3	4	2.0
All one person	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5	1	0.5
Other	3	1.5	3	1.4	4	1.8	4	1.8	4	1.9	3	1.5

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	Fiscal year 2011		Fiscal year 2012		Fiscal year 2013		Fiscal year 2014		Fiscal year 2015		Fiscal year 2016	
	Number (1,000's)	Percent	Number (1,000's)	Percent	Number (1,000's)	Percent	Number (1,000's)	Percent	Number (1,000's)	Percent	Number (1,000's)	Percent
Tennessee												
Total dwellings	610	100.0	641	100.0	663	100.0	654	100.0	617	100.0	553	100.0
One SNAP case	607	99.5	638	99.5	660	99.5	652	99.7	615	99.7	552	99.8
One person	296	48.5	319	49.8	338	51.0	337	51.5	322	52.2	285	51.5
Larger than one	311	51.0	319	49.8	322	48.6	314	48.0	293	47.5	266	48.1
Two SNAP cases	3	0.5	3	0.5	3	0.5	2	0.3	2	0.3	2	0.4
All one person	2	0.3	2	0.3	2	0.3	1	0.2	1	0.2	1	0.2
Other	1	0.2	1	0.2	1	0.2	1	0.2	1	0.2	1	0.2

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