



**United States Department of Agriculture**

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**Current Perspectives on SNAP Participation**

# **Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2016 to Fiscal Year 2020**

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Food and Nutrition Service, Office of Policy Support

December 2022

*Trends in Supplemental Nutrition Assistance  
Program Participation Rates: Fiscal Year 2016  
to Fiscal Year 2020*

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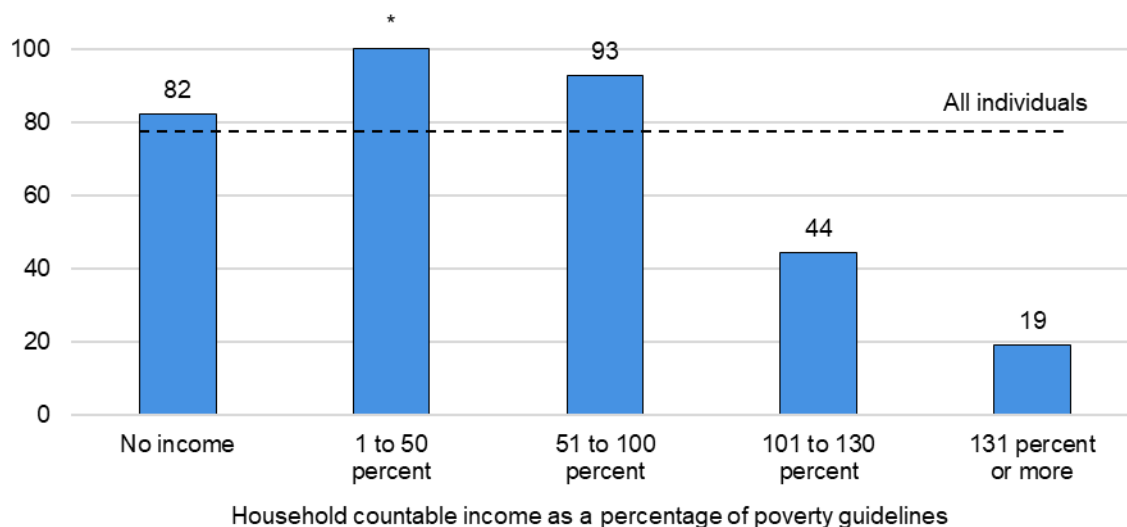
## EXECUTIVE SUMMARY

The Supplemental Nutrition Assistance Program (SNAP) provides nutrition assistance to eligible low-income individuals and households in need. SNAP is the largest of the domestic nutrition assistance programs administered by the Food and Nutrition Service (FNS) of the U.S. Department of Agriculture (USDA). In fiscal year (FY) 2020, SNAP provided \$74.2 billion in annual benefits to 39.9 million people in an average month. In the pre-pandemic months of FY 2020 (from October 2019 through February 2020), SNAP provided \$22.6 billion in benefits to 37.3 million people in an average month.

Given that the COVID-19 public health emergency affected the quality of the data used to estimate the SNAP participation rates starting in March 2020 and that economic and program circumstances changed during the public health emergency, FY 2020 participation rates were estimated for the pre-pandemic period of October 2019 through February 2020. Of the 42 million individuals eligible for SNAP in an average month during this period, nearly 33 million (78 percent) participated, and approximately 9 million did not.<sup>1</sup> The participation rate among individuals decreased by 3 percentage points— from 81 to 78 percent—from FY 2019 to pre-pandemic FY 2020.

The neediest individuals participate in SNAP at higher rates than do other eligible individuals (Figure ES.1). For example, individuals in households with incomes below 51 percent of the Federal poverty guidelines participated at about twice the rate of individuals in households with incomes between 100 and 130 percent of the poverty guidelines (Figure ES.1). Conversely, eligible individuals in households with incomes over 130 percent of the poverty guidelines participated at a much lower rate—just 19 percent in pre-pandemic FY 2020.

**Figure ES.1. The neediest individuals participate in SNAP at higher rates than other eligible individuals, pre-pandemic FY 2020**



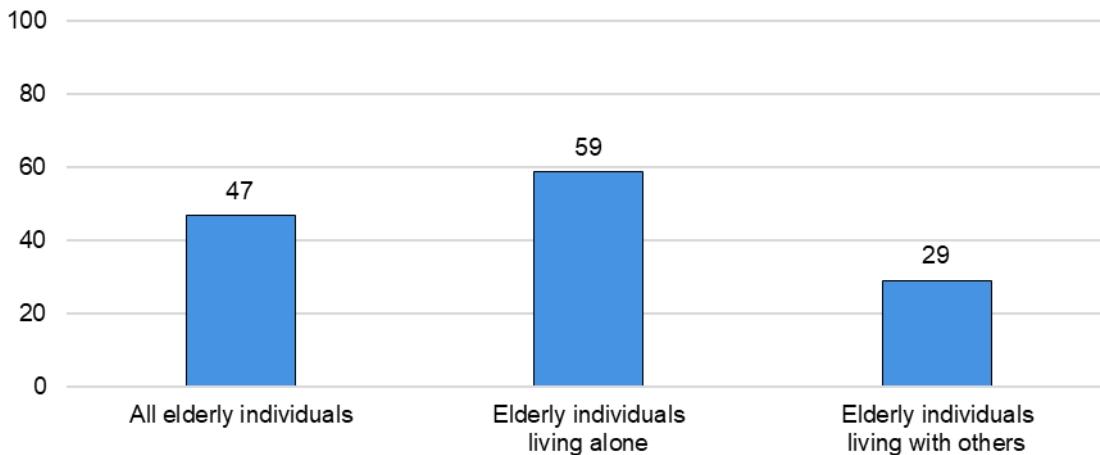
Sources: FY 2020 SNAP Program Operations and SNAP Quality Control data for October 2019 through February 2020; and 2020 and 2021 Current Population Survey Annual Social and Economic Supplement data.

\* In this report, we do not report estimated rates higher than 100 percent. See Appendix D for more information.

<sup>1</sup> The FY 2020 participant total for the pre-pandemic period presented in this report differs from the official participation total of 37.3 million because it excludes certain individuals, such as those who lived in Guam and the Virgin Islands; those who were categorically eligible under State policies and did not meet the Federal SNAP income or resource rules; and those who received temporary disaster benefits.

SNAP participation rates vary by demographic subgroup, including age. The participation rate for children has historically been relatively high and remained so in pre-pandemic FY 2020 (97 percent). Conversely, only 47 percent of eligible elderly adults (age 60 or older) participated in pre-pandemic FY 2020 (Figure ES.2). The rate for elderly individuals living with others was particularly low—less than half the rate of those living alone.

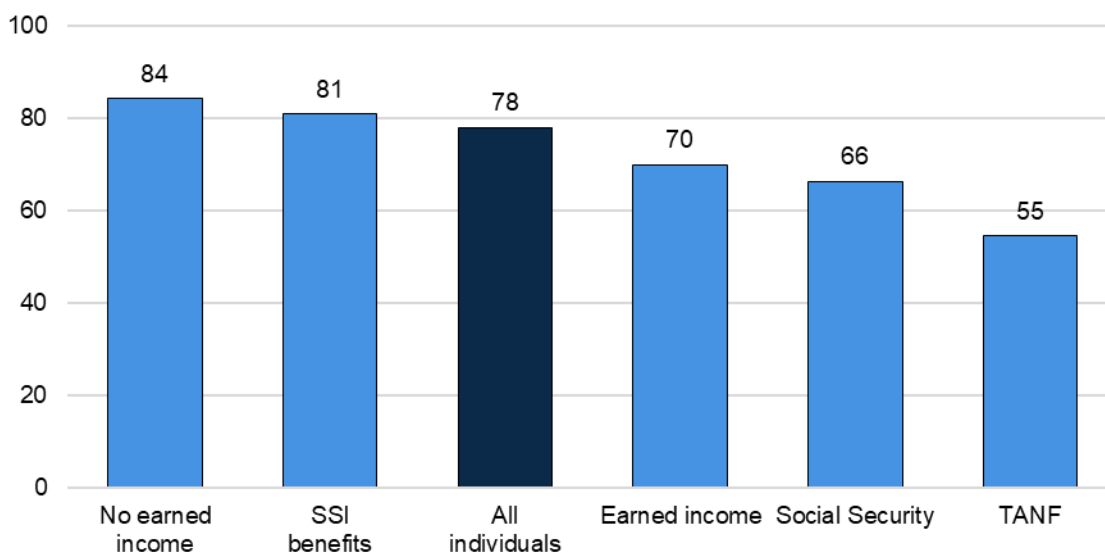
**Figure ES.2. Participation rates for elderly individuals vary by living situation, pre-pandemic FY 2020**



Sources: FY 2020 SNAP Program Operations and SNAP Quality Control data for October 2019 through February 2020; and 2020 and 2021 Current Population Survey Annual Social and Economic Supplement data.

Participation rates also vary by economic subgroup, with rates below average for individuals in households with earned income (70 percent), Social Security income (66 percent), and Temporary Assistance for Needy Families (TANF) income (55 percent). In contrast, participation rates for individuals in households without earned income and for individuals receiving Supplemental Security Income (SSI) benefits are higher than the national rate (Figure ES.3).

**Figure ES.3. Participation rates for individuals vary by household income sources, pre-pandemic FY 2020**



Sources: FY 2020 SNAP Program Operations and SNAP Quality Control data for October 2019 through February 2020; and 2020 and 2021 Current Population Survey Annual Social and Economic Supplement data.

The FY 2016 through pre-pandemic FY 2020 participation rates in this report were estimated with methodologically consistent approaches, meaning that they can be used to observe and evaluate trends in SNAP participation over that period. The rates presented in this report for the first three years in the series (FY 2016 through FY 2018) are also consistent with those published in Vigil (2021). However, the FY 2019 participation rates presented in this report differ from those in Vigil (2021) because we re-estimated the FY 2019 estimates, as described below. In addition, because of methodological changes made since earlier reports in this series, the FY 2016 through pre-pandemic FY 2020 rates in this report should not be compared to those published before Lauffer and Vigil (2021) or rates presented in this report's appendices for years before FY 2016.

We estimated participation rate denominators from the Current Population Survey (CPS) Annual Social and Economic Supplement (ASEC) data. To estimate pre-pandemic FY 2020 SNAP eligibility, we used the 2020 and 2021 CPS ASEC, including revised public use entropy balance weights that account for survey nonresponse bias as a result of the COVID-19 pandemic. We also re-estimated FY 2019 SNAP eligibility by using the 2020 revised CPS ASEC public use entropy balance weights.

Because SNAP participation is underreported in survey data, we estimated participation from SNAP Quality Control (QC) data. We based the pre-pandemic FY 2020 participation estimates on SNAP QC data from October 2019 through February 2020. Differences between the CPS ASEC and SNAP QC data resulted in some estimated participation rates exceeding 100 percent. These differences reflect who is represented in the data, what household composition data are available, when and how income is reported, and the extent to which program participation is reported.





## INTRODUCTION

The Supplemental Nutrition Assistance Program (SNAP) provides nutrition assistance to eligible low-income individuals and households in need. In fiscal year (FY) 2020, SNAP provided \$74.2 billion in annual benefits to an average of 39.9 million people per month. In the pre-pandemic months of FY 2020 (October 2019 through February 2020), SNAP provided a total of \$22.6 billion in benefits to an average of 37.3 million people per month.<sup>2</sup>

Most individuals whose income and resources fall below certain thresholds are eligible for SNAP. Others are categorically eligible because they live in pure public assistance (PA) households. These are households in which each member receives Supplemental Security Income (SSI); Temporary Assistance for Needy Families (TANF) cash benefits; or, in some States, General Assistance (GA) cash benefits. The individual and household participation rates in this report are estimated percentages of individuals and households that were eligible for SNAP under Federal income and resource rules and who chose to participate in the program. The benefit receipt rates indicate the amount of benefits received as a proportion of total benefits that would have been paid if every eligible household had participated. Some individuals may be eligible for SNAP because they meet other, broader State criteria for categorical eligibility. However, those eligible solely based on State criteria are not included in these estimates.

We estimated this report's participation rates for FY 2016 through pre-pandemic FY 2020 with methodologically consistent approaches, meaning that the rates can be used to observe and evaluate trends in SNAP participation over that period. The rates presented in this report for the first three years in the series (FY 2016 through FY 2018) are also consistent with those published in Vigil (2021). However, the FY 2019 participation rates presented in this report differ from those in Vigil (2021) because we re-estimated the FY 2019 estimates, as described below. In addition, because of methodological changes made since earlier reports in this series, the FY 2016 through pre-pandemic FY 2020 rates in this report should not be compared to those published before Lauffer and Vigil (2021) or rates presented in this report's appendices for years before FY 2016.

The COVID-19 public health emergency affected the quality of the SNAP Quality Control (QC) data, which is used to estimate the participation rate numerators. Specifically, FNS granted States temporary waivers on conducting QC reviews starting in March 2020. Very few States collected SNAP QC data from March 2020 to May 2020. Most States opted to conduct QC reviews from June 2020 through September 2020, although FNS was unable to provide its usual level of oversight of the sampling procedures. Furthermore, monthly State samples for this time period were often smaller than usual. In addition, economic and program circumstances changed during the public health emergency. For these reasons, FY 2020 rates were estimated for the pre-pandemic period of October 2019 through February 2020.

We estimated participation rate denominators from the Current Population Survey (CPS) Annual Social and Economic Supplement (ASEC) data. To estimate pre-pandemic FY 2020 SNAP eligibility, we used the 2020 and 2021 CPS ASEC, including revised public use entropy

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<sup>2</sup> The FY 2020 participant total for the pre-pandemic period presented elsewhere in this report differs from the official participation total of 37.3 million because it excludes certain individuals, such as those who lived in Guam and the Virgin Islands, were categorically eligible under State policies and did not meet the Federal SNAP income or resource rules, or (3) received temporary disaster benefits. See Appendix D for more information.

balance weights that account for survey nonresponse bias as a result of the COVID-19 pandemic. We also re-estimated FY 2019 SNAP eligibility by using the 2020 revised CPS ASEC public use entropy balance weights. This resulted in small differences between the estimates for FY 2019 presented in this report and those published in Vigil (2021). The use of the revised weights resulted in an increase to the estimate of individuals eligible for SNAP in FY 2019, which in turn resulted in a change to the estimated overall individual participation rate from 82 percent in Vigil (2021) to 81 percent. Individual subgroup participation rates were approximately 0 to 3 percentage points lower using the revised weights compared to those in Vigil (2021). The overall household participation rate estimate did not change.

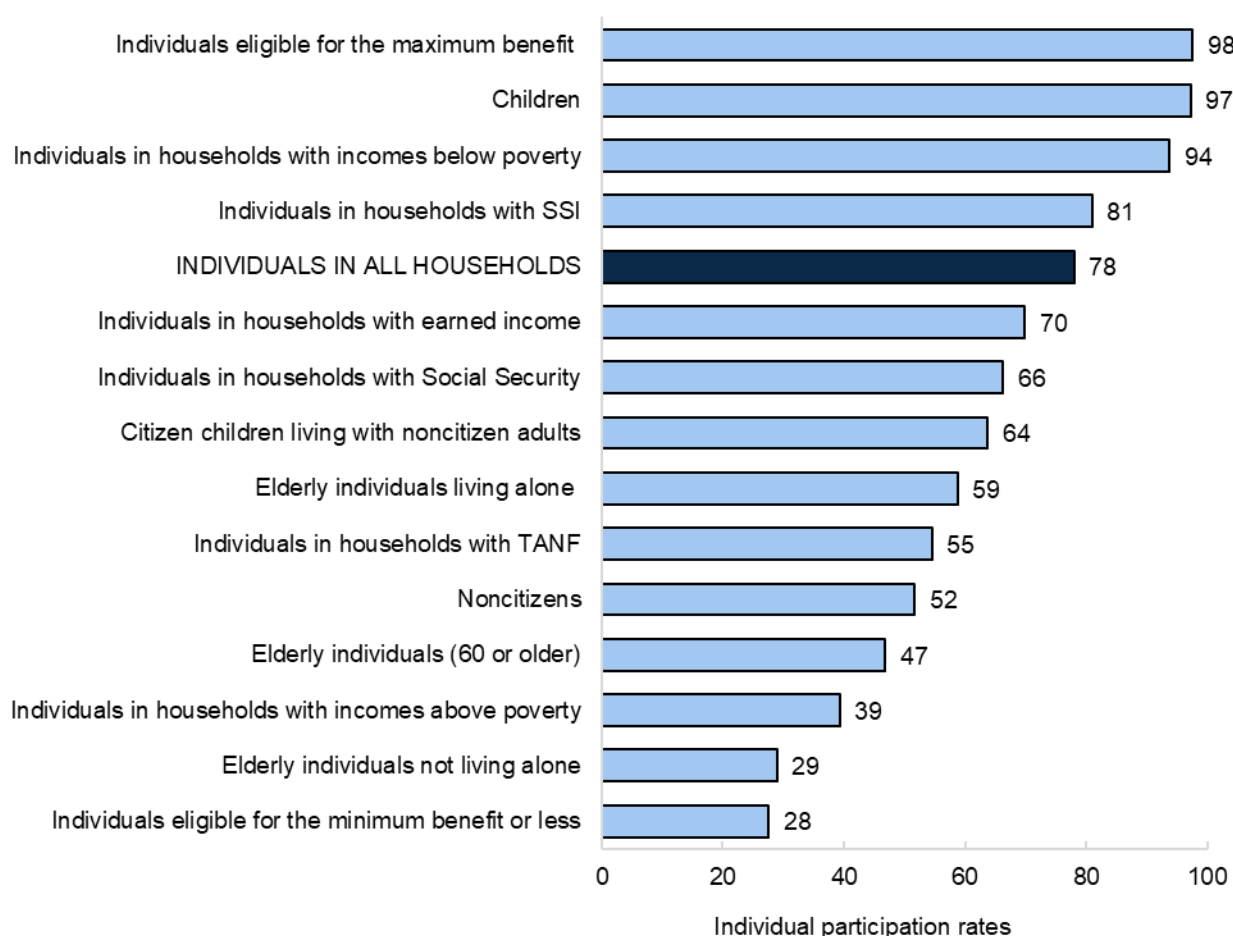
Because SNAP participation is underreported in survey data, we estimated participation from SNAP Quality Control (QC) data. We based the pre-pandemic FY 2020 participation estimates on SNAP QC data for October 2019 through February 2020. Differences between the CPS ASEC and SNAP QC data resulted in some estimated participation rates exceeding 100 percent. These differences reflect who is represented in the data, what household composition data are available, when and how income is reported, and the extent to which program participation is reported.

In Appendix A, we present detailed tables showing the participation rates for pre-pandemic FY 2020. In Appendix B, we include tables showing subgroup participation rates for FY 2016 through pre-pandemic FY 2020—the years examined in this report. Tables showing historical SNAP participation rates appear in Appendix C. In Appendices D and E, we explain the methodology used to develop the rates and the sampling error of the participation rate estimates, respectively. Appendix F presents historical economic and policy influences on SNAP. In Appendix G, we outline SNAP eligibility policies from 1976 to 2020. Appendix H lists all previous reports in this series.

## ESTIMATED PARTICIPATION RATES FOR PRE-PANDEMIC FY 2020

In an average month during the pre-pandemic period in FY 2020 (October 2019 through February 2020), approximately 42 million individuals were eligible for SNAP under Federal rules. Of those, nearly 33 million participated in the program (Table 1).<sup>3</sup> The individual participation rate was 78 percent, and the household rate was 3 percentage points higher, at 81 percent. SNAP participation rates varied by demographic and economic subgroup (Tables 2 and 3; Figure 1). Historically, the neediest individuals have participated at higher rates than have other eligible individuals. The same pattern held in pre-pandemic FY 2020; an estimated 94 percent of individuals in households with incomes at or below 100 percent of the Federal poverty guidelines participated, compared to only 39 percent of households with incomes greater than 100 percent of the poverty guidelines. In addition, only 28 percent of individuals who were eligible for the minimum benefit or less participated in FY 2020.<sup>4</sup>

**Figure 1. Individual participation rate estimates by subgroup, pre-pandemic FY 2020**



Sources: FY 2020 SNAP Program Operations and SNAP Quality Control data for October 2019 through February 2020; 2020 and 2021 Current Population Survey Annual Social and Economic Supplement data.

\* In this report, we do not report estimated rates higher than 100 percent. See Appendix D for more information.

<sup>3</sup> All tables are presented at the end of the main text.

<sup>4</sup> The minimum benefit is applicable only to one- and two-person households.

Elderly individuals (age 60 or older) typically participate in SNAP at lower-than-average rates—47 percent in pre-pandemic FY 2020. Among this group, the participation rate for those living alone (59 percent) was more than twice that of those living with others (29 percent) (Table 2; Figure 1). Social Security recipients, a group that typically includes many elderly individuals, also participate at lower-than-average rates (66 percent). Four other groups with participation rates below the pre-pandemic FY 2020 national rate were individuals in households with earned income, those in households with TANF income, noncitizens, and citizen children living with noncitizen adults (70, 55, 52, and 64 percent, respectively). In contrast to the four aforementioned subgroups, the participation rate for children has historically been relatively high, and it remained so in pre-pandemic FY 2020 (97 percent) (Figure 1).

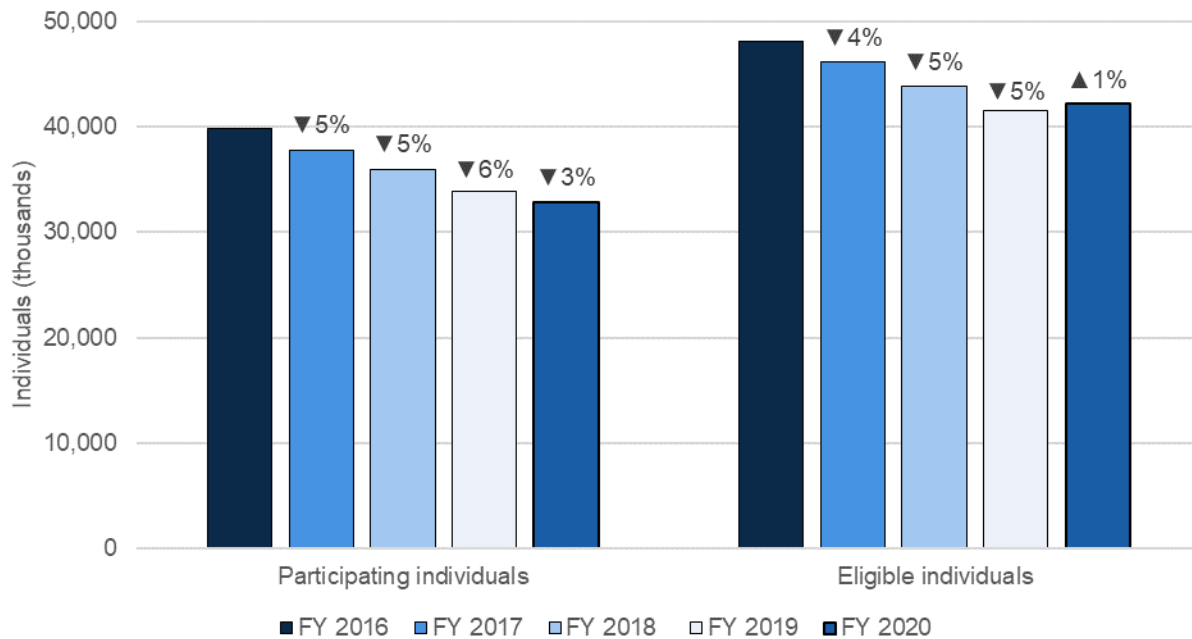
## **TRENDS IN PARTICIPATION RATES FROM FY 2016 TO PRE-PANDEMIC FY 2020**

The participation rate among eligible individuals decreased by 5 percentage points between FY 2016 and pre-pandemic FY 2020, a statistically significant change. The rate gradually decreased from 83 percent in FY 2016 to 81 percent in FY 2019, and then decreased to 78 percent in pre-pandemic FY 2020, the lowest rate in the time period (Tables 2 and 3).

Both the number of SNAP participants and the number of eligible individuals decreased from FY 2016 to pre-pandemic FY 2020. The number of SNAP participants decreased between 5 and 6 percent in each year from FY 2017 to FY 2019, and by nearly 3 percent in pre-pandemic FY 2020, a net decrease of approximately 18 percent between FY 2016 and pre-pandemic FY 2020 (Table 4; Figure 2). This decrease in the number of participants may be partially attributable to improving economic conditions for low-income households. Such a decrease in SNAP participation has been seen in previous periods of recovery from economic recession (Figure F.1).

The number of eligible individuals decreased by a slightly lower amount between FY 2016 and pre-pandemic FY 2020. Specifically, eligibility decreased between 4 and 6 percent in each year from FY 2017 to FY 2019, and then increased in pre-pandemic FY 2020 (1.5 percent) (Table 4; Figure 2). Overall, the number of eligible individuals decreased by 12 percent between FY 2016 and pre-pandemic FY 2020.

**Figure 2. Changes from the previous year in participating individuals and eligible individuals, FY 2016 to pre-pandemic FY 2020**



Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: FY 2020 findings are for the pre-pandemic period (October 2019 to February 2020).

## TRENDS IN PARTICIPATION RATES FOR SUBGROUPS

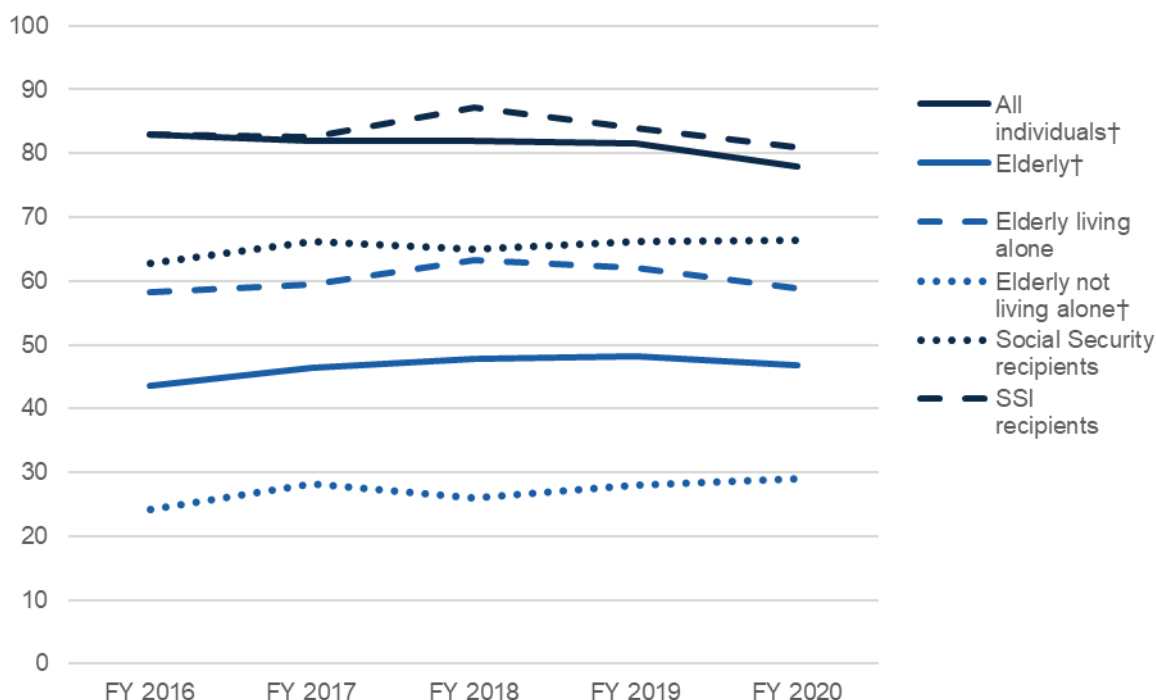
Similar to the overall participation rate, many demographic and economic subgroups experienced a statistically significant change in their participation rate from FY 2016 to pre-pandemic FY 2020.

**Between FY 2016 and pre-pandemic FY 2020, participation rates for elderly individuals and Social Security recipients increased modestly (Figure 3).** Participation rates increased for all elderly individuals and for both subgroups of elderly individuals—those not living alone and those living alone. The participation rate for Social Security recipients, a group that includes many elderly individuals, also increased, while the rate for a related subgroup, Supplemental Security Income (SSI) recipients, decreased slightly (2 percentage points). The increases in participation rates for elderly individuals overall, elderly individuals not living alone, and Social Security recipients were statistically significant. However, the increase in the participation rate for elderly individuals living alone and the decrease in the rate for SSI recipients were not statistically significant.

The participation rates for the above groups fluctuated between FY 2016 and pre-pandemic FY 2020. Participation rates for elderly individuals overall and for elderly individuals living alone increased early in the period between FY 2016 and FY 2018, remained relatively unchanged between FY 2018 and FY 2019, and decreased between FY 2019 and pre-pandemic FY 2020 to 47 and 59 percent, respectively. Participation rates for Social Security recipients and elderly individuals living with others followed a slightly different pattern. Rates for those groups increased between FY 2016 and FY 2017, decreased slightly between FY 2017 and FY 2018, and increased again between FY 2018 and FY 2019. The participation rate for Social Security

recipients remained unchanged between FY 2019 and pre-pandemic FY 2020 at 66 percent while the participation rate for elderly individuals not living alone increased between 2019 and 2020 to 29 percent.

**Figure 3. Changes in participation rates for all individuals, elderly individuals, elderly individuals living alone, elderly individuals not living alone, Social Security recipients, and SSI recipients from FY 2016 to pre-pandemic FY 2020**



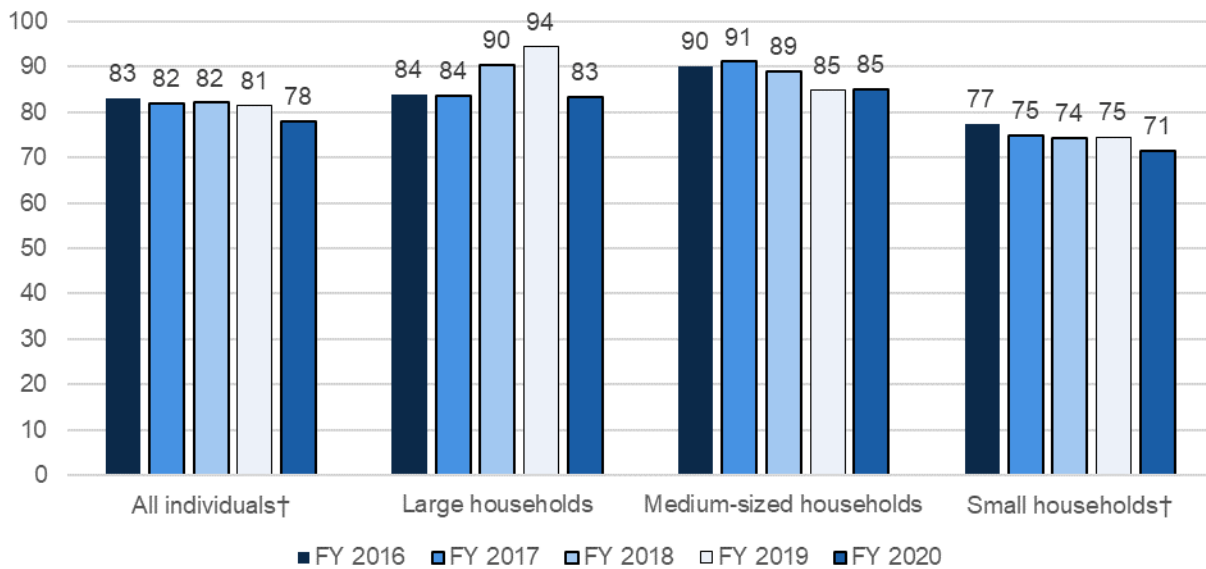
Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: FY 2020 findings are for the pre-pandemic period (October 2019 to February 2020).

† Indicates significance at the .10 level using a two-tailed t-test.

**The participation rate varied by household size, with a decrease from FY 2016 to pre-pandemic FY 2020 for individuals living in small (one or two members) and medium-sized households (three to four members) (Figure 4).** The participation rate for individuals living in small households decreased between FY 2016 and FY 2017, remained relatively unchanged between FY 2017 and FY 2019, and underwent a statistically significant decrease from FY 2019 to pre-pandemic FY 2020 to 71 percent. The 6 percentage point decrease over the full period was also statistically significant. The participation rate for individuals living in medium-sized households increased between FY 2016 and FY 2017, decreased between FY 2017 and FY 2019, and remained unchanged at 85 percent for the duration of the period. The participation rate of individuals living in large households remained unchanged between FY 2016 and FY 2018, increased between FY 2018 and FY 2019, and saw a large and statistically significant decrease from FY 2019 to pre-pandemic FY 2020 to arrive close to the participation rate at the beginning of the full period, 83 percent in pre-pandemic FY 2020.

**Figure 4. Participation rate for individuals by household size, FY 2016 to pre-pandemic FY 2020**



Sources: SNAP Program Operations data; SNAP Quality Control data Current Population Survey Annual Social and Economic Supplement data for the years shown.

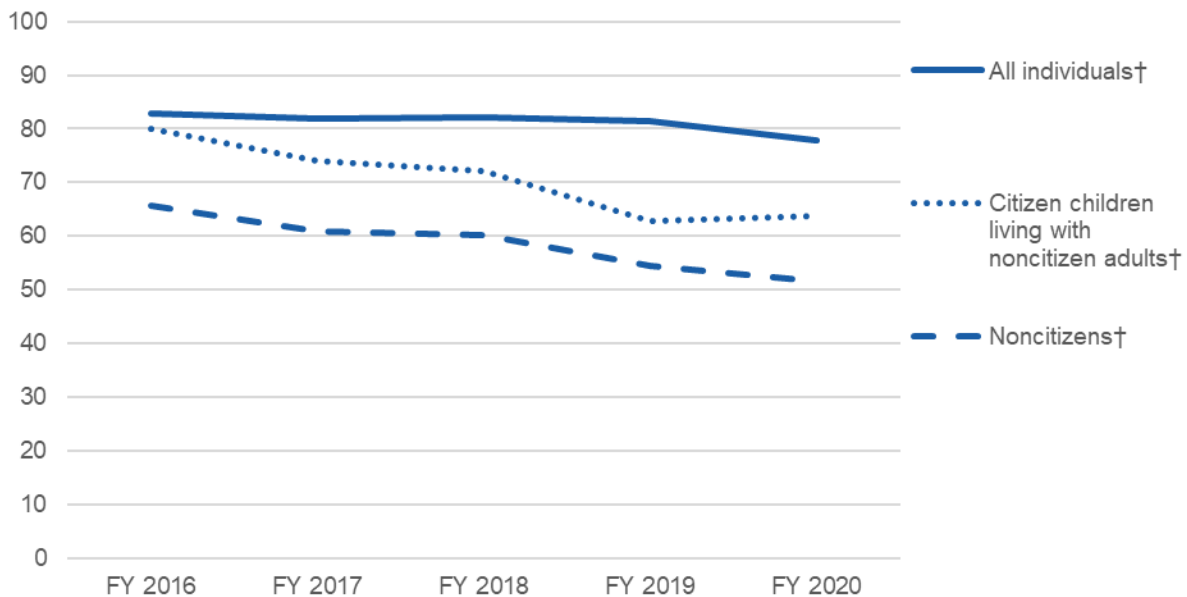
Note: Small households have one or two members, medium-sized households have three or four members, and large households have five or more members. FY 2020 findings are for the pre-pandemic period (October 2019 to February 2020).

† Indicates significance at the .10 level using a two-tailed t-test.

**Two related subgroups—noncitizens and citizen children living with noncitizen adults—experienced substantial decreases in participation rates between FY 2016 and pre-pandemic FY 2020 (Figure 5).** The participation rate for noncitizens decreased consistently from 66 percent in FY 2016 to 52 percent in pre-pandemic FY 2020.<sup>5</sup> The participation rate for citizen children living with noncitizen adults decreased by a larger amount, from 80 percent in FY 2016 to 64 percent in pre-pandemic FY 2020, although the rate increased between FY 2019 and pre-pandemic FY 2020. Differences over the period for both subgroups were statistically significant. Throughout the full period, the participation rate for both subgroups remained lower than that for all individuals.

<sup>5</sup> SNAP eligibility is limited to certain categories of lawfully present noncitizens. See Appendix D, Section A.2.a for more information.

**Figure 5. Change in the participation rate for noncitizens and citizen children living with noncitizen adults from FY 2016 to pre-pandemic FY 2020**



Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

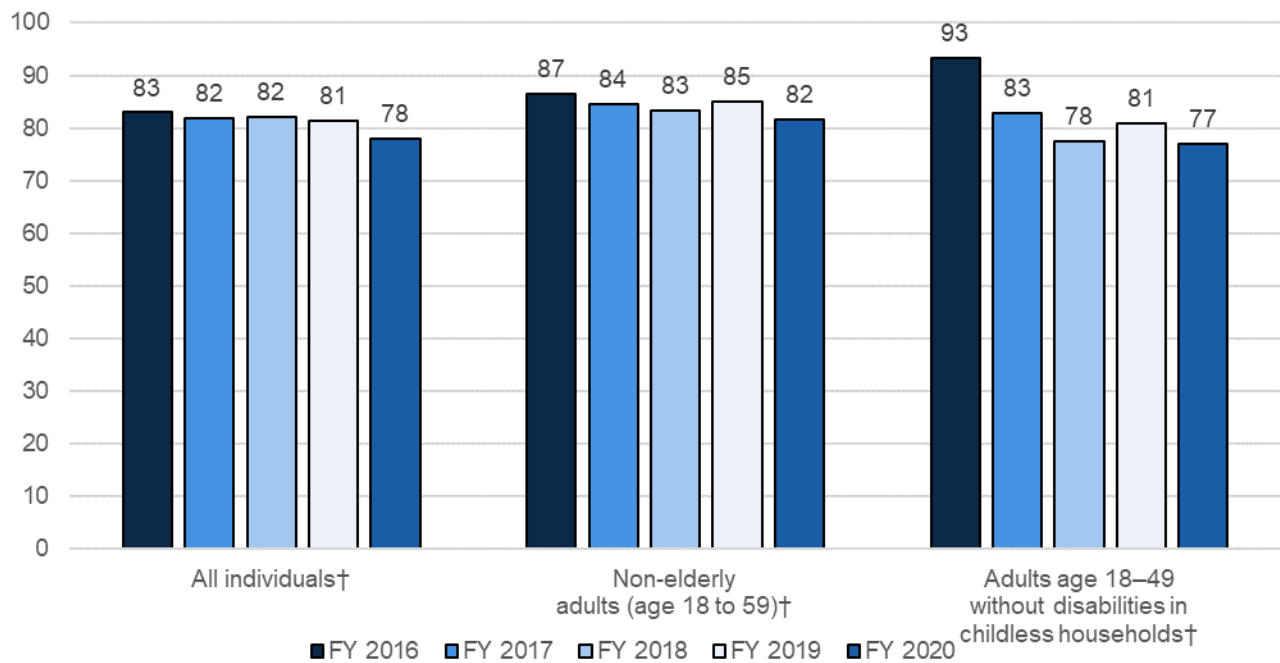
Note: FY 2020 findings are for the pre-pandemic period (October 2019 to February 2020).

† Indicates significance at the .10 level using a two-tailed t-test.

**Similar to the previous two subgroups, participation rates for adults age 18–49 without disabilities living in childless households and for non-elderly adults decreased from FY 2016 to pre-pandemic FY 2020 (Figure 6).** The higher-than-average participation rate for adults age 18–49 without disabilities living in childless households at the beginning of the period (93 percent) decreased sharply to a lower-than-average participation rate by FY 2018 (78 percent). It then increased slightly to the average participation rate in FY 2019 and decreased slightly to a lower-than-average rate by pre-pandemic FY 2020 (77 percent). The participation rate for non-elderly adults remained higher than average during the entire period and decreased from 87 percent in FY 2016 to 82 percent in pre-pandemic FY 2020, with a statistically significant decrease from 2019 to 2020. The decreases over the full period for these two subgroups were statistically significant.



**Figure 6. Participation rate for all individuals, non-elderly adults, and adults age 18–49 without disabilities living in childless households, FY 2016 to pre-pandemic FY 2020**



Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

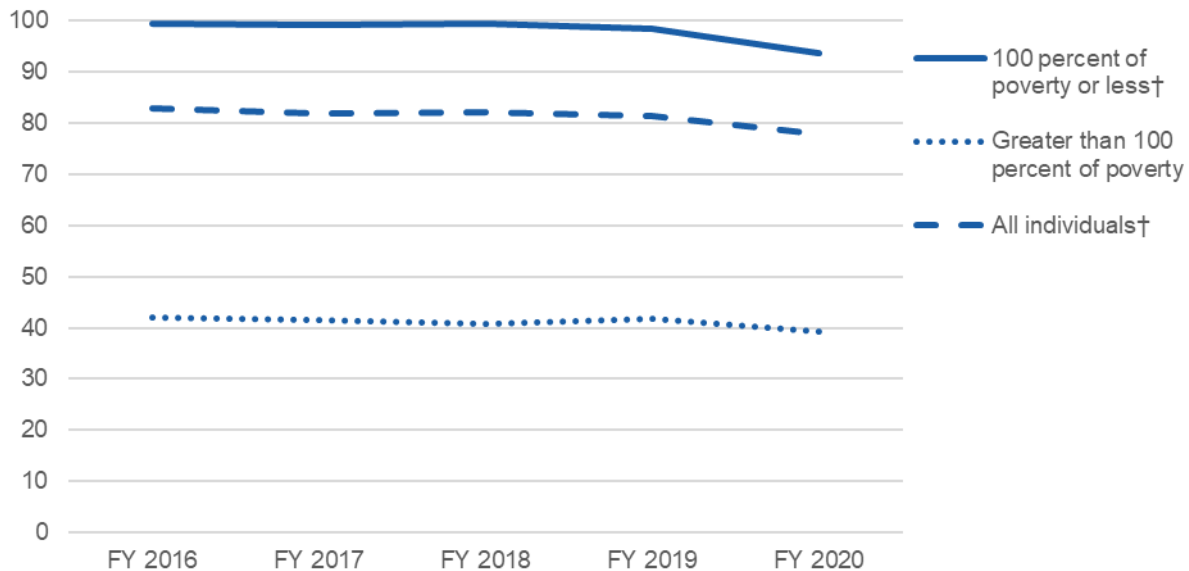
Note: FY 2020 findings are for the pre-pandemic period (October 2019 to February 2020).

† Indicates significance at the .10 level using a two-tailed t-test.

**The trend in the participation rates for individuals in households with incomes above and below 100 percent of poverty followed the trend for individuals overall (Figure 7).**

While a very large share of eligible individuals in households with income at 100 percent of poverty or less participated consistently between FY 2016 and FY 2019, this subgroup experienced a statistically significant decrease in its participation rate between FY 2019 and pre-pandemic FY 2020, similar to individuals overall, at 94 percent. The participation rate for individuals in households with income greater than 100 percent of the Federal poverty guidelines followed a similar trend with the participation rate ranging from 41 to 42 percent in a given year before decreasing to 39 percent in pre-pandemic FY 2020, the lowest participation rate in the full period. The decreases across the full period and between FY 2019 and pre-pandemic FY 2020 for this subgroup were not statistically significant.

**Figure 7. Change in the participation rate for all individuals, individuals in households with income at 100 percent of poverty or less, and individuals in households with income greater than 100 percent of poverty from FY 2016 to pre-pandemic FY 2020**



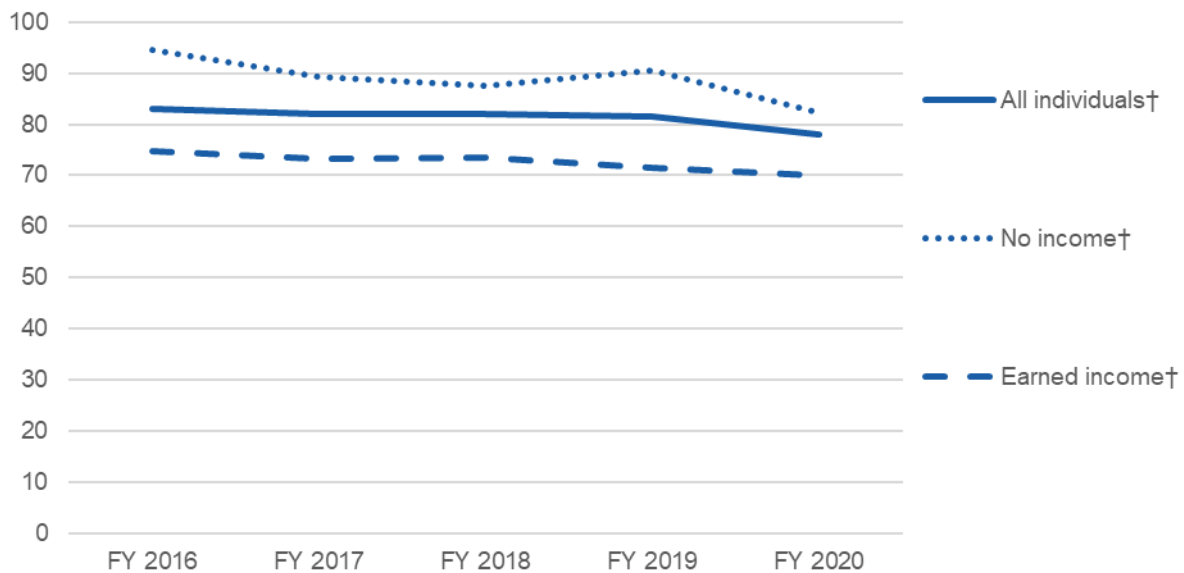
Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: FY 2020 findings are for the pre-pandemic period (October 2019 to February 2020).

† Indicates significance at the .10 level using a two-tailed t-test.

**Similar to the overall participation rate, the participation rate for individuals with no income and individuals with earned income decreased to the lowest rate in the time period by pre-pandemic FY 2020 (Figure 8).** The participation rate for individuals with no income underwent a statistically significant decrease from 95 percent in FY 2016 to 82 percent in pre-pandemic FY 2020. The 12-percentage point decrease over this period was statistically significant. The rate decreased by a statistically significant 8 percentage points between FY 2019 and pre-pandemic FY 2020, after experiencing a slight increase in FY 2019. The participation rate for individuals with earned income exhibited a statistically significant decrease of 5 percentage points over the period, after demonstrating a slight increase in FY 2018.

**Figure 8. Change in the participation rate for all individuals, individuals with no income, and individuals with earned income from FY 2016 to pre-pandemic FY 2020**



Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: FY 2020 findings are for the pre-pandemic period (October 2019 to February 2020).

† Indicates significance at the .10 level using a two-tailed t-test.

## ESTIMATED BENEFIT RECEIPT RATES IN PRE-PANDEMIC FY 2020

To calculate benefit receipt rates, we divided the benefits received by participating households by the potential benefits to the eligible households. We calculated prorated benefit receipt rates for individual-level characteristics in a similar manner, using individuals' prorated benefits (the household benefit divided by the number of people in the household). Given that individuals eligible for larger benefits tend to participate in SNAP at higher rates than those eligible for smaller benefits, prorated benefit receipt rates are higher than individual participation rates (Table 5).

Among age groups, elderly individuals had the lowest individual prorated benefit receipt rate (63 percent), although elderly individuals living alone had a much higher benefit receipt rate (87 percent) than those living with others (31 percent) (Table 5). In addition, households with elderly members and those with household incomes between 101 and 130 percent of the Federal poverty guidelines had among the lowest household benefit receipt rates (56 and 63 percent, respectively) (Table 6). Unlike households with higher incomes, those with no income received a higher benefit receipt rate of about 89 percent of the benefits for which they were eligible (Table 6).

Although the benefit receipt rates tend to be higher than household participation rates, this was not always the case during the pre-pandemic period in FY 2020. Households with TANF recipients and households with no income had benefit receipt rates (57 and 89 percent, respectively) that were lower than household participation rates (66 and 92 percent, respectively) (Table 6).

## METHODOLOGY

We estimated the number of eligible individuals with a microsimulation model, using two combined years of CPS ASEC data to simulate SNAP eligibility in an average month within the fiscal year. Because the CPS ASEC collects household income data for the previous calendar year, for the FY 2020 estimates we used data from the 2020 CPS ASEC to simulate October through December 2019 and data from the 2021 CPS ASEC to simulate January through February 2020. As recommended by the Census Bureau, we used the 2020 and 2021 CPS ASEC revised public use entropy balance weights, which account for survey nonresponse bias as a result of the COVID-19 pandemic.<sup>6</sup>

In the simulation procedure, we applied Federal SNAP eligibility policies to each household in the CPS ASEC. These policies included SNAP household formation rules, gross and net income thresholds, and resource limits. We also considered State-specific policies on vehicle assessment when determining household resources. We imputed some information that is unavailable in the CPS ASEC, such as citizenship status, net income amounts, and resource eligibility. We describe the methodology in more detail in Appendix D.

We estimated the number of eligible SNAP participants using SNAP QC data. We based the pre-pandemic FY 2020 participant estimates on the pre-pandemic FY 2020 SNAP QC data file, which includes data for October 2019 through February 2020. This file is an edited version of the raw data file generated by the SNAP Quality Control System and contains data on the demographic and economic characteristics of a sample of participating households.

We used the SNAP Statistical Summary of Operations (Program Operations) data to weight the SNAP QC data. The Program Operations data provide counts of individuals and households who were issued benefits and the total dollar value of benefits in each pre-pandemic month of the fiscal year. Before weighting, we adjusted the Program Operations data to exclude participants who are not represented in the SNAP QC data. This includes individuals who received benefits in error and individuals who received temporary disaster benefits in the wake of events such as hurricanes and floods that result in a Major Disaster Declaration with Individual Assistance. For pre-pandemic FY 2020, we removed about 903,000 individuals who received benefits in error, amounting to about 2.4 percent of all participants.

We also excluded 3.4 million categorically eligible participants from the official rates because they did not meet the Federal SNAP income or resource rules. Because limitations of the SNAP QC data prevent us from identifying participating households with resources above the Federal limits, we used a regression equation based on data from the Survey of Income and Program Participation (SIPP) to predict resource ineligibility. Finally, we removed households in Guam and the Virgin Islands because the CPS ASEC does not include them.

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<sup>6</sup> For more information about the development of the 2020 and 2021 CPS ASEC public use entropy balance weights, please see Rothbaum and Bee (2021).

**Table 1. Estimated individual and household participation rates, and benefit receipt rates, pre-pandemic FY 2020**

|                       | Participating<br>(000) | Eligible<br>(000) | Participation rate (percent) with<br>90 percent confidence interval |
|-----------------------|------------------------|-------------------|---------------------------------------------------------------------|
| Individuals           | 32,883                 | 42,182            | 78 +/- 1.2                                                          |
| SNAP households       | 16,740                 | 20,661            | 81 +/- 1.3                                                          |
| Benefits (in dollars) | 4,024,533              | *                 | * +/-                                                               |

Sources: FY 2020 SNAP Program Operations; FY 2020 SNAP Quality Control for October 2019 through February 2020; 2020 and 2021 Current Population Survey Annual Social and Economic Supplement data.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received temporary disaster benefits or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

**Table 2. Estimated SNAP individual participation rates, by characteristics, FY 2016 to pre-pandemic FY 2020**

|                                                                                  | Individual participation rate (percent) |         |         |         |                      |
|----------------------------------------------------------------------------------|-----------------------------------------|---------|---------|---------|----------------------|
|                                                                                  | FY 2016                                 | FY 2017 | FY 2018 | FY 2019 | Pre-pandemic FY 2020 |
| <b>All individuals</b>                                                           | 83                                      | 82      | 82      | 81      | 78                   |
| <b>Household size</b>                                                            |                                         |         |         |         |                      |
| Small (1 to 2 members)                                                           | 77                                      | 75      | 74      | 75      | 71                   |
| Medium (3 to 4 members)                                                          | 90                                      | 91      | 89      | 85      | 85                   |
| Large (5 or more members)                                                        | 84                                      | 84      | 90      | 94      | 83                   |
| <b>Age</b>                                                                       |                                         |         |         |         |                      |
| Children (age 17 or younger)                                                     | *                                       | *       | *       | *       | 97                   |
| Non-elderly adults (age 18–59 )                                                  | 87                                      | 84      | 83      | 85      | 82                   |
| Elderly individuals (age 60 or older)                                            | 44                                      | 46      | 48      | 48      | 47                   |
| Living alone                                                                     | 58                                      | 59      | 63      | 62      | 59                   |
| Not living alone                                                                 | 24                                      | 28      | 26      | 28      | 29                   |
| <b>Adults age 18–49 without disabilities in childless households<sup>a</sup></b> | 93                                      | 83      | 78      | 81      | 77                   |
| <b>Noncitizens<sup>b</sup></b>                                                   | 66                                      | 61      | 60      | 55      | 52                   |
| <b>Citizen children living with noncitizen adults<sup>c</sup></b>                | 80                                      | 74      | 72      | 63      | 64                   |
| <b>Household countable income source<sup>d</sup></b>                             |                                         |         |         |         |                      |
| Earned income                                                                    | 75                                      | 73      | 74      | 71      | 70                   |
| TANF                                                                             | 69                                      | 71      | 77      | 73      | 55                   |
| SSI benefits                                                                     | 83                                      | 82      | 87      | 84      | 81                   |
| Non-elderly                                                                      | 84                                      | 81      | 86      | 87      | 85                   |
| Elderly                                                                          | 72                                      | 77      | 81      | 72      | 69                   |
| Social Security                                                                  | 63                                      | 66      | 65      | 66      | 66                   |
| <b>Household countable income as a percentage of poverty guidelines</b>          |                                         |         |         |         |                      |
| 100 percent of poverty or less                                                   | 99                                      | 99      | 100     | 99      | 94                   |
| No income                                                                        | 95                                      | 89      | 87      | 91      | 82                   |
| 1 to 50 percent                                                                  | *                                       | *       | *       | *       | *                    |
| 51 to 100 percent                                                                | 93                                      | 93      | 95      | 94      | 93                   |
| Greater than 100 percent of Poverty                                              | 42                                      | 41      | 41      | 42      | 39                   |
| 101 to 130 percent                                                               | 49                                      | 48      | 46      | 47      | 44                   |
| 131 percent or more                                                              | 16                                      | 17      | 18      | 21      | 19                   |
| <b>Household benefit as a percentage of maximum benefit</b>                      |                                         |         |         |         |                      |
| Minimum benefit or less                                                          | 29                                      | 28      | 27      | 28      | 28                   |
| 1 to 50 percent                                                                  | 51                                      | 49      | 49      | 48      | 48                   |
| 51 to 99 percent                                                                 | *                                       | *       | *       | *       | *                    |
| Maximum (100 percent)                                                            | *                                       | *       | *       | *       | 98                   |

Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

<sup>b</sup> These estimates do not include noncitizens who are outside the SNAP household but reside in the same dwelling unit.

<sup>c</sup> These estimates include citizen children living in a household with a noncitizen adult, regardless of SNAP participation or eligibility of the adult.

<sup>d</sup> These income sources are not mutually exclusive.

**Table 3. Differences in estimated SNAP individual participation rates and 90 percent confidence intervals, by characteristics, FY 2016 to pre-pandemic FY 2020 and FY 2019 to pre-pandemic FY 2020**

|                                                                                  | Percentage point change<br>in participation rate |     |      |                                     |     |      |
|----------------------------------------------------------------------------------|--------------------------------------------------|-----|------|-------------------------------------|-----|------|
|                                                                                  | FY 2016 to pre-<br>pandemic FY 2020              |     |      | FY 2019 to pre-<br>pandemic FY 2020 |     |      |
| <b>All individuals</b>                                                           | -5.0                                             | +/- | 1.6† | -3.5                                | +/- | 0.9† |
| <b>Household size</b>                                                            |                                                  |     |      |                                     |     |      |
| Small (1 to 2 members)                                                           | -6.1                                             | +/- | 2.1† | -3.1                                | +/- | 1.4† |
| Medium (3 to 4 members)                                                          | -5.0                                             | +/- | 5.7  | 0.2                                 | +/- | 5.1  |
| Large (5 or more members)                                                        | -0.5                                             | +/- | 9.8  | -10.9                               | +/- | 9.5† |
| <b>Age</b>                                                                       |                                                  |     |      |                                     |     |      |
| Children (age 17 or younger)                                                     | *                                                |     |      | *                                   |     |      |
| Non-elderly adults (age 18-59)                                                   | -4.9                                             | +/- | 2.5† | -3.5                                | +/- | 1.7† |
| Elderly individuals (age 60 or older)                                            | 3.2                                              | +/- | 2.2† | -1.3                                | +/- | 1.9  |
| Living alone                                                                     | 0.5                                              | +/- | 3.2  | -3.3                                | +/- | 2.6† |
| Not living alone                                                                 | 4.7                                              | +/- | 3.9† | 1.1                                 | +/- | 3.7  |
| <b>Adults age 18-49 without disabilities in childless households<sup>a</sup></b> | -16.3                                            | +/- | 6.5† | -4.0                                | +/- | 5.6  |
| <b>Noncitizens<sup>b</sup></b>                                                   | -14.0                                            | +/- | 8.9† | -2.9                                | +/- | 8.1  |
| <b>Citizen children living with noncitizen adults<sup>c</sup></b>                | -16.3                                            | +/- | 8.8† | 0.8                                 | +/- | 7.7  |
| <b>Household countable income source<sup>d</sup></b>                             |                                                  |     |      |                                     |     |      |
| Earned income                                                                    | -4.8                                             | +/- | 3.3† | -1.6                                | +/- | 2.7  |
| TANF                                                                             | -14.6                                            | +/- | 9.2† | -18.3                               | +/- | 8.9† |
| SSI benefits                                                                     | -2.1                                             | +/- | 5.2  | -3.1                                | +/- | 4.5  |
| Non-elderly                                                                      | 0.6                                              | +/- | 7.0  | -2.7                                | +/- | 6.3  |
| Elderly                                                                          | -3.0                                             | +/- | 6.7  | -2.8                                | +/- | 5.7  |
| Social Security                                                                  | 3.5                                              | +/- | 3.6  | 0.1                                 | +/- | 3.2  |
| <b>Household countable income as a percentage of poverty guidelines</b>          |                                                  |     |      |                                     |     |      |
| 100 percent of poverty or less                                                   | -5.7                                             | +/- | 2.5† | -4.9                                | +/- | 1.7† |
| No income                                                                        | -12.4                                            | +/- | 6.4† | -8.4                                | +/- | 5.5† |
| 1 to 50 percent                                                                  | *                                                |     |      | *                                   |     |      |
| 51 to 100 percent                                                                | -0.7                                             | +/- | 4.6  | -1.7                                | +/- | 3.8  |
| Greater than 100 percent of poverty                                              | -2.7                                             | +/- | 2.8  | -2.6                                | +/- | 2.7  |
| 101 to 130 percent                                                               | -4.3                                             | +/- | 3.5† | -2.8                                | +/- | 3.3  |
| 131 percent or more                                                              | 2.7                                              | +/- | 3.8  | -1.5                                | +/- | 3.9  |
| <b>Household benefit as a percentage of maximum benefit</b>                      |                                                  |     |      |                                     |     |      |
| Minimum benefit or less                                                          | -1.5                                             | +/- | 2.6  | -0.5                                | +/- | 2.3  |
| 1 to 50 percent                                                                  | -3.2                                             | +/- | 2.3† | -0.2                                | +/- | 1.9  |
| 51 to 99 percent                                                                 | *                                                |     |      | *                                   |     |      |
| Maximum (100 percent)                                                            | *                                                |     |      | *                                   |     |      |

Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D of the report for more information.

† Indicates significance at the .10 level using a two-tailed t-test.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

<sup>b</sup> These estimates do not include noncitizens who are outside the SNAP household but reside in the same dwelling unit.

<sup>c</sup> These estimates include citizen children living in a household with a noncitizen adult, regardless of SNAP participation or eligibility of the adult.

<sup>d</sup> These income sources are not mutually exclusive.

**Table 4. Estimated number of eligible and participating individuals and households, benefits, and participation rates, FY 2016 to pre-pandemic FY 2020**

|                                            | FY 2016   | FY 2017   | FY 2018   | FY 2019   | Pre-pandemic<br>FY 2020 |
|--------------------------------------------|-----------|-----------|-----------|-----------|-------------------------|
| <b>Participating individuals</b>           |           |           |           |           |                         |
| Total (000)                                | 39,909    | 37,808    | 35,987    | 33,869    | 32,883                  |
| Percent change                             | n.a       | -5.3      | -4.8      | -5.9      | -2.9                    |
| Cumulative percent change                  | n.a       | -5.3      | -9.8      | -15.1     | -17.6                   |
| <b>Eligible individuals</b>                |           |           |           |           |                         |
| Total (000)                                | 48,101    | 46,152    | 43,862    | 41,576    | 42,182                  |
| Percent change                             | n.a       | -4.1      | -5.0      | -5.2      | 1.5                     |
| Cumulative percent change                  | n.a       | -4.1      | -8.8      | -13.6     | -12.3                   |
| <b>Households (000)</b>                    |           |           |           |           |                         |
| Participating                              | 19,559    | 18,605    | 17,823    | 16,955    | 16,740                  |
| Eligible                                   | 22,767    | 22,145    | 21,362    | 20,237    | 20,661                  |
| <b>Benefits (000)</b>                      |           |           |           |           |                         |
| Benefits received by participants          | 5,072,046 | 4,779,372 | 4,446,024 | 4,153,405 | 4,024,533               |
| Potential benefits to eligible individuals | *         | *         | *         | *         | *                       |
| <b>Participation rate (percent)</b>        |           |           |           |           |                         |
| Individual rate                            | 83.0      | 81.9      | 82.0      | 81.5      | 78.0                    |
| Household rate                             | 85.9      | 84.0      | 83.4      | 83.8      | 81.0                    |
| <b>Benefit receipt rate (percent)</b>      | *         | *         | *         | *         | *                       |

Sources: SNAP Program Operations data; SNAP Quality Control data; Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received temporary disaster benefits or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

n.a. = not applicable.



**Table 5. Estimated participation rates and benefit receipt rates, by individual-level demographic characteristics, pre-pandemic FY 2020**

| Demographic characteristic                                        | Individual participation rate (percent) | Pro-rated benefit receipt rate (percent) |
|-------------------------------------------------------------------|-----------------------------------------|------------------------------------------|
| <b>Age</b>                                                        |                                         |                                          |
| Children (age 17 or younger)                                      | 97                                      | *                                        |
| Non-elderly adults (age 18–59 )                                   | 82                                      | *                                        |
| Elderly individuals (age 60 or older)                             | 47                                      | 63                                       |
| Living alone                                                      | 59                                      | 87                                       |
| Not living alone                                                  | 29                                      | 31                                       |
| <b>Noncitizens<sup>a</sup></b>                                    | 52                                      | 65                                       |
| <b>Citizen children living with noncitizen adults<sup>b</sup></b> | 64                                      | 79                                       |
| <b>Employment status of non-elderly adults</b>                    |                                         |                                          |
| Employed                                                          | 69                                      | 93                                       |
| Not employed                                                      | 88                                      | *                                        |

Sources: FY 2020 SNAP Program Operations; FY 2020 SNAP Quality Control for October 2019 through February 2020; 2020 and 2021 Current Population Survey Annual Social and Economic Supplement data.

Note: An individual's prorated benefits are calculated by dividing the household benefit by the number of people in the household. Benefit receipt rates by individual-level characteristics are calculated by summing the prorated benefits of individuals with the selected characteristic.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> These estimates do not include noncitizens who are outside the SNAP household but reside in the same dwelling unit.

<sup>b</sup> These estimates include citizen children living in a household with a noncitizen adult, regardless of SNAP participation or eligibility of the adult.

**Table 6. Estimated participation rates and benefit receipt rates, by household-level demographic and economic characteristics, pre-pandemic FY 2020**

| Household characteristic                                      | Household participation rate (percent) | Benefit receipt rate (percent) |
|---------------------------------------------------------------|----------------------------------------|--------------------------------|
| <b>All households</b>                                         | 81                                     | *                              |
| <b>Households containing:</b>                                 |                                        |                                |
| Children (age 17 or younger)                                  | *                                      | *                              |
| Elderly individuals (age 60 or older)                         | 50                                     | 56                             |
| Non-elderly adults with disabilities (age 18–59)              | 95                                     | 96                             |
| <b>Countable income source<sup>a</sup></b>                    |                                        |                                |
| Earned income                                                 | 71                                     | *                              |
| TANF                                                          | 66                                     | 57                             |
| SSI                                                           | 91                                     | *                              |
| Social Security                                               | 69                                     | 95                             |
| <b>Countable income as a percentage of poverty guidelines</b> |                                        |                                |
| No income                                                     | 92                                     | 89                             |
| 1 to 50 percent                                               | *                                      | *                              |
| 51 to 100 percent                                             | 95                                     | *                              |
| 101 to 130 percent                                            | 41                                     | 63                             |

Sources: FY 2020 SNAP Program Operations; FY 2020 SNAP Quality Control for October 2019 through February 2020; 2020 and 2021 Current Population Survey Annual Social and Economic Supplement data.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> These income sources are not mutually exclusive.

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## **APPENDIX A**

### **DETAILED PARTICIPATION RATE ESTIMATES FOR PRE-PANDEMIC FY 2020**



**Table A.1. Estimated individual and household participation rates and benefit receipt rates, pre-pandemic FY 2020**

|                 | Participating<br>(QC) | Eligible<br>(CPS) | Participation<br>rate<br>(QC/CPS) |
|-----------------|-----------------------|-------------------|-----------------------------------|
| Individuals     | 32,882,855            | 42,181,733        | 78.0                              |
| SNAP households | 16,739,775            | 20,661,026        | 81.0                              |
| Benefits        | 4,024,532,989         | *                 | *                                 |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

CPS = Current Population Survey; QC = SNAP Quality Control.

**Table A.2. Estimated individual participation rates, by household size, pre-pandemic FY 2020**

|                               | Participating<br>(QC) | Eligible<br>(CPS) | Participation<br>rate<br>(QC/CPS) |
|-------------------------------|-----------------------|-------------------|-----------------------------------|
| Individuals by household size |                       |                   |                                   |
| 1 person                      | 9,473,616             | 11,276,831        | 84.0                              |
| 2 people                      | 5,424,268             | 9,601,994         | 56.5                              |
| 3 people                      | 6,223,433             | 7,372,864         | 84.4                              |
| 4 people                      | 5,384,091             | 6,285,199         | 85.7                              |
| 5 people                      | 3,378,484             | 4,329,090         | 78.0                              |
| 6 or more people              | 2,998,963             | 3,315,755         | 90.4                              |
| Individuals in all households | 32,882,855            | 42,181,733        | 78.0                              |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

**Table A.3. Estimated individual participation rates, by demographic characteristics, pre-pandemic FY 2020**

| Demographic characteristic                                                       | Participating (QC) | Eligible (CPS) | Participation rate (QC/CPS) |
|----------------------------------------------------------------------------------|--------------------|----------------|-----------------------------|
| <b>All individuals</b>                                                           | 32,882,855         | 42,181,733     | 78.0                        |
| <b>Age</b>                                                                       |                    |                |                             |
| Children (age 17 or younger)                                                     | 14,011,918         | 14,411,127     | 97.2                        |
| Preschool age (age 0–4)                                                          | 4,094,464          | 4,170,573      | 98.2                        |
| School age (age 5–17)                                                            | 9,917,453          | 10,240,554     | 96.8                        |
| Non-elderly adults (age 18–59)                                                   | 13,752,341         | 16,849,083     | 81.6                        |
| Elderly individuals (age 60 or older)                                            | 5,118,596          | 10,921,523     | 46.9                        |
| Living alone                                                                     | 3,851,765          | 6,556,413      | 58.7                        |
| Not living alone                                                                 | 1,266,831          | 4,365,109      | 29.0                        |
| <b>Adults age 18–49 without disabilities in childless households<sup>a</sup></b> | 2,323,646          | 3,016,568      | 77.0                        |
| <b>Noncitizens<sup>b</sup></b>                                                   | 1,147,253          | 2,220,280      | 51.7                        |
| <b>Citizen children living with noncitizen adults<sup>c</sup></b>                | 2,248,359          | 3,528,444      | 63.7                        |
| <b>Employment status of non-elderly adults</b>                                   |                    |                |                             |
| Employed                                                                         | 3,716,475          | 5,423,827      | 68.5                        |
| Not employed                                                                     | 10,034,181         | 11,425,256     | 87.8                        |
| <b>Individuals by household composition</b>                                      |                    |                |                             |
| Living with children                                                             | 21,487,681         | 23,844,122     | 90.1                        |
| Single-adult household                                                           | 12,532,806         | *              | *                           |
| Married-head household                                                           | 4,405,731          | 8,010,066      | 55.0                        |
| Other households                                                                 | 4,549,144          | 5,180,479      | 87.8                        |
| Not living with children                                                         | 11,395,174         | 18,337,611     | 62.1                        |
| <b>Gender</b>                                                                    |                    |                |                             |
| Male                                                                             | 14,080,765         | 18,502,750     | 76.1                        |
| Female                                                                           | 18,802,090         | 23,678,983     | 79.4                        |
| <b>Metropolitan status</b>                                                       |                    |                |                             |
| Urban                                                                            | 27,336,833         | 34,794,680     | 78.6                        |
| Rural                                                                            | 5,546,022          | 7,387,053      | 75.1                        |

Sources: SNAP Program Operations; SNAP Quality Control; and Current Population Survey Annual Social and Economic Supplement data.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

<sup>b</sup> These estimates do not include noncitizens who are outside the SNAP household but reside in the same dwelling unit.

<sup>c</sup> These estimates include citizen children living in a household with a noncitizen adult, regardless of SNAP participation or eligibility of the adult.



**Table A.4. Estimated individual participation rates, by economic characteristics of households, pre-pandemic FY 2020**

| Economic characteristic                                                 | Participating (QC) | Eligible (CPS) | Participation rate (QC/CPS) |
|-------------------------------------------------------------------------|--------------------|----------------|-----------------------------|
| <b>All individuals</b>                                                  | 32,882,855         | 42,181,733     | 78.0                        |
| <b>Household countable income sources<sup>a</sup></b>                   |                    |                |                             |
| No income                                                               | 5,123,392          | 6,230,528      | 82.2                        |
| No earned income                                                        | 20,100,529         | 23,890,866     | 84.1                        |
| Earned income                                                           | 12,782,326         | 18,290,867     | 69.9                        |
| TANF                                                                    | 1,856,061          | 3,404,395      | 54.5                        |
| Earned income                                                           | 515,460            | 1,228,499      | 42.0                        |
| No earned income                                                        | 1,340,601          | 2,175,895      | 61.6                        |
| No TANF                                                                 | 31,026,794         | 38,777,339     | 80.0                        |
| Earned income                                                           | 12,266,866         | 17,062,368     | 71.9                        |
| No earned income                                                        | 18,759,928         | 21,714,970     | 86.4                        |
| Social Security                                                         | 7,466,313          | 11,259,443     | 66.3                        |
| <b>Household countable income as a percentage of poverty guidelines</b> |                    |                |                             |
| 100 percent of poverty or less                                          | 28,076,999         | 29,958,720     | 93.7                        |
| No income                                                               | 5,123,392          | 6,230,528      | 82.2                        |
| 1 to 50 percent                                                         | 7,978,504          | *              | *                           |
| 51 to 100 percent                                                       | 14,975,103         | 16,151,374     | 92.7                        |
| Greater than 100 percent of poverty                                     | 4,805,856          | 12,223,014     | 39.3                        |
| 101 to 130 percent                                                      | 4,339,797          | 9,794,447      | 44.3                        |
| 131 percent or more                                                     | 466,059            | 2,428,567      | 19.2                        |
| <b>Household monthly SNAP benefit</b>                                   |                    |                |                             |
| Minimum benefit or less                                                 | 1,502,050          | 5,445,298      | 27.6                        |
| Greater than the minimum to \$150                                       | 5,171,307          | 8,779,028      | 58.9                        |
| \$151 to \$300                                                          | 9,661,006          | 10,555,366     | 91.5                        |
| \$301 to \$450                                                          | 6,396,063          | 7,598,495      | 84.2                        |
| \$451 to \$600                                                          | 4,992,595          | *              | *                           |
| \$601 or more                                                           | 5,159,835          | *              | *                           |
| <b>Benefit as a percentage of maximum benefit</b>                       |                    |                |                             |
| Low benefits (1 to 50 percent)                                          | 9,216,490          | 19,313,867     | 47.7                        |
| 1 to 25 percent                                                         | 3,817,017          | 11,061,807     | 34.5                        |
| 26 to 50 percent                                                        | 5,399,472          | 8,252,060      | 65.4                        |
| High benefits (51 to 99 percent)                                        | 12,735,560         | *              | *                           |
| 51 to 75 percent                                                        | 6,426,082          | 6,676,891      | 96.2                        |
| 76 to 99 percent                                                        | 6,309,478          | *              | *                           |
| Maximum (100 percent)                                                   | 10,930,805         | 11,209,828     | 97.5                        |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> These income sources are not mutually exclusive.

TANF = Temporary Assistance to Needy Families.

**Table A.5A. Estimated individual participation rates for individuals living with children, pre-pandemic FY 2020**

| Demographic or economic characteristic                                  | Participating (QC) | Eligible (CPS) | Participation rate (QC/CPS) |
|-------------------------------------------------------------------------|--------------------|----------------|-----------------------------|
| <b>Individuals living with children</b>                                 | 21,487,681         | 23,844,122     | 90.1                        |
| <b>Age</b>                                                              |                    |                |                             |
| Children (age 17 or younger)                                            | 14,011,918         | 14,411,127     | 97.2                        |
| Non-elderly adults (age 18–59 )                                         | 7,301,541          | 8,769,026      | 83.3                        |
| Elderly individuals (age 60 or older)                                   | 174,223            | 663,969        | 26.2                        |
| <b>Household countable income source<sup>a</sup></b>                    |                    |                |                             |
| No income                                                               | 2,879,997          | 3,485,422      | 82.6                        |
| No earned income                                                        | 10,020,679         | *              | *                           |
| Earned income                                                           | 11,467,003         | 14,544,661     | 78.8                        |
| TANF                                                                    | 1,834,422          | 3,391,462      | 54.1                        |
| Earned income                                                           | 514,766            | 1,221,633      | 42.1                        |
| No earned income                                                        | 1,319,656          | 2,169,828      | 60.8                        |
| No TANF                                                                 | 19,653,259         | 20,452,660     | 96.1                        |
| Earned income                                                           | 10,952,236         | 13,323,027     | 82.2                        |
| No earned income                                                        | 8,701,023          | *              | *                           |
| Social Security                                                         | 2,298,195          | 2,300,933      | 99.9                        |
| <b>Household countable income as a percentage of poverty guidelines</b> |                    |                |                             |
| 100 percent of poverty or less                                          | 18,455,179         | *              | *                           |
| No income                                                               | 2,879,997          | 3,485,422      | 82.6                        |
| 1 to 50 percent                                                         | 6,866,111          | *              | *                           |
| 51 to 100 percent                                                       | 8,709,071          | *              | *                           |
| Greater than 100 percent of poverty                                     | 3,032,502          | 6,414,128      | 47.3                        |
| 101 to 130 percent                                                      | 2,941,205          | 5,686,399      | 51.7                        |
| 131 percent or more                                                     | 91,297             | 727,730        | 12.5                        |
| <b>Household earned income as a percentage of poverty guidelines</b>    |                    |                |                             |
| 100 percent of poverty or less                                          | 19,609,282         | *              | *                           |
| No earnings                                                             | 10,037,295         | *              | *                           |
| 1 to 50 percent                                                         | 3,680,148          | *              | *                           |
| 51 to 100 percent                                                       | 5,891,838          | 6,931,715      | 85.0                        |
| Greater than 100 percent of poverty                                     | 1,878,399          | 4,995,898      | 37.6                        |
| 101 to 130 percent                                                      | 1,865,304          | 4,590,927      | 40.6                        |
| 131 percent or more                                                     | 13,095             | 404,971        | 3.2                         |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> These income sources are not mutually exclusive.

**Table A.5B. Estimated individual participation rates for individuals not living with children, pre-pandemic FY 2020**

| Demographic or economic characteristic                                  | Participating (QC) | Eligible (CPS) | Participation rate (QC/CPS) |
|-------------------------------------------------------------------------|--------------------|----------------|-----------------------------|
| <b>Individuals not living with children</b>                             | 11,395,174         | 18,337,611     | 62.1                        |
| <b>Age</b>                                                              |                    |                |                             |
| Children (age 17 or younger)                                            | 0                  | 0              | 0.0                         |
| Non-elderly adults (age 18–59 )                                         | 6,450,800          | 8,080,057      | 79.8                        |
| Elderly individuals (age 60 or older)                                   | 4,944,373          | 10,257,554     | 48.2                        |
| <b>Household countable income source<sup>a</sup></b>                    |                    |                |                             |
| No income                                                               | 2,243,395          | 2,745,106      | 81.7                        |
| No earned income                                                        | 10,079,851         | 14,591,404     | 69.1                        |
| Earned income                                                           | 1,315,323          | 3,746,207      | 35.1                        |
| TANF                                                                    | 21,639             | *              | *                           |
| Earned income                                                           | 693                | 6,866          | 10.1                        |
| No earned income                                                        | 20,946             | *              | *                           |
| No TANF                                                                 | 11,373,535         | 18,324,678     | 62.1                        |
| Earned income                                                           | 1,314,630          | 3,739,341      | 35.2                        |
| No earned income                                                        | 10,058,905         | 14,585,337     | 69.0                        |
| Social Security                                                         | 5,168,118          | 8,958,510      | 57.7                        |
| <b>Household countable income as a percentage of poverty guidelines</b> |                    |                |                             |
| 100 percent of poverty or less                                          | 9,621,820          | 12,528,726     | 76.8                        |
| No income                                                               | 2,243,395          | 2,745,106      | 81.7                        |
| 1 to 50 percent                                                         | 1,112,393          | 1,705,705      | 65.2                        |
| 51 to 100 percent                                                       | 6,266,032          | 8,077,914      | 77.6                        |
| Greater than 100 percent of poverty                                     | 1,773,354          | 5,808,885      | 30.5                        |
| 101 to 130 percent                                                      | 1,398,592          | 4,108,048      | 34.0                        |
| 131 percent or more                                                     | 374,762            | 1,700,837      | 22.0                        |
| <b>Household earned income as a percentage of poverty guidelines</b>    |                    |                |                             |
| 100 percent of poverty or less                                          | 11,191,643         | 16,829,953     | 66.5                        |
| No earnings                                                             | 10,079,851         | 14,591,404     | 69.1                        |
| 1 to 50 percent                                                         | 630,209            | 697,202        | 90.4                        |
| 51 to 100 percent                                                       | 481,583            | 1,541,347      | 31.2                        |
| Greater than 100 percent of poverty                                     | 203,531            | 1,507,658      | 13.5                        |
| 101 to 130 percent                                                      | 180,551            | 1,100,185      | 16.4                        |
| 131 percent or more                                                     | 22,980             | 407,473        | 5.6                         |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

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<sup>a</sup> These income sources are not mutually exclusive.

**Table A.6. Estimated household participation rates, pre-pandemic FY 2020**

| Household characteristic                                                | Participating (QC) | Eligible (CPS) | Participation rate (QC/CPS) |
|-------------------------------------------------------------------------|--------------------|----------------|-----------------------------|
| <b>Household composition</b>                                            |                    |                |                             |
| Children (age 17 or younger)                                            | 6,448,663          | *              | *                           |
| Single-adult                                                            | 4,124,477          | *              | *                           |
| Married-head                                                            | 958,548            | 1,724,746      | 55.6                        |
| Other                                                                   | 1,365,638          | 1,435,928      | 95.1                        |
| No children                                                             | 10,291,113         | 14,223,369     | 72.4                        |
| <b>Households containing:</b>                                           |                    |                |                             |
| Elderly individuals                                                     | 4,642,724          | 9,337,722      | 49.7                        |
| Non-elderly adults with disabilities                                    | 3,882,232          | 4,082,848      | 95.1                        |
| Adults age 18–49 without disabilities and no children <sup>a</sup>      | 2,187,588          | 2,469,192      | 88.6                        |
| Noncitizens <sup>b</sup>                                                | 820,338            | 1,571,347      | 52.2                        |
| <b>Household countable income source<sup>c</sup></b>                    |                    |                |                             |
| Earned income                                                           | 4,352,774          | 6,129,626      | 71.0                        |
| TANF                                                                    | 594,257            | 897,935        | 66.2                        |
| SSI                                                                     | 4,636,008          | 5,073,447      | 91.4                        |
| Social Security                                                         | 5,224,632          | 7,541,400      | 69.3                        |
| <b>Household countable income as a percentage of poverty guidelines</b> |                    |                |                             |
| No income                                                               | 3,134,508          | 3,398,091      | 92.2                        |
| 1 to 50 percent                                                         | 3,030,531          | *              | *                           |
| 51 to 100 percent                                                       | 8,173,316          | 8,563,127      | 95.4                        |
| 101 percent or more                                                     | 2,401,421          | 5,876,909      | 40.9                        |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

<sup>b</sup> These estimates do not include noncitizens who are outside the SNAP household but reside in the same dwelling unit.

<sup>c</sup> These income sources are not mutually exclusive.

**Table A.7. Estimated benefit receipt rates, by household-level demographic and economic characteristics, pre-pandemic FY 2020**

| Household characteristic                                      | Benefits received by participating households (QC) | Potential benefits to eligible households (CPS) | Benefit receipt rate (percent) |
|---------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------|--------------------------------|
| <b>All benefits</b>                                           | 4,024,532,989                                      | *                                               | *                              |
| <b>Household composition</b>                                  |                                                    |                                                 |                                |
| Children (age 17 or younger)                                  | 2,571,428,028                                      | *                                               | *                              |
| Single-adult                                                  | 1,587,379,165                                      | *                                               | *                              |
| Married-head                                                  | 440,502,642                                        | 657,838,949                                     | 67.0                           |
| Other                                                         | 543,546,221                                        | *                                               | *                              |
| No children                                                   | 1,453,104,960                                      | 1,626,850,316                                   | 89.3                           |
| <b>Households containing:</b>                                 |                                                    |                                                 |                                |
| Elderly individuals                                           | 584,601,960                                        | 1,038,844,530                                   | 56.3                           |
| Non-elderly adults with disabilities                          | 713,004,111                                        | 742,408,490                                     | 96.0                           |
| <b>Countable income source<sup>a</sup></b>                    |                                                    |                                                 |                                |
| No earned income                                              | 2,670,188,262                                      | *                                               | *                              |
| Earned income                                                 | 1,354,344,727                                      | *                                               | *                              |
| TANF                                                          | 222,128,224                                        | 392,798,378                                     | 56.6                           |
| SSI                                                           | 804,856,395                                        | *                                               | *                              |
| Social Security                                               | 708,372,489                                        | 748,332,881                                     | 94.7                           |
| <b>Countable income as a percentage of poverty guidelines</b> |                                                    |                                                 |                                |
| No income                                                     | 917,533,175                                        | 1,035,410,906                                   | 88.6                           |
| 1 to 50 percent                                               | 1,248,847,515                                      | *                                               | *                              |
| 51 to 100 percent                                             | 1,593,593,549                                      | *                                               | *                              |
| 101 to 130 percent                                            | 242,146,814                                        | 385,390,152                                     | 62.8                           |
| 131 percent or more                                           | 22,411,936                                         | 45,520,160                                      | 49.2                           |
| <b>Monthly SNAP benefit</b>                                   |                                                    |                                                 |                                |
| Minimum benefit or less                                       | 21,355,370                                         | 74,522,630                                      | 28.7                           |
| Greater than the minimum to \$150                             | 354,775,936                                        | 426,929,269                                     | 83.1                           |
| \$151 to \$300                                                | 1,330,679,859                                      | *                                               | *                              |
| \$301 to \$450                                                | 844,049,285                                        | 941,394,087                                     | 89.7                           |
| \$451 to \$600                                                | 722,996,964                                        | *                                               | *                              |
| \$601 or more                                                 | 750,675,574                                        | *                                               | *                              |
| <b>Benefits as a percentage of maximum benefit</b>            |                                                    |                                                 |                                |
| 1 to 25 percent                                               | 90,301,000                                         | 219,049,172                                     | 41.2                           |
| 26 to 50 percent                                              | 356,781,107                                        | 498,697,928                                     | 71.5                           |
| 51 to 75 percent                                              | 692,328,215                                        | *                                               | *                              |
| 76 to 99 percent                                              | 945,141,170                                        | *                                               | *                              |
| Maximum (100 percent)                                         | 1,939,981,497                                      | *                                               | *                              |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data.

Note: The benefit totals are monthly averages. The benefit totals in this table exclude participants who received disaster assistance, replacement benefits, or who were ineligible for SNAP. The potential benefit totals exclude those ineligible for SNAP under Federal SNAP income or resource rules and some categorically eligible participants who did not meet the Federal SNAP income or resource rules. Total potential benefits to eligible households in this table do not exactly match prorated potential benefits to eligible individuals in Table A.8 because of differences between household weights and the sum of individual weights in the Current Population Survey Annual Social and Economic Supplement.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> These income sources are not mutually exclusive.

**Table A.8. Estimated benefit receipt rates, by individual-level demographic characteristics, pre-pandemic FY 2020**

| Demographic characteristic                                                       | Prorated benefits received by participating individuals (QC) | Prorated potential benefits to eligible individuals (CPS) | Benefit receipt rate (percent) |
|----------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------|--------------------------------|
| <b>All benefits</b>                                                              | 4,024,532,989                                                | 4,178,275,866                                             | 96.3                           |
| <b>Age</b>                                                                       |                                                              |                                                           |                                |
| Children (age 17 or younger)                                                     | 1,687,728,887                                                | *                                                         | *                              |
| Preschool age (age 0–4)                                                          | 526,801,822                                                  | *                                                         | *                              |
| School age (age 5–17)                                                            | 1,160,927,065                                                | *                                                         | *                              |
| Non-elderly adults (age 18–59 )                                                  | 1,801,997,159                                                | *                                                         | *                              |
| Elderly individuals (age 60 or older)                                            | 534,806,943                                                  | 842,766,444                                               | 63.5                           |
| Living alone                                                                     | 426,854,825                                                  | 489,390,010                                               | 87.2                           |
| Not living alone                                                                 | 107,952,118                                                  | 353,376,435                                               | 30.5                           |
| <b>Adults age 18–49 without disabilities in childless households<sup>a</sup></b> | 399,949,037                                                  | *                                                         | *                              |
| <b>Noncitizens<sup>b</sup></b>                                                   | 144,559,428                                                  | 221,224,704                                               | 65.3                           |
| <b>Citizen children living with noncitizen adults<sup>c</sup></b>                | 284,543,148                                                  | 361,768,543                                               | 78.7                           |
| <b>Gender</b>                                                                    |                                                              |                                                           |                                |
| Male                                                                             | 1,740,893,732                                                | 1,831,700,819                                             | 95.0                           |
| Female                                                                           | 2,283,639,257                                                | 2,346,575,047                                             | 97.3                           |
| <b>Employment status of non-elderly adults</b>                                   |                                                              |                                                           |                                |
| Employed                                                                         | 409,616,682                                                  | 439,025,121                                               | 93.3                           |
| Not employed                                                                     | 1,392,063,634                                                | *                                                         | *                              |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data.

Note: The prorated benefit totals are monthly averages. The benefit totals in this table exclude participants who received disaster assistance, replacement benefits, or who were ineligible for SNAP. The potential benefit totals exclude those ineligible for SNAP under Federal SNAP income or resource rules and some categorically eligible participants who did not meet the Federal SNAP income or resource rules. An individual's prorated benefits are calculated by dividing the household benefit by the number of people in the household. Benefit receipt rates by individual-level characteristics are calculated by summing the prorated benefits of individuals with the selected characteristic. Prorated potential benefits to eligible individuals in this table do not exactly match potential benefits to eligible households in Table A.7 because of differences between household weights and the sum of individual weights in the Current Population Survey Annual Social and Economic Supplement.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

<sup>b</sup> These estimates do not include noncitizens who are outside the SNAP household but reside in the same dwelling unit.

<sup>c</sup> These estimates include citizen children living in a household with a noncitizen adult, regardless of SNAP participation or eligibility of the adult.

## **APPENDIX B**

### **PARTICIPATION RATE ESTIMATES FOR FY 2016 TO PRE-PANDEMIC FY 2020**





**Table B.1. Estimated individual and household participation rates and benefit receipt rates, FY 2016 to pre-pandemic 2020**

|                        | Participating<br>(QC) | Eligible<br>(CPS) | Participation rate<br>(QC/CPS) |
|------------------------|-----------------------|-------------------|--------------------------------|
| <b>Individuals</b>     |                       |                   |                                |
| FY 2016                | 39,908,521            | 48,101,113        | 83                             |
| FY 2017                | 37,807,973            | 46,151,754        | 82                             |
| FY 2018                | 35,987,131            | 43,862,367        | 82                             |
| FY 2019                | 33,868,730            | 41,576,027        | 81                             |
| FY 2020                | 32,882,855            | 42,181,733        | 78                             |
| <b>SNAP households</b> |                       |                   |                                |
| FY 2016                | 19,559,437            | 22,767,367        | 86                             |
| FY 2017                | 18,605,274            | 22,144,691        | 84                             |
| FY 2018                | 17,823,266            | 21,362,119        | 83                             |
| FY 2019                | 16,954,628            | 20,236,756        | 84                             |
| FY 2020                | 16,739,775            | 20,661,026        | 81                             |
| <b>Benefits</b>        |                       |                   |                                |
| FY 2016                | 5,072,045,721         | *                 | *                              |
| FY 2017                | 4,779,372,438         | *                 | *                              |
| FY 2018                | 4,446,024,409         | *                 | *                              |
| FY 2019                | 4,153,405,483         | *                 | *                              |
| FY 2020                | 4,024,532,989         | *                 | *                              |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: Participating and eligible totals are monthly averages. The participant totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. The eligible totals include only those eligible for SNAP under Federal income or resource rules.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

**Table B.2. Estimated individual participation rates, by household size, FY 2016 to pre-pandemic FY 2020**

|                                      | Individual participation rate (percent) |         |         |         | Pre-pandemic<br>FY 2020 |
|--------------------------------------|-----------------------------------------|---------|---------|---------|-------------------------|
|                                      | FY 2016                                 | FY 2017 | FY 2018 | FY 2019 |                         |
| <b>All individuals</b>               | 83                                      | 82      | 82      | 81      | 78                      |
| <b>Individuals by household size</b> |                                         |         |         |         |                         |
| 1 person                             | 93                                      | 90      | 89      | 88      | 84                      |
| 2 people                             | 62                                      | 60      | 59      | 60      | 56                      |
| 3 people                             | 86                                      | 93      | 88      | 84      | 84                      |
| 4 people                             | 94                                      | 89      | 90      | 86      | 86                      |
| 5 people                             | 85                                      | 83      | 86      | 90      | 78                      |
| 6 or more people                     | 83                                      | 85      | 96      | *       | 90                      |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

**Table B.3. Estimated individual participation rates, by demographic characteristics, FY 2016 to pre-pandemic FY 2020**

|                                                                                  | Individual participation rate (percent) |         |         |         |                      |
|----------------------------------------------------------------------------------|-----------------------------------------|---------|---------|---------|----------------------|
|                                                                                  | FY 2016                                 | FY 2017 | FY 2018 | FY 2019 | Pre-pandemic FY 2020 |
| <b>All individuals</b>                                                           | 83                                      | 82      | 82      | 81      | 78                   |
| <b>Age</b>                                                                       |                                         |         |         |         |                      |
| Children (age 17 or younger)                                                     | *                                       | *       | *       | *       | 97                   |
| Preschool age (age 0–4)                                                          | *                                       | 100     | 99      | *       | 98                   |
| School age (age 5–17)                                                            | *                                       | *       | *       | 99      | 97                   |
| Non-elderly adults (age 18–59 )                                                  | 87                                      | 84      | 83      | 85      | 82                   |
| Elderly individuals (age 60 or older)                                            | 44                                      | 46      | 48      | 48      | 47                   |
| Living alone                                                                     | 58                                      | 59      | 63      | 62      | 59                   |
| Not living alone                                                                 | 24                                      | 28      | 26      | 28      | 29                   |
| <b>Adults age 18–49 without disabilities in childless households<sup>a</sup></b> | 93                                      | 83      | 78      | 81      | 77                   |
| <b>Noncitizens<sup>b</sup></b>                                                   | 66                                      | 61      | 60      | 55      | 52                   |
| <b>Citizen children living with noncitizen adults<sup>c</sup></b>                | 80                                      | 74      | 72      | 63      | 64                   |
| <b>Employment status of non-elderly adults</b>                                   |                                         |         |         |         |                      |
| Employed                                                                         | 72                                      | 71      | 70      | 70      | 69                   |
| Not employed                                                                     | 94                                      | 92      | 90      | 93      | 88                   |
| <b>Individuals by household composition</b>                                      |                                         |         |         |         |                      |
| Living with children                                                             | 95                                      | 94      | 96      | 94      | 90                   |
| Single-adult household                                                           | *                                       | *       | *       | *       | *                    |
| Married-head household                                                           | 63                                      | 64      | 62      | 59      | 55                   |
| Other households                                                                 | 95                                      | 94      | 90      | 92      | 88                   |
| Not living with children                                                         | 65                                      | 64      | 62      | 64      | 62                   |
| <b>Gender</b>                                                                    |                                         |         |         |         |                      |
| Male                                                                             | 82                                      | 81      | 80      | 80      | 76                   |
| Female                                                                           | 84                                      | 83      | 84      | 83      | 79                   |
| <b>Metropolitan status</b>                                                       |                                         |         |         |         |                      |
| Urban                                                                            | 83                                      | 81      | 81      | 82      | 79                   |
| Rural                                                                            | 83                                      | 88      | 87      | 79      | 75                   |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

<sup>b</sup> These estimates do not include noncitizens who are outside the SNAP household but reside in the same dwelling unit.

<sup>c</sup> These estimates include citizen children living in a household with a noncitizen adult, regardless of SNAP participation or eligibility of the adult.

**Table B.4. Estimated individual participation rates, by economic characteristics of households, FY 2016 to pre-pandemic FY 2020**

|                                                                         | Individual participation rate (percent) |         |         |         |                      |
|-------------------------------------------------------------------------|-----------------------------------------|---------|---------|---------|----------------------|
|                                                                         | FY 2016                                 | FY 2017 | FY 2018 | FY 2019 | Pre-pandemic FY 2020 |
| <b>All individuals</b>                                                  | 83                                      | 82      | 82      | 81      | 78                   |
| <b>Household countable income sources<sup>a</sup></b>                   |                                         |         |         |         |                      |
| No income                                                               | 95                                      | 89      | 87      | 91      | 82                   |
| No earned income                                                        | 91                                      | 90      | 90      | 90      | 84                   |
| Earned income                                                           | 75                                      | 73      | 74      | 71      | 70                   |
| TANF                                                                    | 69                                      | 71      | 77      | 73      | 55                   |
| Earned income                                                           | 39                                      | 46      | 45      | 39      | 42                   |
| No earned income                                                        | 92                                      | 90      | 98      | 95      | 62                   |
| No TANF                                                                 | 84                                      | 83      | 82      | 82      | 80                   |
| Earned income                                                           | 78                                      | 76      | 75      | 74      | 72                   |
| No earned income                                                        | 90                                      | 90      | 89      | 90      | 86                   |
| Social Security                                                         | 63                                      | 66      | 65      | 66      | 66                   |
| <b>Household countable income as a percentage of poverty guidelines</b> |                                         |         |         |         |                      |
| 100 percent of poverty or less                                          | 99                                      | 99      | 100     | 99      | 94                   |
| No income                                                               | 95                                      | 89      | 87      | 91      | 82                   |
| 1 to 50 percent                                                         | *                                       | *       | *       | *       | *                    |
| 51 to 100 percent                                                       | 93                                      | 93      | 95      | 94      | 93                   |
| Greater than 100 percent of poverty                                     | 42                                      | 41      | 41      | 42      | 39                   |
| 101 to 130 percent                                                      | 49                                      | 48      | 46      | 47      | 44                   |
| 131 percent or more                                                     | 16                                      | 17      | 18      | 21      | 19                   |
| <b>Household monthly SNAP benefit</b>                                   |                                         |         |         |         |                      |
| Minimum benefit or less                                                 | 29                                      | 28      | 27      | 28      | 28                   |
| Greater than the minimum to \$150                                       | 60                                      | 61      | 63      | 61      | 59                   |
| \$151 to \$300                                                          | 92                                      | 88      | 87      | 89      | 92                   |
| \$301 to \$450                                                          | 87                                      | 85      | 88      | 86      | 84                   |
| \$451 to \$600                                                          | *                                       | *       | *       | *       | *                    |
| \$601 or more                                                           | 100                                     | *       | *       | *       | *                    |
| <b>Benefit as a percentage of maximum benefit</b>                       |                                         |         |         |         |                      |
| Low benefits (1 to 50 percent)                                          | 51                                      | 49      | 49      | 48      | 48                   |
| 1 to 25 percent                                                         | 38                                      | 37      | 36      | 36      | 35                   |
| 26 to 50 percent                                                        | 63                                      | 61      | 64      | 62      | 65                   |
| High benefits (51 to 99 percent)                                        | *                                       | *       | *       | *       | *                    |
| 51 to 75 percent                                                        | 87                                      | 86      | 89      | 98      | 96                   |
| 76 to 99 percent                                                        | *                                       | *       | *       | *       | *                    |
| Maximum (100 percent)                                                   | *                                       | *       | *       | *       | 98                   |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

<sup>a</sup> These income sources are not mutually exclusive.

**Table B.5A. Estimated individual participation rates for individuals living with children, FY 2016 to pre-pandemic FY 2020**

|                                                                         | Individual participation rate (percent) |         |         |         |                      |
|-------------------------------------------------------------------------|-----------------------------------------|---------|---------|---------|----------------------|
|                                                                         | FY 2016                                 | FY 2017 | FY 2018 | FY 2019 | Pre-pandemic FY 2020 |
| <b>Individuals living in households with children</b>                   | 95                                      | 94      | 96      | 94      | 90                   |
| <b>Age</b>                                                              |                                         |         |         |         |                      |
| Children (age 17 or younger)                                            | *                                       | *       | *       | *       | 97                   |
| Non-elderly adults (age 18–59 )                                         | 88                                      | 88      | 90      | 88      | 83                   |
| Elderly individuals (age 60 or older)                                   | 29                                      | 30      | 30      | 30      | 26                   |
| <b>Household countable income source<sup>a</sup></b>                    |                                         |         |         |         |                      |
| No income                                                               | 90                                      | 89      | 90      | 94      | 83                   |
| No earned income                                                        | *                                       | *       | *       | *       | *                    |
| Earned income                                                           | 84                                      | 82      | 84      | 80      | 79                   |
| TANF                                                                    | 69                                      | 70      | 76      | 73      | 54                   |
| Earned income                                                           | 39                                      | 46      | 45      | 39      | 42                   |
| No earned income                                                        | 91                                      | 89      | 97      | 95      | 61                   |
| No TANF                                                                 | 100                                     | 98      | 99      | 97      | 96                   |
| Earned income                                                           | 89                                      | 86      | 87      | 84      | 82                   |
| No earned income                                                        | *                                       | *       | *       | *       | *                    |
| Social Security                                                         | 90                                      | 99      | 92      | 95      | 100                  |
| <b>Household countable income as a percentage of poverty guidelines</b> |                                         |         |         |         |                      |
| 100 percent of poverty or less                                          | *                                       | *       | *       | *       | *                    |
| No income                                                               | 90                                      | 89      | 90      | 94      | 83                   |
| 1 to 50 percent                                                         | *                                       | *       | *       | *       | *                    |
| 51 to 100 percent                                                       | *                                       | *       | *       | *       | *                    |
| Greater than 100 percent of poverty                                     | 54                                      | 52      | 50      | 48      | 47                   |
| 101 to 130 percent                                                      | 59                                      | 57      | 54      | 52      | 52                   |
| 131 percent or more                                                     | 16                                      | 11      | 14      | 15      | 13                   |
| <b>Household earned income as a percentage of poverty guidelines</b>    |                                         |         |         |         |                      |
| 100 percent of poverty or less                                          | *                                       | *       | *       | *       | *                    |
| No earnings                                                             | *                                       | *       | *       | *       | *                    |
| 1 to 50 percent                                                         | *                                       | *       | *       | *       | *                    |
| 51 to 100 percent                                                       | 89                                      | 82      | 87      | 85      | 85                   |
| Greater than 100 percent of poverty                                     | 43                                      | 43      | 41      | 39      | 38                   |
| 101 to 130 percent                                                      | 46                                      | 46      | 44      | 42      | 41                   |
| 131 percent or more                                                     | 5                                       | 3       | 6       | 2       | 3                    |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

<sup>a</sup> These income sources are not mutually exclusive.

**Table B.5B. Estimated individual participation rates for individuals not living with children, FY 2016 to pre-pandemic FY 2020**

|                                                                         | Individual participation rate (percent) |         |         |         |                      |
|-------------------------------------------------------------------------|-----------------------------------------|---------|---------|---------|----------------------|
|                                                                         | FY 2016                                 | FY 2017 | FY 2018 | FY 2019 | Pre-pandemic FY 2020 |
| <b>Individuals not living in households with children</b>               | 65                                      | 64      | 62      | 64      | 62                   |
| <b>Age</b>                                                              |                                         |         |         |         |                      |
| Children (age 17 or younger)                                            | 0                                       | 0       | 0       | 0       | 0                    |
| Non-elderly adults (age 18–59 )                                         | 85                                      | 80      | 77      | 82      | 80                   |
| Elderly individuals (age 60 or older)                                   | 45                                      | 47      | 49      | 49      | 48                   |
| <b>Household countable income source<sup>a</sup></b>                    |                                         |         |         |         |                      |
| No income                                                               | *                                       | 89      | 85      | 87      | 82                   |
| No earned income                                                        | 73                                      | 72      | 71      | 72      | 69                   |
| Earned income                                                           | 38                                      | 38      | 34      | 35      | 35                   |
| TANF                                                                    | *                                       | *       | *       | 80      | *                    |
| Earned income                                                           | 18                                      | 16      | 19      | 14      | 10                   |
| No earned income                                                        | *                                       | *       | *       | *       | *                    |
| No TANF                                                                 | 65                                      | 64      | 62      | 64      | 62                   |
| Earned income                                                           | 39                                      | 38      | 34      | 36      | 35                   |
| No earned income                                                        | 73                                      | 72      | 71      | 72      | 69                   |
| Social Security                                                         | 54                                      | 57      | 57      | 58      | 58                   |
| <b>Household countable income as a percentage of poverty guidelines</b> |                                         |         |         |         |                      |
| 100 percent of poverty or less                                          | 84                                      | 82      | 78      | 78      | 77                   |
| No income                                                               | *                                       | 89      | 85      | 87      | 82                   |
| 1 to 50 percent                                                         | 78                                      | 74      | 67      | 68      | 65                   |
| 51 to 100 percent                                                       | 79                                      | 81      | 79      | 78      | 78                   |
| Greater than 100 percent of poverty                                     | 28                                      | 29      | 30      | 34      | 31                   |
| 101 to 130 percent                                                      | 33                                      | 34      | 34      | 40      | 34                   |
| 131 percent or more                                                     | 17                                      | 19      | 20      | 23      | 22                   |
| <b>Household earned income as a percentage of poverty guidelines</b>    |                                         |         |         |         |                      |
| 100 percent of poverty or less                                          | 70                                      | 69      | 68      | 69      | 66                   |
| No earnings                                                             | 73                                      | 72      | 71      | 72      | 69                   |
| 1 to 50 percent                                                         | 91                                      | 90      | 81      | 87      | 90                   |
| 51 to 100 percent                                                       | 37                                      | 38      | 34      | 32      | 31                   |
| Greater than 100 percent of poverty                                     | 18                                      | 16      | 14      | 16      | 13                   |
| 101 to 130 percent                                                      | 21                                      | 20      | 16      | 19      | 16                   |
| 131 percent or more                                                     | 5                                       | 5       | 9       | 7       | 6                    |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

<sup>a</sup> These income sources are not mutually exclusive.

**Table B.6. Estimated household participation rates, FY 2016 to pre-pandemic FY 2020**

|                                                                         | Household participation rate (percent) |         |         |         | Pre-pandemic<br>FY 2020 |
|-------------------------------------------------------------------------|----------------------------------------|---------|---------|---------|-------------------------|
|                                                                         | FY 2016                                | FY 2017 | FY 2018 | FY 2019 |                         |
| <b>All households</b>                                                   | 86                                     | 84      | 83      | 84      | 81                      |
| <b>Household composition</b>                                            |                                        |         |         |         |                         |
| Children (age 17 or younger)                                            | *                                      | 99      | *       | *       | *                       |
| Single-adult                                                            | *                                      | *       | *       | *       | *                       |
| Married-head                                                            | 62                                     | 63      | 61      | 58      | 56                      |
| Other                                                                   | *                                      | 99      | 92      | 97      | 95                      |
| No children                                                             | 77                                     | 75      | 74      | 75      | 72                      |
| <b>Households containing:</b>                                           |                                        |         |         |         |                         |
| Elderly individuals                                                     | 47                                     | 49      | 51      | 51      | 50                      |
| Non-elderly adults with disabilities                                    | 89                                     | 90      | 90      | 95      | 95                      |
| Adults age 18–49 without disabilities and no children <sup>a</sup>      | *                                      | 98      | 92      | 95      | 89                      |
| Noncitizens                                                             | 61                                     | 58      | 57      | 54      | 52                      |
| <b>Household countable income source<sup>b</sup></b>                    |                                        |         |         |         |                         |
| Earned income                                                           | 74                                     | 73      | 71      | 71      | 71                      |
| TANF                                                                    | 79                                     | 80      | 84      | 84      | 66                      |
| SSI                                                                     | 97                                     | 97      | *       | 96      | 91                      |
| Social Security                                                         | 68                                     | 70      | 70      | 70      | 69                      |
| <b>Household countable income as a percentage of poverty guidelines</b> |                                        |         |         |         |                         |
| No income                                                               | *                                      | 99      | 96      | 99      | 92                      |
| 1 to 50 percent                                                         | *                                      | *       | *       | *       | *                       |
| 51 to 100 percent                                                       | 98                                     | 98      | 97      | 97      | 95                      |
| 101 percent or more                                                     | 41                                     | 41      | 42      | 44      | 41                      |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

<sup>b</sup> These income sources are not mutually exclusive.

**Table B.7. Estimated benefit receipt rates, by household-level demographic and economic characteristics, FY 2016 to pre-pandemic FY 2020**

|                                                                         | Benefit receipt rate (percent) |         |         |         |                      |
|-------------------------------------------------------------------------|--------------------------------|---------|---------|---------|----------------------|
|                                                                         | FY 2016                        | FY 2017 | FY 2018 | FY 2019 | Pre-pandemic FY 2020 |
| <b>All benefits</b>                                                     | *                              | *       | *       | *       | *                    |
| <b>Household composition</b>                                            |                                |         |         |         |                      |
| Children (age 17 or younger)                                            | *                              | *       | *       | *       | *                    |
| Single-adult                                                            | *                              | *       | *       | *       | *                    |
| Married-head                                                            | 70                             | 73      | 71      | 70      | 67                   |
| Other                                                                   | *                              | *       | *       | *       | *                    |
| No children                                                             | 91                             | 89      | 88      | 91      | 89                   |
| <b>Households containing:</b>                                           |                                |         |         |         |                      |
| Elderly individuals                                                     | 49                             | 53      | 55      | 58      | 56                   |
| Non-elderly adults with disabilities                                    | 80                             | 85      | 86      | 93      | 96                   |
| <b>Household countable income source<sup>a</sup></b>                    |                                |         |         |         |                      |
| No earned income                                                        | *                              | *       | *       | *       | *                    |
| Earned income                                                           | 95                             | 95      | 98      | 99      | *                    |
| TANF                                                                    | 74                             | 77      | 82      | 78      | 57                   |
| SSI                                                                     | *                              | *       | *       | *       | *                    |
| Social Security                                                         | 82                             | 87      | 88      | 90      | 95                   |
| <b>Household countable income as a percentage of poverty guidelines</b> |                                |         |         |         |                      |
| No income                                                               | 99                             | 92      | 91      | 97      | 89                   |
| 1 to 50 percent                                                         | *                              | *       | *       | *       | *                    |
| 51 to 100 percent                                                       | *                              | *       | *       | *       | *                    |
| 101 to 130 percent                                                      | 57                             | 59      | 58      | 62      | 63                   |
| 131 percent or more                                                     | 33                             | 35      | 43      | 50      | 49                   |
| <b>Household monthly SNAP benefit</b>                                   |                                |         |         |         |                      |
| Minimum benefit or less                                                 | 31                             | 30      | 28      | 29      | 29                   |
| Greater than the minimum to \$150                                       | 78                             | 82      | 84      | 82      | 83                   |
| \$151 to \$300                                                          | *                              | *       | *       | *       | *                    |
| \$301 to \$450                                                          | 92                             | 91      | 94      | 92      | 90                   |
| \$451 to \$600                                                          | *                              | *       | *       | *       | *                    |
| \$601 or more                                                           | *                              | *       | *       | *       | *                    |
| <b>Benefits as a percentage of maximum benefit</b>                      |                                |         |         |         |                      |
| 1 to 25 percent                                                         | 44                             | 44      | 42      | 42      | 41                   |
| 26 to 50 percent                                                        | 66                             | 64      | 68      | 67      | 72                   |
| 51 to 75 percent                                                        | 91                             | 90      | 94      | *       | *                    |
| 76 to 99 percent                                                        | *                              | *       | *       | *       | *                    |
| Maximum (100 percent)                                                   | *                              | *       | *       | *       | *                    |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: Benefit receipt rates by individual-level characteristics are calculated by summing the prorated benefits of individuals with the selected characteristic.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

<sup>a</sup> These income sources are not mutually exclusive.

**Table B.8. Estimated benefit receipt rates, by individual-level demographic characteristics, FY 2016 to pre-pandemic FY 2020**

|                                                                                  | Benefit receipt rate (percent) |         |         |         |                      |
|----------------------------------------------------------------------------------|--------------------------------|---------|---------|---------|----------------------|
|                                                                                  | FY 2016                        | FY 2017 | FY 2018 | FY 2019 | Pre-pandemic FY 2020 |
| <b>All benefits</b>                                                              | 99                             | 99      | *       | *       | 96                   |
| <b>Age</b>                                                                       |                                |         |         |         |                      |
| Children (age 17 or younger)                                                     | *                              | *       | *       | *       | *                    |
| Non-elderly adults (age 18–59 )                                                  | *                              | *       | *       | *       | *                    |
| Elderly individuals (age 60 or older)                                            | 57                             | 60      | 63      | 65      | 63                   |
| Living alone                                                                     | 80                             | 82      | 88      | 91      | 87                   |
| Not living alone                                                                 | 27                             | 31      | 29      | 31      | 31                   |
| <b>Adults age 18–49 without disabilities in childless households<sup>a</sup></b> | *                              | *       | *       | *       | *                    |
| <b>Noncitizens<sup>b</sup></b>                                                   | 79                             | 75      | 72      | 71      | 65                   |
| <b>Citizen children living with noncitizen adults<sup>c</sup></b>                | 96                             | 92      | 91      | 81      | 79                   |
| <b>Gender</b>                                                                    |                                |         |         |         |                      |
| Male                                                                             | 99                             | 98      | 98      | 99      | 95                   |
| Female                                                                           | 99                             | 100     | *       | *       | 97                   |
| <b>Employment status of non-elderly adults</b>                                   |                                |         |         |         |                      |
| Employed                                                                         | 92                             | 92      | 92      | 92      | 93                   |
| Not employed                                                                     | *                              | *       | *       | *       | *                    |

Sources: SNAP Program Operations; SNAP Quality Control; Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: Benefit receipt rates by individual-level characteristics are calculated by summing the prorated benefits of individuals with the selected characteristic.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

<sup>b</sup> These estimates do not include noncitizens who are outside the SNAP household but reside in the same dwelling unit.

<sup>c</sup> These estimates include citizen children living in a household with a noncitizen adult, regardless of SNAP participation or eligibility of the adult.



## **APPENDIX C**

### **HISTORICAL SNAP PARTICIPATION RATE ESTIMATES**



**Table C.1. Estimated number of eligible and participating individuals, households, and benefits, and participation rates, 1976 to pre-pandemic 2020**

|                             | Eligible (000) |            |               | Participating (000) |            |               | Participation rates (percent) |            |          |
|-----------------------------|----------------|------------|---------------|---------------------|------------|---------------|-------------------------------|------------|----------|
|                             | Individuals    | Households | Benefits (\$) | Individuals         | Households | Benefits (\$) | Individuals                   | Households | Benefits |
| September 1976 <sup>a</sup> | 50,061         | 16,282     | \$1,075,819   | 15,880              | 5,308      | \$375,461     | 31.7                          | 32.6       | 34.9     |
| February 1978               | 40,175         | 13,984     | 934,427       | 15,387              | 5,286      | 398,066       | 38.3                          | 37.8       | 42.6     |
| August 1980                 | 36,567         | 14,042     | 1,108,330     | 20,185              | 7,372      | 689,381       | 55.2                          | 52.5       | 62.2     |
| August 1982                 | 39,364         | 14,538     | 1,352,251     | 20,548              | 7,487      | 785,658       | 52.2                          | 51.5       | 58.1     |
| August 1984                 | 38,591         | 14,194     | 1,386,231     | 19,990              | 7,324      | 841,442       | 51.8                          | 51.6       | 60.7     |
| August 1986                 | 40,061         | 15,273     | 1,544,833     | 19,069              | 7,102      | 860,472       | 47.6                          | 46.5       | 55.7     |
| August 1988                 | 38,166         | 14,896     | 1,646,310     | 18,358              | 7,016      | 907,117       | 48.1                          | 47.1       | 55.1     |
| August 1990                 | 37,631         | 14,523     | 1,905,141     | 20,396              | 7,973      | 1,188,808     | 54.2                          | 54.9       | 62.4     |
| August 1991                 | 40,989         | 15,574     | 2,229,403     | 23,364              | 9,204      | 1,471,406     | 57.0                          | 59.1       | 66.0     |
| August 1992                 | 43,474         | 16,627     | 2,491,671     | 25,759              | 10,238     | 1,749,058     | 59.3                          | 61.6       | 70.2     |
| August 1993                 | 45,241         | 17,031     | 2,515,761     | 27,260              | 10,900     | 1,839,469     | 60.3                          | 64.0       | 73.1     |
| August 1994                 | 44,327         | 17,040     | 2,473,299     | 27,207              | 11,005     | 1,873,953     | 61.4                          | 64.6       | 75.8     |
| September 1994              | 35,053         | 15,305     | 2,028,290     | 26,229              | 10,659     | 1,747,990     | 74.8                          | 69.6       | 86.2     |
| September 1995              | 34,665         | 14,994     | 2,017,983     | 25,213              | 10,374     | 1,751,560     | 72.7                          | 69.2       | 86.8     |
| September 1996              | 34,478         | 15,264     | 2,060,242     | 23,874              | 9,934      | 1,706,230     | 69.2                          | 65.1       | 82.8     |
| September 1997              | 31,818         | 14,692     | 1,913,367     | 20,365              | 8,446      | 1,407,148     | 64.0                          | 57.5       | 73.5     |
| September 1998              | 30,350         | 14,024     | 1,836,184     | 18,152              | 7,606      | 1,253,632     | 59.8                          | 54.2       | 68.3     |
| September 1999              | 29,502         | 13,723     | 1,779,829     | 17,081              | 7,280      | 1,199,679     | 57.9                          | 53.0       | 67.4     |
| FY 1999 <sup>b</sup>        | 30,857         | 14,508     | 1,812,128     | 17,705              | 7,481      | 1,256,625     | 57.4                          | 51.6       | 69.3     |
| FY 2000                     | 29,458         | 14,235     | 1,741,177     | 16,701              | 7,146      | 1,193,970     | 56.7                          | 50.2       | 68.6     |
| FY 2001                     | 31,223         | 15,107     | 1,912,260     | 16,834              | 7,250      | 1,240,961     | 53.9                          | 48.0       | 64.9     |
| FY 2002(a)                  | 34,388         | 16,693     | 2,230,454     | 18,500              | 7,951      | 1,451,229     | 53.8                          | 47.6       | 65.1     |
| FY 2002(b)                  | 34,182         | 15,989     | 2,144,408     | 18,478              | 7,954      | 1,455,518     | 54.1                          | 49.7       | 67.9     |
| FY 2003                     | 36,462         | 17,070     | 2,426,022     | 20,577              | 8,892      | 1,712,175     | 56.4                          | 52.1       | 70.6     |
| FY 2004                     | 37,342         | 17,489     | 2,579,462     | 23,090              | 9,991      | 1,976,344     | 61.8                          | 57.1       | 76.6     |
| FY 2005                     | 37,735         | 17,727     | 2,765,622     | 24,510              | 10,737     | 2,255,976     | 65.0                          | 60.6       | 81.6     |
| FY 2006                     | 36,460         | 17,124     | 2,683,513     | 25,136              | 11,186     | 2,346,568     | 68.9                          | 65.3       | 87.4     |
| FY 2007                     | 37,167         | 17,454     | 2,770,779     | 25,461              | 11,427     | 2,437,438     | 68.5                          | 65.5       | 88.0     |
| FY 2008                     | 38,575         | 17,985     | 3,012,995     | 27,229              | 12,297     | 2,759,830     | 70.6                          | 68.4       | 91.6     |
| FY 2009                     | 44,512         | 20,330     | 4,443,998     | 32,146              | 14,685     | 4,040,195     | 72.2                          | 72.2       | 90.9     |

**Table C.1. (continued)**

|                         | Eligible (000) |            |               | Participating (000) |            |               | Participation rates (percent) |            |          |
|-------------------------|----------------|------------|---------------|---------------------|------------|---------------|-------------------------------|------------|----------|
|                         | Individuals    | Households | Benefits (\$) | Individuals         | Households | Benefits (\$) | Individuals                   | Households | Benefits |
| FY 2010                 | 52,264         | 23,268     | 6,008,963     | 37,482              | 17,361     | 5,071,095     | 71.7                          | 74.6       | 84.4     |
| FY 2011                 | 52,161         | 23,495     | 6,118,029     | 40,694              | 19,221     | 5,525,832     | 78.0                          | 81.8       | 90.3     |
| FY 2012                 | 50,708         | 23,162     | 5,957,258     | 42,129              | 20,201     | 5,694,917     | 83.1                          | 87.2       | 95.6     |
| FY 2013                 | 50,716         | 23,212     | 5,697,815     | 43,231              | 20,914     | 5,841,269     | 85.2                          | 90.1       | *        |
| FY 2014                 | 51,026         | 23,415     | 5,185,920     | 42,300              | 20,620     | 5,371,005     | 82.9                          | 88.1       | *        |
| FY 2015                 | 50,036         | 23,021     | 5,202,516     | 41,554              | 20,436     | 5,380,918     | 83.0                          | 88.8       | *        |
| FY 2016(a)              | 47,070         | 21,982     | 4,830,772     | 39,904              | 19,556     | 5,071,716     | 84.8                          | 89.0       | *        |
| FY 2017(a)              | 45,164         | 21,269     | 4,627,290     | 37,837              | 18,620     | 4,783,394     | 83.8                          | 87.5       | *        |
| FY 2016(b)              | 48,101         | 22,767     | 5,000,495     | 39,909              | 19,559     | 5,072,046     | 83.0                          | 85.9       | *        |
| FY 2017(b)              | 46,152         | 22,145     | 4,703,330     | 37,808              | 18,605     | 4,779,372     | 81.9                          | 84.0       | *        |
| FY 2018                 | 43,862         | 21,362     | 4,305,422     | 35,987              | 17,823     | 4,446,024     | 82.0                          | 83.4       | *        |
| FY 2019                 | 41,576         | 20,237     | 3,908,179     | 33,869              | 16,955     | 4,153,405     | 81.5                          | 83.8       | *        |
| Pre-pandemic<br>FY 2020 | 42,182         | 20,661     | 3,905,075     | 32,883              | 16,740     | 4,024,533     | 78.0                          | 81.0       | *        |

Sources: SNAP Program Operations, SNAP Quality Control, and Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: Participating and eligible totals are monthly averages. There are two estimates for 1994 and 1999 because of revised methodologies for determining SNAP eligibility, two estimates for 2002 because of revised methodologies for determining SNAP eligibility and the number of participants, and two estimates for FY 2016 and FY 2017 because of changes to the Current Population Survey Annual Social and Economic Supplement. The September 1976 to August 1994 estimates are methodologically consistent, as are the September 1994 to September 1999 estimates, the FY 1999 to FY 2002(a) estimates, the FY 2002(b) to FY 2009 estimates, the FY 2010 to FY 2017(a) estimates, and the FY 2016(b) to FY 2019 estimates. Readers should not compare the FY 2016 to FY 2019 estimates with any prior estimates.

The totals in this table do not include participants who received disaster assistance or were ineligible for SNAP. Some categorically eligible participants who were not eligible under the Federal rules are also excluded. See Appendix D for details.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> The benefit rates for 1976 and 1978 are based on the net benefit amount left after subtracting the amount paid for food stamps (see Table G.3H for a description of the purchase requirement) and thus are consistent throughout these years.

<sup>b</sup> All fiscal year numbers are average monthly values.

**Table C.2. Change in estimated individual SNAP participation rates, 1988 to pre-pandemic 2020**

| Time period                     | Change in participation rate | Change in participants (percent) | Change in eligible individuals (percent) |
|---------------------------------|------------------------------|----------------------------------|------------------------------------------|
| 1988 to 1990                    | 6.1 points                   | 11.1                             | -1.4                                     |
| 1990 to 1991                    | 2.8 points                   | 14.6                             | 8.9                                      |
| 1991 to 1992                    | 2.3 points                   | 10.3                             | 6.1                                      |
| 1992 to 1993                    | 1.0 points                   | 5.8                              | 4.1                                      |
| 1993 to 1994                    | 1.1 points                   | -0.2                             | -2.0                                     |
| 1994 to 1995                    | -2.1 points                  | -3.9                             | -1.1                                     |
| 1995 to 1996                    | -3.5 points                  | -5.3                             | -0.5                                     |
| 1996 to 1997                    | -5.2 points                  | -14.7                            | -7.7                                     |
| 1997 to 1998                    | -4.2 points                  | -10.9                            | -4.6                                     |
| 1998 to 1999                    | -1.9 points                  | -5.9                             | -2.8                                     |
| FY 1999 to FY 2000              | -0.7 points                  | -5.7                             | -4.5                                     |
| FY 2000 to FY 2001              | -2.8 points                  | 0.8                              | 6.0                                      |
| FY 2001 to FY 2002(a)           | -0.1 points                  | 9.9                              | 10.1                                     |
| FY 2002(b) to FY 2003           | 2.4 points                   | 11.4                             | 6.7                                      |
| FY 2003 to FY 2004              | 5.4 points                   | 12.2                             | 2.4                                      |
| FY 2004 to FY 2005              | 3.1 points                   | 6.1                              | 1.1                                      |
| FY 2005 to FY 2006              | 4.0 points                   | 2.6                              | -3.4                                     |
| FY 2006 to FY 2007              | -0.4 points                  | 1.3                              | 1.9                                      |
| FY 2007 to FY 2008              | 2.1 points                   | 6.9                              | 3.8                                      |
| FY 2008 to FY 2009              | 1.6 points                   | 18.1                             | 15.4                                     |
| FY 2010 to FY 2011              | 6.3 points                   | 8.6                              | -0.2                                     |
| FY 2011 to FY 2012              | 5.1 points                   | 3.5                              | -2.8                                     |
| FY 2012 to FY 2013              | 2.2 points                   | 2.6                              | 0.0                                      |
| FY 2013 to FY 2014              | -2.3 points                  | -2.2                             | 0.6                                      |
| FY 2014 to FY 2015              | 0.1 points                   | -1.8                             | -1.9                                     |
| FY 2015 to FY 2016(a)           | 1.7 points                   | -4.0                             | -5.9                                     |
| FY 2016(a) to FY 2017(a)        | -1.0 points                  | -5.2                             | -4.0                                     |
| FY 2016(b) to FY 2017(b)        | -1.0 points                  | -5.3                             | -4.1                                     |
| FY 2017(b) to FY 2018           | 0.1 points                   | -4.8                             | -5.0                                     |
| FY 2018 to FY 2019              | -0.6 points                  | -5.9                             | -5.2                                     |
| FY 2019 to pre-pandemic FY 2020 | -3.5 points                  | -2.9                             | 1.5                                      |

Sources: SNAP Program Operations, SNAP Quality Control, and Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: There were revisions to the methodology or data in 1994, 1999, FY 2002, FY 2010, and FY 2016. For years with multiple estimates shown, the rate calculated with the revised methodology is used for comparison with the year after the change in methodology. For example, the original 1994 estimate is used to calculate the change between 1993 and 1994, whereas the revised 1994 estimate is used to calculate the change between 1994 and 1995.

Figure C.1. Trends in SNAP participation rate estimates, 1976 to pre-pandemic 2020

Participation rate



Sources: SNAP Program Operations data, SNAP Quality Control data, and Current Population Survey Annual Social and Economic Supplement data for the years shown.

Note: There are breaks in the time series in 1994 and 1999 because of revisions in the methodology for determining eligibility; there are breaks in 2002 and 2009 because of revisions in the methodology for determining eligibility and the number of participants; and there is a break in 2016 because of changes in the Current Population Survey Annual Social and Economic Supplement.

\* In this report, we do not report estimated rates higher than 100 percent. See Appendix D for more information.

**APPENDIX D**  
**METHODOLOGY**





## METHODOLOGY

The participation rates in this report are based on estimates of the numbers of individuals who were eligible for and participated in SNAP. Because survey data underreport SNAP participation, we estimated rate numerators from a different data source than rate denominators: we estimated the number of participants using SNAP QC data and the number of eligible individuals from a microsimulation model based on data from the U.S. Census Bureau's CPS ASEC. The resulting participation rates estimate the percentage of individuals who were eligible for SNAP under applicable Federal rules and chose to participate in the program.<sup>7</sup> The rates do not include individuals eligible solely through State-expanded categorical eligibility policies.

The estimation approach used for the FY 2016 through pre-pandemic FY 2020 rates in this report produced a series of methodologically consistent rates, allowing the reader to observe and evaluate trends in SNAP participation over this time period. The FY 2019 rates in this report slightly differ from those presented in Vigil (2021). Because of changes to the CPS ASEC, readers should not compare the rates in this report with those in earlier published reports.<sup>8</sup>

In this appendix, we describe the methodology used to estimate SNAP eligibility (Section A), SNAP participation (Section B), and SNAP participation rates (Section C) for FY 2016 through the FY 2020 pre-pandemic period. Section D describes differences between the SNAP QC and CPS ASEC data that resulted in some estimated participation rates exceeding 100 percent. In this report, we use an asterisk to indicate estimated rates higher than 100 percent and the associated eligibility estimates.

### **A. Determining the number of SNAP-eligible individuals**

The CPS ASEC provides detailed demographic and economic information on individuals potentially eligible for SNAP in all 50 States and the District of Columbia for the previous calendar year. The Census Bureau implemented a redesigned processing system for the 2019 CPS ASEC file and released redesigned 2017 and 2018 files. Estimates of eligibility in this report use the redesigned versions of the CPS ASEC.

We estimated the number of SNAP-eligible individuals with a microsimulation model that combined two years of CPS ASEC data to simulate SNAP eligibility in an average month within the pre-pandemic period in the fiscal year (October to February). For pre-pandemic FY 2020, we used data from the 2020 CPS ASEC to simulate October to December 2019 and data from the 2021 CPS ASEC to simulate January and February 2020. We derived estimates for previous fiscal years using the two CPS ASEC files appropriate for each of those years. For the pre-pandemic FY 2020 eligibility estimates, we use the 2021 CPS ASEC revised public use entropy

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<sup>7</sup> In pre-pandemic FY 2020, about 83,000 individuals participated in the Food Distribution Program on Indian Reservations (FDPIR). Participants in this program are not eligible for SNAP even though many meet the SNAP income and resource eligibility standards. We did not exclude them from estimates of SNAP-eligible individuals, however, because of the substantial error associated with estimating numbers of FDPIR participants in the CPS ASEC. As a result, participation rates are slightly underestimated—by 0.15 percentage points at most.

<sup>8</sup> We present consistent rates, for FY 2010 through FY 2017 in Vigil (2019), for FY 2002 through FY 2009 in Leftin et al. (2011), for FY 1999 through FY 2002 in Wolkwitz (2007), for September 1994 through September 1999 in Cunyngnam (2002), and for September 1976 through August 1995 in Trippe and Cody (1997).

balance weights, which account for survey non-response bias as a result of the COVID-19 pandemic.<sup>9</sup> The Census Bureau does not intend to release replicate weights for the public use entropy balance weights. After consultation with staff from the Census Bureau, we developed replicate weights to pair with the public use entropy balance weights using a methodology they recommended. Using these replicate weights, we produced the standard errors and confidence intervals in this report. Appendix E provides more information about the replicate weights we developed and the standard errors. Table D.1 lists the unweighted counts of households in the CPS ASEC files that we used for this series of reports. Table D.2 lists unweighted counts of households by their probability of having been eligible in pre-pandemic FY 2020. A summary of changes in the CPS ASEC over time is in Table D.3.

In the simulation procedure, we applied SNAP eligibility guidelines to each household in the CPS ASEC. The SNAP guidelines include household formation rules, resource limits, and income limits. Because several types of information necessary for determining SNAP eligibility are missing from the CPS ASEC data, we imputed some information to improve the model estimates of eligible households. We explain this estimation procedure below.

## **1. Simulating the composition of the SNAP household**

We simulated the formation of SNAP households within each CPS ASEC dwelling unit, following SNAP rules about which individuals must apply for SNAP together. Spouses living together must apply together for SNAP, and parents must apply together with their children younger than age 22 who reside with them, even if the children have spouses or children of their own. Beginning in 2015, the CPS ASEC began allowing spouses and unmarried partners to identify as opposite- or same-sex. In addition, all individuals who share living quarters and purchase and prepare food together must apply together. We assign every member of a CPS ASEC dwelling unit to a SNAP household, even members we later exclude as ineligible, as described below.

The CPS ASEC defines dwelling units according to shared living quarters but does not identify who applies for SNAP together. Therefore, we imputed SNAP household formation following the rules described previously. In most cases, we simulated all members of a dwelling unit as being in the same SNAP household; for the relatively small percentage of households with multiple families or unrelated individuals, however, we sometimes simulated two or more groups of people to form separate SNAP households. We did so according to patterns observed in our SIPP-based microsimulation model, which contained information on how dwelling unit members shared food expenses.

According to Federal SNAP eligibility criteria, certain groups of people are ineligible for SNAP. We simulate this ineligibility by excluding the following individuals from SNAP households:

- Simulated SSI recipients in California who were ineligible for SNAP because they received an additional State SSI cash supplement to be used for food<sup>10</sup>

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<sup>9</sup> For more information about the development of the 2020 and 2021 CPS ASEC public use entropy balance weights, please see Rothbaum and Bee, 2021.

<sup>10</sup> Because this policy ended in June 2019, we only simulate this ineligibility for FY 2019 and earlier years.

- Individuals living in group quarters
- Full-time postsecondary students who were age 18–49 and did not have a disability, TANF income, or children younger than age 6 (but not full-time postsecondary students who were married with children younger than age 12 or working at least 20 hours per week)
- Any individual living in a household headed by a member of the armed forces<sup>11</sup>
- Certain noncitizens, as described in Section A.2
- Certain adults age 18–49 without disabilities in childless households subject to work registration who had reached the time limit for receiving SNAP benefits, as described in Section A.2

To match household composition patterns in the SNAP QC data file more closely, our SNAP household formation methodology allowed a small number of child-only SNAP households to be headed by an older teen if that individual was not living with a parent and not related to the household head. We also ensured unmarried parents living together formed a single SNAP household with their children.

## **2. Identifying potentially eligible noncitizens and adults age 18–49 without disabilities in childless households**

The Personal Responsibility and Work Opportunity Reconciliation Act of 1996 (PRWORA) made most noncitizens ineligible for SNAP and required many adults age 18–49 without disabilities in childless households to work or face three-month time limits on receiving benefits. Subsequently, the Agricultural Research, Extension, and Education Reform Act of 1998 and the Farm Security and Rural Investment Act of 2002 restored SNAP eligibility to certain categories of lawfully present noncitizens based on their immigration status, length of time legally in the country, work status, age, disability status, and other criteria.

The American Recovery and Reinvestment Act of 2009 (ARRA) allowed States to suspend the time limits on nonworking adults age 18–49 without disabilities in childless households from April 2009 to September 2010. After September 2010, States that had an unemployment rate higher than 10 percent or did not have a sufficient number of jobs to provide employment were eligible to request further waivers of the time limits. In FY 2010, 47 States and the District of Columbia received a statewide waiver from the time limits. By February 2020, this number had dropped to 3 States, although many States continued to have partial waivers covering certain counties or cities in their States.<sup>12</sup> States can also provide discretionary exemptions for up to 15 percent of the State’s cases that are subject to the time limit. Further, adults potentially subject to the time limit are exempt if they participate in certain work activities.

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<sup>11</sup> We excluded all individuals living in households headed by members of the armed forces because limitations in the CPS ASEC do not allow us to determine which of these households would be eligible.

<sup>12</sup> The Families First Coronavirus Response Act of 2020 (FFCRA) temporarily and partially suspended the time limit for “able-bodied adults without dependents” participating in SNAP, beginning April 1, 2020. The FFCRA policy is not modeled in the pre-pandemic FY 2020 estimates because it took effect after that time period.

Because the CPS ASEC does not include all the information required to identify the noncitizens and adults age 18–49 without disabilities in childless households who were ineligible for SNAP, we made assumptions (detailed below) about how many and which of these individuals in our sample remained potentially eligible. To retain sample size, we implemented our eligibility assumptions for these populations through weighting adjustments. The weighting adjustments reflect the probability that a household of a certain composition is eligible for SNAP. Specifically, if a household had one noncitizen, we duplicated the record for that household. In the first copy of the record, we retained the noncitizen in the household and multiplied the household weight by the probability that the noncitizen was eligible for SNAP benefits. In the second copy, we excluded the noncitizen from the household and multiplied the household weight by the probability that the noncitizen was ineligible.

**a. Identifying potentially eligible noncitizens**

SNAP eligibility is limited to certain categories of lawfully present noncitizens, who are also subject to the same income and resource limits as regular participants. Unlawfully present noncitizens and noncitizen visitors, such as tourists, students, and those on a temporary work visa, are never eligible for SNAP. The following types of lawfully present noncitizens were eligible for SNAP during the time period covered by this report:

- Noncitizens who had lived legally in the United States for more than five years from their date of entry<sup>13</sup>
- Noncitizens receiving disability benefits, regardless of date of entry
- Noncitizen children younger than age 18, regardless of date of entry
- Noncitizens admitted as refugees or granted asylum or a stay of deportation
- Other groups of noncitizens, including active duty members of the U.S. armed forces, honorably discharged veterans, and dependents of service members and veterans

Some noncitizens are brought to the United States by a sponsor who has signed a legally binding agreement to provide the noncitizen with enough financial support so the noncitizen does not have to rely on public benefits, typically until the noncitizen has 40 quarters of work history or naturalizes. In most cases, when a noncitizen with a sponsor applies for SNAP, a portion of the sponsor's income and resources is deemed to the noncitizen, meaning the income and resources are considered available to the noncitizen and included when determining their eligibility and benefits. This deeming provision applies even if the sponsor receives SNAP. If the sponsor lives in the same household as the sponsored noncitizen, deeming does not apply because the sponsor's income and resources are already counted.

The CPS ASEC distinguishes between citizens and noncitizens but does not specify whether a noncitizen is in the United States lawfully. To simulate some noncitizens as unlawfully present,

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<sup>13</sup> Lawfully present noncitizens also could qualify for benefits by attaining 40 qualifying quarters of work, including work attained by the applicant's spouse (if attained when the applicant was married to the spouse) or parents (if the parents attained the quarters before the applicant turned 18). However, almost all of the individuals meeting the work requirement would also have met the five-year residency requirement.

and thus ineligible for SNAP, we randomly assigned unlawfully present immigration status according to estimates of the number of unlawfully present noncitizens in the CPS ASEC.<sup>14</sup> First, we estimated, by State, the probability that a noncitizen was unlawfully present. We defined the probability as the ratio of the estimated number of unlawfully present noncitizens age 18 or older to the total number of foreign-born noncitizens age 18–64 reported in the CPS ASEC. (Because there are very few elderly unlawfully present noncitizens, the numerator of the probability is essentially undocumented noncitizens age 18–64.)<sup>15</sup> We then applied the estimated probabilities to individuals age 18–64 in order to randomly select unlawfully present noncitizens. To improve the consistency of citizenship status within CPS ASEC households, we recoded as citizens all children who were reported to be noncitizens but were born after their mothers arrived in the United States.

We used CPS ASEC information on noncitizens' ages and years of arrival in the United States to identify those potentially eligible for SNAP, including qualified noncitizens who had been in the country for at least five years, were younger than age 18, or were receiving disability benefits. The CPS ASEC does not include data on whether a noncitizen was admitted as a refugee; to simulate eligibility for refugees, we randomly assigned refugee status by year of entry, according to estimates derived from United States Citizenship and Immigration Services data (Table D.4).

The CPS ASEC also does not include the information required to determine which noncitizens are subject to having a portion of their sponsor's income and resources deemed available and are thus likely either to be ineligible or choose to remove themselves from the SNAP household to avoid negative repercussions for their sponsor. Using data from the New Immigrant Survey, a nationally representative, multicohort, longitudinal study of new legal noncitizens and their children, we estimated that 26.4 percent of lawfully present nonrefugee noncitizens who had been in the country 5 to 10 years had a sponsor who was required to sign an affidavit of support, and lived in a household separate from at least one sponsor. To simulate the sponsor-deeming provisions, we randomly assigned 26.4 percent of noncitizens who had arrived after December 1997 and had been in the country for fewer than 10 years as subject to deeming from a sponsor (we used 10 years as an approximation of how long it would take to accumulate 40 quarters of work).

We excluded from the SNAP household those noncitizens who did not meet the eligibility requirements, were unlawfully present, or were subject to deeming. We assigned a prorated portion of excluded noncitizens' income to the SNAP household and included their resources in the household's countable resources.

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<sup>14</sup> We used Dr. Jeffrey Passel's unpublished estimates, prepared for the Pew Hispanic Center, of the number of unauthorized migrants included in the CPS ASEC supplements.

<sup>15</sup> Passel and Cohn (2009) estimated that only around 1 percent of unlawfully present noncitizens were age 65 or older.

**b. Identifying adults age 18–49 without disabilities in childless households subject to time limits**

Many working-age SNAP participants are required to register for work, with some exceptions. SNAP participants age 18–49 who are subject to work registration, living in a SNAP household without children, and not pregnant are restricted to three months of SNAP benefits in any 36-month period unless they (1) work or participate in an employment and training or other work program for at least 20 hours per week or (2) participate in a workfare program for the number of hours equivalent to their SNAP benefit divided by the minimum wage. They are exempt from the three-month time limit if they live in an area that has been approved for a waiver from the time limit because of high unemployment or insufficient jobs (a waiver area). States can also provide discretionary exemptions for up to 15 percent of the State’s cases who are subject to the time limit.

We identified adults age 18–49 without disabilities in childless households by examining basic demographic characteristics in the CPS ASEC. Because it is not possible to determine from the CPS ASEC which of these individuals were ineligible because of time limits, we randomly assigned a percentage of them to be eligible based on estimates of the eligible proportion in each State. We estimated the proportion that had received no more than three months of benefits while not working, with separate estimates for individuals who participated in SNAP in the past year and those who did not, based on SIPP data. We estimated the proportions eligible because of residence in a waiver area, participation in an employment and training program, or receipt of the 15 percent exemption based on Federal and State administrative data and, in the case of waiver areas, American Community Survey (ACS) data. Table D.5 presents the percentage of adults age 18–49 without disabilities in childless households imputed to be eligible, by State, year, and past-year participant status.

**3. Simulating SSI and TANF receipt**

Because the CPS ASEC underreports SSI and TANF, we simulated SSI and TANF eligibility, participation, and benefits based on program rules and the most recently available administrative data.<sup>16</sup> We imputed resource eligibility for SSI and TANF using equations estimated from our 2011 SIPP-based microsimulation model. We calibrated SSI receipt to administrative totals in the Social Security Administration (SSA) statistical report, using SSA data for December 2020 for the FY 2020 estimates. We calibrated TANF receipt to administrative totals in the Administration for Children and Families (ACF) data file, using FY 2020 ACF data for the FY 2020 estimates. We adjusted the ACF data so that estimates in the ACF file of TANF households with SNAP were consistent with estimates in the SNAP QC data file of SNAP households with TANF.

**4. Categorically eligible SNAP households**

Certain households are categorically eligible for SNAP and not subject to Federal income or resource limits. A household is categorically eligible if it is pure PA, meaning that all of its members receive SSI, TANF cash benefits, or, where provided, GA. In addition, States are required to confer categorical eligibility on SNAP households receiving benefits or services at

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<sup>16</sup> Simulated SSI and TANF program rules are available upon request.

least 50 percent funded by TANF or Maintenance of Effort (MOE) funds. States have the option of conferring categorical eligibility on SNAP households receiving benefits or services less than 50 percent funded by TANF or MOE funds. They can also confer categorical eligibility on SNAP households in which one member receives the benefit or service when the State determines that the whole household would benefit.

Many States have broad TANF or MOE-funded programs that provide a simple service or noncash benefit—a brochure on domestic violence, for example—to confer categorical eligibility on a large number of households. These programs are known as broad-based categorical eligibility (BBCE) policies. Forty States had BBCE policies in FY 2016 and FY 2017. One State, Indiana, implemented BBCE in January 2018, increasing the total number of States with BBCE policies to 41 in FY 2018. When one State, Mississippi, ended its policy in July 2019, the number dropped back to 40 and remained there through pre-pandemic FY 2020. These totals include the District of Columbia, but exclude Guam and the Virgin Islands.

States have some flexibility in setting the eligibility criteria for the TANF or MOE-funded noncash benefit. Some States with BBCE policies retained the Federal SNAP gross income limit for households without an elderly member or a member with a disability, whereas others raised the gross income limit for those households to between 160 and 200 percent of the poverty guidelines. Most States with BBCE policies have eliminated the net income test—though participants must still qualify for a positive benefit—and have eliminated or relaxed the resource test. Instead of, or in addition to, BBCE policies, some States have smaller TANF or MOE-funded programs, such as job training or after-school programs, which have specific eligibility requirements and confer categorical eligibility on only the small number of households they serve.

We used simulated TANF and SSI receipt, along with reported GA receipt, to identify pure PA households in the CPS ASEC. Those that qualified for a positive SNAP benefit were included in the denominator of the participation rates presented in this report. We did not include other categorically eligible households that were not eligible under SNAP Federal income and resource rules.

## **5. Determining income eligibility**

To be included in the participation rates presented in this report, most SNAP households must have had income at or below Federal income limits. Pure PA households are not subject to the SNAP income limits. A SNAP household that does not contain an elderly member or a member with a disability must have gross monthly income at or below 130 percent of the Federal poverty guidelines. A household with an elderly member or a member with a disability is not subject to the gross income standard. All households that are not pure PA must have net monthly income at or below 100 percent of the Federal poverty guidelines. The FY 2020 maximum allowable gross and net monthly income standards are available in Table D.7, and corresponding values for previous years are available in Appendix G.

Simply dividing annual income by 12 would underestimate the number of eligible individuals in any given month. Therefore, to estimate monthly income, we distributed the annual income amounts reported in the CPS ASEC to simulated months based on the number of weeks worked as reported in the CPS ASEC, income receipt shown by SIPP data, and U.S.

Bureau of Labor Statistics (BLS) data on employment and unemployment spells. We then summed the estimated monthly income for each person in the household to determine the SNAP household's gross income for each month. For the FY 2020 report, we allocated income over the full fiscal year prior to restricting the data to the pre-pandemic period.

The CPS ASEC does not include information on the expenses deducted from gross income to compute net income, so we modeled net income as a function of the household's demographic and economic characteristics for each year. The net income model for the estimates in this report was based on patterns observed in our SIPP-based microsimulation model. The estimated relationships (the regression coefficients) are available in Table D.6.

## **6. Determining resource eligibility**

To be included in the participation rates presented in this report, SNAP households that were not pure PA must have had countable resources at or below the applicable SNAP resource limit. In FY 2016 and FY 2017, the resource limit was \$3,250 for households with an elderly member or a member with a disability. The resource limit for these households increased to \$3,500 beginning in FY 2018. Households that did not have an elderly member or a member with a disability faced a resource limit of \$2,250 during the full FY 2016 through FY 2020 time period.

Under Federal vehicle rules, vehicles with equity of less than \$1,500 or vehicles used as a home or to produce income, transport a disabled household member, or carry fuel or water are excluded from the resource test. In addition, one vehicle per adult household member, and any vehicle used by a minor household member to drive to work, school, or training, are each counted at the fair market value in excess of \$4,650. Remaining vehicles are valued at the vehicle's fair market value in excess of \$4,650 or equity, whichever is higher.

States can align their SNAP vehicle rules with those from a TANF or MOE-funded assistance program as long as the rules are less restrictive than Federal SNAP vehicle rules. In FY 2020, almost all States had aligned their vehicle rules with those of other programs, and more than half had adopted rules that exclude all vehicles from the resource test.

Because resource balances are not reported in the CPS ASEC, we used equations estimated from our 2011 SIPP-based microsimulation model to impute the probability that income-eligible households subject to the resource test were resource eligible and thus fully eligible. For pre-pandemic FY 2020, we simulated 28 States and the District of Columbia as excluding the value of all vehicles when determining resources, and all States except Delaware, North Dakota, and Washington as excluding some or all of the value of at least one vehicle per household. We modeled nine different vehicle rules to fully capture State-level differences. Because we did not include in the participation rate categorically eligible households not otherwise eligible under SNAP Federal income and resource rules or through receipt of pure PA, the vehicle rules we modeled reflected those used for non-BBCE households in each State.

## **7. Determining SNAP benefit amount**

Monthly SNAP benefits for eligible households are calculated by subtracting 30 percent of a household's net income from the maximum benefit amount to which it is entitled. If a household has zero net income, it receives the maximum SNAP benefit. Eligible one- and two-person



households are guaranteed at least a minimum benefit. SNAP maximum benefits are based on 100 percent of the cost of the Thrifty Food Plan for a family of four in June of the previous fiscal year, adjusted for household size and geographic areas outside of the contiguous United States. The FY 2020 maximum and minimum SNAP benefit amounts are available in Table D.8, and corresponding values for previous years are available in Appendix G.

## **B. Determining the number of SNAP participants**

For the participation rate numerator, we typically use the average monthly number of participants eligible under Federal income and resource rules across the 12 months in the fiscal year. Because the CPS ASEC underreports SNAP participation, we estimated the numerator from SNAP QC data files. These files are edited versions of the raw data file generated by the SNAP Quality Control System and contain data on the demographic and economic characteristics of a sample of participating households. We based estimates of SNAP participants in FY 2020 on the pre-pandemic FY 2020 SNAP QC data file and derived estimates for previous years from full fiscal year data for those years. Table D.9 shows sample sizes.

We weighted the SNAP QC data files to match adjusted Program Operations counts of individuals and households that were issued SNAP benefits and the total dollar value of these benefits in each month. We adjusted them to exclude temporary disaster benefits issued in response to Major Disaster Declarations with Individual Assistance and benefits issued to individuals found to be ineligible because those groups are not represented in the edited SNAP QC data file. We used data from USDA to determine the numbers of households and individuals who received temporary disaster benefits, the amounts of temporary disaster benefits issued to those households, and the amounts of supplemental disaster benefits issued to existing SNAP participants. We reduced the Program Operations counts by the disaster-related counts in the months and States in which the disaster relief occurred.<sup>17</sup>

To adjust the Program Operations counts for benefits issued in error, we first used the raw unweighted SNAP QC data file to calculate disqualification rates for households, individuals, and benefits, and then reduced the Program Operations counts by those percentages, by State and month. The household disqualification rate is the percentage of all participating households that are either ineligible or eligible but do not qualify for a positive benefit. The individual disqualification rate is the percentage of all participants in households not eligible for a positive benefit.<sup>18</sup> The benefit disqualification rate is slightly more complex—it considers over- and under-issuances to eligible households as well as benefits issued to disqualified households.

We removed households in Guam and the Virgin Islands from the participation rate numerator because they are not included in the CPS ASEC. We describe the procedure for estimating the number and characteristics of SNAP participants eligible under Federal income and resource rules below.

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<sup>17</sup> In the FY 2020 pre-pandemic months, no households received temporary benefits through the Disaster Supplemental Nutrition Assistance Program.

<sup>18</sup> The individual disqualification rate in pre-pandemic FY 2020 was 2.4 percent (about 903,000 ineligible participants).

## **1. Predicting the resource ineligibility under Federal rules of some households eligible for SNAP through State BBCE policies**

We were able to identify and remove from the participation rate numerator categorically eligible households that had income higher than the Federal income limits. However, QC reviewers do not collect data on resources from households not subject to the resource test, so we could not directly identify and remove from the numerator categorically eligible households with resources higher than the Federal resource limit. Instead, we used a regression equation to predict the probability that households that met the Federal income guidelines and were not pure PA would fail the SNAP Federal resource test, and removed them from the numerator. We estimated the equation using our 2011 SIPP-based microsimulation model and households simulated to participate in SNAP.

In pre-pandemic FY 2020, we removed 1.8 million individuals in households with incomes that exceeded the Federal SNAP income limits and an additional 1.6 million in income-eligible households that we estimated would fail the Federal SNAP resource test from the participation rate numerator. In total, we estimated that 3.4 million participants, or 9 percent of total participants, were eligible through BBCE policies and would not otherwise have been eligible for SNAP in pre-pandemic FY 2020. We did not include these individuals in the participation rates.

## **2. Identifying pure PA participating SNAP households**

The SNAP QC data file provides individual-level data on receipt of an SSI, TANF, or GA benefit. Whereas an SSI or GA benefit is generally for the person who receives it, TANF benefits may cover additional family members. Because the SNAP QC data do not identify which additional household members are covered by a TANF benefit received by a household member, we used an algorithm to determine program coverage as follows:

- TANF received by the household head or the head's spouse covers the household head, spouse, and children (as identified by the relationship codes and ages).
- TANF received by a child of the household head covers that child and other relatives.
- In child-only households, TANF received by anyone in the household covers all of the children.

We identified a household as pure PA if all members were covered by TANF, SSI, or GA or if it had TANF income and all adults were covered by TANF, SSI, or GA. Although pure PA households are categorically eligible for SNAP and thus exempt from the income and resource tests, they still had to qualify for a positive SNAP benefit to be counted as participating. We included participating pure PA households in the rate numerator.

## **3. Identifying SNAP household composition**

Certain disqualified household members cannot be identified in the CPS ASEC data. Possible reasons for a household member to be disqualified include:

- Not paying child support or cooperating with a child support agency
- Being an ineligible striker

- Violating program rules or failing to meet work requirements
- Being a fleeing felon, parole or probation violator, or convicted drug felon
- Having a disqualified Social Security number
- Some other unknown reason

To account for the presence of disqualified household members in the participation rate denominator, we adjusted the composition of participating households in the numerator. For example, we categorized a dwelling unit with two children in the SNAP household and an adult outside of the SNAP household who was disqualified for not meeting work requirements as a single adult with children rather than a child-only SNAP household. We did not include disqualified members considered for household composition purposes in counts of participants.

For this adjustment, we considered only disqualified SNAP household members whom we could not identify in the CPS ASEC and remove from the denominator. Disqualified SNAP household members whom we were able to identify in the CPS ASEC data remained excluded from consideration when defining household composition for the numerator. For example, a SNAP household with an eligible citizen child inside and an ineligible noncitizen adult outside of it was still considered a child-only SNAP household.

### **C. Calculating SNAP participation rates**

We calculated participation rates by dividing the estimated number of participants by the estimated number of eligible individuals. SNAP participation rates for pre-pandemic FY 2020, along with the numbers of participants and eligible individuals used to calculate them, are available in Appendix A. SNAP participation rates for FY 2016 to pre-pandemic FY 2020 are available in Appendix B.

### **D. Differences between the CPS ASEC and SNAP QC data**

Using different data sources to estimate participation rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic that are lower than the corresponding estimates of participants. When this happens, estimated participation rates exceed 100 percent. This situation is particularly likely to occur when there are substantial differences between the two data sources.

Differences between the SNAP QC data and the CPS ASEC that might cause rates exceeding 100 percent include (1) who is represented in the data, (2) data on household composition, (3) when and how income is reported, and (4) reported program participation. We describe these differences here.

**Differences in who is represented in the data.** The universe for the participant estimates based on the SNAP QC data is slightly different than that for the eligibility estimates based on the CPS ASEC. For example, homeless individuals, those in group quarters, and some members of the armed forces and their families are included in the SNAP QC data but are not captured in the CPS ASEC. In addition, the CPS ASEC includes individuals who are categorically ineligible for SNAP (such as intentional program violators) but does not contain sufficient information to identify and remove them from the rate denominator. The SNAP QC data, appropriately, do not

include categorically ineligible individuals.<sup>19</sup> Finally, certain subgroups in the SNAP QC file or the CPS ASEC could be either over- or underrepresented because of sampling or weighting methods.

**Differences in data on household composition.** The SNAP QC file includes information on who applies together for SNAP (the SNAP household), but the file does not contain information on individuals who live in the same dwelling unit that are not part of the SNAP household. Conversely, the CPS ASEC includes information on all individuals in the dwelling unit but not on how these individuals would form SNAP households. To handle the CPS ASEC limitations, we simulated SNAP household formation in those data (described in Section A.1). The SNAP QC limitations, however, meant we could not use data on actual SNAP household formation to develop the simulation. Furthermore, differences between the simulated CPS ASEC and actual SNAP QC SNAP household compositions could have affected subgroup participation rates. For instance, the estimated FY 2020 participation rate during the pre-pandemic period for SNAP households consisting of one adult and one or more children was higher than 100 percent, implying an underestimation of how often this type of eligible SNAP household was formed.

In addition, the time period represented by the SNAP household composition could differ between the two data sets. For example, the SNAP QC data might not capture household composition changes that occur between the certification and sampling dates. Similarly, although the CPS ASEC provides information on household composition at the time of the interview, changes could occur after the calendar year (the CPS ASEC income reporting period) but before the interview date in February, March, or April of the next calendar year.

**Differences in reported income.** There are several differences in how income is reported in the SNAP QC file versus the CPS ASEC. Two that directly affect the estimation of participation rates are the income reporting period and how income is counted. The SNAP QC file uses a monthly income reporting period, whereas the CPS records annual income. The monthly income estimation process we applied to the CPS ASEC data, described in Section A.5, aims to minimize the resulting inconsistencies, but the results likely differ from actual monthly income.

In addition, the SNAP QC file and the CPS ASEC use different methods of counting income. For the SNAP QC sample, countable income is measured according to SNAP certification rules and procedures (for example, pertaining to anticipating income, prospective budgeting, and change reporting). It is reasonable to expect these amounts to differ from those in the CPS ASEC, which are based on households' reports of income they received in the previous year.

**Differences in reported program participation.** The SNAP QC file includes high quality information on income received by SNAP households from other government programs, such as SSI and TANF. In the CPS ASEC, however, participation in those programs is underreported, so we simulated SSI and TANF eligibility, participation, and benefits as described in Section A. The SSI administrative data we used for calibration are available only on an annual basis and for a single month (December). Furthermore, the TANF data we used for calibration are typically for

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<sup>19</sup> In Section B.3 of this appendix, we describe a method we used to lessen the impact of this difference.

the previous fiscal year. For these and other reasons, estimates of eligible individuals receiving SSI or TANF benefits are not entirely consistent with corresponding estimates of participants.

**Table D.1. Unweighted sample sizes for the CPS ASEC, 1977 to 2021**

| CPS ASEC year | All households | Analysis year(s) |
|---------------|----------------|------------------|
| 1977          | 68,294         | 1976             |
| 1979          | 68,455         | 1978             |
| 1981          | 81,451         | 1980             |
| 1983          | 73,195         | 1982             |
| 1985          | 74,568         | 1984             |
| 1987          | 73,843         | 1986             |
| 1989          | 70,454         | 1988             |
| 1991          | 75,076         | 1990             |
| 1992          | 74,236         | 1991             |
| 1993          | 73,878         | 1992             |
| 1994          | 73,126         | 1993             |
| 1995          | 72,152         | 1994             |
| 1996          | 63,339         | 1995             |
| 1997          | 64,046         | 1996             |
| 1998          | 64,659         | 1997             |
| 1999          | 65,377         | 1998             |
| 2000          | 51,016         | 1999             |
| 2001          | 78,054         | 2000             |
| 2002          | 78,265         | 2001, 2002       |
| 2003          | 78,310         | 2002, 2003       |
| 2004          | 77,149         | 2003, 2004       |
| 2005          | 76,447         | 2004, 2005       |
| 2006          | 75,939         | 2005, 2006       |
| 2007          | 75,477         | 2006, 2007       |
| 2008          | 75,872         | 2007, 2008       |
| 2009          | 76,185         | 2008, 2009       |
| 2010          | 76,260         | 2009, 2010       |
| 2011          | 75,188         | 2010, 2011       |
| 2012          | 74,383         | 2011, 2012       |
| 2013          | 74,821         | 2012, 2013       |
| 2014          | 74,170         | 2013, 2014       |
| 2015          | 74,257         | 2014, 2015       |
| 2016          | 69,484         | 2015, 2016       |
| 2017          | 69,957         | 2016, 2017       |
| 2018          | 67,909         | 2017, 2018       |
| 2019          | 68,345         | 2018, 2019       |
| 2020          | 60,460         | 2019             |
| 2021          | 62,850         | 2019, 2020       |

**Table D.2. Median monthly unweighted counts of households, by the probability of being eligible, pre-pandemic FY 2020**

|                                                                   | Unweighted counts |
|-------------------------------------------------------------------|-------------------|
| All households <sup>a</sup>                                       | 59,418            |
| Households with a probability of being eligible greater than zero | 11,491            |
| Total                                                             |                   |
| Probability of being eligible                                     |                   |
| Greater than 0.0 to 0.25                                          | 786               |
| Greater than 0.25 to 0.50                                         | 358               |
| Greater than 0.50 to 0.75                                         | 1,787             |
| Greater than 0.75 to less than 1.00                               | 6,507             |
| 1.00                                                              | 2,053             |

Notes: Estimates in this table reflect median monthly numbers of CPS households. We calculate a household's probability of being eligible for SNAP benefits by determining whether it passes the appropriate income tests and then estimating the probability of it passing the resource test. In dwelling units with multiple SNAP households, the probabilities of each household are combined into one dwelling unit probability. We multiply the final probability of being eligible by the weight to determine the household's contribution to the total (weighted) number of eligible households.

<sup>a</sup> This count of unweighted households is lower than that presented in Table D.1 because it includes only dwelling units that have potentially eligible individuals. Excluded from the table are dwelling units that contain only undocumented noncitizens, full-time students, and those living in group quarters or in dwelling units headed by a member of the armed forces.

**Table D.3. Changes in the CPS ASEC over time**

| CPS ASEC year | Data year | Changes in design or weighting from previous year                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1979          | 1978      | Changes in metro/nonmetro definitions; new, more detailed income questions introduced for two rotation groups                                                                                                                                                                                                                                                                                                                           |
| 1980          | 1979      | Definition of adult changed from age 14 to 15; new concept of families and headship status; new income questions introduced for all rotation groups                                                                                                                                                                                                                                                                                     |
| 1981          | 1980      | New weighting procedure based on 1980 Census introduced that increased the overall population by 2.3 percent and had a disproportionate impact on Hispanics                                                                                                                                                                                                                                                                             |
| 1982          | 1981      | Top-coding of single-employer earnings variables increased from \$50,000 to \$75,000                                                                                                                                                                                                                                                                                                                                                    |
| 1983          | 1982      | New industry and occupation coding; new definition of group quarters; poverty index modified slightly (deleting the farm/nonfarm dimension)                                                                                                                                                                                                                                                                                             |
| 1984          | 1983      | A second (unofficial) version of the file introduced the revised weighting procedure developed for the March 1985 CPS                                                                                                                                                                                                                                                                                                                   |
| 1985          | 1984      | Revised weighting procedures (specifically, the control on Hispanics changed, causing a slight increase in poverty with disproportionate impacts on the Hispanic population, male unrelated individuals, and individuals in related subfamilies); changes in the designation of metro/nonmetro, farm/nonfarm, central city/noncentral city status, top-coding of single-employer earnings variables increased from \$75,000 to \$99,999 |
| 1986          | 1985      | More metro/nonmetro changes                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1987–1988     | 1986–1987 | None                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1989          | 1988      | Revised processing procedures increased income overall and reduced poverty; poverty rate changed more severely for Blacks and selected age ranges                                                                                                                                                                                                                                                                                       |
| 1990–1992     | 1989–1991 | None                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1993          | 1992      | New population controls based on 1990 census and adjustments for the census undercount increased the poverty population; largest increases in poverty rates for Hispanic families, families with single female householders, White children, and individuals in unrelated subfamilies                                                                                                                                                   |
| 1994          | 1993      | Survey redesigned to improve the measurement of labor force concepts and wording of questions and to implement a computerized questionnaire                                                                                                                                                                                                                                                                                             |
| 1995          | 1994      | None                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1996          | 1995      | Sample reduction; revised earnings top-coding (instead of top-coding single-employer earnings variables at 99,999, top-coded records were assigned the mean earnings for top-coded individuals with similar characteristics); revised race edit and allocation (caution urged when comparing 1995 and 1996 data on race groups)                                                                                                         |
| 1997–1999     | 1996–1998 | None                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2000          | 1999      | Rewighted based on Census 2000                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2001          | 2000      | Rewighted based on Census 2000, expanded sample size                                                                                                                                                                                                                                                                                                                                                                                    |
| 2002          | 2001      | Weights based on Census 2000                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2003          | 2002      | Expanded racial categories                                                                                                                                                                                                                                                                                                                                                                                                              |
| 2004–2009     | 2003–2008 | None                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2010          | 2009      | Replicate weights added to the file, retroactive to 2005                                                                                                                                                                                                                                                                                                                                                                                |
| 2011–2013     | 2010–2012 | None                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2014          | 2013      | About three-eighths of the sample received redesigned income questions; objectives of redesigning income questions were to improve income reporting, include income from resources, improve resource reporting, increase response rates, and reduce errors resulting from respondent fatigue                                                                                                                                            |
| 2015          | 2014      | Full sample received the redesigned income questions introduced in 2014                                                                                                                                                                                                                                                                                                                                                                 |



**Table D.3. (continued)**

| CPS ASEC year | Data year | Changes in design or weighting from previous year                                                                                                                                                     |
|---------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2016–2018     | 2015–2017 | None                                                                                                                                                                                                  |
| 2019          | 2018      | Changes to family structure to identify spouses and unmarried partners as opposite- or same-sex; revised processing procedures implemented that affect income, poverty, and health insurance measures |
| 2020          | 2019      | Alternate public use entropy balance weights developed to account for survey nonresponse bias as a result of the COVID-19 pandemic.                                                                   |
| 2021          | 2020      | Revised public use entropy balance weights developed for 2020 and 2021 CPS ASECs.                                                                                                                     |

Note: Each CPS ASEC year corresponds to the preceding data year.

**Table D.4. Percentage of noncitizens imputed to be refugees, by analysis year and year of arrival**

| Year of arrival | Percentage imputed to be refugees, by analysis year |         |         |         |         |
|-----------------|-----------------------------------------------------|---------|---------|---------|---------|
|                 | FY 2016                                             | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
| 2020            | n.a.                                                | n.a.    | n.a.    | n.a.    | 8       |
| 2019            | n.a.                                                | n.a.    | n.a.    | 7       | 8       |
| 2018            | n.a.                                                | n.a.    | 9       | 7       | 8       |
| 2017            | n.a.                                                | 10      | 9       | 9       | 9       |
| 2016            | 11                                                  | 11      | 11      | 9       | 9       |
| 2015            | 11                                                  | 11      | 11      | 11      | 11      |
| 2014            | 11                                                  | 11      | 11      | 11      | n.a.    |
| 2013            | 11                                                  | 11      | 11      | n.a.    | n.a.    |
| 2012            | 11                                                  | 11      | n.a.    | n.a.    | n.a.    |
| 2011            | 10                                                  | n.a.    | n.a.    | n.a.    | n.a.    |

Note: The CPS ASEC identifies a two- to three-year range for year of arrival in the United States. Refugee status is not imputed for noncitizens meeting the five-year residency requirement.

n.a. = not applicable.

**Table D.5. Percentage of adults age 18–49 without disabilities in childless households imputed to be potentially eligible, by SNAP participation in past year**

|                | Percentage imputed to be eligible (participant / nonparticipant) |             |             |             | Pre-pandemic<br>FY 2020 |
|----------------|------------------------------------------------------------------|-------------|-------------|-------------|-------------------------|
|                | FY 2016                                                          | FY 2017     | FY 2018     | FY 2019     |                         |
| Alabama        | 64.3 / 73.8                                                      | 61.7 / 71.9 | 61.7 / 71.9 | 61.8 / 71.9 | 61.8 / 71.9             |
| Alaska         | 100                                                              | 100         | 100         | 100         | 69.8 / 77.8             |
| Arizona        | 81.2 / 86.2                                                      | 74.3 / 81.2 | 73.9 / 80.8 | 73.7 / 80.7 | 73.7 / 80.7             |
| California     | 100                                                              | 100         | 100         | 96.1 / 97.1 | 96.1 / 97.1             |
| Connecticut    | 91.7 / 93.9                                                      | 93.4 / 95.1 | 91.4 / 93.7 | 91.3 / 93.6 | 91.3 / 93.6             |
| Florida        | 61.7 / 71.9                                                      | 62.0 / 72.1 | 61.9 / 72.0 | 61.8 / 72.0 | 61.8 / 72.0             |
| Georgia        | 94.0 / 95.6                                                      | 89.0 / 91.9 | 77.3 / 83.4 | 90.3 / 92.9 | 82.3 / 87.0             |
| Hawaii         | 62.7 / 72.6                                                      | 62.5 / 72.5 | 62.5 / 72.5 | 62.4 / 72.4 | 62.3 / 72.4             |
| Idaho          | 67.4 / 76.1                                                      | 67.2 / 75.9 | 67.3 / 76.0 | 66.1 / 75.1 | 66.2 / 75.2             |
| Illinois       | 100                                                              | 100         | 98.5 / 98.9 | 98.7 / 99.0 | 98.7 / 99.0             |
| Indiana        | 61.8 / 72.0                                                      | 61.8 / 71.9 | 61.7 / 71.9 | 61.7 / 71.9 | 61.8 / 71.9             |
| Iowa           | 61.7 / 71.9                                                      | 61.7 / 71.9 | 61.7 / 71.9 | 61.7 / 71.9 | 61.7 / 71.9             |
| Kansas         | 61.8 / 72.0                                                      | 61.8 / 72.0 | 61.8 / 72.0 | 61.8 / 71.9 | 61.8 / 72.0             |
| Kentucky       | 85.6 / 89.4                                                      | 85.5 / 89.4 | 70.6 / 78.4 | 64.5 / 74.0 | 64.5 / 74.0             |
| Maine          | 61.7 / 71.9                                                      | 61.7 / 71.9 | 61.7 / 71.9 | 62.0 / 72.1 | 68.8 / 77.1             |
| Maryland       | 74.8 / 81.5                                                      | 74.9 / 81.6 | 74.7 / 81.4 | 74.4 / 81.2 | 74.4 / 81.2             |
| Michigan       | 100                                                              | 93.0 / 94.9 | 88.2 / 91.3 | 80.7 / 85.8 | 80.7 / 85.8             |
| Minnesota      | 63.3 / 73.1                                                      | 65.3 / 74.5 | 69.7 / 77.8 | 70.5 / 78.4 | 68.3 / 76.7             |
| Mississippi    | 63.2 / 73.0                                                      | 64.1 / 73.7 | 62.3 / 72.3 | 62.1 / 72.2 | 62.0 / 72.1             |
| Missouri       | 61.9 / 72.1                                                      | 100         | 61.7 / 71.9 | 61.8 / 71.9 | 61.8 / 71.9             |
| Montana        | 71.7 / 79.2                                                      | 74.1 / 81.0 | 75.7 / 82.2 | 79.9 / 85.3 | 79.9 / 85.3             |
| Nebraska       | 61.8 / 72.0                                                      | 62.1 / 72.2 | 62.1 / 72.2 | 62.0 / 72.1 | 61.8 / 72.0             |
| Nevada         | 100                                                              | 100         | 100         | 94.8 / 96.2 | 94.8 / 96.2             |
| New Hampshire  | 62.0 / 72.1                                                      | 62.1 / 72.2 | 62.0 / 72.1 | 62.0 / 72.1 | 61.8 / 71.9             |
| New Jersey     | 92.2 / 94.3                                                      | 64.9 / 74.2 | 83.1 / 87.6 | 83.1 / 87.6 | 84.1 / 88.4             |
| North Carolina | 81.2 / 86.2                                                      | 61.7 / 71.9 | 61.7 / 71.9 | 61.9 / 72.0 | 61.7 / 71.9             |
| North Dakota   | 65.1 / 74.4                                                      | 65.3 / 74.5 | 65.6 / 74.7 | 65.5 / 74.7 | 66.4 / 75.3             |
| Ohio           | 68.4 / 76.8                                                      | 65.2 / 74.5 | 68.1 / 76.6 | 76.8 / 83.0 | 80.8 / 85.9             |
| Oklahoma       | 61.8 / 72.0                                                      | 61.8 / 72.0 | 61.8 / 72.0 | 61.8 / 72.0 | 61.8 / 71.9             |
| Pennsylvania   | 80.3 / 85.5                                                      | 85.1 / 89.0 | 91.4 / 93.7 | 96.5 / 97.4 | 96.5 / 97.4             |
| Rhode Island   | 100                                                              | 100         | 99.2 / 99.4 | 95.0 / 96.3 | 87.4 / 90.8             |
| South Carolina | 80.9 / 86                                                        | 61.8 / 71.9 | 61.8 / 71.9 | 61.7 / 71.9 | 61.8 / 71.9             |
| Tennessee      | 91.0 / 93.4                                                      | 90.8 / 93.2 | 64.1 / 73.7 | 64.2 / 73.8 | 62.7 / 72.7             |
| Utah           | 62.4 / 72.4                                                      | 62.8 / 72.7 | 62.8 / 72.7 | 62.1 / 72.2 | 62.1 / 72.2             |
| West Virginia  | 86.2 / 89.9                                                      | 86.2 / 89.9 | 95.2 / 96.4 | 83.3 / 87.8 | 83.3 / 87.8             |
| Wyoming        | 61.7 / 71.9                                                      | 61.7 / 71.9 | 61.8 / 72.0 | 61.7 / 71.9 | 61.7 / 71.9             |

Notes: This table shows the percentage of people subject to a time limit that we impute to be potentially eligible for SNAP because they had received no more than three months of benefits while not working, lived in a waiver area, participated in an employment and training program, or received a State exemption.

States not listed here are those in which 100 percent of adults age 18–49 without disabilities in childless households were imputed to be eligible. These States either obtained permission to suspend time limits Statewide or pledged to make employment and training opportunities available to every participant facing time limits.

**Table D.6. SNAP net income regression coefficients**

| Explanatory variable                                     | Coefficients estimated using<br>administrative data for: |                              |                              |
|----------------------------------------------------------|----------------------------------------------------------|------------------------------|------------------------------|
|                                                          | FY 2019A                                                 | FY2019B                      | Pre-pandemic<br>FY2020       |
| Constant                                                 | -606.4395†<br>(55.41399)                                 | -582.4409†<br>(53.75127)     | -590.5508†<br>(52.45186)     |
| Gross income minus standard and earned income deductions | 0.2474361<br>(0.3281195)                                 | 0.3106308<br>(0.3270299)     | 0.2920125<br>(0.3111952)     |
| Amount of earned income                                  | -0.1423303†<br>(0.0656409)                               | -0.1297203†<br>(0.0654197)   | -0.1325549†<br>(0.0622562)   |
| Received TANF income                                     | -198.4082<br>(130.3313)                                  | -235.6959<br>(130.1828)      | -236.542<br>(130.832)        |
| Amount of TANF income                                    | 0.4134119<br>(0.2177062)                                 | 0.4532798†<br>(0.2171444)    | 0.4498303†<br>(0.2184103)    |
| Amount of TANF income squared                            | -0.0004642†<br>(0.0002347)                               | -0.0005526†<br>(0.0002342)   | -0.0005511†<br>(0.0002354)   |
| Number of TANF units in SNAP unit                        | 136.7288<br>(114.6932)                                   | 168.7007<br>(114.6209)       | 171.047<br>(115.1426)        |
| Did not receive SSI income                               | 7.725473<br>(31.88313)                                   | -3.501706<br>(30.17671)      | -1.998799<br>(30.22968)      |
| Amount of SSI income                                     | 0.0106833<br>(0.0324455)                                 | 0.0238596<br>(0.0282709)     | 0.023764<br>(0.02839)        |
| Amount of SSI income squared                             | -0.00000952<br>(0.0000165)                               | -0.00000828<br>(0.0000141)   | -0.00000842<br>(0.0000141)   |
| Received maximum monthly SSI benefit for one person      | -5.240301<br>(16.30695)                                  | -14.09118<br>(15.35973)      | -11.94326<br>(15.37805)      |
| Member younger than age 60 and receiving SSI             | 50.01965†<br>(8.517357)                                  | 48.2795†<br>(8.418526)       | 49.09351†<br>(8.369453)      |
| Member age 60 or older and receiving SSI                 | -7.16778<br>(10.26636)                                   | -6.138411<br>(10.07229)      | -5.190113<br>(10.01322)      |
| Number of SSI units in SNAP unit                         | 33.52493<br>(29.63501)                                   | 25.03163<br>(27.87656)       | 26.1467<br>(27.97421)        |
| Amount of interest income                                | -0.1240714†<br>(0.0279555)                               | -0.1256135†<br>(0.0279357)   | -0.1228738†<br>(0.0274067)   |
| Amount of dividend income                                | -0.0354985<br>(0.0190679)                                | -0.0366766<br>(0.0190548)    | -0.0332484<br>(0.0184017)    |
| Amount of rental income                                  | -0.0301196<br>(0.0194693)                                | -0.0306006<br>(0.019458)     | -0.0290262<br>(0.0187872)    |
| Amount of gross income                                   | 0.8063253†<br>(0.3317133)                                | 0.7411578†<br>(0.3305955)    | 0.7561738†<br>(0.3147789)    |
| Amount of gross income squared                           | -0.00000391†<br>(0.00000104)                             | -0.00000374†<br>(0.00000104) | -0.00000363†<br>(0.00000101) |
| Gross income between \$101 and \$200                     | 221.4659†<br>(34.65666)                                  | 217.8741†<br>(34.08604)      | 222.8086†<br>(34.72309)      |
| Gross income between \$201 and \$300                     | 188.112†<br>(25.18214)                                   | 184.2679†<br>(25.26037)      | 189.5785†<br>(25.30797)      |

Table D.6. (continued)

| Explanatory variable                                         | Coefficients estimated using<br>administrative data for: |                          |                          |
|--------------------------------------------------------------|----------------------------------------------------------|--------------------------|--------------------------|
|                                                              | FY 2019A                                                 | FY2019B                  | Pre-pandemic<br>FY2020   |
| Gross income between \$301 and \$400                         | 105.6554†<br>(20.92976)                                  | 101.8672†<br>(21.21482)  | 107.0585†<br>(21.1958)   |
| Gross income between \$401 and \$500                         | 65.88038†<br>(20.85674)                                  | 63.39367†<br>(20.9039)   | 66.75797†<br>(21.00937)  |
| Gross income as percentage of poverty guidelines             | 0.1418052<br>(0.2820682)                                 | 0.1671069<br>(0.2811787) | 0.2438584<br>(0.2829265) |
| Gross income as percentage of poverty guidelines,<br>squared | 0.0006058<br>(0.0005244)                                 | 0.0005448<br>(0.0005224) | 0.0005134<br>(0.0005257) |
| Resided in Alaska                                            | 89.77816<br>(73.2789)                                    | 52.99196<br>(73.02691)   | 76.12906<br>(77.33572)   |
| Resided in Hawaii                                            | -24.20604<br>(50.99703)                                  | -31.17624<br>(52.32873)  | -16.92222<br>(50.67453)  |
| Resided in the Northeast region                              | -43.82132†<br>(7.75391)                                  | -43.50348†<br>(7.634422) | -41.25065†<br>(7.599432) |
| Resided in the Mid-Atlantic region                           | 5.33426<br>(7.021927)                                    | 4.705392<br>(6.946747)   | 6.770593<br>(6.902267)   |
| Resided in the Southeast region                              | 70.87227†<br>(6.390955)                                  | 69.51434†<br>(6.322269)  | 71.37797†<br>(6.294088)  |
| Resided in the Midwest Region                                | 38.31981†<br>(6.512033)                                  | 37.63705†<br>(6.435962)  | 41.26497†<br>(6.400429)  |
| Resided in the Southwest region                              | 74.79168†<br>(7.132639)                                  | 73.42499†<br>(7.072344)  | 74.92445†<br>(7.030617)  |
| Resided in the Mountain Plains region                        | 50.049†<br>(8.089781)                                    | 48.95802†<br>(8.033023)  | 50.04514†<br>(7.984549)  |
| SNAP unit size                                               | -33.23019†<br>(6.861305)                                 | -32.73497†<br>(6.840998) | -32.16602†<br>(6.802066) |
| More than one SNAP unit in household                         | 60.65319†<br>(5.927115)                                  | 58.88667†<br>(5.891747)  | 59.41123†<br>(5.863044)  |
| Single-parent household                                      | -103.3722†<br>(9.13113)                                  | -102.3003†<br>(9.113733) | -100.3529†<br>(9.071304) |
| Multiple-adult household                                     | -100.0476†<br>(8.828047)                                 | -100.2223†<br>(8.784632) | -98.90368†<br>(8.7119)   |
| Number of never-married adults                               | 18.46774†<br>(3.834093)                                  | 18.41996†<br>(3.813858)  | 18.64711†<br>(3.79703)   |
| Number of high school graduates or equivalent                | -18.31017†<br>(3.45487)                                  | -18.13762†<br>(3.426184) | -18.29591†<br>(3.416088) |
| Number of adults not in the labor force                      | 28.10849†<br>(3.594733)                                  | 28.40038†<br>(3.58324)   | 28.02757†<br>(3.569414)  |
| Head of household is African American/Black                  | 19.44951†<br>(5.584055)                                  | 18.66638†<br>(5.56283)   | 18.86712†<br>(5.536659)  |
| Head of household is Hispanic                                | 7.29954<br>(6.487149)                                    | 6.632849<br>(6.446228)   | 7.609848<br>(6.423957)   |
| Head of household is Asian                                   | -24.34523†<br>(11.80258)                                 | -24.79481†<br>(11.66637) | -24.08836†<br>(11.61329) |

**Table D.6. (continued)**

| Explanatory variable                                                        | Coefficients estimated using<br>administrative data for: |                         |                           |
|-----------------------------------------------------------------------------|----------------------------------------------------------|-------------------------|---------------------------|
|                                                                             | FY 2019A                                                 | FY2019B                 | Pre-pandemic<br>FY2020    |
| Head of household is other race                                             | 21.14024†<br>(10.70985)                                  | 21.71685†<br>(10.62734) | 22.92194†<br>(10.59812)   |
| No housing expenses                                                         | 240.1746†<br>(6.266113)                                  | 239.2559†<br>(6.241144) | 235.8207†<br>(6.199692)   |
| Maximum allowable excess shelter expense deduction                          | -0.0325945†<br>(0.0037602)                               | -0.0324†<br>(0.0037241) | -0.0332003†<br>(0.003635) |
| Maximum excess shelter expense deduction equal to zero                      | 7.734804<br>(24.60255)                                   | -4.182434<br>(23.8509)  | -5.896284<br>(23.82559)   |
| Maximum excess shelter expense deduction equal to cap for contiguous States | 16.24552<br>(9.727708)                                   | 20.24488†<br>(9.657257) | 16.43792<br>(9.453305)    |
| Maximum excess shelter expense deduction equal to cap for Hawaii            | -16.30078<br>(59.6328)                                   | 3.472179<br>(63.18358)  | -27.19439<br>(60.67054)   |
| Maximum excess shelter expense deduction equal to cap for Alaska            | -57.41221<br>(75.92357)                                  | 18.98457<br>(75.90148)  | -25.61539<br>(88.89089)   |
| Sample size                                                                 | 19,018                                                   | 19,152                  | 19467                     |
| R2                                                                          | 0.9669                                                   | 0.9669                  | 0.9680                    |
| Adjusted R2                                                                 | 0.9668                                                   | 0.9668                  | 0.9679                    |

Notes: SNAP net income coefficients for FY 2016 to FY 2018 are available in Vigil (2021).

† Indicates significance at the .05 level using a two-tailed t-test. Coefficients identified as significant at the .05 level are those with t-values greater than 1.96.

**Table D.7. FY 2020 Federal SNAP gross and net income limits, by SNAP household size and geography**

|                                      | Contiguous states (\$) | Alaska (\$) | Hawaii (\$) |
|--------------------------------------|------------------------|-------------|-------------|
| Gross income limit by household size |                        |             |             |
| 1                                    | 1,354                  | 1,690       | 1,558       |
| 2                                    | 1,832                  | 2,290       | 2,109       |
| 3                                    | 2,311                  | 2,889       | 2,659       |
| 4                                    | 2,790                  | 3,488       | 3,209       |
| 5                                    | 3,269                  | 4,087       | 3,760       |
| 6                                    | 3,748                  | 4,686       | 4,310       |
| 7                                    | 4,227                  | 5,285       | 4,860       |
| 8                                    | 4,705                  | 5,884       | 5,411       |
| Each additional member               | +479                   | +600        | +551        |
| Net income limit by household size   |                        |             |             |
| 1                                    | 1,041                  | 1,300       | 1,199       |
| 2                                    | 1,410                  | 1,761       | 1,622       |
| 3                                    | 1,778                  | 2,222       | 2,045       |
| 4                                    | 2,146                  | 2,683       | 2,469       |
| 5                                    | 2,515                  | 3,144       | 2,892       |
| 6                                    | 2,883                  | 3,605       | 3,315       |
| 7                                    | 3,251                  | 4,065       | 3,739       |
| 8                                    | 3,620                  | 4,526       | 4,162       |
| Each additional member               | +369                   | +461        | +424        |

Source: U.S. Department of Agriculture.

**Table D.8. FY 2020 maximum and minimum monthly SNAP benefit amounts, by SNAP household size and geography**

|                                   | Contiguous states (\$) | Alaska (\$) | Hawaii (\$) |
|-----------------------------------|------------------------|-------------|-------------|
| Maximum benefit by household size |                        |             |             |
| 1                                 | 194                    | 238         | 356         |
| 2                                 | 355                    | 437         | 654         |
| 3                                 | 509                    | 627         | 936         |
| 4                                 | 646                    | 796         | 1,189       |
| 5                                 | 768                    | 945         | 1,412       |
| 6                                 | 921                    | 1,134       | 1,695       |
| 7                                 | 1,018                  | 1,254       | 1,873       |
| 8                                 | 1,164                  | 1,433       | 2,141       |
| Each additional member            | +146                   | +179        | +268        |
| Minimum benefit by household size |                        |             |             |
| 1 to 2                            | 16                     | 19          | 29          |
| 3 or more                         | 0                      | 0           | 0           |

Source: U.S. Department of Agriculture.

**Table D.9. Unweighted sample sizes of SNAP QC case records**

| Month/year                | Number of SNAP QC case records |
|---------------------------|--------------------------------|
| September 1976            | 11,038                         |
| February 1978             | 14,211                         |
| August 1980               | 4,140                          |
| August 1982               | 7,224                          |
| August 1984               | 6,918                          |
| July/August 1986          | 11,010                         |
| July/August 1988          | 10,695                         |
| July/August 1990          | 10,639                         |
| July/August 1991          | 10,602                         |
| July/August 1992          | 9,586                          |
| July/August 1993          | 9,389                          |
| August/September 1994     | 8,933                          |
| August/September 1995     | 8,313                          |
| August/September 1996     | 8,304                          |
| August/September 1997     | 7,907                          |
| August/September 1998     | 7,336                          |
| August/September 1999     | 7,558                          |
| FY 1999                   | 46,935                         |
| FY 2000                   | 46,336                         |
| FY 2001                   | 46,412                         |
| FY 2002                   | 47,602                         |
| FY 2003                   | 48,896                         |
| FY 2004                   | 48,806                         |
| FY 2005                   | 46,673                         |
| FY 2006                   | 45,734                         |
| FY 2007                   | 47,469                         |
| FY 2008                   | 50,214                         |
| FY 2009                   | 51,250                         |
| FY 2010                   | 52,289                         |
| FY 2011                   | 51,115                         |
| FY 2012                   | 50,027                         |
| FY 2013                   | 49,569                         |
| FY 2014                   | 48,250                         |
| FY 2015                   | 48,022                         |
| FY 2016                   | 46,595                         |
| FY 2017                   | 45,530                         |
| FY 2018                   | 43,738                         |
| FY 2019                   | 43,258                         |
| FY 2020 pre-pandemic file | 18,319                         |



## **APPENDIX E**

### **SAMPLING ERROR OF PARTICIPATION RATE ESTIMATES**



## SAMPLING ERROR OF PARTICIPATION RATE ESTIMATES

The participation rates in this report represent the ratio of SNAP participants to SNAP-eligible individuals. Participant counts are based on SNAP Program Operations data and SNAP QC data. Eligible counts are based on CPS ASEC data. Both counts are derived from samples and are subject to statistical sampling error, as are the resulting participation rate estimates.

### Standard errors of participation rates

One indicator of the magnitude of the sampling error associated with a given estimate is its standard error. Standard errors measure the variation in estimated values that would be observed if multiple replications of the sample were drawn. The magnitude of the standard errors depends on three factors: (1) the degree of variation in the variable within the population from which the sample is drawn; (2) the design of the sample, including such issues as stratification and sampling probabilities; and (3) the size of the sample on which the estimate is based.

Generally, the standard error of a nonlinear variable, such as a participation rate, cannot be estimated directly. Rather, one must estimate the standard error of a linear approximation of the nonlinear variable. To estimate the standard error of participation rates contained in this report, we use a Taylor series expansion to produce a linear approximation of the participation rate. The variance of the participation rate,  $\text{var}(r)$ , can be expressed as a function of the number of participants ( $p$ ), the number of eligible individuals ( $e$ ), and their respective variances:

$$(1) \quad \text{var}(r) = \text{var}(p/e)^2 = (p/e)^2 [\text{var}(p)/p^2 + \text{var}(e)/e^2].$$

The standard error of the participation rate is simply the square root of the variance.

In the SNAP QC data file, we directly calculate the variance of the number of participants using replicate weights.<sup>20</sup> In the CPS, the Census Bureau typically produces a set of replicate weights. For the FY 2020 eligibility estimates, we use the 2020 and 2021 CPS ASEC revised public use entropy balance weights, which account for survey nonresponse bias as a result of the COVID-19 pandemic. The Census Bureau does not intend to release replicate weights for the public use entropy balance weights. After consultation with staff from the Census Bureau, we developed replicate weights to pair with the public use entropy balance weights using a methodology they recommended. Specifically, we calculated a ratio for each individual based on the publicly available CPS ASEC entropy balance weights and the March Supplement weight and multiplied the original replicate weights by that ratio to produce a set of adjusted replicate weights. We have incorporated these adjusted replicate weights into the estimation of the variance of the number of eligible individuals using the CPS-recommended replicate weight method.

### Confidence intervals

Standard errors can serve to compute confidence intervals for the estimated participation rates. A confidence interval is a range of values that will contain the true value of an estimated participation rate with a known probability. For instance, a 90 percent confidence interval extends 1.645 standard errors above and below the estimated rate and indicates there is a 90 percent chance that the confidence interval will contain the true value. Tables E.1 through E.5

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<sup>20</sup> More details are available in Appendix E of Cronquist (2022).

show standard errors and confidence intervals for selected participation rates for pre-pandemic FY 2020 through FY 2016, respectively.

**Table E.1. Sampling error associated with selected participation rate estimates, pre-pandemic FY 2020**

| Variable                                                                   | Participation rate with 90 percent confidence interval |     |     | Eligible   |                | Participating |                |
|----------------------------------------------------------------------------|--------------------------------------------------------|-----|-----|------------|----------------|---------------|----------------|
|                                                                            |                                                        |     |     | Number     | Standard error | Number        | Standard error |
| Individuals                                                                | 78.0                                                   | +/- | 1.2 | 42,181,733 | 380,345        | 32,882,855    | 114,888        |
| Households                                                                 | 81.0                                                   | +/- | 1.3 | 20,661,026 | 191,376        | 16,739,775    | 52,660         |
| Benefits                                                                   | *                                                      |     |     | *          |                | 4,024,532,989 | 12,571,767     |
| Children (age 17 or younger)                                               | 97.2                                                   |     |     | 14,411,127 |                | 14,011,918    | 115,206        |
| Non-elderly adults (age 18–59 )                                            | 81.6                                                   | +/- | 1.9 | 16,849,083 | 194,986        | 13,752,341    | 113,994        |
| Elderly individuals (age 60 or older)                                      | 46.9                                                   | +/- | 1.8 | 10,921,523 | 140,140        | 5,118,596     | 96,838         |
| Adults age 18–49 without disabilities in childless households <sup>a</sup> | 77.0                                                   | +/- | 5.0 | 3,016,568  | 68,714         | 2,323,646     | 74,127         |
| Noncitizens                                                                | 51.7                                                   | +/- | 7.4 | 2,220,280  | 68,500         | 1,147,253     | 93,511         |
| Citizen children living with noncitizen adults                             | 63.7                                                   | +/- | 7.2 | 3,528,444  | 110,872        | 2,248,359     | 136,962        |
| <b>Household countable income source</b>                                   |                                                        |     |     |            |                |               |                |
| Earned income                                                              | 69.9                                                   | +/- | 2.7 | 18,290,867 | 257,533        | 12,782,326    | 235,709        |
| TANF                                                                       | 54.5                                                   | +/- | 7.6 | 3,404,395  | 124,720        | 1,856,061     | 141,427        |
| SSI benefits                                                               | 80.9                                                   | +/- | 4.1 | 9,353,417  | 166,052        | 7,568,330     | 187,278        |
| Non-elderly                                                                | 84.6                                                   | +/- | 5.6 | 6,144,325  | 140,865        | 5,199,974     | 171,949        |
| Elderly                                                                    | 68.8                                                   | +/- | 5.3 | 3,533,972  | 87,185         | 2,430,267     | 95,622         |
| <b>Household countable income as a percentage of poverty guidelines</b>    |                                                        |     |     |            |                |               |                |
| 1 to 50 percent                                                            | *                                                      |     |     | *          |                | 7,978,504     | 195,611        |
| 101 to 130 percent                                                         | 44.3                                                   | +/- | 2.8 | 9,794,447  | 171,639        | 4,339,797     | 146,467        |

Sources: SNAP Program Operations, SNAP Quality Control, and Current Population Survey Annual Social and Economic Supplement data.

Note: Participant, eligible, and benefit totals represent monthly averages.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

Table E.2. Sampling error associated with selected participation rate estimates, FY 2019

| Variable                                                                   | Participation rate with 90 percent confidence interval |     |     | Eligible   |                | Participating |                |
|----------------------------------------------------------------------------|--------------------------------------------------------|-----|-----|------------|----------------|---------------|----------------|
|                                                                            |                                                        |     |     | Number     | Standard error | Number        | Standard error |
| Individuals                                                                | 81.5                                                   | +/- | 1.2 | 41,576,027 | 367,547        | 33,868,730    | 79,131         |
| Households                                                                 | 83.8                                                   | +/- | 1.4 | 20,236,756 | 198,929        | 16,954,628    | 37,166         |
| Benefits                                                                   | *                                                      |     |     | *          |                | 4,153,405,483 | 9,060,175      |
| Children (age 17 or younger)                                               | *                                                      |     |     | *          |                | 14,686,744    | 74,686         |
| Non-elderly adults (age 18–59 )                                            | 85.1                                                   | +/- | 1.8 | 16,648,405 | 188,833        | 14,168,745    | 79,941         |
| Elderly individuals (age 60 or older)                                      | 48.2                                                   | +/- | 1.5 | 10,398,803 | 139,550        | 5,013,241     | 63,335         |
| Adults age 18–49 without disabilities in childless households <sup>a</sup> | 81.0                                                   | +/- | 4.3 | 2,875,923  | 68,101         | 2,329,442     | 50,677         |
| Noncitizens                                                                | 54.6                                                   | +/- | 4.7 | 2,344,274  | 68,691         | 1,279,029     | 56,344         |
| Citizen children living with noncitizen adults                             | 62.9                                                   | +/- | 4.9 | 3,620,961  | 112,751        | 2,278,186     | 82,482         |
| <b>Household countable income source</b>                                   |                                                        |     |     |            |                |               |                |
| Earned income                                                              | 71.5                                                   | +/- | 2.1 | 19,190,902 | 265,064        | 13,712,069    | 164,199        |
| TANF                                                                       | 72.8                                                   | +/- | 6.2 | 3,240,495  | 118,337        | 2,359,842     | 87,031         |
| SSI benefits                                                               | 84.0                                                   | +/- | 3.5 | 8,530,545  | 164,520        | 7,163,449     | 120,487        |
| Non-elderly                                                                | 87.3                                                   | +/- | 4.8 | 5,865,888  | 142,428        | 5,122,035     | 115,411        |
| Elderly                                                                    | 71.6                                                   | +/- | 4.1 | 2,992,548  | 75,535         | 2,141,877     | 51,011         |
| <b>Household countable income as a percentage of poverty guidelines</b>    |                                                        |     |     |            |                |               |                |
| 1 to 50 percent                                                            | *                                                      |     |     | *          |                | 8,325,413     | 141,393        |
| 101 to 130 percent                                                         | 47.1                                                   | +/- | 2.3 | 10,085,001 | 188,806        | 4,748,136     | 110,773        |

Sources: SNAP Program Operations, SNAP Quality Control, and Current Population Survey Annual Social and Economic Supplement data.

Note: Participant, eligible, and benefit totals represent monthly averages.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

Table E.3. Sampling error associated with selected participation rate estimates, FY 2018

| Variable                                                                   | Participation rate with 90 percent confidence interval |     |     | Eligible   |                | Participating |                |
|----------------------------------------------------------------------------|--------------------------------------------------------|-----|-----|------------|----------------|---------------|----------------|
|                                                                            |                                                        |     |     | Number     | Standard error | Number        | Standard error |
| Individuals                                                                | 82.0                                                   | +/- | 1.4 | 43,862,367 | 380,622        | 35,987,131    | 227,120        |
| Households                                                                 | 83.4                                                   | +/- | 1.3 | 21,362,119 | 194,469        | 17,823,266    | 36,749         |
| Benefits                                                                   | *                                                      |     |     | *          |                | 4,446,024,409 | 26,456,644     |
| Children (age 17 or younger)                                               | *                                                      |     |     | *          |                | 15,973,901    | 204,236        |
| Non-elderly adults (age 18–59 )                                            | 83.4                                                   | +/- | 1.7 | 18,244,106 | 190,564        | 15,212,224    | 101,397        |
| Elderly individuals (age 60 or older)                                      | 47.9                                                   | +/- | 1.6 | 10,029,661 | 133,156        | 4,801,006     | 70,246         |
| Adults age 18–49 without disabilities in childless households <sup>a</sup> | 77.6                                                   | +/- | 3.8 | 3,262,092  | 74,422         | 2,531,270     | 48,959         |
| Noncitizens                                                                | 60.2                                                   | +/- | 4.9 | 2,453,773  | 70,377         | 1,476,244     | 59,788         |
| Citizen children living with noncitizen adults                             | 72.2                                                   | +/- | 5.3 | 4,074,217  | 108,641        | 2,942,251     | 106,742        |
| <b>Household countable income source</b>                                   |                                                        |     |     |            |                |               |                |
| Earned income                                                              | 73.5                                                   | +/- | 2.7 | 20,659,346 | 248,980        | 15,194,854    | 288,420        |
| TANF                                                                       | 76.8                                                   | +/- | 8.3 | 3,321,255  | 109,269        | 2,550,196     | 144,326        |
| SSI benefits                                                               | 87.2                                                   | +/- | 3.5 | 8,476,152  | 155,750        | 7,389,356     | 116,251        |
| Non-elderly                                                                | 85.6                                                   | +/- | 4.5 | 6,204,711  | 140,595        | 5,313,493     | 119,172        |
| Elderly                                                                    | 81.3                                                   | +/- | 5.2 | 2,638,352  | 78,538         | 2,145,578     | 54,015         |
| <b>Household countable income as a percentage of poverty guidelines</b>    |                                                        |     |     |            |                |               |                |
| 1 to 50 percent                                                            | *                                                      |     |     | *          |                | 9,112,563     | 170,171        |
| 101 to 130 percent                                                         | 46.3                                                   | +/- | 2.3 | 10,483,939 | 166,170        | 4,850,341     | 128,360        |

Sources: SNAP Program Operations, SNAP Quality Control, and Current Population Survey Annual Social and Economic Supplement data.

Note: Participant, eligible, and benefit totals represent monthly averages.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.

**Table E.4. Sampling error associated with selected participation rate estimates, FY 2017**

| Variable                                                                   | Participation rate with 90 percent confidence interval |     |     | Eligible   |                | Participating |                |
|----------------------------------------------------------------------------|--------------------------------------------------------|-----|-----|------------|----------------|---------------|----------------|
|                                                                            |                                                        |     |     | Number     | Standard error | Number        | Standard error |
| Individuals                                                                | 81.9                                                   | +/- | 1.2 | 46,151,754 | 402,689        | 37,807,973    | 104,383        |
| Households                                                                 | 84.0                                                   | +/- | 1.2 | 22,144,691 | 186,555        | 18,605,274    | 33,792         |
| Benefits                                                                   | *                                                      |     |     | *          |                | 4,779,372,438 | 9,504,529      |
| Children (age 17 or younger)                                               | *                                                      |     |     | *          |                | 16,711,599    | 99,920         |
| Non-elderly adults (age 18–59 )                                            | 84.5                                                   | +/- | 1.7 | 19,456,093 | 210,602        | 16,437,147    | 87,796         |
| Elderly individuals (age 60 or older)                                      | 46.5                                                   | +/- | 1.5 | 10,030,346 | 143,947        | 4,659,227     | 62,044         |
| Adults age 18–49 without disabilities in childless households <sup>a</sup> | 82.9                                                   | +/- | 3.9 | 3,484,295  | 73,480         | 2,888,098     | 54,615         |
| Noncitizens                                                                | 60.9                                                   | +/- | 4.8 | 2,611,119  | 77,919         | 1,590,343     | 59,766         |
| Citizen children living with noncitizen adults                             | 74.1                                                   | +/- | 4.9 | 4,241,941  | 108,335        | 3,141,568     | 98,438         |
| <b>Household countable income source</b>                                   |                                                        |     |     |            |                |               |                |
| Earned income                                                              | 73.2                                                   | +/- | 2.0 | 22,156,168 | 272,706        | 16,220,621    | 172,949        |
| TANF                                                                       | 70.7                                                   | +/- | 5.6 | 4,087,352  | 136,017        | 2,890,145     | 102,082        |
| SSI benefits                                                               | 82.5                                                   | +/- | 3.5 | 9,044,339  | 173,737        | 7,459,310     | 125,632        |
| Non-elderly                                                                | 81.5                                                   | +/- | 4.1 | 6,680,807  | 147,748        | 5,444,020     | 116,083        |
| Elderly                                                                    | 76.5                                                   | +/- | 5.0 | 2,742,557  | 83,543         | 2,098,177     | 52,347         |
| <b>Household countable income as a percentage of poverty guidelines</b>    |                                                        |     |     |            |                |               |                |
| 1 to 50 percent                                                            | *                                                      |     |     | *          |                | 9,894,083     | 135,976        |
| 101 to 130 percent                                                         | 47.6                                                   | +/- | 2.2 | 11,011,834 | 170,500        | 5,246,567     | 121,310        |

Sources: SNAP Program Operations, SNAP Quality Control, and Current Population Survey Annual Social and Economic Supplement data.

Note: Participant, eligible, and benefit totals represent monthly averages.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.



Table E.5. Sampling error associated with selected participation rate estimates, FY 2016

| Variable                                                                   | Participation rate with 90 percent confidence interval |     |     | Eligible   |                | Participating |                |
|----------------------------------------------------------------------------|--------------------------------------------------------|-----|-----|------------|----------------|---------------|----------------|
|                                                                            |                                                        |     |     | Number     | Standard error | Number        | Standard error |
| Individuals                                                                | 83.0                                                   | +/- | 1.1 | 48,101,113 | 367,674        | 39,908,521    | 72,263         |
| Households                                                                 | 85.9                                                   | +/- | 1.1 | 22,767,367 | 177,795        | 19,559,437    | 33,032         |
| Benefits                                                                   | *                                                      |     |     | *          |                | 5,072,045,721 | 8,401,008      |
| Children (age 17 or younger)                                               | *                                                      |     |     | *          |                | 17,874,365    | 85,175         |
| Non-elderly adults (age 18–59 )                                            | 86.5                                                   | +/- | 1.6 | 20,350,563 | 203,650        | 17,612,986    | 86,689         |
| Elderly individuals (age 60 or older)                                      | 43.6                                                   | +/- | 1.3 | 10,131,730 | 122,199        | 4,421,170     | 58,116         |
| Adults age 18–49 without disabilities in childless households <sup>a</sup> | 93.3                                                   | +/- | 4.2 | 3,698,366  | 78,548         | 3,451,550     | 59,095         |
| Noncitizens                                                                | 65.6                                                   | +/- | 5.0 | 2,690,895  | 66,593         | 1,765,940     | 68,434         |
| Citizen children living with noncitizen adults                             | 80.0                                                   | +/- | 5.1 | 4,441,677  | 107,042        | 3,554,953     | 108,984        |
| <b>Household countable income source</b>                                   |                                                        |     |     |            |                |               |                |
| Earned income                                                              | 74.7                                                   | +/- | 1.9 | 23,132,628 | 260,585        | 17,282,829    | 188,859        |
| TANF                                                                       | 69.2                                                   | +/- | 5.2 | 4,470,363  | 127,789        | 3,091,690     | 109,094        |
| SSI benefits                                                               | 83.0                                                   | +/- | 3.3 | 9,259,391  | 168,515        | 7,686,013     | 123,996        |
| Non-elderly                                                                | 84.0                                                   | +/- | 4.2 | 6,920,869  | 155,889        | 5,815,472     | 119,546        |
| Elderly                                                                    | 71.8                                                   | +/- | 4.2 | 2,700,384  | 67,057         | 1,939,153     | 49,636         |
| <b>Household countable income as a percentage of poverty guidelines</b>    |                                                        |     |     |            |                |               |                |
| 1 to 50 percent                                                            | *                                                      |     |     | *          |                | 10,605,900    | 159,024        |
| 101 to 130 percent                                                         | 48.6                                                   | +/- | 2.1 | 10,974,233 | 172,835        | 5,329,277     | 113,831        |

Sources: SNAP Program Operations, SNAP Quality Control, and Current Population Survey Annual Social and Economic Supplement data.

Note: Participant, eligible, and benefit totals represent monthly averages.

\* The use of different data sources to estimate rate numerators and denominators can result in estimates of eligible individuals with a particular characteristic or of potential benefits to eligible individuals that are lower than the corresponding estimates of participants or benefits received by participants. When this happens, estimated rates exceed 100 percent. In this report, we do not report estimated rates higher than 100 percent or the associated estimates of eligible individuals, households, or potential benefits. See Appendix D for more information.

<sup>a</sup> With some exceptions, these participants are subject to work requirements and time limits.



## **APPENDIX F**

### **ECONOMIC AND POLICY INFLUENCES ON SNAP**



**Table F.1. Summary of major influences on SNAP participation rate estimates, 1976 to pre-pandemic 2020**

| Period of change | Major influences                                                                                                 | Effect on number of participants and eligible individuals                                        | Participation rate change |
|------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------|
| 1978 to 1980     | Food Stamp Act of 1977                                                                                           | Substantial increase in participants; decrease in eligible individuals                           | Up 17 points              |
| 1980 to 1982     | Recession                                                                                                        | Almost no change in participants; substantial increase in eligible individuals                   | Down 3 points             |
| 1982 to 1984     | Economic recovery                                                                                                | Slight decrease in both participants and eligible individuals                                    | No change                 |
| 1984 to 1986     | 1985 Food Security Act                                                                                           | Almost no change in participants; substantial increase in eligible individuals                   | Down 4 points             |
| 1986 to 1988     | Growth in economy                                                                                                | Small decrease in participants and eligible individuals                                          | No change                 |
| 1988 to 1990     | Medicaid expansion, Homeless Assistance Act, IRCA, worsening economy                                             | Increase in participants; small decrease in eligible individuals                                 | Up 6 points               |
| 1990 to 1992     | Continued Medicaid expansion, recession                                                                          | Increase in participants; smaller increase in eligible individuals                               | Up 5 points               |
| 1992 to 1993     | Improving economy                                                                                                | Increase in participants; smaller increase in eligible individuals                               | Up 1 point                |
| 1993 to 1994     | Improving economy                                                                                                | No change in participants; small drop in eligible individuals                                    | Up 1 point                |
| 1994 to 1995     | Improving economy                                                                                                | Decrease in participants; smaller decrease in eligible individuals                               | Down 2 points             |
| 1995 to 1996     | Improving economy                                                                                                | Decrease in participants; no change in eligible individuals                                      | Down 3 points             |
| 1996 to 1997     | Welfare reform, improving economy                                                                                | Large decrease in participants and eligible individuals; larger decrease in participants         | Down 5 points             |
| 1997 to 1998     | Welfare reform, improving economy                                                                                | Large decrease in participants and eligible individuals; larger decrease in participants         | Down 4 points             |
| 1998 to 1999     | Welfare reform, improving economy                                                                                | Decrease in participants and eligible individuals; larger decrease in participants               | Down 2 points             |
| 1999 to 2000     | Welfare reform, improving economy                                                                                | Decrease in participants and eligible individuals; larger decrease in participants               | Down less than 1 point    |
| 2000 to 2001     | Expanded vehicle exclusions, worsening economy                                                                   | Slight increase in participants; large increase in eligible individuals                          | Down 3 points             |
| 2001 to 2002(a)  | Expanded vehicle exclusions, increased poverty                                                                   | Large increase in participants and eligible individuals; larger increase in eligible individuals | Down less than 1 point    |
| 2002(b) to 2003  | Increased outreach, increased eligibility for noncitizens, increased poverty, expanded vehicle exclusions        | Increase in both participants and eligible individuals                                           | Up 2 points               |
| 2003 to 2004     | Increased outreach, increased poverty, increased eligibility for immigrant children, expanded vehicle exclusions | Increase in both participants and eligible individuals; larger increase in participants          | Up more than 5 points     |

**Table F.1. (continued)**

| Period of change          | Major influences                                                                                                                                                                                            | Effect on number of participants and eligible individuals                               | Participation rate change |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------|
| 2004 to 2005              | Increased outreach, expanded vehicle exclusions                                                                                                                                                             | Increase in both participants and eligible individuals; larger increase in participants | Up 3 points               |
| 2005 to 2006              | Increased outreach, decreased poverty, expanded vehicle exclusions                                                                                                                                          | Increase in participants; decrease in eligible individuals                              | Up 4 points               |
| 2006 to 2007              | Increased outreach, increased poverty, expanded vehicle exclusions                                                                                                                                          | Increase in participants; larger increase in eligible individuals                       | Down less than 1 point    |
| 2007 to 2008              | Worsening economy, increased outreach, expanded vehicle exclusions                                                                                                                                          | Increases in both participants and eligible individuals                                 | Up 2 points               |
| 2008 to 2009              | Recession, increased outreach, increase in minimum benefit allotments, midyear increase in maximum benefit allotments, midyear State option to eliminate time-limited benefits, expanded vehicle exclusions | Large increases in both participants and eligible individuals                           | Up more than 1 point      |
| 2010 to 2011              | Slow economic recovery                                                                                                                                                                                      | Large increase in participants; very minor decrease in eligible individuals             | Up more than 6 points     |
| 2011 to 2012              | Improving economy                                                                                                                                                                                           | Increase in participants; decrease in eligible individuals                              | Up 5 points               |
| 2012 to 2013              | Improving economy                                                                                                                                                                                           | Increase in participants; very minor decrease in eligible individuals                   | Up 2 points               |
| 2013 to 2014              | Agricultural Act of 2014, decrease in maximum benefit allotments                                                                                                                                            | Decrease in participants; minor increase in eligible individuals.                       | Down 2 points             |
| 2014 to 2015              | Improving economy                                                                                                                                                                                           | Small decrease in participants and eligible individuals                                 | No change                 |
| 2015 to 2016(a)           | Improving economy                                                                                                                                                                                           | Decrease in participants; larger decrease in eligible individuals                       | Up 2 points               |
| 2016(b) to 2017(b)        | Strong economy                                                                                                                                                                                              | Decrease in participants; smaller decrease in eligible individuals                      | Down 1 point              |
| 2017(b) to 2018           | Strong economy                                                                                                                                                                                              | Small decrease in participants and eligible individuals                                 | No change                 |
| 2018 to 2019              | Strong economy                                                                                                                                                                                              | Small decrease in participants and eligible individuals                                 | No change                 |
| 2019 to pre-pandemic 2020 | Strong economy                                                                                                                                                                                              | Small decrease in participants and slight increase in eligible individuals              | Down 4 points             |

Note: Readers should not compare estimates for FY 2016(b), FY 2017(b), FY 2018, and FY 2019 with estimates for any prior years because of a revised methodology for those years.

Table F.2. Major economic indicators, 1976 to 2020

| Year | Real GDP increase <sup>a</sup> | Productivity increase <sup>b</sup> | Unemployment rate <sup>c</sup> | Inflation rate <sup>d</sup> | Poverty rate | Individuals in poverty (000) |
|------|--------------------------------|------------------------------------|--------------------------------|-----------------------------|--------------|------------------------------|
| 1976 | 5.4                            | 3.3                                | 7.7                            | 5.5                         | 11.8         | 24,975                       |
| 1977 | 4.6                            | 1.8                                | 7.1                            | 6.2                         | 11.6         | 24,720                       |
| 1978 | 5.5                            | 1.2                                | 6.1                            | 7.0                         | 11.4         | 24,497                       |
| 1979 | 3.2                            | 0.1                                | 5.9                            | 8.3                         | 11.7         | 26,072                       |
| 1980 | -0.3                           | 0.0                                | 7.2                            | 9.1                         | 13.0         | 29,272                       |
| 1981 | 2.5                            | 2.2                                | 7.6                            | 9.4                         | 14.0         | 31,822                       |
| 1982 | -1.8                           | -0.5                               | 9.7                            | 6.2                         | 15.0         | 34,398                       |
| 1983 | 4.6                            | 3.4                                | 9.6                            | 3.9                         | 15.2         | 35,303                       |
| 1984 | 7.2                            | 2.9                                | 7.5                            | 3.6                         | 14.4         | 33,700                       |
| 1985 | 4.2                            | 2.3                                | 7.2                            | 3.2                         | 14.0         | 33,064                       |
| 1986 | 3.5                            | 2.8                                | 7.0                            | 2.0                         | 13.6         | 32,370                       |
| 1987 | 3.5                            | 0.6                                | 6.2                            | 2.5                         | 13.4         | 32,221                       |
| 1988 | 4.2                            | 1.5                                | 5.5                            | 3.5                         | 13.0         | 31,745                       |
| 1989 | 3.7                            | 1.2                                | 5.3                            | 3.9                         | 12.8         | 31,528                       |
| 1990 | 1.9                            | 2.0                                | 5.6                            | 3.8                         | 13.5         | 33,585                       |
| 1991 | -0.1                           | 1.6                                | 6.9                            | 3.4                         | 14.2         | 35,708                       |
| 1992 | 3.5                            | 4.7                                | 7.5                            | 2.3                         | 14.8         | 38,014                       |
| 1993 | 2.8                            | 0.1                                | 6.9                            | 2.4                         | 15.1         | 39,265                       |
| 1994 | 4.0                            | 0.6                                | 6.1                            | 2.1                         | 14.5         | 38,059                       |
| 1995 | 2.7                            | 0.7                                | 5.6                            | 2.1                         | 13.8         | 36,425                       |
| 1996 | 3.8                            | 2.5                                | 5.4                            | 1.8                         | 13.7         | 36,529                       |
| 1997 | 4.4                            | 2.2                                | 4.9                            | 1.7                         | 13.3         | 35,574                       |
| 1998 | 4.5                            | 3.3                                | 4.5                            | 1.1                         | 12.7         | 34,476                       |
| 1999 | 4.8                            | 4.1                                | 4.2                            | 1.4                         | 11.9         | 32,791                       |
| 2000 | 4.1                            | 3.1                                | 4.0                            | 2.3                         | 11.3         | 31,581                       |
| 2001 | 1.0                            | 2.7                                | 4.7                            | 2.3                         | 11.7         | 32,907                       |
| 2002 | 1.7                            | 4.2                                | 5.8                            | 1.5                         | 12.1         | 34,570                       |
| 2003 | 2.8                            | 3.8                                | 6.0                            | 2.0                         | 12.5         | 35,861                       |
| 2004 | 3.9                            | 3.1                                | 5.5                            | 2.7                         | 12.7         | 37,040                       |
| 2005 | 3.5                            | 2.2                                | 5.1                            | 3.1                         | 12.6         | 36,950                       |
| 2006 | 2.8                            | 1.0                                | 4.6                            | 3.1                         | 12.3         | 36,460                       |
| 2007 | 2.0                            | 1.5                                | 4.6                            | 2.7                         | 12.5         | 37,276                       |
| 2008 | 0.1                            | 1.2                                | 5.8                            | 1.9                         | 13.2         | 39,829                       |
| 2009 | -2.6                           | 3.6                                | 9.3                            | 0.7                         | 14.3         | 43,569                       |
| 2010 | 2.7                            | 3.4                                | 9.6                            | 1.2                         | 15.1         | 46,343                       |

**Table F.2. (continued)**

| Year | Real GDP increase <sup>a</sup> | Productivity increase <sup>b</sup> | Unemployment rate <sup>c</sup> | Inflation rate <sup>d</sup> | Poverty rate | Individuals in poverty (000) |
|------|--------------------------------|------------------------------------|--------------------------------|-----------------------------|--------------|------------------------------|
| 2011 | 1.5                            | 0.0                                | 8.9                            | 2.1                         | 15.0         | 46,247                       |
| 2012 | 2.3                            | 0.9                                | 8.1                            | 1.9                         | 15.0         | 46,496                       |
| 2013 | 1.8                            | 0.9                                | 7.4                            | 1.8                         | 14.8         | 46,269                       |
| 2014 | 2.3                            | 0.5                                | 6.2                            | 1.9                         | 14.8         | 46,657                       |
| 2015 | 2.7                            | 1.1                                | 5.3                            | 1.0                         | 13.5         | 43,123                       |
| 2016 | 1.7                            | 0.4                                | 4.9                            | 1.0                         | 12.7         | 40,616                       |
| 2017 | 2.3                            | 1.1                                | 4.4                            | 1.9                         | 12.3         | 39,564                       |
| 2018 | 2.9                            | 1.6                                | 3.9                            | 2.4                         | 11.8         | 38,146                       |
| 2019 | 2.3                            | 2.0                                | 3.7                            | 1.8                         | 10.5         | 33,984                       |
| 2020 | -3.4                           | 2.5                                | 8.1                            | 1.3                         | 11.4         | 37,247                       |

Sources: Real Gross Domestic Product (GDP) increase: U.S. Department of Commerce, Bureau of Economic Analysis, *National Income and Product Accounts*. Productivity increase: U.S. Department of Labor, Bureau of Labor Statistics, "Major Sector Productivity and Costs Index." Unemployment rate: U.S. Department of Labor, U.S. Bureau of Labor Statistics. Inflation rate: U.S. Department of Commerce, Bureau of Economic Analysis, *National Income and Product Accounts*. Individuals below poverty line: U.S. Census Bureau.

<sup>a</sup> Percentage change from preceding year.

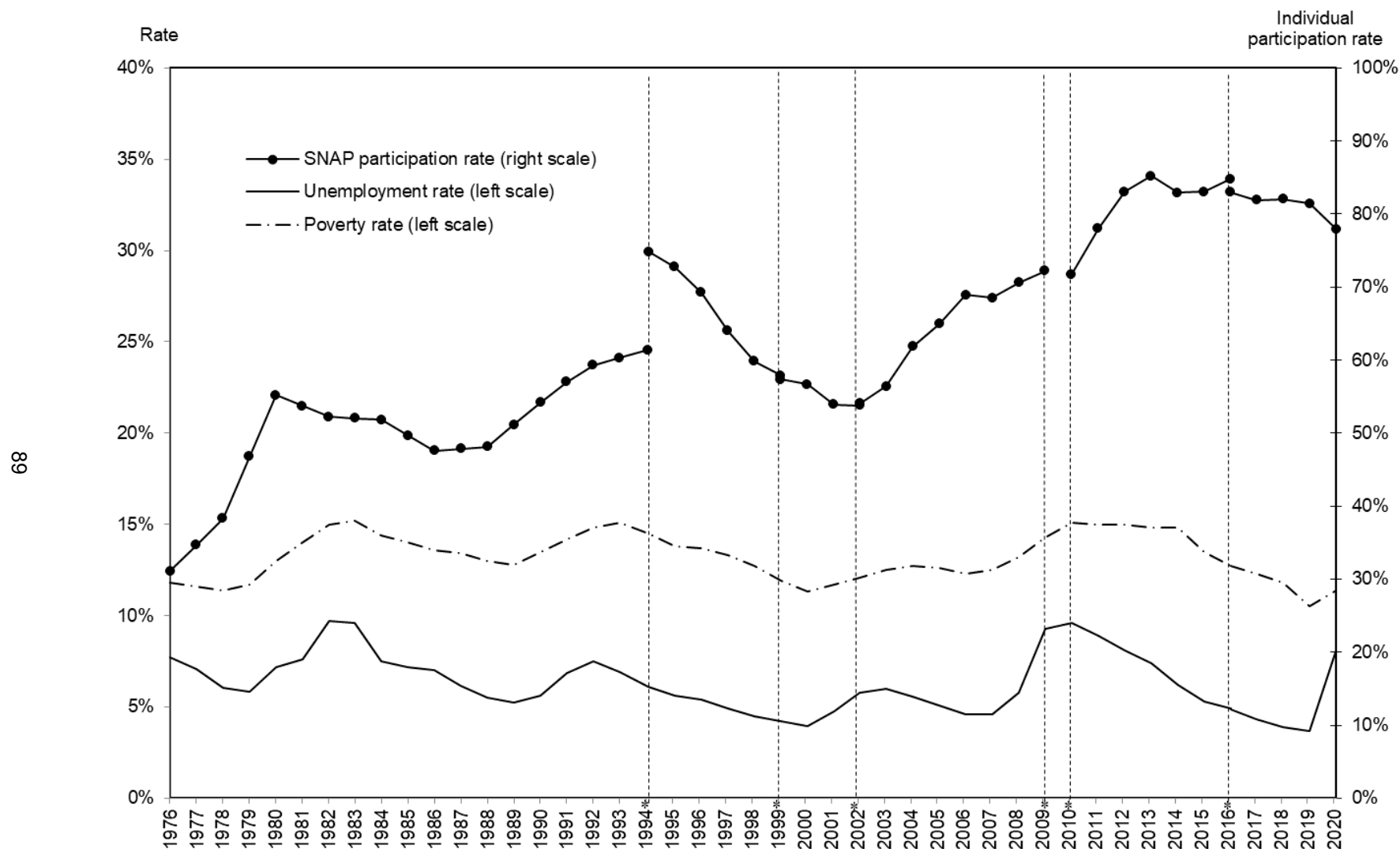
<sup>b</sup> Percentage change from preceding year in output per hour, business sector.

<sup>c</sup> All civilian workers.

<sup>d</sup> Percentage change from preceding year in the implicit price deflator for GDP.



Figure F.1. Trends in SNAP individual participation rate estimates, poverty rates, and unemployment rates, 1976 to 2020



Sources: Participation rates from SNAP Program Operations data, SNAP QC data, and CPS ASEC data for the years shown. Poverty rates from U.S. Bureau of the Census, Poverty in the United States. Unemployment rates from U.S. Department of Labor, U.S. Bureau of Labor Statistics.

Note: The individual participation rate for FY 2020 represents the pre-pandemic period (October 2019 through February 2020).

\* There are breaks in the time series in 1994 and 1999 because of revisions in the methodology for determining eligibility, in 2002 and 2009 because of revisions in the methodology for determining eligibility and the number of participants, and in 2016 because of changes in the CPS ASEC.

**Table F.3A. Historical legislation affecting SNAP**

| Full legislation name                                                                                                  | Short title for use in this report                                     | Public Law              |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------|
| Food Stamp Act of 1964, as amended                                                                                     | Food Stamp Act of 1964, as amended                                     | PL 88-525               |
| Food Stamp Act of 1977, effective 1/1/79                                                                               | Food Stamp Act of 1977                                                 | PL 95-113               |
| Food Stamp amendments of 1979 and 1980                                                                                 | Food Stamp amendments of 1979 and 1980                                 | PL 96-58 and PL 96-249  |
| Omnibus Budget Reconciliation Act of 1981 and Food Stamp amendments and Reauthorization Act of 1981, effective 10/1/81 | OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | PL 86-35 and PL 97-98   |
| Food Stamp amendments of 1982, effective 10/82, and Continuing Resolution of 1984                                      | Food Stamp amendments of 1982 and Continuing Resolution of 1984        | PL 97-253 and PL 84-473 |
| 1985 Food Security Act, effective 5/86                                                                                 | 1985 Food Security Act                                                 | PL 99-198               |
| 1987 Homeless Assistance Act                                                                                           | 1987 Homeless Assistance Act                                           | PL 100-77               |
| Hunger Prevention Act of 1988                                                                                          | HPA of 1988                                                            | PL 100-435              |
| Farm, Agriculture, Conservation and Trade Act of 1990 and 1991                                                         | FACTA                                                                  | PL 102-237              |
| Amendments to Farm, Agriculture, Conservation and Trade Act of 1991                                                    | Amendments to FACTA of 1991                                            |                         |
| The Mickey Leland Childhood Hunger Relief Act of 1993                                                                  | MLCHRA                                                                 | PL 103-66               |
| The Personal Responsibility and Work Opportunity Reconciliation Act of 1996                                            | PRWORA                                                                 | PL 104-193              |
| The Balanced Budget Act of 1997                                                                                        | BBA                                                                    | PL 105-33               |
| Agricultural Research, Extension, and Education Reform Act of 1998                                                     | AREERA                                                                 | PL 105-185              |
| Agriculture Appropriations Act of 2001                                                                                 | Agriculture Appropriations Act of 2001                                 | PL 106-387              |
| Farm Security and Rural Investment Act of 2002                                                                         | 2002 Farm Bill                                                         | PL 107-171              |
| Food, Conservation, and Energy Act of 2008                                                                             | 2008 Farm Bill                                                         | PL 110-246              |
| American Recovery and Reinvestment Act of 2009                                                                         | ARRA                                                                   | PL 111-5                |
| Agricultural Act of 2014                                                                                               | 2014 Farm Bill                                                         | PL 113-79               |
| Agricultural Act of 2018                                                                                               | 2018 Farm Bill                                                         | PL 115-334              |
| Families First Coronavirus Response Act of 2020                                                                        | FFCRA                                                                  | PL 116–127              |

**Table F.3B. Selected features of SNAP under past legislation—income limits**

| Legislation                                                            | Income limits                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Food Stamp Act of 1964, as amended                                     | Net income had to be less than or equal to the maximum SNAP net income, which was tied to the maximum coupon allotment                                                                                                                                  |
| Food Stamp Act of 1977                                                 | Net income had to be less than or equal to the poverty line                                                                                                                                                                                             |
| Food Stamp amendments of 1979 and 1980                                 | Excluded energy assistance as income; included income of ineligible aliens less prorated share                                                                                                                                                          |
| OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | Gross income had to be less than or equal to 130 percent of the poverty line, except for individuals who are elderly and disabled, who kept previous net income limit                                                                                   |
| Food Stamp amendments of 1982 and Continuing Resolution of 1984        | Individuals who are not elderly or disabled were subjected to both net and gross income limits                                                                                                                                                          |
| 1985 Food Security Act                                                 | Minor changes in treatment of income                                                                                                                                                                                                                    |
| 1987 Homeless Assistance Act                                           | Moved annual adjustment in income eligibility guidelines from July 1 to October 1 of each year                                                                                                                                                          |
| HPA of 1988                                                            | No change                                                                                                                                                                                                                                               |
| FACTA                                                                  | Certain types of educational assistance not counted as income                                                                                                                                                                                           |
| Amendments to FACTA of 1991                                            | No change                                                                                                                                                                                                                                               |
| MLCHRA                                                                 | Earnings of students excluded from income through age 21; excluded as income 100 percent of vendor payments made to transitional housing facilities on behalf of homeless households and GA vendor payments for assistance with utility costs           |
| PRWORA                                                                 | Earnings of students excluded from income through age 17                                                                                                                                                                                                |
| BBA                                                                    | No change                                                                                                                                                                                                                                               |
| AREERA                                                                 | No change                                                                                                                                                                                                                                               |
| Agriculture Appropriations Act of 2001                                 | No change                                                                                                                                                                                                                                               |
| 2002 Farm Bill                                                         | State options to exclude certain types of income not counted under the State's TANF cash assistance or Medicaid programs and to treat legally obligated child support payments to a non-household member as an income exclusion rather than a deduction |
| 2008 Farm Bill                                                         | Combat-related military pay excluded from income                                                                                                                                                                                                        |
| ARRA                                                                   | No change                                                                                                                                                                                                                                               |
| 2014 Farm Bill                                                         | No change                                                                                                                                                                                                                                               |
| 2018 Farm Bill                                                         | No change                                                                                                                                                                                                                                               |
| FFCRA                                                                  | No change                                                                                                                                                                                                                                               |

**Table F.3C. Selected features of SNAP under past legislation—resource limits**

| Legislation                                                            | Resource limits                                                                                                                                                                                                     |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Food Stamp Act of 1964, as amended                                     | \$1,500; \$3,000 for elderly household of at least two individuals; excluded vehicles used for employment or handicapped transportation                                                                             |
| Food Stamp Act of 1977                                                 | \$1,750; \$3,000 for elderly household of at least two individuals; excluded first \$4,500 of the fair market value (FMV) for vehicles                                                                              |
| Food Stamp amendments of 1979 and 1980                                 | \$1,500; \$3,000 for elderly household of at least two individuals; excluded vehicles used for handicapped                                                                                                          |
| OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | No change                                                                                                                                                                                                           |
| Food Stamp amendments of 1982 and Continuing Resolution of 1984        | State option to waive resource test for pure Aid to Families with Dependent Children (AFDC) households passing gross income test. IRA KEOGH accounts counted as resources                                           |
| 1985 Food Security Act                                                 | \$2,000; \$3,000 for households with elderly member(s) (including one-person households); changed definition of countable resources                                                                                 |
| 1987 Homeless Assistance Act                                           | No change                                                                                                                                                                                                           |
| HPA of 1988                                                            | No change                                                                                                                                                                                                           |
| FACTA                                                                  | Nonliquid resources and those exempted by AFDC and SSI not counted                                                                                                                                                  |
| Amendments to FACTA of 1991                                            | Same limits; resource holding of AFDC and SSI recipients not counted                                                                                                                                                |
| MLCHRA                                                                 | Raised the vehicle FMV resource limit to \$4,550 on 9/1/94, to \$4,600 on 10/1/95, and to \$5,000 on 10/1/96, with annual cost-of-living adjustments thereafter; excluded vehicles necessary to carry food or water |
| PRWORA                                                                 | Vehicle FMV resource limit raised to \$4,650, with no planned future cost-of-living adjustments                                                                                                                     |
| BBA                                                                    | No change                                                                                                                                                                                                           |
| AREERA                                                                 | No change                                                                                                                                                                                                           |
| Agriculture Appropriations Act of 2001                                 | Allowed States to use the vehicle limit they used in a TANF assistance program if it would result in a lower attribution of resources for the household                                                             |
| 2002 Farm Bill                                                         | Increased the resource limit for household with a disabled member from \$2,000 to \$3,000                                                                                                                           |
| 2008 Farm Bill                                                         | Indexed resource limits to inflation; excluded all tax-preferred education accounts and retirement accounts from countable resources                                                                                |
| ARRA                                                                   | No change                                                                                                                                                                                                           |
| 2014 Farm Bill                                                         | No change                                                                                                                                                                                                           |
| 2018 Farm Bill                                                         | No change                                                                                                                                                                                                           |
| FFCRA                                                                  | No change                                                                                                                                                                                                           |

**Table F.3D. Selected features of SNAP under past legislation—benefits**

| Legislation                                                            | Maximum benefit                                                                                                                                             | Minimum benefit                                                                                                 | Benefit reduction rate                                            |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Food Stamp Act of 1964, as amended                                     | Thrifty Food Plan (TFP); indexed since 1971; indexed semiannually from 1973 to 1979 based on BLS food price index                                           | Minimum benefit varied by household size                                                                        | Basis of issuance tables (average 30 percent above lowest levels) |
| Food Stamp Act of 1977                                                 | Indexed semiannually based on TFP components                                                                                                                | \$10 for one- and two-person households only                                                                    | 30 percent                                                        |
| Food Stamp amendments of 1979 and 1980                                 | Indexed annually in January based on September cost-of-plan components                                                                                      | No change                                                                                                       | No change                                                         |
| OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | Indexing frozen until 7/1/83; next adjustment 10/1/84 based on June cost-of-plan components                                                                 | No change                                                                                                       | No change                                                         |
| Food Stamp amendments of 1982 and Continuing Resolution of 1984        | Indexed to 99 percent of TFP cost; changed back to 100 percent by PL 98-473; last step in benefit calculation rounded down                                  | No change                                                                                                       | No change                                                         |
| 1985 Food Security Act                                                 | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| 1987 Homeless Assistance Act                                           | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| HPA of 1988                                                            | Incremental indexing to 103 percent of TFP by FY 1991 and thereafter                                                                                        | No change                                                                                                       | No change                                                         |
| FACTA                                                                  | No change                                                                                                                                                   | Required annual adjustments to the \$10 minimum benefit                                                         | No change                                                         |
| Amendments to FACTA of 1991                                            | No change*                                                                                                                                                  | No change                                                                                                       | No change                                                         |
| MLCHRA                                                                 | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| PRWORA                                                                 | Reduced to 100 percent of TFP for contiguous U.S. and District of Columbia; Alaska and Hawaii remained at 1996 levels                                       | Removed requirement for indexing of minimum benefit                                                             | No change                                                         |
| BBA                                                                    | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| AREERA                                                                 | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| Agriculture Appropriations Act of 2001                                 | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| 2002 Farm Bill                                                         | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| 2008 Farm Bill                                                         | No change                                                                                                                                                   | Increased for one- and two-person households from \$10 to 8 percent of maximum benefit of one-person households | No change                                                         |
| ARRA                                                                   | Increased to 113.6 percent of June 2008 value of TFP, effective April 2009 until October 31, 2013                                                           | Adjusted for one- and two-person households, April 2009 until October 31, 2013                                  | No change                                                         |
| 2014 Farm Bill                                                         | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| 2018 Farm Bill                                                         | No change                                                                                                                                                   | No change                                                                                                       | No change                                                         |
| FFCRA                                                                  | Issued emergency allotments to all SNAP households receiving less than the maximum benefit that increased a household's benefit to the maximum for its size |                                                                                                                 | No change                                                         |

**Table F.3E. Selected features of SNAP under past legislation—deductions**

| Legislation                                                            | Deductions                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Food Stamp Act of 1964, as amended                                     | Payroll; 10 percent of earnings up to \$30; child care; education; medical over \$10; alimony or child support; casualty losses; shelter in excess of 30 percent of net income                                                                                                                                                                                                                        |
| Food Stamp Act of 1977                                                 | Standard \$60; indexed semiannually to CPI nonfood components; 20 percent of earnings; child care up to \$75; shelter in excess of 50 percent of net, not to exceed \$80 in combination with child care; limit indexed annually in July based on shelter-fuel-utilities component of the CPI                                                                                                          |
| Food Stamp amendments of 1979 and 1980                                 | 1980 act: standard deduction and shelter/child care cap indexed annually in January based on September to September change; 1979 act: people who are elderly or disabled are not subjected to the excess shelter expense deduction maximum and allowed medical expenses over \$35 <sup>a</sup>                                                                                                        |
| OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | 18 percent of earnings; shelter/child care cap set at \$115 with next inflation adjustment on 7/1/83, then on 10/1/84, and each October thereafter                                                                                                                                                                                                                                                    |
| Food Stamp amendments of 1982 and Continuing Resolution of 1984        | Standard deduction raised to \$89; next inflation adjustment delayed until 10/1/83; limited use of standard utility expense allowances                                                                                                                                                                                                                                                                |
| 1985 Food Security Act                                                 | 20 percent of earnings; cap of \$147 on excess shelter expense deduction with indexed increases; cap of \$160 on dependent care not indexed                                                                                                                                                                                                                                                           |
| 1987 Homeless Assistance Act                                           | Increased cap on excess shelter expense deduction for all households certified after 10/1/87                                                                                                                                                                                                                                                                                                          |
| HPA of 1988                                                            | Dependent care deduction increased to \$160 per month per dependent, rather than per household                                                                                                                                                                                                                                                                                                        |
| FACTA                                                                  | No change                                                                                                                                                                                                                                                                                                                                                                                             |
| Amendments to FACTA of 1991                                            | No change                                                                                                                                                                                                                                                                                                                                                                                             |
| MLCHRA                                                                 | Increased cap on excess shelter expense deductions for all households to \$231 after 7/1/94 and to \$247 after 10/1/95; raised the dependent care deduction cap to \$200 a month for each child younger than age 2 and \$175 a month for all other dependents                                                                                                                                         |
| PRWORA                                                                 | Standard deduction frozen at current levels; raised excess shelter expense deduction to \$250 on 1/1/97, to \$275 on 10/1/98, to \$300 on 10/1/00                                                                                                                                                                                                                                                     |
| BBA                                                                    | No change                                                                                                                                                                                                                                                                                                                                                                                             |
| AREERA                                                                 | No change                                                                                                                                                                                                                                                                                                                                                                                             |
| Agriculture Appropriations Act of 2001                                 | Increased the excess shelter cap to \$340 in FY 2001 and then indexed the cap to changes in the CPI for all consumers each year, beginning in fiscal year 2002                                                                                                                                                                                                                                        |
| 2002 Farm Bill                                                         | Changed standard deduction to vary according to household size and be adjusted annually for cost-of-living increases; allowed States to simplify the standard utility allowance if they elected to use it rather than actual utility costs for all households; also allowed States to use a standard deduction of \$143 per month for homeless households with some excess shelter expense deductions |
| 2008 Farm Bill                                                         | Raised the minimum standard deduction for households with one to three members from \$134 to \$144 for FY 2009 and indexed it to inflation starting in FY 2010; eliminated the dependent care deduction cap                                                                                                                                                                                           |
| ARRA                                                                   | No change                                                                                                                                                                                                                                                                                                                                                                                             |
| 2014 Farm Bill                                                         | Tightened standards for households qualifying for standard utility allowances based on receipt of energy assistance                                                                                                                                                                                                                                                                                   |
| 2018 Farm Bill                                                         | Changed homeless households shelter deduction from State option to mandatory. The new rule indexed the current value of \$143 to inflation beginning in Fiscal Year (FY) 2019                                                                                                                                                                                                                         |
| FFCRA                                                                  | No change                                                                                                                                                                                                                                                                                                                                                                                             |

<sup>a</sup> A provision to reduce the medical deduction from \$35 to \$25 was repealed in the Omnibus Budget Reconciliation Act (OBRA) and never implemented.

**Table F.3F. Selected features of SNAP under past legislation—accounting period, categorical eligibility**

| Legislation                                                            | Accounting period                                                                                                                                                 | Categorical eligibility                                                                               |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Food Stamp Act of 1964, as amended                                     | Prospective month                                                                                                                                                 | Public assistance households automatically eligible                                                   |
| Food Stamp Act of 1977                                                 | Prospective month                                                                                                                                                 | Public assistance households not automatically eligible                                               |
| Food Stamp amendments of 1979 and 1980                                 | State option to use either prospective or retrospective with monthly report                                                                                       | No change                                                                                             |
| OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | Retrospective becomes mandatory 10/1/83 for some households, prospective for others                                                                               | No change                                                                                             |
| Food Stamp amendments of 1982 and Continuing Resolution of 1984        | Migrant workers and elderly and disabled households with no earnings exempted from monthly reporting                                                              | No change                                                                                             |
| 1985 Food Security Act                                                 | Retrospective budgeting and monthly reporting required for households with earnings or work history except migrant farmers and people who are elderly or disabled | Categorical eligibility for pure AFDC or SSI households                                               |
| 1987 Homeless Assistance Act                                           | Exempted seasonal farm workers and households in which all members were homeless from monthly reporting requirements                                              | No change                                                                                             |
| HPA of 1988                                                            | No change                                                                                                                                                         | No change                                                                                             |
| FACTA                                                                  | No change                                                                                                                                                         | Expanded categorical eligibility to recipients of certain State and local general assistance payments |
| Amendments to FACTA of 1991                                            | No change                                                                                                                                                         | No change                                                                                             |
| MLCHRA                                                                 | No change                                                                                                                                                         | No change                                                                                             |
| PRWORA                                                                 | No change                                                                                                                                                         | Categorical eligibility for pure TANF (instead of pure AFDC) households                               |
| BBA                                                                    | No change                                                                                                                                                         | No change                                                                                             |
| AREERA                                                                 | No change                                                                                                                                                         | No change                                                                                             |
| Agriculture Appropriations Act of 2001                                 | No change                                                                                                                                                         | No change                                                                                             |
| 2002 Farm Bill                                                         | No change                                                                                                                                                         | No change                                                                                             |
| 2008 Farm Bill                                                         | No change                                                                                                                                                         | No change                                                                                             |
| ARRA                                                                   | No change                                                                                                                                                         | No change                                                                                             |
| 2014 Farm Bill                                                         | No change                                                                                                                                                         | No change                                                                                             |
| 2018 Farm Bill                                                         | No change                                                                                                                                                         | No change                                                                                             |
| FFCRA                                                                  | No change                                                                                                                                                         | No change                                                                                             |

**Table F.3G. Selected features of SNAP under past legislation—work registration requirements and time limits**

| Legislation                                                            | Work registration requirements and time limits                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Food Stamp Act of 1964, as amended                                     | Required work registration and employment as a condition of eligibility for able-bodied adults age 18–65, except for individuals responsible for care of a dependent child or incapacitated adult; students; or individuals employed 30 hours a week                                                                                                                                                                                     |
| Food Stamp Act of 1977                                                 | Lowered age for individuals required to work from 65 to 60; added job search as a work requirement; lowered age for caretaker exemption from 18 to 12 years                                                                                                                                                                                                                                                                              |
| Food Stamp amendments of 1979 and 1980                                 | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | Applied disqualification for voluntarily quitting a job to participants as well as applicants; lowered age for caretaker exemption to age 6                                                                                                                                                                                                                                                                                              |
| Food Stamp amendments of 1982 and Continuing Resolution of 1984        | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1985 Food Security Act                                                 | Disqualified only the violating member rather than the entire household unless that member was also head of household; required all States to implement an employment and training (E&T) program by April 1, 1987                                                                                                                                                                                                                        |
| 1987 Homeless Assistance Act                                           | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HPA of 1988                                                            | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| FACTA                                                                  | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Amendments to FACTA of 1991                                            | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MLCHRA                                                                 | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PRWORA                                                                 | Able-bodied adults without dependents required to work at least 20 hours per week in a job or qualified training program; if individual is subject to, but not complying with, the requirement, he or she is limited to 3 months of benefits in any 36-month period; minimum disqualification periods for individuals who fail to comply with work requirements range from 1 month to permanently, depending on the number of violations |
| BBA                                                                    | Increased funds for SNAP E&T programs but restricted the use of the funds (requiring them to earmark 80 percent for adults age 18–49 without disabilities in childless households); made the funds available until expended; allowed States to grant discretionary exemptions from the time limits for up to 15 percent of the State’s unwaived able-bodied caseload                                                                     |
| AREERA                                                                 | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Agriculture Appropriations Act of 2001                                 | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2002 Farm Bill                                                         | Authorized additional funding for States that pledge to offer work slots to all unemployed childless adults subject to the 3-month time limit, and eliminated the requirement that 80 percent of unmatched funds be used for nondisabled childless adults                                                                                                                                                                                |
| 2008 Farm Bill                                                         | Permitted the use of E&T funds for job retention services for up to 90 days after individuals who received E&T services gain employment                                                                                                                                                                                                                                                                                                  |
| ARRA                                                                   | Allowed States to temporarily suspend the time limit on benefits for nondisabled adults without dependents                                                                                                                                                                                                                                                                                                                               |
| 2014 Farm Bill                                                         | No change                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2018 Farm Bill                                                         | Increased funding for SNAP E&T programs and reduced available caseload exemptions from the time limit for “able-bodied adults without dependents”                                                                                                                                                                                                                                                                                        |
| FFCRA                                                                  | Temporarily and partially suspended the time limit for “able-bodied adults without dependents” participating in SNAP, beginning April 1, 2020                                                                                                                                                                                                                                                                                            |



**Table F.3H. Selected features of SNAP under past legislation—treatment of legally resident noncitizens**

| Legislation                                                            | Treatment of legally resident noncitizens <sup>a</sup>                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Food Stamp Act of 1964, as amended                                     | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| Food Stamp Act of 1977                                                 | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| Food Stamp amendments of 1979 and 1980                                 | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | The 1980 amendments required certification workers to report an ineligible noncitizen to the Immigration and Naturalization Service; income and resources of noncitizens' sponsors were deemed to noncitizen for three years after entry into the country                                                                                       |
| Food Stamp amendments of 1982 and Continuing Resolution of 1984        | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| 1985 Food Security Act                                                 | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| 1987 Homeless Assistance Act                                           | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| HPA of 1988                                                            | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| FACTA                                                                  | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| Amendments to FACTA of 1991                                            | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| MLCHRA                                                                 | No disqualifications                                                                                                                                                                                                                                                                                                                            |
| PRWORA                                                                 | Permanent resident noncitizens disqualified unless they have 40 quarters of qualified work history in the United States or are currently or were formerly members of the U.S. armed forces; members of their families also exempt; refugees, asylees, and deportees eligible for five years after entering the United States                    |
| BBA                                                                    | No change                                                                                                                                                                                                                                                                                                                                       |
| AREERA                                                                 | Restored eligibility to permanent resident noncitizens lawfully in the United States on August 22, 1996, and disabled, blind, or younger than age 18, or 65 or older on August 22, 1996; extended eligibility for refugees, asylees, and deportees from five to seven years after entering the United States                                    |
| Agriculture Appropriations Act of 2001                                 | No change                                                                                                                                                                                                                                                                                                                                       |
| 2002 Farm Bill                                                         | Restored eligibility to qualified noncitizens otherwise eligible for SNAP and who are receiving disability benefits regardless of date of entry (effective FY 2003); are younger than age 18 regardless of date of entry (effective FY 2004); or have lived in the United States for five years as qualified noncitizens (effective April 2003) |
| 2008 Farm Bill                                                         | No change                                                                                                                                                                                                                                                                                                                                       |
| ARRA                                                                   | No change                                                                                                                                                                                                                                                                                                                                       |
| 2014 Farm Bill                                                         | No change                                                                                                                                                                                                                                                                                                                                       |
| 2018 Farm Bill                                                         | No change                                                                                                                                                                                                                                                                                                                                       |
| FFCRA                                                                  | No change                                                                                                                                                                                                                                                                                                                                       |

<sup>a</sup> Unauthorized immigrants have always been ineligible for SNAP.

**Table F.3I. Selected features of SNAP under past legislation—other changes**

| Legislation                                                            | Other changes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Food Stamp Act of 1964, as amended                                     | Nationwide program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Food Stamp Act of 1977                                                 | Eliminated the purchase requirement, which required that all participating households purchase their food stamps, paying an amount commensurate with their income and expenses                                                                                                                                                                                                                                                                                                                                                                                          |
| Food Stamp amendments of 1979 and 1980                                 | Increased State incentives for reducing error; Social Security numbers required; limits on eligible students; residents of shelters for battered women and disabled in small groups may participate; established quality control system                                                                                                                                                                                                                                                                                                                                 |
| OBRA of 1981 and Food Stamp amendments and Reauthorization Act of 1981 | Tightened definition of household, no extra benefits for strikers, prorated first month benefits; for Puerto Rico, replaced the Food Stamp Program with a block grant Nutrition Assistance Program                                                                                                                                                                                                                                                                                                                                                                      |
| Food Stamp amendments of 1982 and Continuing Resolution of 1984        | Replaced three-tiered incentive system with increased administrative funding for States with error rates below 5 percent, limited student eligibility, benefits rounded down, job search requirements, Puerto Rico cashout prohibited; SNAP household definition altered; no initial-month benefits less than \$10; Supplemental Security Income and Social Security cost-of-living adjustments disregarded up to three months; new definition of disabled                                                                                                              |
| 1985 Food Security Act                                                 | New definition of disabled; Puerto Rico block grant funds; Job Training Partnership Act students exempted from categorical restriction; residents of publicly operated mental health centers may participate                                                                                                                                                                                                                                                                                                                                                            |
| 1987 Homeless Assistance Act                                           | Outreach to homeless individuals and other hard-to-serve groups; simplified application process for these groups; expanded eligibility for expedited source                                                                                                                                                                                                                                                                                                                                                                                                             |
| HPA of 1988                                                            | Expanded the definition of disabled; excluded advanced earned income tax credit payments as income                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| FACTA                                                                  | Rules for student eligibility modified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Amendments to FACTA of 1991                                            | All Title IV payments and Bureau of Indian Affairs educational assistance excluded from the program's countable income (Higher Education Amendments of 1992 [PL 102-325])                                                                                                                                                                                                                                                                                                                                                                                               |
| MLCHRA                                                                 | Simplified the household definition by allowing individuals who live together but do not purchase and prepare food together to be in separate program households; spouses still must be in the same household                                                                                                                                                                                                                                                                                                                                                           |
| PRWORA                                                                 | A child younger than age 22 living with parents must apply as part of the parents' household even if the child is married or has children; all States must convert food stamp benefits from paper coupons to electronic benefit transfer systems by 10/1/02                                                                                                                                                                                                                                                                                                             |
| BBA                                                                    | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| AREERA                                                                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Agriculture Appropriations Act of 2001                                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2002 Farm Bill                                                         | Allowed States to offer transitional SNAP benefits for up to five months after households lose TANF cash assistance and allowed States to extend semiannual reporting of changes to all households not exempt from periodic reporting                                                                                                                                                                                                                                                                                                                                   |
| 2008 Farm Bill                                                         | Renamed the Food Stamp Program the Supplemental Nutrition Assistance Program; renamed the Food Stamp Act of 1977 the Food and Nutrition Act of 2008; prohibited issuance of paper coupons effective 6/18/08; food stamp coupons no longer redeemable at stores after 8/17/09; allowed States to place all households on simplified reporting; allowed State agencies to provide transitional food stamp benefits to households that cease to receive cash assistance; and allowed applicants to sign an application through a recorded verbal assent over the telephone |
| ARRA                                                                   | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2014 Farm Bill                                                         | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2018 Farm Bill                                                         | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| FFCRA                                                                  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



**APPENDIX G**

**HISTORICAL SNAP ELIGIBILITY PARAMETERS**



**Table G.1. Monthly SNAP gross income screen, 1982 to 2020**

| Analysis period   | Household size |       |       |         |         |         |         |         | Each additional |
|-------------------|----------------|-------|-------|---------|---------|---------|---------|---------|-----------------|
|                   | 1              | 2     | 3     | 4       | 5       | 6       | 7       | 8       |                 |
| August 1982       |                |       |       |         |         |         |         |         |                 |
| Contiguous States | \$507          | \$674 | \$841 | \$1,008 | \$1,175 | \$1,342 | \$1,508 | \$1,675 | + 167           |
| Alaska            | 636            | 844   | 1,052 | 1,260   | 1,468   | 1,676   | 1,884   | 2,092   | + 208           |
| Hawaii            | 584            | 776   | 968   | 1,160   | 1,351   | 1,543   | 1,735   | 1,927   | + 192           |
| August 1984       |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 540            | 728   | 917   | 1,105   | 1,294   | 1,482   | 1,671   | 1,859   | + 189           |
| Alaska            | 676            | 912   | 1,147 | 1,382   | 1,617   | 1,852   | 2,087   | 2,322   | + 236           |
| Hawaii            | 621            | 838   | 1,055 | 1,271   | 1,488   | 1,705   | 1,921   | 2,138   | + 217           |
| August 1986       |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 582            | 786   | 988   | 1,193   | 1,397   | 1,599   | 1,804   | 2,008   | + 205           |
| Alaska            | 727            | 982   | 1,235 | 1,490   | 1,745   | 2,000   | 2,252   | 2,509   | + 255           |
| Hawaii            | 670            | 904   | 1,138 | 1,372   | 1,606   | 1,840   | 2,074   | 2,308   | + 234           |
| August 1988       |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 596            | 802   | 1,008 | 1,214   | 1,420   | 1,625   | 1,831   | 2,037   | + 206           |
| Alaska            | 744            | 1,001 | 1,259 | 1,517   | 1,775   | 2,033   | 2,291   | 2,548   | + 258           |
| Hawaii            | 684            | 921   | 1,159 | 1,396   | 1,633   | 1,870   | 2,108   | 2,345   | + 238           |
| August 1990       |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 648            | 869   | 1,090 | 1,311   | 1,532   | 1,753   | 1,974   | 2,195   | + 221           |
| Alaska            | 811            | 1,087 | 1,363 | 1,640   | 1,916   | 2,192   | 2,468   | 2,745   | + 277           |
| Hawaii            | 745            | 999   | 1,254 | 1,508   | 1,763   | 2,018   | 2,272   | 2,527   | + 255           |
| August 1991       |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 681            | 913   | 1,144 | 1,376   | 1,608   | 1,840   | 2,072   | 2,304   | + 232           |
| Alaska            | 850            | 1,140 | 1,430 | 1,721   | 2,011   | 2,301   | 2,592   | 2,882   | + 291           |
| Hawaii            | 784            | 1,050 | 1,317 | 1,583   | 1,850   | 2,116   | 2,383   | 2,649   | + 267           |
| August 1992       |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 718            | 962   | 1,207 | 1,452   | 1,697   | 1,942   | 2,187   | 2,431   | + 245           |
| Alaska            | 899            | 1,204 | 1,510 | 1,815   | 2,121   | 2,426   | 2,732   | 3,037   | + 306           |
| Hawaii            | 825            | 1,107 | 1,388 | 1,670   | 1,952   | 2,233   | 2,515   | 2,797   | + 282           |
| August 1993       |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 738            | 996   | 1,254 | 1,512   | 1,770   | 2,027   | 2,285   | 2,543   | + 258           |
| Alaska            | 921            | 1,244 | 1,567 | 1,890   | 2,213   | 2,535   | 2,858   | 3,181   | + 323           |
| Hawaii            | 849            | 1,146 | 1,442 | 1,739   | 2,036   | 2,333   | 2,630   | 2,927   | + 297           |
| September 1994    |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 756            | 1,022 | 1,289 | 1,555   | 1,822   | 2,088   | 2,355   | 2,621   | + 267           |
| Alaska            | 943            | 1,277 | 1,610 | 1,944   | 2,278   | 2,611   | 2,945   | 3,279   | + 334           |
| Hawaii            | 871            | 1,177 | 1,482 | 1,788   | 2,093   | 2,399   | 2,704   | 3,010   | + 306           |
| September 1995    |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 798            | 1,066 | 1,335 | 1,604   | 1,872   | 2,141   | 2,410   | 2,678   | + 269           |
| Alaska            | 997            | 1,333 | 1,669 | 2,005   | 2,340   | 2,676   | 3,012   | 3,348   | + 336           |
| Hawaii            | 918            | 1,227 | 1,536 | 1,844   | 2,153   | 2,462   | 2,771   | 3,079   | + 309           |
| September 1996    |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 810            | 1,087 | 1,364 | 1,642   | 1,919   | 2,196   | 2,474   | 2,751   | + 278           |
| Alaska            | 1,012          | 1,359 | 1,706 | 2,052   | 2,399   | 2,746   | 3,092   | 3,439   | + 347           |
| Hawaii            | 933            | 1,252 | 1,570 | 1,889   | 2,207   | 2,526   | 2,844   | 3,163   | + 319           |
| September 1997    |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 839            | 1,123 | 1,407 | 1,690   | 1,974   | 2,258   | 2,542   | 2,826   | + 284           |
| Alaska            | 1,047          | 1,402 | 1,758 | 2,113   | 2,468   | 2,824   | 3,179   | 3,534   | + 356           |
| Hawaii            | 966            | 1,292 | 1,618 | 1,944   | 2,270   | 2,596   | 2,922   | 3,248   | + 327           |
| September 1998    |                |       |       |         |         |         |         |         |                 |
| Contiguous States | 855            | 1,150 | 1,445 | 1,739   | 2,034   | 2,329   | 2,623   | 2,918   | + 295           |
| Alaska            | 1,070          | 1,438 | 1,806 | 2,175   | 2,543   | 2,911   | 3,280   | 3,648   | + 369           |
| Hawaii            | 983            | 1,322 | 1,661 | 2,000   | 2,339   | 2,678   | 3,018   | 3,357   | + 340           |

**Table G.1. (continued)**

| Analysis period              | Household size |       |       |       |       |       |       |       | Each additional |
|------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-----------------|
|                              | 1              | 2     | 3     | 4     | 5     | 6     | 7     | 8     |                 |
| September 1999               |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 873            | 1,176 | 1,479 | 1,783 | 2,086 | 2,389 | 2,693 | 2,996 | + 304           |
| Alaska                       | 1,091          | 1,471 | 1,850 | 2,229 | 2,608 | 2,987 | 3,366 | 3,746 | + 380           |
| Hawaii                       | 1,004          | 1,352 | 1,701 | 2,050 | 2,399 | 2,748 | 3,097 | 3,445 | + 349           |
| September 2000               |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 893            | 1,199 | 1,504 | 1,810 | 2,115 | 2,421 | 2,726 | 3,032 | + 306           |
| Alaska                       | 1,118          | 1,500 | 1,881 | 2,262 | 2,644 | 3,025 | 3,406 | 3,788 | + 382           |
| Hawaii                       | 1,029          | 1,380 | 1,731 | 2,082 | 2,433 | 2,784 | 3,135 | 3,486 | + 351           |
| FY 2001                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 905            | 1,219 | 1,533 | 1,848 | 2,162 | 2,476 | 2,790 | 3,104 | + 315           |
| Alaska                       | 1,130          | 1,524 | 1,917 | 2,310 | 2,703 | 3,097 | 3,490 | 3,883 | + 394           |
| Hawaii                       | 1,039          | 1,401 | 1,763 | 2,125 | 2,487 | 2,849 | 3,210 | 3,572 | + 362           |
| FY 2002                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 931            | 1,258 | 1,585 | 1,913 | 2,240 | 2,567 | 2,894 | 3,221 | + 328           |
| Alaska                       | 1,163          | 1,572 | 1,982 | 2,391 | 2,801 | 3,210 | 3,620 | 4,029 | + 410           |
| Hawaii                       | 1,072          | 1,448 | 1,824 | 2,200 | 2,576 | 2,951 | 3,327 | 3,703 | + 376           |
| FY 2003                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 960            | 1,294 | 1,628 | 1,961 | 2,295 | 2,629 | 2,962 | 3,296 | + 334           |
| Alaska                       | 1,201          | 1,618 | 2,035 | 2,452 | 2,869 | 3,286 | 3,703 | 4,120 | + 418           |
| Hawaii                       | 1,105          | 1,489 | 1,872 | 2,256 | 2,639 | 3,023 | 3,406 | 3,790 | + 384           |
| FY 2004                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 973            | 1,313 | 1,654 | 1,994 | 2,334 | 2,674 | 3,014 | 3,354 | + 341           |
| Alaska                       | 1,215          | 1,641 | 2,066 | 2,492 | 2,918 | 3,344 | 3,769 | 4,195 | + 426           |
| Hawaii                       | 1,120          | 1,511 | 1,902 | 2,293 | 2,684 | 3,075 | 3,466 | 3,857 | + 392           |
| FY 2005                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,009          | 1,354 | 1,698 | 2,043 | 2,387 | 2,732 | 3,076 | 3,421 | + 345           |
| Alaska                       | 1,260          | 1,692 | 2,123 | 2,554 | 2,985 | 3,416 | 3,847 | 4,279 | + 432           |
| Hawaii                       | 1,160          | 1,556 | 1,953 | 2,349 | 2,746 | 3,142 | 3,539 | 3,935 | + 397           |
| FY 2006                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,037          | 1,390 | 1,744 | 2,097 | 2,450 | 2,803 | 3,156 | 3,509 | + 354           |
| Alaska                       | 1,295          | 1,737 | 2,179 | 2,621 | 3,063 | 3,505 | 3,947 | 4,389 | + 442           |
| Hawaii                       | 1,193          | 1,599 | 2,006 | 2,412 | 2,818 | 3,224 | 3,631 | 4,037 | + 407           |
| FY 2007                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,062          | 1,430 | 1,799 | 2,167 | 2,535 | 2,904 | 3,272 | 3,640 | + 369           |
| Alaska                       | 1,328          | 1,788 | 2,248 | 2,709 | 3,169 | 3,630 | 4,090 | 4,550 | + 461           |
| Hawaii                       | 1,221          | 1,645 | 2,069 | 2,492 | 2,916 | 3,339 | 3,763 | 4,186 | + 424           |
| FY 2008                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,107          | 1,484 | 1,861 | 2,238 | 2,615 | 2,992 | 3,369 | 3,746 | + 377           |
| Alaska                       | 1,384          | 1,855 | 2,326 | 2,798 | 3,269 | 3,740 | 4,211 | 4,683 | + 472           |
| Hawaii                       | 1,273          | 1,707 | 2,140 | 2,573 | 3,007 | 3,440 | 3,873 | 4,307 | + 434           |
| October 2008 to March 2009   |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,127          | 1,517 | 1,907 | 2,297 | 2,687 | 3,077 | 3,467 | 3,857 | + 390           |
| Alaska                       | 1,409          | 1,896 | 2,384 | 2,871 | 3,359 | 3,846 | 4,334 | 4,821 | + 488           |
| Hawaii                       | 1,296          | 1,745 | 2,193 | 2,642 | 3,090 | 3,539 | 3,987 | 4,436 | + 449           |
| April 2009 to September 2009 |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,127          | 1,517 | 1,907 | 2,297 | 2,687 | 3,077 | 3,467 | 3,857 | + 390           |
| Alaska                       | 1,409          | 1,896 | 2,384 | 2,871 | 3,359 | 3,846 | 4,334 | 4,821 | + 488           |
| Hawaii                       | 1,296          | 1,745 | 2,193 | 2,642 | 3,090 | 3,539 | 3,987 | 4,436 | + 449           |
| FY 2010                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,174          | 1,579 | 1,984 | 2,389 | 2,794 | 3,200 | 3,605 | 4,010 | + 406           |
| Alaska                       | 1,466          | 1,973 | 2,480 | 2,987 | 3,494 | 4,001 | 4,508 | 5,015 | + 507           |
| Hawaii                       | 1,350          | 1,816 | 2,282 | 2,748 | 3,214 | 3,679 | 4,145 | 4,611 | + 466           |

**Table G.1. (continued)**

| Table 3.1: (continued) |                |       |       |       |       |       |       |       |                 |
|------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-----------------|
|                        | Household size |       |       |       |       |       |       |       |                 |
| Analysis period        | 1              | 2     | 3     | 4     | 5     | 6     | 7     | 8     | Each additional |
| FY 2011                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,174          | 1,579 | 1,984 | 2,389 | 2,794 | 3,200 | 3,605 | 4,010 | + 406           |
| Alaska                 | 1,466          | 1,973 | 2,480 | 2,987 | 3,494 | 4,001 | 4,508 | 5,015 | + 507           |
| Hawaii                 | 1,350          | 1,816 | 2,282 | 2,748 | 3,214 | 3,679 | 4,145 | 4,611 | + 466           |
| FY 2012                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,180          | 1,594 | 2,008 | 2,422 | 2,836 | 3,249 | 3,663 | 4,077 | + 414           |
| Alaska                 | 1,474          | 1,992 | 2,509 | 3,027 | 3,545 | 4,063 | 4,581 | 5,099 | + 518           |
| Hawaii                 | 1,359          | 1,835 | 2,310 | 2,786 | 3,261 | 3,737 | 4,212 | 4,688 | + 476           |
| FY 2013                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,211          | 1,640 | 2,069 | 2,498 | 2,927 | 3,356 | 3,785 | 4,214 | + 429           |
| Alaska                 | 1,514          | 2,050 | 2,586 | 3,123 | 3,659 | 4,195 | 4,731 | 5,268 | + 537           |
| Hawaii                 | 1,394          | 1,887 | 2,379 | 2,872 | 3,365 | 3,858 | 4,351 | 4,844 | + 493           |
| FY 2014                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,245          | 1,681 | 2,116 | 2,552 | 2,987 | 3,423 | 3,858 | 4,294 | + 436           |
| Alaska                 | 1,555          | 2,100 | 2,645 | 3,190 | 3,735 | 4,280 | 4,825 | 5,369 | + 545           |
| Hawaii                 | 1,434          | 1,934 | 2,435 | 2,935 | 3,436 | 3,936 | 4,437 | 4,937 | + 501           |
| FY 2015                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,265          | 1,705 | 2,144 | 2,584 | 3,024 | 3,464 | 3,904 | 4,344 | +440            |
| Alaska                 | 1,580          | 2,130 | 2,681 | 3,231 | 3,781 | 4,332 | 4,882 | 5,432 | +551            |
| Hawaii                 | 1,454          | 1,960 | 2,466 | 2,972 | 3,478 | 3,984 | 4,490 | 4,996 | +506            |
| FY 2016                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,276          | 1,726 | 2,177 | 2,628 | 3,078 | 3,529 | 3,980 | 4,430 | +451            |
| Alaska                 | 1,595          | 2,158 | 2,722 | 3,285 | 3,848 | 4,412 | 4,975 | 5,538 | +564            |
| Hawaii                 | 1,468          | 1,986 | 2,504 | 3,022 | 3,540 | 4,058 | 4,575 | 5,093 | +518            |
| FY 2017                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,287          | 1,736 | 2,184 | 2,633 | 3,081 | 3,530 | 3,980 | 4,430 | +451            |
| Alaska                 | 1,608          | 2,169 | 2,730 | 3,292 | 3,853 | 4,414 | 4,975 | 5,538 | +564            |
| Hawaii                 | 1,481          | 1,997 | 2,513 | 3,028 | 3,544 | 4,060 | 4,575 | 5,093 | +518            |
| FY 2018                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,307          | 1,760 | 2,213 | 2,665 | 3,118 | 3,571 | 4,024 | 4,477 | +453            |
| Alaska                 | 1,632          | 2,199 | 2,765 | 3,332 | 3,898 | 4,465 | 5,031 | 5,598 | +567            |
| Hawaii                 | 1,502          | 2,023 | 2,544 | 3,065 | 3,586 | 4,107 | 4,628 | 5,150 | +522            |
| FY 2019                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,316          | 1,784 | 2,252 | 2,720 | 3,188 | 3,656 | 4,124 | 4,592 | +468            |
| Alaska                 | 1,645          | 2,230 | 2,815 | 3,400 | 3,985 | 4,570 | 5,155 | 5,740 | +585            |
| Hawaii                 | 1,513          | 2,051 | 2,590 | 3,128 | 3,666 | 4,205 | 4,743 | 5,282 | +539            |
| FY 2020                |                |       |       |       |       |       |       |       |                 |
| Contiguous States      | 1,354          | 1,832 | 2,311 | 2,790 | 3,269 | 3,748 | 4,227 | 4,705 | +479            |
| Alaska                 | 1,690          | 2,290 | 2,889 | 3,488 | 4,087 | 4,686 | 5,285 | 5,884 | +600            |
| Hawaii                 | 1,558          | 2,109 | 2,659 | 3,209 | 3,760 | 4,310 | 4,860 | 5,411 | +551            |

Source: U.S. Department of Agriculture.



**Table G.2. Monthly SNAP net income screen, 1976 to 2020**

| Analysis period   | Household size |       |       |       |       |       |       |       | Each additional |
|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-----------------|
|                   | 1              | 2     | 3     | 4     | 5     | 6     | 7     | 8     |                 |
| September 1976    |                |       |       |       |       |       |       |       |                 |
| Contiguous States | \$245          | \$322 | \$433 | \$553 | \$660 | \$787 | \$873 | \$993 | + 127           |
| Alaska            | 307            | 413   | 593   | 753   | 893   | 1,073 | 1,187 | 1,353 | + 167           |
| Hawaii            | 273            | 407   | 580   | 740   | 880   | 1,053 | 1,167 | 1,333 | + 166           |
| February 1978     |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 262            | 344   | 460   | 580   | 687   | 827   | 913   | 1,047 | + 133           |
| Alaska            | 328            | 447   | 633   | 807   | 960   | 1,147 | 1,273 | 1,453 | + 180           |
| Hawaii            | 286            | 427   | 607   | 773   | 920   | 1,100 | 1,220 | 1,393 | + 173           |
| August 1980       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 316            | 418   | 520   | 621   | 723   | 825   | 926   | 1,028 | + 102           |
| Alaska            | 397            | 524   | 650   | 777   | 904   | 1,030 | 1,157 | 1,284 | + 127           |
| Hawaii            | 365            | 481   | 598   | 715   | 831   | 948   | 1,065 | 1,181 | + 117           |
| August 1982       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 390            | 519   | 647   | 775   | 904   | 1,032 | 1,160 | 1,289 | + 129           |
| Alaska            | 490            | 650   | 810   | 970   | 1,130 | 1,290 | 1,450 | 1,610 | + 160           |
| Hawaii            | 450            | 597   | 745   | 892   | 1,040 | 1,187 | 1,335 | 1,482 | + 148           |
| August 1984       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 415            | 560   | 705   | 850   | 995   | 1,140 | 1,285 | 1,430 | + 145           |
| Alaska            | 520            | 701   | 882   | 1,063 | 1,244 | 1,425 | 1,605 | 1,786 | + 181           |
| Hawaii            | 478            | 645   | 811   | 978   | 1,145 | 1,311 | 1,478 | 1,645 | + 167           |
| August 1986       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 447            | 604   | 760   | 917   | 1,074 | 1,230 | 1,387 | 1,544 | + 157           |
| Alaska            | 559            | 755   | 950   | 1,146 | 1,342 | 1,538 | 1,732 | 1,930 | + 196           |
| Hawaii            | 515            | 695   | 875   | 1,055 | 1,235 | 1,415 | 1,595 | 1,775 | + 180           |
| August 1988       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 459            | 617   | 775   | 934   | 1,092 | 1,250 | 1,409 | 1,567 | + 158           |
| Alaska            | 572            | 770   | 969   | 1,167 | 1,365 | 1,564 | 1,762 | 1,960 | + 198           |
| Hawaii            | 526            | 709   | 891   | 1,074 | 1,256 | 1,439 | 1,621 | 1,804 | + 183           |
| August 1990       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 499            | 669   | 839   | 1,009 | 1,179 | 1,349 | 1,519 | 1,689 | + 170           |
| Alaska            | 624            | 836   | 1,049 | 1,261 | 1,474 | 1,686 | 1,899 | 2,111 | + 213           |
| Hawaii            | 573            | 769   | 965   | 1,160 | 1,356 | 1,552 | 1,748 | 1,944 | + 196           |
| August 1991       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 524            | 702   | 880   | 1,059 | 1,237 | 1,415 | 1,594 | 1,772 | + 179           |
| Alaska            | 654            | 877   | 1,100 | 1,324 | 1,547 | 1,770 | 1,994 | 2,217 | + 224           |
| Hawaii            | 603            | 808   | 1,013 | 1,218 | 1,423 | 1,628 | 1,833 | 2,038 | + 205           |
| August 1992       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 552            | 740   | 929   | 1,117 | 1,305 | 1,494 | 1,682 | 1,870 | + 189           |
| Alaska            | 691            | 926   | 1,161 | 1,396 | 1,631 | 1,866 | 2,101 | 2,336 | + 235           |
| Hawaii            | 635            | 851   | 1,068 | 1,285 | 1,501 | 1,718 | 1,935 | 2,151 | + 217           |
| August 1993       |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 568            | 766   | 965   | 1,163 | 1,361 | 1,560 | 1,758 | 1,956 | + 199           |
| Alaska            | 709            | 957   | 1,205 | 1,454 | 1,702 | 1,950 | 2,199 | 2,447 | + 249           |
| Hawaii            | 653            | 881   | 1,110 | 1,338 | 1,566 | 1,795 | 2,023 | 2,251 | + 229           |
| September 1994    |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 581            | 786   | 991   | 1,196 | 1,401 | 1,606 | 1,811 | 2,016 | + 205           |
| Alaska            | 725            | 982   | 1,239 | 1,495 | 1,752 | 2,009 | 2,265 | 2,522 | + 257           |
| Hawaii            | 670            | 905   | 1,140 | 1,375 | 1,610 | 1,845 | 2,080 | 2,315 | + 235           |
| September 1995    |                |       |       |       |       |       |       |       |                 |
| Contiguous States | 614            | 820   | 1,027 | 1,234 | 1,440 | 1,647 | 1,854 | 2,060 | + 207           |
| Alaska            | 767            | 1,025 | 1,284 | 1,542 | 1,800 | 2,059 | 2,317 | 2,575 | + 259           |
| Hawaii            | 706            | 944   | 1,181 | 1,419 | 1,656 | 1,894 | 2,131 | 2,369 | + 238           |

**Table G.2. (continued)**

| Analysis period            | Household size |       |       |       |       |       |       |       | Each additional |
|----------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-----------------|
|                            | 1              | 2     | 3     | 4     | 5     | 6     | 7     | 8     |                 |
| September 1996             |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 623            | 836   | 1,050 | 1,263 | 1,476 | 1,690 | 1,903 | 2,116 | + 214           |
| Alaska                     | 779            | 1,045 | 1,312 | 1,579 | 1,845 | 2,112 | 2,379 | 2,645 | + 267           |
| Hawaii                     | 718            | 963   | 1,208 | 1,453 | 1,698 | 1,943 | 2,188 | 2,433 | + 245           |
| September 1997             |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 645            | 864   | 1,082 | 1,300 | 1,519 | 1,737 | 1,955 | 2,174 | + 219           |
| Alaska                     | 805            | 1,079 | 1,352 | 1,625 | 1,899 | 2,172 | 2,445 | 2,719 | + 274           |
| Hawaii                     | 743            | 994   | 1,245 | 1,495 | 1,746 | 1,997 | 2,248 | 2,499 | + 251           |
| September 1998             |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 658            | 885   | 1,111 | 1,338 | 1,565 | 1,791 | 2,018 | 2,245 | + 227           |
| Alaska                     | 823            | 1,106 | 1,390 | 1,673 | 1,956 | 2,240 | 2,523 | 2,806 | + 284           |
| Hawaii                     | 756            | 1,017 | 1,278 | 1,539 | 1,800 | 2,060 | 2,321 | 2,582 | + 261           |
| September 1999             |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 671            | 905   | 1,138 | 1,371 | 1,605 | 1,838 | 2,071 | 2,305 | + 234           |
| Alaska                     | 840            | 1,131 | 1,423 | 1,715 | 2,006 | 2,298 | 2,590 | 2,881 | + 292           |
| Hawaii                     | 772            | 1,040 | 1,309 | 1,577 | 1,845 | 2,114 | 2,382 | 2,650 | + 269           |
| September 2000             |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 687            | 922   | 1,157 | 1,392 | 1,627 | 1,862 | 2,097 | 2,332 | + 235           |
| Alaska                     | 860            | 1,154 | 1,447 | 1,740 | 2,034 | 2,327 | 2,620 | 2,914 | + 294           |
| Hawaii                     | 791            | 1,061 | 1,331 | 1,601 | 1,871 | 2,141 | 2,411 | 2,681 | + 270           |
| FY 2001                    |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 696            | 938   | 1,180 | 1,421 | 1,663 | 1,905 | 2,146 | 2,388 | + 242           |
| Alaska                     | 870            | 1,172 | 1,475 | 1,777 | 2,080 | 2,382 | 2,685 | 2,987 | + 303           |
| Hawaii                     | 800            | 1,078 | 1,356 | 1,635 | 1,913 | 2,191 | 2,470 | 2,748 | + 279           |
| FY 2002                    |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 716            | 968   | 1,220 | 1,471 | 1,723 | 1,975 | 2,226 | 2,478 | + 252           |
| Alaska                     | 895            | 1,210 | 1,525 | 1,840 | 2,155 | 2,470 | 2,785 | 3,100 | + 315           |
| Hawaii                     | 825            | 1,114 | 1,403 | 1,692 | 1,981 | 2,270 | 2,560 | 2,849 | + 290           |
| FY 2003                    |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 739            | 995   | 1,252 | 1,509 | 1,765 | 2,022 | 2,279 | 2,535 | + 257           |
| Alaska                     | 924            | 1,245 | 1,565 | 1,886 | 2,207 | 2,528 | 2,849 | 3,170 | + 321           |
| Hawaii                     | 850            | 1,145 | 1,440 | 1,735 | 2,030 | 2,325 | 2,620 | 2,915 | + 295           |
| FY 2004                    |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 749            | 1,010 | 1,272 | 1,534 | 1,795 | 2,057 | 2,319 | 2,580 | + 262           |
| Alaska                     | 935            | 1,262 | 1,590 | 1,917 | 2,245 | 2,572 | 2,900 | 3,227 | + 328           |
| Hawaii                     | 861            | 1,162 | 1,463 | 1,764 | 2,065 | 2,365 | 2,666 | 2,967 | + 301           |
| FY 2005                    |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 776            | 1,041 | 1,306 | 1,571 | 1,836 | 2,101 | 2,366 | 2,631 | + 265           |
| Alaska                     | 970            | 1,301 | 1,633 | 1,965 | 2,296 | 2,628 | 2,960 | 3,291 | + 332           |
| Hawaii                     | 892            | 1,197 | 1,502 | 1,807 | 2,112 | 2,417 | 2,722 | 3,027 | + 305           |
| FY 2006                    |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 798            | 1,070 | 1,341 | 1,613 | 1,885 | 2,156 | 2,428 | 2,700 | + 272           |
| Alaska                     | 996            | 1,336 | 1,676 | 2,016 | 2,356 | 2,696 | 3,036 | 3,376 | + 340           |
| Hawaii                     | 918            | 1,230 | 1,543 | 1,855 | 2,168 | 2,480 | 2,793 | 3,105 | + 313           |
| FY 2007                    |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 817            | 1,100 | 1,384 | 1,667 | 1,950 | 2,234 | 2,517 | 2,800 | + 284           |
| Alaska                     | 1,021          | 1,375 | 1,730 | 2,084 | 2,438 | 2,792 | 3,146 | 3,500 | + 355           |
| Hawaii                     | 940            | 1,265 | 1,591 | 1,917 | 2,243 | 2,569 | 2,895 | 3,220 | + 326           |
| FY 2008                    |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 851            | 1,141 | 1,431 | 1,721 | 2,011 | 2,301 | 2,591 | 2,881 | + 290           |
| Alaska                     | 1,065          | 1,427 | 1,790 | 2,152 | 2,515 | 2,877 | 3,240 | 3,602 | + 363           |
| Hawaii                     | 980            | 1,313 | 1,646 | 1,980 | 2,313 | 2,646 | 2,980 | 3,313 | + 334           |
| October 2008 to March 2009 |                |       |       |       |       |       |       |       |                 |
| Contiguous States          | 867            | 1,167 | 1,467 | 1,767 | 2,067 | 2,367 | 2,667 | 2,967 | + 300           |
| Alaska                     | 1,084          | 1,459 | 1,834 | 2,209 | 2,584 | 2,959 | 3,334 | 3,709 | + 375           |
| Hawaii                     | 997            | 1,342 | 1,687 | 2,032 | 2,377 | 2,722 | 3,067 | 3,412 | + 345           |

**Table G.2. (continued)**

| Analysis period              | Household size |       |       |       |       |       |       |       | Each additional |
|------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-----------------|
|                              | 1              | 2     | 3     | 4     | 5     | 6     | 7     | 8     |                 |
| April 2009 to September 2009 |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 867            | 1,167 | 1,467 | 1,767 | 2,067 | 2,367 | 2,667 | 2,967 | + 300           |
| Alaska                       | 1,084          | 1,459 | 1,834 | 2,209 | 2,584 | 2,959 | 3,334 | 3,709 | + 375           |
| Hawaii                       | 997            | 1,342 | 1,687 | 2,032 | 2,377 | 2,722 | 3,067 | 3,412 | + 345           |
| FY 2010                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 903            | 1,215 | 1,526 | 1,838 | 2,150 | 2,461 | 2,773 | 3,085 | + 312           |
| Alaska                       | 1,128          | 1,518 | 1,908 | 2,298 | 2,688 | 3,078 | 3,468 | 3,858 | + 390           |
| Hawaii                       | 1,039          | 1,397 | 1,755 | 2,114 | 2,472 | 2,830 | 3,189 | 3,547 | + 359           |
| FY 2011                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 903            | 1,215 | 1,526 | 1,838 | 2,150 | 2,461 | 2,773 | 3,085 | + 312           |
| Alaska                       | 1,128          | 1,518 | 1,908 | 2,298 | 2,688 | 3,078 | 3,468 | 3,858 | + 390           |
| Hawaii                       | 1,039          | 1,397 | 1,755 | 2,114 | 2,472 | 2,830 | 3,189 | 3,547 | + 359           |
| FY 2012                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 908            | 1,226 | 1,545 | 1,863 | 2,181 | 2,500 | 2,818 | 3,136 | + 319           |
| Alaska                       | 1,134          | 1,532 | 1,930 | 2,329 | 2,727 | 3,125 | 3,524 | 3,922 | + 399           |
| Hawaii                       | 1,045          | 1,411 | 1,777 | 2,143 | 2,509 | 2,875 | 3,240 | 3,606 | + 366           |
| FY 2013                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 931            | 1,261 | 1,591 | 1,921 | 2,251 | 2,581 | 2,911 | 3,241 | + 330           |
| Alaska                       | 1,165          | 1,577 | 1,990 | 2,402 | 2,815 | 3,227 | 3,640 | 4,052 | + 413           |
| Hawaii                       | 1,072          | 1,451 | 1,830 | 2,210 | 2,589 | 2,968 | 3,347 | 3,726 | + 380           |
| FY 2014                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 958            | 1,293 | 1,628 | 1,963 | 2,298 | 2,633 | 2,968 | 3,303 | + 335           |
| Alaska                       | 1,196          | 1,615 | 2,035 | 2,454 | 2,873 | 3,292 | 3,711 | 4,130 | + 420           |
| Hawaii                       | 1,103          | 1,488 | 1,873 | 2,258 | 2,643 | 3,028 | 3,413 | 3,798 | + 385           |
| FY 2015                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 973            | 1,311 | 1,650 | 1,988 | 2,326 | 2,665 | 3,003 | 3,341 | +339            |
| Alaska                       | 1,215          | 1,639 | 2,062 | 2,485 | 2,909 | 3,332 | 3,755 | 4,179 | +424            |
| Hawaii                       | 1,119          | 1,508 | 1,897 | 2,286 | 2,675 | 3,065 | 3,454 | 3,843 | +390            |
| FY 2016                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 981            | 1,328 | 1,675 | 2,021 | 2,368 | 2,715 | 3,061 | 3,408 | +347            |
| Alaska                       | 1,227          | 1,660 | 2,094 | 2,527 | 2,960 | 3,394 | 3,827 | 4,260 | +434            |
| Hawaii                       | 1,130          | 1,528 | 1,926 | 2,325 | 2,723 | 3,121 | 3,520 | 3,918 | +399            |
| FY 2017                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 990            | 1,335 | 1,680 | 2,025 | 2,370 | 2,715 | 3,061 | 3,408 | +347            |
| Alaska                       | 1,237          | 1,669 | 2,100 | 2,532 | 2,964 | 3,395 | 3,827 | 4,260 | +434            |
| Hawaii                       | 1,140          | 1,536 | 1,933 | 2,330 | 2,726 | 3,123 | 3,520 | 3,918 | +399            |
| FY 2018                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,005          | 1,354 | 1,702 | 2,050 | 2,399 | 2,747 | 3,095 | 3,444 | +349            |
| Alaska                       | 1,255          | 1,691 | 2,127 | 2,563 | 2,999 | 3,435 | 3,870 | 4,306 | +436            |
| Hawaii                       | 1,155          | 1,556 | 1,957 | 2,358 | 2,759 | 3,160 | 3,560 | 3,961 | +401            |
| FY 2019                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,012          | 1,372 | 1,732 | 2,092 | 2,452 | 2,812 | 3,172 | 3,532 | +360            |
| Alaska                       | 1,265          | 1,715 | 2,165 | 2,615 | 3,065 | 3,515 | 3,965 | 4,415 | +450            |
| Hawaii                       | 1,164          | 1,578 | 1,992 | 2,406 | 2,820 | 3,235 | 3,649 | 4,063 | +415            |
| FY 2020                      |                |       |       |       |       |       |       |       |                 |
| Contiguous States            | 1,041          | 1,410 | 1,778 | 2,146 | 2,515 | 2,883 | 3,251 | 3,620 | +369            |
| Alaska                       | 1,300          | 1,761 | 2,222 | 2,683 | 3,144 | 3,605 | 4,065 | 4,526 | +461            |
| Hawaii                       | 1,199          | 1,622 | 2,045 | 2,469 | 2,892 | 3,315 | 3,739 | 4,162 | +424            |

Source: U.S. Department of Agriculture.

**Table G.3. Monthly maximum SNAP benefit, 1976 to 2020**

| Analysis period   | Household size |      |       |       |       |       |       |       | Each additional |
|-------------------|----------------|------|-------|-------|-------|-------|-------|-------|-----------------|
|                   | 1              | 2    | 3     | 4     | 5     | 6     | 7     | 8     |                 |
| September 1976    |                |      |       |       |       |       |       |       |                 |
| Contiguous States | \$50           | \$92 | \$130 | \$166 | \$198 | \$236 | \$262 | \$298 | + 38            |
| Alaska            | 68             | 124  | 178   | 226   | 268   | 322   | 356   | 406   | + 50            |
| Hawaii            | 66             | 122  | 174   | 222   | 264   | 316   | 350   | 400   | + 50            |
| February 1978     |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 52             | 96   | 138   | 174   | 206   | 248   | 274   | 314   | + 40            |
| Alaska            | 72             | 134  | 190   | 242   | 288   | 344   | 382   | 436   | + 54            |
| Hawaii            | 70             | 128  | 182   | 232   | 276   | 330   | 366   | 418   | + 52            |
| August 1980       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 63             | 115  | 165   | 209   | 248   | 298   | 329   | 376   | + 47            |
| Alaska            | 98             | 180  | 258   | 327   | 388   | 466   | 515   | 589   | + 74            |
| Hawaii            | 84             | 158  | 226   | 287   | 341   | 409   | 452   | 517   | + 65            |
| August 1982       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 70             | 128  | 183   | 233   | 277   | 332   | 367   | 419   | + 53            |
| Alaska            | 108            | 197  | 293   | 359   | 426   | 512   | 565   | 646   | + 81            |
| Hawaii            | 95             | 175  | 250   | 318   | 378   | 453   | 501   | 572   | + 72            |
| August 1984       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 76             | 139  | 199   | 253   | 301   | 361   | 399   | 457   | + 57            |
| Alaska            | 109            | 200  | 286   | 364   | 432   | 518   | 473   | 655   | + 82            |
| Hawaii            | 108            | 198  | 283   | 360   | 427   | 513   | 567   | 648   | + 81            |
| August 1986       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 80             | 147  | 211   | 268   | 318   | 382   | 422   | 483   | + 60            |
| Alaska            | 111            | 204  | 293   | 372   | 442   | 530   | 586   | 670   | + 84            |
| Hawaii            | 124            | 228  | 327   | 415   | 493   | 592   | 654   | 748   | + 94            |
| August 1988       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 87             | 159  | 228   | 290   | 344   | 413   | 457   | 522   | + 65            |
| Alaska            | 113            | 207  | 297   | 378   | 448   | 538   | 595   | 680   | + 85            |
| Hawaii            | 133            | 244  | 350   | 444   | 527   | 633   | 700   | 800   | + 100           |
| August 1990       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 99             | 182  | 260   | 331   | 393   | 472   | 521   | 596   | + 75            |
| Alaska            | 123            | 227  | 325   | 413   | 490   | 588   | 650   | 743   | + 93            |
| Hawaii            | 151            | 276  | 396   | 503   | 598   | 717   | 793   | 906   | + 113           |
| August 1991       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 105            | 193  | 277   | 352   | 418   | 502   | 555   | 634   | + 79            |
| Alaska            | 137            | 252  | 361   | 459   | 545   | 655   | 723   | 827   | + 103           |
| Hawaii            | 172            | 316  | 452   | 574   | 682   | 819   | 905   | 1,034 | + 129           |
| August 1992       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 111            | 203  | 292   | 370   | 440   | 528   | 584   | 667   | + 83            |
| Alaska            | 142            | 261  | 374   | 475   | 564   | 677   | 748   | 855   | + 107           |
| Hawaii            | 181            | 333  | 477   | 606   | 720   | 864   | 955   | 1,091 | + 136           |
| August 1993       |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 111            | 203  | 292   | 370   | 440   | 528   | 584   | 667   | + 83            |
| Alaska            | 143            | 262  | 376   | 477   | 567   | 680   | 752   | 859   | + 107           |
| Hawaii            | 182            | 335  | 480   | 609   | 724   | 868   | 960   | 1,097 | + 137           |
| September 1994    |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 112            | 206  | 295   | 375   | 446   | 535   | 591   | 676   | + 85            |
| Alaska            | 147            | 271  | 388   | 492   | 585   | 702   | 776   | 887   | + 111           |
| Hawaii            | 187            | 343  | 492   | 625   | 742   | 890   | 984   | 1,125 | + 141           |
| September 1995    |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 115            | 212  | 304   | 386   | 459   | 550   | 608   | 695   | + 87            |
| Alaska            | 147            | 271  | 388   | 492   | 585   | 702   | 776   | 887   | + 111           |
| Hawaii            | 193            | 354  | 508   | 645   | 766   | 919   | 1,016 | 1,161 | + 145           |
| September 1996    |                |      |       |       |       |       |       |       |                 |
| Contiguous States | 119            | 218  | 313   | 397   | 472   | 566   | 626   | 716   | + 90            |
| Alaska            | 153            | 280  | 401   | 510   | 605   | 726   | 803   | 918   | + 115           |
| Hawaii            | 198            | 364  | 522   | 663   | 787   | 945   | 1,044 | 1,193 | + 149           |

**Table G.3. (continued)**

| Analysis period            | Household size |     |     |     |       |       |       |       | Each additional |
|----------------------------|----------------|-----|-----|-----|-------|-------|-------|-------|-----------------|
|                            | 1              | 2   | 3   | 4   | 5     | 6     | 7     | 8     |                 |
| September 1997             |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 120            | 220 | 315 | 400 | 475   | 570   | 630   | 720   | + 90            |
| Alaska                     | 153            | 280 | 401 | 510 | 605   | 726   | 803   | 918   | + 115           |
| Hawaii                     | 198            | 364 | 522 | 663 | 787   | 945   | 1,044 | 1,193 | + 149           |
| September 1998             |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 122            | 224 | 321 | 408 | 485   | 582   | 643   | 735   | + 92            |
| Alaska                     | 154            | 283 | 405 | 514 | 611   | 733   | 810   | 926   | + 116           |
| Hawaii                     | 197            | 361 | 517 | 657 | 780   | 936   | 1,035 | 1,183 | + 148           |
| September 1999             |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 125            | 230 | 329 | 419 | 497   | 597   | 659   | 754   | + 94            |
| Alaska                     | 157            | 287 | 412 | 523 | 621   | 746   | 824   | 942   | + 118           |
| Hawaii                     | 197            | 362 | 518 | 658 | 781   | 938   | 1,036 | 1,185 | + 148           |
| September 2000             |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 127            | 234 | 335 | 426 | 506   | 607   | 671   | 767   | + 96            |
| Alaska                     | 158            | 290 | 415 | 528 | 627   | 752   | 831   | 950   | + 119           |
| Hawaii                     | 199            | 365 | 523 | 664 | 789   | 947   | 1,047 | 1,196 | + 150           |
| FY 2001                    |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 130            | 238 | 341 | 434 | 515   | 618   | 683   | 781   | + 98            |
| Alaska                     | 160            | 294 | 421 | 535 | 635   | 762   | 842   | 963   | + 120           |
| Hawaii                     | 199            | 366 | 524 | 665 | 790   | 948   | 1,048 | 1,198 | + 150           |
| FY 2002                    |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 135            | 248 | 356 | 452 | 537   | 644   | 712   | 814   | + 102           |
| Alaska                     | 167            | 307 | 440 | 559 | 663   | 796   | 880   | 1,006 | + 126           |
| Hawaii                     | 204            | 374 | 536 | 680 | 808   | 970   | 1,072 | 1,225 | + 153           |
| FY 2003                    |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 139            | 256 | 366 | 465 | 553   | 664   | 733   | 838   | + 105           |
| Alaska                     | 169            | 309 | 443 | 563 | 669   | 803   | 887   | 1,014 | + 127           |
| Hawaii                     | 212            | 389 | 557 | 707 | 840   | 1,008 | 1,114 | 1,273 | + 159           |
| FY 2004                    |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 141            | 259 | 371 | 471 | 560   | 672   | 743   | 849   | + 106           |
| Alaska                     | 167            | 307 | 439 | 558 | 663   | 795   | 879   | 1,005 | + 126           |
| Hawaii                     | 210            | 386 | 553 | 702 | 834   | 1,001 | 1,106 | 1,264 | + 158           |
| FY 2005                    |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 149            | 274 | 393 | 499 | 592   | 711   | 786   | 898   | + 112           |
| Alaska                     | 177            | 324 | 465 | 590 | 701   | 841   | 930   | 1,063 | + 133           |
| Hawaii                     | 222            | 408 | 585 | 742 | 882   | 1,058 | 1,170 | 1,337 | + 167           |
| FY 2006                    |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 152            | 278 | 399 | 506 | 601   | 722   | 798   | 912   | + 114           |
| Alaska                     | 181            | 333 | 477 | 606 | 720   | 864   | 955   | 1,091 | + 136           |
| Hawaii                     | 229            | 421 | 602 | 765 | 909   | 1,090 | 1,205 | 1,378 | + 172           |
| FY 2007                    |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 155            | 284 | 408 | 518 | 615   | 738   | 816   | 932   | + 117           |
| Alaska                     | 183            | 336 | 482 | 612 | 726   | 872   | 964   | 1,101 | + 138           |
| Hawaii                     | 240            | 440 | 630 | 800 | 950   | 1,140 | 1,260 | 1,440 | + 180           |
| FY 2008                    |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 162            | 298 | 426 | 542 | 643   | 772   | 853   | 975   | + 122           |
| Alaska                     | 194            | 356 | 510 | 648 | 770   | 924   | 1,021 | 1,167 | + 146           |
| Hawaii                     | 258            | 473 | 678 | 861 | 1,022 | 1,227 | 1,356 | 1,549 | + 194           |
| October 2008 to March 2009 |                |     |     |     |       |       |       |       |                 |
| Contiguous States          | 176            | 323 | 463 | 588 | 698   | 838   | 926   | 1,058 | + 132           |
| Alaska                     | 210            | 385 | 552 | 701 | 833   | 999   | 1,105 | 1,263 | + 158           |
| Hawaii                     | 276            | 506 | 725 | 921 | 1,094 | 1,313 | 1,451 | 1,658 | + 207           |

**Table G.3. (continued)**

|                                           | Household size |     |     |       |       |       |       |       |                 |
|-------------------------------------------|----------------|-----|-----|-------|-------|-------|-------|-------|-----------------|
| Analysis period                           | 1              | 2   | 3   | 4     | 5     | 6     | 7     | 8     | Each additional |
| April 2009 to September 2009 <sup>a</sup> |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 200            | 367 | 526 | 668   | 793   | 952   | 1,052 | 1,202 | + 150           |
| Alaska                                    | 239            | 438 | 627 | 797   | 946   | 1,135 | 1,255 | 1,434 | + 179           |
| Hawaii                                    | 314            | 575 | 824 | 1,046 | 1,243 | 1,491 | 1,648 | 1,884 | + 236           |
| FY 2010                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 200            | 367 | 526 | 668   | 793   | 952   | 1,052 | 1,202 | + 150           |
| Alaska                                    | 239            | 438 | 627 | 797   | 946   | 1,135 | 1,255 | 1,434 | + 179           |
| Hawaii                                    | 314            | 575 | 824 | 1,046 | 1,243 | 1,491 | 1,648 | 1,884 | + 236           |
| FY 2011                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 200            | 367 | 526 | 668   | 793   | 952   | 1,052 | 1,202 | + 150           |
| Alaska                                    | 239            | 438 | 627 | 797   | 946   | 1,135 | 1,255 | 1,434 | + 179           |
| Hawaii                                    | 314            | 575 | 824 | 1,046 | 1,243 | 1,491 | 1,648 | 1,884 | + 236           |
| FY 2012                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 200            | 367 | 526 | 668   | 793   | 952   | 1,052 | 1,202 | + 150           |
| Alaska                                    | 239            | 438 | 627 | 797   | 946   | 1,135 | 1,255 | 1,434 | + 179           |
| Hawaii                                    | 314            | 575 | 824 | 1,046 | 1,243 | 1,491 | 1,648 | 1,884 | + 236           |
| FY 2013                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 200            | 367 | 526 | 668   | 793   | 952   | 1,052 | 1,202 | + 150           |
| Alaska                                    | 239            | 438 | 627 | 797   | 946   | 1,135 | 1,255 | 1,434 | + 179           |
| Hawaii                                    | 319            | 585 | 839 | 1,065 | 1,265 | 1,518 | 1,678 | 1,917 | + 240           |
| October 2013 <sup>a</sup>                 |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 200            | 367 | 526 | 668   | 793   | 952   | 1,052 | 1,202 | + 150           |
| Alaska                                    | 239            | 438 | 627 | 797   | 946   | 1,135 | 1,255 | 1,434 | + 179           |
| Hawaii                                    | 330            | 605 | 867 | 1,100 | 1,307 | 1,568 | 1,734 | 1,981 | + 248           |
| November 2013 to September 2014           |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 189            | 347 | 497 | 632   | 750   | 900   | 995   | 1,137 | + 142           |
| Alaska                                    | 226            | 415 | 594 | 755   | 896   | 1,076 | 1,189 | 1,359 | + 170           |
| Hawaii                                    | 330            | 605 | 867 | 1,100 | 1,307 | 1,568 | 1,734 | 1,981 | + 248           |
| FY 2015                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 194            | 357 | 511 | 649   | 771   | 925   | 1,022 | 1,169 | +146            |
| Alaska                                    | 227            | 417 | 598 | 759   | 902   | 1,082 | 1,196 | 1,367 | +171            |
| Hawaii                                    | 332            | 609 | 872 | 1,107 | 1,315 | 1,578 | 1,744 | 1,994 | +249            |
| FY 2016                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 194            | 357 | 511 | 649   | 771   | 925   | 1,022 | 1,169 | +146            |
| Alaska                                    | 237            | 435 | 622 | 790   | 939   | 1,127 | 1,245 | 1,423 | +178            |
| Hawaii                                    | 343            | 630 | 902 | 1,146 | 1,361 | 1,633 | 1,805 | 2,063 | +258            |
| FY 2017                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 194            | 357 | 511 | 649   | 771   | 925   | 1,022 | 1,169 | +146            |
| Alaska                                    | 237            | 435 | 622 | 790   | 939   | 1,127 | 1,245 | 1,423 | +178            |
| Hawaii                                    | 354            | 650 | 931 | 1,182 | 1,404 | 1,685 | 1,862 | 2,128 | +266            |
| FY 2018                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 192            | 352 | 504 | 640   | 760   | 913   | 1,009 | 1,153 | +144            |
| Alaska                                    | 230            | 422 | 604 | 767   | 911   | 1,094 | 1,209 | 1,382 | +173            |
| Hawaii                                    | 358            | 657 | 941 | 1,195 | 1,419 | 1,703 | 1,883 | 2,152 | +269            |
| FY 2019                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 192            | 353 | 505 | 642   | 762   | 914   | 1,011 | 1,155 | +144            |
| Alaska                                    | 232            | 425 | 609 | 773   | 918   | 1,102 | 1,218 | 1,392 | +174            |
| Hawaii                                    | 358            | 656 | 940 | 1,193 | 1,417 | 1,701 | 1,880 | 2,148 | +269            |
| FY 2020                                   |                |     |     |       |       |       |       |       |                 |
| Contiguous States                         | 194            | 355 | 509 | 646   | 768   | 921   | 1,018 | 1,164 | +146            |
| Alaska                                    | 238            | 437 | 627 | 796   | 945   | 1,134 | 1,254 | 1,433 | +179            |
| Hawaii                                    | 356            | 654 | 936 | 1,189 | 1,412 | 1,695 | 1,873 | 2,141 | +268            |

Source: U.S. Department of Agriculture.

<sup>a</sup> ARRA increased maximum benefits from April 2009 through October 2013.

**Table G.4. Minimum monthly SNAP benefit, 1980 to 2020**

| Analysis period                                             | Household size |      |     |
|-------------------------------------------------------------|----------------|------|-----|
|                                                             | 1              | 2    | 3 + |
| August 1980 to FY 2008                                      |                |      |     |
| Contiguous States                                           | \$10           | \$10 | \$0 |
| Alaska                                                      | 10             | 10   | 0   |
| Hawaii                                                      | 10             | 10   | 0   |
| First half of FY 2009 (October 2008 to March 2009)          |                |      |     |
| Contiguous States                                           | 14             | 14   | 0   |
| Alaska                                                      | 17             | 17   | 0   |
| Hawaii                                                      | 22             | 22   | 0   |
| Second half of FY 2009 (April to September 2009) to FY 2012 |                |      |     |
| Contiguous States                                           | 16             | 16   | 0   |
| Alaska                                                      | 19             | 19   | 0   |
| Hawaii                                                      | 25             | 25   | 0   |
| FY 2013 to October 2013                                     |                |      |     |
| Contiguous States                                           | 16             | 16   | 0   |
| Alaska                                                      | 19             | 19   | 0   |
| Hawaii                                                      | 26             | 26   | 0   |
| FY 2014                                                     |                |      |     |
| Contiguous States                                           | 15             | 15   | 0   |
| Alaska                                                      | 18             | 18   | 0   |
| Hawaii                                                      | 26             | 26   | 0   |
| FY 2015                                                     |                |      |     |
| Contiguous States                                           | 16             | 16   | 0   |
| Alaska                                                      | 18             | 18   | 0   |
| Hawaii                                                      | 27             | 27   | 0   |
| FY 2016                                                     |                |      |     |
| Contiguous States                                           | 16             | 16   | 0   |
| Alaska                                                      | 19             | 19   | 0   |
| Hawaii                                                      | 28             | 28   | 0   |
| FY 2017                                                     |                |      |     |
| Contiguous States                                           | 16             | 16   | 0   |
| Alaska                                                      | 19             | 19   | 0   |
| Hawaii                                                      | 28             | 28   | 0   |
| FY 2018                                                     |                |      |     |
| Contiguous States                                           | 15             | 15   | 0   |
| Alaska                                                      | 18             | 18   | 0   |
| Hawaii                                                      | 29             | 29   | 0   |
| FY 2019                                                     |                |      |     |
| Contiguous States                                           | 15             | 15   | 0   |
| Alaska                                                      | 19             | 19   | 0   |
| Hawaii                                                      | 29             | 29   | 0   |
| FY 2020                                                     |                |      |     |
| Contiguous States                                           | 16             | 16   | 0   |
| Alaska                                                      | 19             | 19   | 0   |
| Hawaii                                                      | 29             | 29   | 0   |

Source: U.S. Department of Agriculture.

**Table G.5. Resource eligibility, 1976 to 2020**

| Analysis period               | Resource eligibility                                                                            |
|-------------------------------|-------------------------------------------------------------------------------------------------|
| September 1976 to August 1984 | \$1,500; \$3,000 for elderly households with at least 2 members                                 |
| August 1986 to FY 2002        | \$2,000; \$3,000 for elderly households                                                         |
| FY 2003 to FY 2011            | \$2,000; \$3,000 for households containing elderly individuals or individuals with disabilities |
| FY 2012 to FY 2014            | \$2,000; \$3,250 for households containing elderly individuals or individuals with disabilities |
| FY 2015 to FY 2017            | \$2,250; \$3,250 for households containing elderly individuals or individuals with disabilities |
| FY 2018 to FY 2020            | \$2,250; \$3,500 for households containing elderly individuals or individuals with disabilities |

Source: U.S. Department of Agriculture.





## **APPENDIX H**

### **PREVIOUS REPORTS IN THIS SERIES**



## Current Perspectives on SNAP Participation

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### Previous reports in this series:

|                                                                                                                                                                     |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2016 to Fiscal Year 2019<sup>1</sup></b><br>Alma Vigil                      | December 2021  |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2016 to Fiscal Year 2018</b><br>Sarah Lauffer and Alma Vigil                | May 2021       |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2010 to Fiscal Year 2017</b><br>Alma Vigil                                  | September 2019 |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2010 to Fiscal Year 2016</b><br>Karen Cunnyingham                           | July 2018      |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2010 to Fiscal Year 2015</b><br>Kelsey Farson Gray and Karen Cunnyingham    | June 2017      |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2010 to Fiscal Year 2014</b><br>Kelsey Farson Gray and Karen Cunnyingham    | June 2016      |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2010 to Fiscal Year 2013</b><br>Esa Eslami                                  | August 2015    |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2010 to Fiscal Year 2012</b><br>Esa Eslami                                  | July 2014      |
| <b>Supplemental Nutrition Assistance Program Participation Rates: Fiscal Years 2010 and 2011</b><br>Esa Eslami and Karen Cunnyingham                                | February 2014  |
| <b>Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2010</b><br>Esa Eslami, Joshua Leftin, and Mark Strayer                               | December 2012  |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: Fiscal Year 2002 to Fiscal Year 2009</b><br>Joshua Leftin, Esa Eslami, and Mark Strayer | August 2011    |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: 2001 to 2008</b><br>Joshua Leftin                                                       | June 2010      |
| <b>Trends in Supplemental Nutrition Assistance Program Participation Rates: 2000 to 2007</b><br>Joshua Leftin and Kari Wolkwitz                                     | June 2009      |
| <b>Trends in Food Stamp Program Participation Rates: 2000 to 2006</b><br>Kari Wolkwitz                                                                              | June 2008      |
| <b>Trends in Food Stamp Program Participation Rates: 1999 to 2005</b><br>Kari Wolkwitz                                                                              | June 2007      |
| <b>Food Stamp Program Participation Rates: 2004</b>                                                                                                                 |                |

|                                                                                                                              |                |
|------------------------------------------------------------------------------------------------------------------------------|----------------|
| Allison Barrett and Anni Poikolainen                                                                                         | June 2006      |
| <b>Food Stamp Program Participation Rates: 2003</b><br>Karen Cunnynggham                                                     | July 2005      |
| <b>Trends in Food Stamp Program Participation Rates: 1999 to 2002</b><br>Karen Cunnynggham                                   | September 2004 |
| <b>Trends in Food Stamp Program Participation Rates: 1999 to 2001</b><br>Karen Cunnynggham                                   | June 2003      |
| <b>Trends in Food Stamp Program Participation Rates: 1994 to 2000</b><br>Karen Cunnynggham                                   | June 2002      |
| <b>Trends in Food Stamp Program Participation Rates: 1994 to 1999</b><br>Randy Rosso                                         | October 2001   |
| <b>Trends in Food Stamp Program Participation Rates: Focus on September 1997</b><br>Laura Castner and Scott Cody             | November 1999  |
| <b>Food Stamp Program Participation Rates: January 1994</b><br>Michael Stavrianos                                            | March 1997     |
| <b>Food Stamp Program Participation Rates: January 1992</b><br>Carole Trippe and Julie Sykes                                 | October 1994   |
| <b>Dynamics of the Food Stamp Program as Reported in the Survey of Income and Program Participation</b><br>Nancy R. Burstein | January 1993   |
| <b>Participation in the Food Stamp Program: A Multivariate Analysis</b><br>Alberto Martini                                   | March 1992     |
| <b>Food Stamp Program Participation Rates: January 1988</b><br>Carole Trippe and Pat Doyle                                   | July 1992      |
| <b>Trends in Food Stamp Program Participation Rates: 1976 to 1990</b><br>Carole Trippe, Pat Doyle, and Andrew Asher          | July 1992      |
| <b>Food Stamp Program Participation Rates: January 1989</b><br>Carole Trippe and Pat Doyle                                   | July 1992      |
| <b>The Effects of Food Stamps on Food Consumption: A Review of the Literature</b><br>Thomas M. Fraker                        | October 1990   |
| <b>Food Stamp Program Participation Rates: August 1985</b><br>Pat Doyle                                                      | April 1990     |
| <b>Determinants of Participation in the Food Stamp Program: A Review of the Literature</b><br>Susan Allin and Harold Beebout | November 1989  |
| <b>Estimating Rates of Participation in the Food Stamp Program: A Review of the Literature</b><br>Carole Trippe              | November 1989  |
| <b>Food Stamp Program Participation Rates Among the Poverty Population, 1980–1987</b><br>Carole Trippe and Harold Beebout    | November 1988  |

<sup>1</sup>An addendum to the FY 2016 to FY 2019 report was released in June 2022.