

Benefit Redemption Patterns in the Supplemental Nutrition Assistance Program: Fiscal Year 2022

Appendices A-E

May 2025

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Appendices A-E

May 2025

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Appendix A

Redemption Patterns by Household Characteristics

Table A.1. Average Number of Monthly EBT Purchase Transactions per Household, and Distribution of Households by Number of Transactions: FY2022 Matched QC-ALERT Sample

Household Characteristic	Average Number of Transactions per Household	Number of Monthly Transactions (Percentage of Households)					
		One	2-5	6-10	11-15	16-20	>20
All households	12.2	3.4	21.6	28.7	19.4	11.6	15.3
Household type							
With and without children							
Households with children	17.0	0.9	8.5	21.7	23.2	17.4	28.3
Households without children	9.6*	4.8*	28.8*	32.6*	17.4*	8.4*	8.1*
Types of households with children							
Single-adult households	16.3	0.9	8.5	23.2	24.0	17.1	26.3
Multiple-adult households	19.0*	0.6	6.6*	18.0*	21.9*	18.3	34.6*
Children only	12.7*	2.3*	18.5*	26.9	22.8	15.2	14.4*
All households, by type							
With an elderly person	8.7	5.8	32.2	33.4	15.8	6.9	6.0
With a non-elderly person with a disability	11.4*	4.1*	24.5*	29.2*	18.2*	10.7*	13.2*
With a child, without a person who was elderly or had a disability	16.9*	0.9*	8.3*	21.8*	23.4*	17.3*	28.2*
Other households	11.5*	2.9*	22.3*	30.9*	20.3*	11.1*	12.5*
Household size							
1	9.3	5.1	30.3	32.6	16.8	7.8	7.4
2	12.5*	1.7*	15.3*	31.9	24.5*	12.8*	13.8*
3	16.5*	0.8*	7.5*	21.6*	24.5*	19.5*	26.1*
4+	20.9*	0.4*	4.0*	13.8*	20.6*	19.6*	41.7*
Race and ethnicity of household head							
White, non-Hispanic	11.5	4.3	24.1	29.6	18.2	10.0	13.7
Black, non-Hispanic	13.3*	2.5*	18.0*	27.5*	20.5*	13.4*	18.0*
Hispanic	11.8	4.1	22.5	28.5	19.8	11.5	13.5
Asian, non-Hispanic	11.9	2.4*	23.4	30.8	18.2	10.0	15.2
Native American, non-Hispanic	14.4*	1.6*	16.1*	25.3*	20.9	14.0*	22.1*
Other ^a	12.6*	2.4*	20.5*	28.2	20.5*	12.6*	15.7*
Employment Status							
Households with earnings	15.3	1.8	13.5	23.6	22.3	15.5	23.4
Households without earnings	11.2*	4.0*	24.4*	30.5*	18.4*	10.2*	12.5*
Receipt of TANF							
Yes	16.9	0.9	10.1	22.3	20.5	17.2	29.1
No	12.1*	3.5*	21.9*	28.9*	19.4	11.4*	14.9*
SNAP benefit ^b							
\$20 or less	3.6	39.0	44.5	9.9	4.0	1.0	1.5
\$21-100	4.6*	21.3*	50.4	20.4*	5.3	1.1	1.5
\$101-200	6.5*	8.7*	49.2	25.6*	9.4*	4.4*	2.9

Household Characteristic	Average Number of Transactions per Household	Number of Monthly Transactions (Percentage of Households)					
		One	2-5	6-10	11-15	16-20	>20
\$201-300	8.7*	4.1*	33.1*	34.7*	16.0*	6.6*	5.4*
\$301-400	11.1*	2.8*	22.6*	33.0*	20.1*	10.5*	11.0*
\$401-500	12.2*	1.4*	14.6*	34.1*	25.0*	12.3*	12.5*
\$501 or more	18.3*	0.5*	5.8*	19.1*	23.2*	19.1*	32.3*
Minimum benefit	3.6	39.0	44.5	9.9	4.0	1.0	1.5
Maximum benefit	12.8*	2.3*	19.6*	29.2*	20.3*	12.3*	16.3*
Months in certification period							
≤ 6 months	13.8	2.8	17.8	25.3	20.6	13.3	20.2
7-12 months	13.3*	3.0	18.7	27.2*	20.3	13.0	17.8*
> 12 months	9.7*	4.4*	28.6*	33.0*	17.5*	8.3*	8.3*
Geographic location							
Region ^c							
Northeast	12.9	3.2	19.2	28.9	19.4	12.1	17.2
Mid-Atlantic	12.0*	2.4	22.2*	30.3	19.5	11.8	13.8*
Midwest	10.9*	5.7*	26.6*	27.2	17.9	10.1*	12.6*
Southeast	13.0	2.4	20.0	28.6	19.8	12.0	17.2
Southwest	13.4	2.8	17.8	27.4	20.9	12.8	18.4
Mountain Plains	11.1*	5.2*	25.5*	28.4	18.1	9.7*	13.2*
West	12.4	2.3	20.3	30.4	20.3	12.0	14.6
Metro/ Nonmetro areas ^d							
Metropolitan	12.3	3.3	21.6	28.7	19.5	11.7	15.2
Nonmetro, micropolitan	12.5	3.4	20.6	29.2	19.1	11.6	16.0
Nonmetro, noncore	12.3	3.6	23.1	26.7*	19.6	10.9	16.1
County with persistent poverty ^d							
Yes	13.9	2.7	17.7	27.0	19.4	12.6	20.7
No	12.1*	3.4*	22.0*	28.8*	19.5	11.5	14.7*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.2. Average EBT Purchase Amount per Transaction, and Distribution of Transactions by Dollar Amount: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average EBT Transaction Amount (\$)	Dollar Amount of EBT Purchase Transactions (Percentage of Transactions)							
		<\$5	\$5-10	\$11-25	\$26-50	\$51-75	\$76-100	\$101-200	>\$200
All households	51.87	13.5	19.7	24.9	17.5	8.6	5.3	7.7	2.8
Household type									
With and without children									
Households with children	57.87	11.9	18.6	23.9	17.3	9.1	5.8	9.4	4.1
Households without children	48.56*	15.1*	20.8*	25.9*	17.7*	8.2*	4.8*	6.1*	1.5*
Types of households with children									
Single-adult households	56.66	12.7	19.3	23.6	16.7	8.9	5.7	9.1	4.0
Multiple-adult households	59.87*	11.4*	18.1*	24.0	17.6*	9.2	5.8	9.6*	4.2
Children only	58.17	7.8*	15.0*	25.5*	21.1*	10.6*	6.3	10.1	3.5
All households, by type									
With an elderly person	50.76	11.7	18.5	27.1	20.3	9.5	5.2	6.3	1.4
With a non-elderly person with a disability	51.03	14.8*	20.2*	24.8*	17.0*	8.3*	5.0	7.3*	2.6*
With a child, without a person who was elderly or had a disability	58.37*	11.7	18.5	23.8*	17.4*	9.2	5.8*	9.5*	4.1*
Other households	45.10*	18.1*	23.2*	24.8*	15.0*	7.0*	4.4*	5.9	1.6
Household size									
1	48.05	15.7	21.2	25.8	17.4	8.0	4.7	5.8	1.4
2	53.39*	12.0*	18.9*	25.0*	18.3*	9.4*	5.7*	8.1*	2.6*
3	57.38*	12.3*	18.8*	24.2*	17.3	8.9*	5.7*	9.1*	3.8*
4+	61.76*	11.3*	18.1*	23.5*	17.2	9.2*	5.9*	10.0*	4.8*
Race and ethnicity of household head									
White, non-Hispanic	53.92	13.2	19.7	25.0	17.7	8.7	5.3	7.7	2.8
Black, non-Hispanic	47.01*	16.9*	21.4*	23.3*	15.7*	7.9*	4.9*	7.1*	2.7
Hispanic	53.10	10.5*	18.3*	26.7*	19.0*	9.1	5.5	8.2	2.8
Asian, non-Hispanic	54.60	9.3*	18.4	26.7	20.3*	9.7	5.8	7.7	2.1*
Native American, non-Hispanic	46.27*	13.5	21.0	27.0*	16.5	8.0	4.6	6.9	2.6
Other ^a	53.20	12.2*	18.3*	25.1	18.2	9.2*	5.6*	8.3*	3.0
Employment Status									
Households with earnings	53.35	13.1	19.3	24.1	17.2	8.8	5.5	8.7	3.3
Households without earnings	51.36*	13.7*	19.9*	25.2*	17.7*	8.6	5.1*	7.2*	2.5*

Household Characteristic	Average EBT Transaction Amount (\$)	Dollar Amount of EBT Purchase Transactions (Percentage of Transactions)							
		<\$5	\$5-10	\$11-25	\$26-50	\$51-75	\$76-100	\$101-200	>\$200
Receipt of TANF									
Yes	54.52	12.8	19.8	24.1	17.2	8.7	5.2	8.4	3.8
No	51.80	13.6	19.7	24.9	17.5	8.6	5.3	7.7	2.7*
SNAP benefit ^b									
\$20 or less	25.48	15.3	20.2	36.0	15.9	6.3	3.0	2.8	0.6
\$21-100	35.51*	17.3	21.4	25.2*	19.6	8.1	4.0	3.7	0.6
\$101-200	45.39*	16.4	21.4	25.2*	17.8	7.9	4.4	6.1*	0.9
\$201-300	48.28*	14.9	20.3	26.1*	18.2	8.5*	4.8*	6.0*	1.2*
\$301-400	50.36*	16.3	21.9	25.3*	16.5	7.6	4.7*	6.0*	1.7*
\$401-500	54.30*	11.4	18.0	25.5*	19.1*	9.6*	5.7*	8.2*	2.4*
\$501 or more	58.91*	11.8	18.6	23.8*	17.3	9.1*	5.8*	9.4*	4.2*
Minimum benefit	25.49	15.3	20.2	36.0	15.9	6.3	3.0	2.8	0.6
Maximum benefit	52.56*	13.5	19.8	24.9*	17.5	8.7*	5.3*	7.7*	2.8*
Months in certification period									
≤ 6 months	53.51	13.9	19.4	23.7	16.9	8.8	5.5	8.5	3.4
7-12 months	51.65*	13.7	20.0	24.7*	17.1	8.5	5.3	7.9*	3.0*
> 12 months	51.27*	13.0*	19.5	26.3*	18.9*	8.9	5.1*	6.5*	1.8*
Geographic location									
Region ^c									
Northeast	56.66	13.2	20.9	26.3	17.1	8.1	5.0	6.7	2.7
Mid-Atlantic	54.68	12.7	19.6*	24.9*	17.9	8.5	5.3	8.0*	3.0
Midwest	50.15*	14.2	19.1*	23.9*	17.4	8.9*	5.4*	8.1*	2.9
Southeast	51.17*	15.1*	20.2	23.8*	16.8	8.5	5.2	7.6*	2.7
Southwest	51.59*	14.0	18.8*	24.4*	17.0	8.9*	5.6*	8.4*	3.0
Mountain Plains	48.54*	13.4	20.2	25.6	17.2	8.4	5.1	7.5*	2.7
West	50.60*	11.7*	20.0	26.2	18.7*	8.8	5.2	7.2	2.4
Metro/ Nonmetro areas ^d									
Metropolitan	52.01	13.5	19.7	24.9	17.5	8.7	5.3	7.7	2.7
Nonmetro, micropolitan	50.27	14.1	20.0	24.7	17.3	8.5	5.1	7.4	2.9
Nonmetro, noncore	50.00*	13.7	19.7	25.0	17.5	8.6	4.9*	7.7	2.9
County with persistent poverty ^d									
Yes	46.48	15.3	21.5	25.9	16.3	7.6	4.5	6.5	2.3
No	52.31*	13.3*	19.5*	24.7*	17.6*	8.8*	5.4*	7.9*	2.8*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.3. Distribution of EBT Purchase Transactions by Store Type: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Distribution of EBT Purchase Transactions (Percentage of Transactions)						
	Super- markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
All households	58.3	4.3	1.6	19.0	0.9	3.6	12.3
Household type							
With and without children							
Households with children	56.5	4.6	1.6	19.9	0.8	4.6	12.1
Households without children	60.0*	4.1	1.5	18.2*	0.9	2.7*	12.6
Types of households with children							
Single-adult households	55.3	3.0	1.6	22.0	0.7	5.0	12.5
Multiple-adult households	57.4*	5.9*	1.6	17.8*	1.0*	4.2	12.0
Children only	62.0*	11.0*	2.7	12.8*	0.8	2.5*	8.3*
All households, by type							
With an elderly person	69.5	5.1	1.2	9.0	1.1	2.1	12.0
With a non-elderly person with a disability	54.7*	3.8*	1.7	21.2*	0.8*	3.9*	13.9*
With a child, without a person who was elderly or had a disability	57.0*	4.7	1.6	19.6*	0.8*	4.6*	11.7
Other households	51.6*	3.3*	1.7	27.2*	0.7*	2.8*	12.7
Household size							
1	59.1	3.9	1.5	19.4	0.8	2.7	12.5
2	61.9*	4.7	1.3	15.9*	0.9	3.6*	11.8
3	56.6*	4.3	1.8	19.4	0.8	4.7*	12.4
4+	55.2*	4.9*	1.7	20.5	0.9	4.6*	12.3
Race and ethnicity of household head							
White, non-Hispanic	58.3	3.3	0.8	19.7	0.6	3.8	13.5
Black, non-Hispanic	53.3*	3.7	2.3*	23.2*	1.1*	3.6	12.9
Hispanic	63.1*	7.2*	3.2*	14.1*	0.7	2.8*	8.9*
Asian, non-Hispanic	62.7	12.3*	1.4*	6.2*	3.1*	1.3*	12.9
Native American, non-Hispanic	54.5	3.5	0.7	24.6*	0.3*	2.2*	14.2
Other ^a	61.6*	3.9	0.9	17.2*	0.6	4.3	11.5*
Employment Status							
Households with earnings	59.6	4.8	1.3	18.2	0.9	3.6	11.7
Households without earnings	57.7*	4.1*	1.7	19.4*	0.8	3.6	12.6*
Receipt of TANF							
Yes	51.0	5.9	2.7	22.8	1.1	4.3	12.2
No	58.6*	4.3	1.5	18.9*	0.8	3.6	12.3

Household Characteristic	Distribution of EBT Purchase Transactions (Percentage of Transactions)						
	Super- markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
SNAP benefit ^b							
\$20 or less	70.1	3.2	0.1	10.4	0.6	3.3	12.3
\$21-100	67.3	2.9	0.4	12.4	0.4	2.0	14.6
\$101-200	66.0	2.7	0.5	14.5	0.5	2.6	13.2
\$201-300	63.0*	3.5	1.0*	15.8	0.8	2.8	13.2
\$301-400	54.8*	4.3	2.1*	23.3*	0.9	2.8	11.8
\$401-500	63.9	5.0	1.2*	13.6	0.9	3.5	11.9
\$501 or more	56.0*	4.7	1.7*	20.0*	0.9	4.5	12.2
Minimum benefit	70.1	3.2	0.1	10.4	0.6	3.3	12.3
Maximum benefit	57.9*	4.4	1.6*	19.3*	0.9	3.5	12.3
Months in certification period							
≤ 6 months	56.9	3.4	1.0	20.6	0.6	4.7	12.7
7-12 months	56.7	4.4*	1.7*	20.8	0.8*	3.6*	11.9
> 12 months	62.9*	5.0*	1.6	13.9*	1.1*	2.7*	13.0
Geographic location							
Region ^c							
Northeast	55.4	7.6	5.1	18.0	1.7	2.9	9.3
Mid-Atlantic	56.3	4.6*	3.0*	20.2	1.1*	3.6	11.3*
Midwest	60.9*	2.8*	0.4*	16.8	0.6*	3.9*	14.6*
Southeast	53.8	4.2*	1.3*	24.1*	0.7*	3.3	12.5*
Southwest	58.6*	3.3*	0.5*	18.6	0.5*	4.7*	13.9*
Mountain Plains	58.9*	3.8*	0.5*	21.4*	0.4*	3.8	11.0*
West	62.5*	4.7*	0.8*	16.6	1.0*	3.0	11.4*
Metro/ Nonmetro areas ^d							
Metropolitan	58.9	4.5	1.7	18.8	1.0	3.7	11.4
Nonmetro, micropolitan	54.9*	3.0*	0.6*	21.3*	0.4*	3.7	16.1*
Nonmetro, noncore	54.9*	3.8*	0.6*	18.3	0.3*	2.8*	19.2*
County with persistent poverty ^d							
Yes	51.4	6.6	5.4	19.3	2.0	2.8	12.5
No	59.2*	4.0*	1.0*	19.0	0.7*	3.7*	12.3

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.4. Distribution of EBT Benefit Redemption by Store Type: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Distribution of the Dollar Value of EBT Redemption						
	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
All households	77.8	3.6	0.6	5.3	0.8	5.7	6.1
Household type							
With and without children							
Households with children	77.5	3.7	0.6	5.1	0.8	6.8	5.4
Households without children	78.2	3.4	0.7	5.6*	0.9	4.1*	7.2*
Types of households with children							
Single-adult households	77.6	2.4	0.5	5.7	0.7	7.6	5.5
Multiple-adult households	77.1	4.9*	0.7	4.6*	1.0*	6.4*	5.4
Children only	80.2	7.8*>	1.3	3.7*	0.5	2.9*	3.6*
All households, by type							
With an elderly person	82.7	4.0	0.5	2.5	1.0	2.9	6.5
With a non-elderly person with a disability	76.3*	3.0*	0.7*	6.0*	0.8	5.9*	7.3*
With a child, without a person who was elderly or had a disability	77.7*	3.8	0.6	5.0*	0.8	6.9*	5.1*
Other households	73.7*	3.0*	0.8*	9.3*	0.8	5.0*	7.4*
Household size							
1	77.7	3.2	0.7	6.1	0.8	4.2	7.3
2	80.3*	3.4	0.5*	4.3*	0.8	5.0*	5.7*
3	77.8	3.4	0.6	4.9*	0.7	7.2*	5.3*
4+	76.5	4.2*	0.7	5.2*	1.0	7.0*	5.5*
Race and ethnicity of household head							
White, non-Hispanic	77.5	2.8	0.4	5.4	0.6	5.9	7.4
Black, non-Hispanic	76.4	3.0	0.8*	6.5*	1.3*	6.1	5.9*
Hispanic	80.3*	5.3*	1.2*	4.4*	0.6	4.5*	3.8*
Asian, non-Hispanic	74.7	10.7*	0.9*	2.1*	2.4*	1.6*	7.7
Native American, non-Hispanic	74.0	3.5>	0.4	9.1*	0.3*	3.7*	9.1
Other ^a	79.5*	3.2	0.4	4.7*	0.6	6.5	5.1*
Employment Status							
Households with earnings	78.6	4.2	0.6	4.7	0.9	5.7	5.3
Households without earnings	77.4*	3.2*	0.7	5.7*	0.8	5.7	6.6*
Receipt of TANF							
Yes	75.9	4.1	1.2>	6.5	1.0>	6.2	5.3
No	77.9	3.6	0.6	5.3*	0.8	5.7	6.2*

Household Characteristic	Distribution of the Dollar Value of EBT Redemption						
	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
SNAP benefit ^b							
\$20 or less	81.1	2.8	0.0	3.6	0.6	4.5	7.5
\$21-100	81.7	2.5	0.2	4.2	0.3	2.6	8.4
\$101-200	82.6	2.5	0.2*	4.0	0.4	3.7	6.7
\$201-300	80.3	2.8	0.4*	4.4	0.7	4.2	7.1
\$301-400	75.1*	3.6	1.0*	7.7*	0.9	4.6	7.2
\$401-500	80.6	3.8	0.5*	3.6	0.8	4.9	6.0
\$501 or more	77.3	3.8	0.6*	5.2	0.9	6.8	5.4
Minimum benefit	81.1	2.8	0.0	3.6	0.6	4.5	7.5
Maximum benefit	77.7	3.6	0.7*	5.4*	0.9	5.6	6.2
Months in certification period							
≤ 6 months	77.6	3.0	0.4	5.6	0.7	7.0	5.7
7-12 months	77.2	3.7*	0.8*	5.7	0.8	5.8*	5.9
> 12 months	79.7*	3.8*	0.6*	4.1*	0.9	3.9*	7.0*
Geographic location							
Region ^c							
Northeast	74.2	5.6	1.7	6.1	1.5	4.9	6.0
Mid-Atlantic	78.1*	3.7*	1.0*	5.6	1.1	5.3	5.1
Midwest	79.7*	2.6*	0.2*	4.2*	0.7*	6.0	6.5
Southeast	75.9	3.8*	0.8*	6.5	0.8*	5.4	6.7
Southwest	78.2*	2.6*	0.2*	4.8*	0.4*	7.5*	6.4
Mountain Plains	78.2*	3.3*	0.4*	6.1	0.4*	6.3	5.3
West	79.6*	3.8*	0.5*	5.0	0.8*	4.6	5.7
Metro/ Nonmetro areas ^d							
Metropolitan	78.3	3.6	0.7	5.3	0.9	5.7	5.5
Nonmetro, micropolitan	75.8*	2.6*	0.4*	5.9	0.4*	6.4	8.6*
Nonmetro, noncore	75.0*	3.7	0.3*	5.0	0.4*	5.2	10.3*
County with persistent poverty ^d							
Yes	72.0	5.2	1.9	6.5	1.9	5.7	6.7
No	78.6*	3.3*	0.5*	5.2*	0.7*	5.7	6.0*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.5. Average Monthly Number of EBT Purchase Transactions per Household, Total and by Store Type: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Total	Average Monthly Number of Transactions per Household by Store Type						
		Super-markets / Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
All households	12.2	7.0	0.5	0.2	2.4	0.1	0.4	1.5
Household type								
With and without children								
Households with children	17.0	9.5	0.8	0.3	3.5	0.1	0.8	2.1
Households without children	9.6*	5.7*	0.4*	0.1*	1.8*	0.1*	0.3*	1.2*
Types of households with children								
Single-adult households	16.3	8.9	0.5	0.3	3.7	0.1	0.8	2.1
Multiple-adult households	19.0*	10.8*	1.1*	0.3	3.5	0.2*	0.8	2.3*
Children only	12.7*	7.8*	1.4*	0.3	1.7*	0.1	0.3*	1.1*
All households, by type								
With an elderly person	8.7	6.0	0.5	0.1	0.8	0.1	0.2	1.1
With a non-elderly person with a disability	11.4*	6.2	0.4	0.2*	2.5*	0.1	0.4*	1.6*
With a child, without a person who was elderly or had a disability	16.9*	9.5*	0.8*	0.3*	3.4*	0.1*	0.8*	2.0*
Other households	11.5*	5.8	0.4	0.2*	3.2*	0.1	0.3*	1.5*
Household size								
1	9.3	5.4	0.4	0.1	1.9	0.1	0.2	1.2
2	12.5*	7.7*	0.6*	0.2	2.0	0.1*	0.4*	1.5*
3	16.5*	9.2*	0.7*	0.3*	3.3*	0.1*	0.8*	2.1*
4+	20.9*	11.4*	1.0*	0.4*	4.4*	0.2*	0.9*	2.6*
Race and ethnicity of household head								
White, non-Hispanic	11.5	6.6	0.4	0.1	2.3	0.1	0.4	1.6
Black, non-Hispanic	13.3*	7.0*	0.5*	0.3*	3.2*	0.2*	0.5	1.7*
Hispanic	11.8	7.3*	0.9*	0.4*	1.7*	0.1	0.3*	1.1*
Asian, non-Hispanic	11.9	7.4*	1.5*	0.2*	0.8*	0.4*	0.2*	1.5
Native American, non-Hispanic	14.4*	7.7*	0.5	0.1	3.6*	0.0	0.3	2.0
Other ^a	12.6*	7.7*	0.5*	0.1	2.2	0.1	0.5	1.5
Employment Status								
Households with earnings	15.3	9.0	0.7	0.2	2.9	0.1	0.5	1.8
Households without earnings	11.2*	6.4*	0.5*	0.2	2.2*	0.1*	0.4*	1.4*
Receipt of TANF								
Yes	16.9	8.5	1.0	0.5	4.0	0.2	0.7	2.1
No	12.1*	7.0*	0.5*	0.2*	2.4*	0.1	0.4*	1.5*

Household Characteristic	Total	Average Monthly Number of Transactions per Household by Store Type						
		Super- markets / Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
SNAP benefit ^b								
\$20 or less	3.6	2.4	0.1	0.0	0.4	0.0	0.1	0.5
\$21-100	4.6*	3.0*	0.1	0.0	0.6	0.0	0.1	0.7
\$101-200	6.5*	4.2*	0.2	0.0	1.0*	0.0	0.2	0.9*
\$201-300	8.7*	5.4*	0.3*	0.1*	1.4*	0.1*	0.2*	1.2*
\$301-400	11.1*	6.0*	0.5*	0.2*	2.7*	0.1*	0.3*	1.3*
\$401-500	12.2*	7.7*	0.6*	0.1*	1.7*	0.1*	0.4*	1.5*
\$501 or more	18.3*	10.1*	0.9*	0.3*	3.7*	0.2*	0.8*	2.3*
Minimum benefit	3.6	2.4	0.1	0.0	0.4	0.0	0.1	0.5
Maximum benefit	12.8*	7.3*	0.6*	0.2*	2.5*	0.1*	0.4*	1.6*
Months in certification period								
≤ 6 months	13.8	7.7	0.5	0.1	2.9	0.1	0.6	1.8
7-12 months	13.3*	7.4*	0.6*	0.2*	2.8	0.1*	0.5*	1.6*
> 12 months	9.7*	6.0*	0.5	0.2	1.4*	0.1	0.3*	1.3*
Geographic location								
Region ^c								
Northeast	12.9	7.1	1.0	0.7	2.4	0.2	0.4	1.2
Mid-Atlantic	12.0*	6.6*	0.5*	0.4*	2.5	0.1*	0.4	1.4
Midwest	10.9*	6.5*	0.3*	0.0*	1.9*	0.1*	0.4	1.6*
Southeast	13.0	6.9	0.5*	0.2*	3.2*	0.1*	0.4	1.6*
Southwest	13.4	7.7*	0.4*	0.1*	2.6	0.1*	0.6*	1.9*
Mountain Plains	11.1*	6.4*	0.4*	0.1*	2.4	0.0*	0.4	1.2
West	12.4	7.6*	0.6*	0.1*	2.1	0.1*	0.4	1.4
Metro/ Nonmetro areas ^d								
Metropolitan	12.3	7.1	0.6	0.2	2.4	0.1	0.4	1.4
Nonmetro, micropolitan	12.5	6.7*	0.4*	0.1*	2.7*	0.0*	0.5	2.0*
Nonmetro, noncore	12.3	6.7*	0.5*	0.1*	2.3	0.0*	0.3*	2.4*
County with persistent poverty ^d								
Yes	13.9	7.0	0.9	0.8	2.7	0.3	0.4	1.8
No	12.1*	7.1	0.5*	0.1*	2.4*	0.1*	0.4	1.5*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.6. Average EBT Purchase Amount per Transaction, Overall and by Store Type: FY 2022
Matched QC-ALERT Sample

Household Characteristic	Overall	Average EBT Purchase Amount by Store Type (\$)						
		Super- markets / Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
All households	51.87	54.83	32.24	15.56	10.30	38.38	65.77	18.98
Household type								
With and without children								
Households with children	57.87	65.77	37.40	17.11	11.26	47.16	73.47	19.97
Households without children	48.56*	44.77*	26.71*	13.90*	9.29*	30.85*	52.88*	18.05*
Types of households with children								
Single-adult households	56.66	65.91	36.04	14.68	10.97	48.60	72.45	19.40
Multiple-adult households	59.87*	65.78	39.28	19.66*	11.58	47.00	76.36	20.88
Children only	58.17	64.22	33.83	22.01*	13.21	35.04	58.35	19.41
All households, by type								
With an elderly person	50.76	43.58	27.13	13.22	9.20	29.66	49.33	18.53
With a non-elderly person with a disability	51.03	55.11*	29.95	15.09	9.99	36.52*	59.57*	19.26
With a child, without a person who was elderly or had a disability	58.37*	65.79*	37.49*	17.36*	11.25*	47.47*	73.89*	19.89
Other households	45.10*	46.24*	27.84	14.22	9.52	34.18	59.84*	17.44
Household size								
1	48.05	43.90	25.58	14.08	9.20	30.33	51.73	17.71
2	53.39*	54.40*	29.55*	13.48	10.13*	34.85	59.65*	18.75
3	57.38*	63.65*	34.58*	14.66	10.62*	43.34*	72.56*	18.72
4+	61.76*	71.45*	43.03*	19.93*	12.21*	51.78*	80.44*	21.76*
Race and ethnicity of household head								
White, non-Hispanic	53.92	54.58	32.57	20.88	10.14	36.92	63.59	21.24
Black, non-Hispanic	47.01*	55.52	30.14	12.55*	9.63	42.96	66.92	16.09*
Hispanic	53.10	54.48	30.17	13.92	11.99*	32.31	71.47	17.30*
Asian, non-Hispanic	54.60	49.21*	35.41	22.99	12.86*	32.16	49.61*	23.61
Native American, non-Hispanic	46.27*	52.79	37.47	19.54	12.78*	34.26	67.09	23.27
Other ^a	53.20	55.99	35.33	19.90	10.63	40.09	66.57	18.22*
Employment Status								
Households with earnings	53.35	58.33	37.59	17.90	10.32	45.23	71.05	18.73
Households without earnings	51.36*	53.12*	29.29*	14.73*	10.29	35.07*	63.25*	19.09
Receipt of TANF								
Yes	54.52	67.21	30.18	18.26	11.73	35.77	68.61	18.55
No	51.80	54.41*	32.35	15.36	10.23*	38.52	65.64	18.99

Household Characteristic	Overall	Average EBT Purchase Amount by Store Type (\$)						
		Super-markets / Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
SNAP benefit ^b								
\$20 or less	25.48	30.11	21.00	7.22	7.93	20.42	34.34	13.59
\$21-100	35.51*	35.35	19.81	15.36	8.20	27.25	37.87	13.79
\$101-200	45.39*	39.79*	27.77	11.65	7.06	22.05	45.34	14.27
\$201-300	48.28*	42.92*	25.35	12.73	8.32	30.97*	50.57*	16.36
\$301-400	50.36*	46.59*	26.36	14.64*	9.79	30.99*	55.09*	19.34*
\$401-500	54.30*	52.88*	30.43	14.52*	9.99	35.15*	61.15*	19.62*
\$501 or more	58.91*	66.93*	38.12*	17.10*	11.52*	46.05*	75.25*	20.35*
Minimum benefit	25.49	30.12	21.00	7.22	7.93	20.42	34.34	13.59
Maximum benefit	52.56*	55.12*	32.14*	15.45*	10.39*	38.34*	66.24*	19.24*
Months in certification period								
≤ 6 months	53.51	59.79	36.65	14.13	10.54	51.68	66.56	18.31
7-12 months	51.65*	56.76*	33.77	17.03	10.39	39.50*	69.16	19.45
> 12 months	51.27*	47.23*	26.69*	12.66	9.71*	30.19*	54.37*	18.53
Geographic location								
Region ^c								
Northeast	56.66	52.47	27.63	11.64	12.04	33.65	65.27	23.52
Mid-Atlantic	54.68	58.94*	32.96	12.48	10.55*	42.87	64.64	17.86*
Midwest	50.15*	55.06	37.92*	20.83*	9.36*	48.26*	65.52	17.28*
Southeast	51.17*	57.15*	35.51*	23.50*	9.94*	46.98*	66.69	20.11
Southwest	51.59*	57.18*	32.33	17.70*	9.91*	36.17	68.59	18.32*
Mountain Plains	48.54*	53.43	33.47*	26.36*	10.08*	38.11	66.91	17.67*
West	50.60*	50.32	30.33	22.47*	10.78	29.70	62.38	19.18*
Metro/ Nonmetro areas ^d								
Metropolitan	52.01	54.61	31.83	15.09	10.32	38.07	64.69	18.31
Nonmetro, micropolitan	50.27	56.25	33.45	21.90*	10.09	43.52	71.04	20.18*
Nonmetro, noncore	50.00*	56.38	38.12*	20.77*	10.14	48.95	75.01*	20.94*
County with persistent poverty ^d								
Yes	46.48	51.78	28.00	11.81	11.25	34.10	76.76	18.37
No	52.31*	55.23*	33.22*	18.05*	10.16*	40.20*	64.80*	18.88

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.7. Average Number of Stores Accessed per Household per Month, and Distribution of Households by Number of Stores: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average Monthly Number of Stores per Household	Number of Stores per Household per Month (Percentage of Households)						
		One	Two	Three	Four	Five	Six to Nine	Ten or More
All households	5.5	8.8	12.3	13.9	13.5	11.7	27.3	12.6
Household type								
With and without children								
Households with children	7.2	2.5	5.6	8.8	10.9	12.1	36.9	23.3
Households without children	4.5*	12.3*	16.1*	16.7*	14.9*	11.4	22.0*	6.6*
Types of households with children								
Single-adult households	7.2	2.6	5.7	8.6	10.7	12.0	36.9	23.5
Multiple-adult households	7.5*	2.0	4.6*	8.3	10.7	12.0	37.1	25.3
Children only	5.9*	3.6	10.0*	12.5*	13.5*	13.3	35.5	11.6*
All households, by type								
With an elderly person	4.1	14.4	18.4	17.4	15.3	11.3	19.1	4.1
With a non-elderly person with a disability	5.1*	10.8*	13.8*	14.6*	14.1	11.5	23.8*	11.4*
With a child, without a person who was elderly or had a disability	7.2*	2.4*	5.5*	8.8*	10.8*	11.9	37.4*	23.1*
Other households	5.4*	7.7*	11.8*	15.2*	13.8*	12.1	28.3*	11.1*
Household size								
1	4.4	12.9	16.7	17.0	14.8	11.2	21.1	6.3
2	5.8*	4.7*	9.3*	12.4*	14.1	14.6*	32.7*	12.1*
3	7.0*	2.1*	5.5*	9.0*	11.4*	11.8	38.0*	22.2*
4+	8.2*	1.7*	3.1*	6.6*	8.4*	9.9*	38.5*	31.7*
Race and ethnicity of household head								
White, non-Hispanic	4.7	12.1	15.4	16.0	13.9	11.3	22.7	8.6
Black, non-Hispanic	6.3*	5.6*	8.6*	11.3*	12.4*	11.4	32.6*	18.1*
Hispanic	5.5*	7.6*	12.2*	13.6*	13.5	12.5	28.9*	11.8*
Asian, non-Hispanic	5.8*	5.8*	11.3*	12.3*	14.0	11.9	31.0*	13.6*
Native American, non-Hispanic	5.9*	6.3*	13.0	13.9	11.6	11.2	28.5*	15.6*
Other ^a	5.6*	7.7*	11.3*	13.5*	14.0	12.2	27.8*	13.5*
Employment Status								
Households with earnings	6.5	4.5	8.4	10.8	11.7	12.4	33.5	18.7
Households without earnings	5.1*	10.3*	13.7*	15.0*	14.1*	11.4*	25.2*	10.4*
Receipt of TANF								
Yes	7.3	3.1	5.4	10.1	9.9	11.2	33.9	26.5
No	5.4*	8.9*	12.5*	14.0*	13.6*	11.7	27.1*	12.2*

Household Characteristic	Average Monthly Number of Stores per Household	Number of Stores per Household per Month (Percentage of Households)						
		One	Two	Three	Four	Five	Six to Nine	Ten or More
SNAP benefit ^b								
\$20 or less	2.2	53.7	18.9	11.7	6.1	3.7	3.7	2.2
\$21-100	2.7*	34.6*	25.6*	17.0*	8.8	5.7	6.2	2.1
\$101-200	3.4*	19.4*	24.8*	19.0*	14.1*	8.0*	12.4*	2.3
\$201-300	4.1*	12.9*	18.7	18.2*	15.2*	11.4*	19.2*	4.4
\$301-400	5.2*	8.0*	12.5*	15.4*	15.4*	12.4*	26.5*	9.7*
\$401-500	5.6*	4.4*	9.6*	13.9	14.7*	15.1*	31.6*	10.7*
\$501 or more	7.5*	1.8*	4.3*	7.7*	10.3*	11.4*	38.7*	25.8*
Minimum benefit	2.2	53.6	18.9	11.7	6.1	3.7	3.7	2.2
Maximum benefit	5.6*	7.2*	11.5*	13.7	13.5*	12.0*	28.7*	13.4*
Months in certification period								
≤ 6 months	6.1	6.5	9.8	12.4	12.8	11.4	30.5	16.7
7-12 months	5.8*	7.6*	10.8*	12.5	12.8	11.6	29.8	14.8*
> 12 months	4.5*	12.1*	16.3*	17.0*	14.9*	11.9	21.5*	6.4*
Geographic location								
Region ^c								
Northeast	5.3	9.0	12.1	14.2	14.0	11.6	28.3	10.6
Mid-Atlantic	5.2	8.0	13.2	14.9	14.6	12.1	26.3	10.9
Midwest	5.1	11.4*	13.8*	14.2	13.5	11.0	25.1*	11.0
Southeast	5.8*	7.5	11.6	12.9	13.3	11.2	28.9	14.7*
Southwest	5.8*	7.9	10.2*	13.1	13.9	11.9	28.1	14.9*
Mountain Plains	4.8*	13.1*	16.0*	15.9	12.5	10.7	22.3*	9.5
West	5.7*	6.9*	11.7	13.7	12.3	12.7	29.0	13.7*
Metro/ Nonmetro areas ^d								
Metropolitan	5.6	8.4	11.9	13.5	13.2	11.6	28.0	13.5
Nonmetro, micropolitan	4.9*	9.9*	13.6*	15.5*	14.4*	12.0	25.7*	8.9*
Nonmetro, noncore	4.7*	10.9*	15.1*	16.3*	14.5	12.0	23.7*	7.5*
County with persistent poverty ^d								
Yes	5.8	7.2	10.1	12.9	13.3	11.5	30.2	14.8
No	5.4*	8.8*	12.5*	13.9	13.4	11.7	27.2*	12.4*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.8. Percentage of Households Shopping Exclusively at Different Store Types: FY 2022
Matched QC-ALERT Sample

Household Characteristic	Percentage of Households Shopping Exclusively at:				Percentage Never Shopping at Supermarkets/ Super stores
	Supermarkets/ Super stores	Grocery Stores ^a	Convenience Stores	Internet Retailer	
All households	28.2	0.2	0.3	1.0	3.6
Household type					
With and without children					
Households with children	16.4	0.1	0.1	0.6	1.7
Households without children	34.7*	0.3*	0.5*	1.2*	4.6*
Types of households with children					
Single-adult households	15.5	0.1	0.1	0.9	2.0
Multiple-adult households	15.9	0.1	0.0	0.3*	1.4
Children only	26.5*	0.3	0.0	0.3*	1.2
All households, by type					
With an elderly person	43.1	0.4	0.2	0.9	3.5
With a non-elderly person with a disability	26.2*	0.3	0.5*	1.7*	5.3*
With a child, without a person who was elderly or had a disability	16.8*	0.1*	0.1*	0.6*	1.6*
Other households	24.4*	0.2*	0.7*	1.2	5.0*
Household size					
1	35.1	0.3	0.5	1.3	4.9
2	26.1*	0.3	0.1*	0.8*	2.3*
3	15.8*	0.1*	0.0*	0.5*	1.5*
4+	11.5*	0.1*	0.0*	0.6*	1.6*
Race and ethnicity of household head					
White, non-Hispanic	31.8	0.2	0.3	1.4	4.5
Black, non-Hispanic	19.8*	0.2	0.5	0.8*	3.4*
Hispanic	33.3	0.4	0.3	0.6*	2.5*
Asian, non-Hispanic	34.6	0.4	0.1*	0.1*	2.2*
Native American, non-Hispanic	20.3*	0.2	0.6	0.3*	4.4
Other ^b	27.4*	0.2	0.2*	1.1	3.1*
Employment Status					
Households with earnings	22.5	0.2	0.2	0.5	2.0
Households without earnings	30.2*	0.3	0.4*	1.2*	4.2*
Receipt of TANF					
Yes	13.3	0.0	0.1	0.3	1.8
No	28.6*	0.2*	0.3*	1.0*	3.7*

Household Characteristic	Percentage of Households Shopping Exclusively at:				Percentage Never Shopping at Supermarkets/ Super stores
	Supermarkets/ Super stores	Grocery Stores ^a	Convenience Stores	Internet Retailer	
SNAP benefit ^c					
\$20 or less	62.3	1.8	1.2	4.5	13.1
\$21-100	53.1*	0.7	1.8	1.5	7.8
\$101-200	47.9*	0.1	0.6	1.5	4.3*
\$201-300	38.1*	0.3	0.4	1.3	4.2*
\$301-400	27.4*	0.2	0.5	1.1	4.9*
\$401-500	26.8*	0.3	0.1*	0.7*	2.0*
\$501 or more	14.2*	0.1	0.0*	0.5*	1.6*
Minimum benefit	62.3	1.8	1.2	4.5	13.1
Maximum benefit	26.4*	0.2	0.3*	0.9*	3.4*
Months in certification period					
≤ 6 months	23.5	0.2	0.3	1.1	3.5
7-12 months	25.5*	0.2	0.3	0.9	3.4
> 12 months	35.3*	0.3	0.3	1.1	4.0
Geographic location					
Region ^d					
Northeast	25.9	0.5	0.4	1.1	5.6
Mid-Atlantic	28.8*	0.2	0.4	1.1	3.7*
Midwest	32.2*	0.2	0.4	1.3	3.6*
Southeast	24.3	0.2	0.3	0.7	3.4*
Southwest	24.0	0.2	0.1	1.2	3.2*
Mountain Plains	31.3*	0.5	0.5	1.1	4.6
West	30.6*	0.1*	0.3	0.8	2.5*
Metro/ Nonmetro areas ^e					
Metropolitan	28.9	0.2	0.3	1.0	3.4
Nonmetro, micropolitan	24.4*	0.2	0.2	0.9	4.0
Nonmetro, noncore	23.5*	0.3	0.4	0.7	4.2
County with persistent poverty ^e					
Yes	18.7	0.4	0.4	0.8	4.1
No	29.2*	0.2	0.3	1.0	3.5

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Grocery stores include large groceries and small/medium grocery stores.

^b Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^c Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^d Regions are defined using FNS region as of FY2022.

^e Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.9. Distribution of Households by Percentage of Redemption at Supermarkets/Super stores: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Benefits Redeemed at Supermarkets/Super stores (Percentage of Households)					
	Zero	1-25%	26-50%	51-75%	76-99%	100%
All households	3.6	4.1	7.4	16.2	40.0	28.7
Household type						
With and without children						
Households with children	1.7	3.9	7.8	19.4	50.0	17.2
Households without children	4.6*	4.2	7.2	14.4*	34.5*	35.0*
Types of households with children						
Single-adult households	2.0	4.0	7.7	19.1	50.8	16.4
Multiple-adult households	1.4	4.1	8.4	19.9	49.6	16.6
Children only	1.2>	2.7	5.4*	18.8	44.7*	27.2*
All households, by type						
With an elderly person	3.5	2.8	5.5	12.0	32.9	43.3
With a non-elderly person with a disability	5.3*	4.9*	7.5*	16.6*	39.1*	26.7*
With a child, without a person who was elderly or had a disability	1.6*	3.8*	7.9*	19.1*	50.1*	17.5*
Other households	5.0*	5.7*	9.5*	17.8*	37.2*	24.7*
Household size						
1	4.8	4.4	7.3	14.3	33.8	35.4
2	2.3*	3.5*	6.8	15.7*	45.0*	26.7*
3	1.5*	4.2	8.1	19.4*	50.4*	16.5*
4+	1.6*	3.8	8.2	22.1*	52.0*	12.4*
Race and ethnicity of household head						
White, non-Hispanic	4.5	4.2	7.6	14.9	36.6	32.2
Black, non-Hispanic	3.4*	4.4	8.5	18.9*	44.4*	20.3*
Hispanic	2.5*	3.3	6.0*	14.4	40.2*	33.7
Asian, non-Hispanic	2.2*	6.2	9.8	18.2	28.8*	34.9
Native American, non-Hispanic	4.4	3.5	8.4	19.2*	43.7*	20.8*
Other ^a	3.1*	3.8	5.9*	15.8	43.4*	27.9*
Employment Status						
Households with earnings	2.0	3.3	7.7	17.7	46.3	23.1
Households without earnings	4.2*	4.4*	7.3	15.7*	37.9*	30.6*
Receipt of TANF						
Yes	1.8	4.6	7.8	22.7	49.2	13.9
No	3.6*	4.1	7.4	16.0*	39.8*	29.1*
SNAP benefit ^b						
\$20 or less	13.1	1.4>	3.1	7.0	13.0	62.3
\$21-100	7.8	2.8	4.7	9.5	21.7*	53.5*

Household Characteristic	Percentage of Benefits Redeemed at Supermarkets/Super stores (Percentage of Households)					
	Zero	1-25%	26-50%	51-75%	76-99%	100%
\$101-200	4.3*	3.6*	6.1*	10.3	27.8*	47.9*
\$201-300	4.2*	3.6*	6.5*	13.4*	34.0*	38.4*
\$301-400	4.9*	5.6*	8.7*	16.4*	36.7*	27.7*
\$401-500	2.0*	3.6*	6.9*	15.7*	44.4*	27.4*
\$501 or more	1.6*	3.9*	8.0*	20.4*	51.1*	15.0*
Minimum benefit	13.1	1.4>	3.1	7.0	13.0	62.3
Maximum benefit	3.4*	4.2*	7.6*	16.8*	41.2*	26.9*
Months in certification period						
≤ 6 months	3.5	4.2	7.9	17.4	42.7	24.2
7-12 months	3.4	4.2	7.8	16.9	41.8	26.0*
> 12 months	4.0	3.9	6.5*	14.2*	35.7*	35.6*
Geographic location						
Region ^c						
Northeast	5.6	5.3	9.0	16.0	37.9	26.2
Mid-Atlantic	3.7*	3.6*	7.3*	16.8	39.4	29.3*
Midwest	3.6*	3.2*	6.7*	14.8	38.9	32.8*
Southeast	3.4*	4.2	8.4	18.4*	41.0*	24.7
Southwest	3.2*	3.9*	6.9*	16.2	45.1*	24.7
Mountain Plains	4.6	4.5	7.3*	14.6	37.4	31.6*
West	2.5*	4.7	6.8*	15.9	39.1	30.9*
Metro/ Nonmetro areas ^d						
Metropolitan	3.4	4.1	7.3	15.8	40.0	29.4
Nonmetro, micropolitan	4.0	4.4	8.2*	17.6*	40.9	24.9*
Nonmetro, noncore	4.2	4.2	8.5*	18.9*	40.2	23.9*
County with persistent poverty ^d						
Yes	4.1	5.5	9.9	20.1	41.2	19.1
No	3.5	4.0*	7.1*	15.8*	40.0	29.7*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

> Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.9a. Percentage of Monthly Benefits Redeemed Online, Overall and by Household Characteristics, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Benefits Redeemed Online (Percentage of Households)					
	Zero	1-25%	26-50%	51-75%	76-99%	100%
All households	87.8	5.2	2.9	1.8	1.2	1.0
Household type						
With and without children						
Households with children	80.2	10.1	4.9	2.6	1.6	0.6
Households without children	92.1*	2.5*	1.8*	1.3*	1.1*	1.2*
Types of households with children						
Single-adult households	78.9	10.5	5.1	2.9	1.8	0.9
Multiple-adult households	79.9	10.7	5.0	2.5	1.5	0.3*
Children only	92.3*	3.8*	2.0*	0.8*	0.7*>	0.3*
All households, by type						
With an elderly person	94.5	1.7	1.4	0.8	0.7	0.9
With a non-elderly person with a disability	87.4*	4.9*	2.8*	1.7*	1.5*	1.7*
With a child, without a person who was elderly or had a disability	80.0*	10.2*	4.9*	2.7*	1.6*	0.6*
Other households	89.6*	3.4*	2.5*	2.0*	1.2*	1.2
Household size						
1	92.1	2.4	1.8	1.3	1.1	1.3
2	86.9*	5.9*	3.2*	1.9*	1.2	0.7*
3	80.0*	9.3*	5.4*	2.7*	2.0*	0.5*
4+	77.0*	12.9*	5.2*	2.9*	1.4	0.6*
Race and ethnicity of household head						
White, non-Hispanic	87.7	4.9	2.8	1.8	1.4	1.4
Black, non-Hispanic	86.4	6.1*	3.4	2.1	1.2	0.8*
Hispanic	90.4*	4.2	2.5	1.4	0.9*	0.6*
Asian, non-Hispanic	96.0*	2.2*	1.2*	0.2*	0.3*	0.1*
Native American, non-Hispanic	90.1	4.5	2.9	1.3	0.8>	0.3*
Other ^a	86.1	6.1*	3.1	2.1	1.5	1.1
Employment Status						
Households with earnings	84.6	7.8	3.7	2.2	1.1	0.5
Households without earnings	88.9*	4.3*	2.6*	1.7*	1.3	1.2*
Receipt of TANF						
Yes	82.7	7.7	5.3	2.6	1.4>	0.3
No	88.0*	5.1*	2.8*	1.8	1.2	1.0*
SNAP benefit ^b						
\$20 or less	93.0	1.0>	0.7	0.5	0.2	4.5
\$21-100	95.9	0.7>	0.9	0.4	0.6	1.5

Household Characteristic	Percentage of Benefits Redeemed Online (Percentage of Households)					
	Zero	1-25%	26-50%	51-75%	76-99%	100%
\$101-200	93.6	1.8>	1.2	1.0	0.9*	1.5
\$201-300	92.3	2.3	1.8*	1.2	1.0*	1.3
\$301-400	91.0	2.9*	2.1*	1.6*	1.3*	1.1
\$401-500	87.5*	5.3*	3.4*	2.1*	1.1*	0.7*
\$501 or more	79.5*	10.8*	5.0*	2.6*	1.6*	0.5*
Minimum benefit	93.0	1.0>	0.7	0.5	0.2	4.5
Maximum benefit	87.6*	5.4*	3.0*	1.8*	1.3*	0.9*
Months in certification period						
≤ 6 months	83.1	7.7	4.0	2.3	1.7	1.1
7-12 months	86.7*	6.0*	3.2*	2.0	1.2*	0.9
> 12 months	92.4*	2.5*	1.8*	1.2*	1.0*	1.1
Geographic location						
Region ^c						
Northeast	89.0	4.8	2.5	1.4	1.2	1.0
Mid-Atlantic	88.3	5.1	2.8	1.7	1.1	1.1
Midwest	87.2	5.6	2.8	1.9	1.2	1.3
Southeast	87.9	5.4	3.2	1.7	1.1	0.7
Southwest	84.2*	6.8*	3.9*	2.6*	1.4	1.2
Mountain Plains	88.2	4.6	2.5	1.9	1.7	1.1
West	90.2	3.7	2.4	1.5	1.3	0.8
Metro/ Nonmetro areas ^d						
Metropolitan	87.7	5.2	2.9	1.8	1.3	1.1
Nonmetro, micropolitan	87.2	5.3	3.1	2.0	1.5	0.9
Nonmetro, noncore	88.6	5.5	2.6	1.7	0.8*	0.7
County with persistent poverty ^d						
Yes	88.9	4.7	2.7	1.9	1.0	0.8
No	87.6	5.3	2.9	1.8	1.3	1.0

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

> Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.9b. Characteristics of Households Who Redeem a Significant Portion of Their Benefits Online, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Households Who Redeem a Significant Portion of Benefits Online ^a	All Households
Household type		
With and without children		
Households with children	44.6*	35.6
Households without children	55.4*	64.4
Types of households with children		
Single-adult households	65.6*	58.6
Multiple-adult households	31.4	34.6
Children only	3.0 ^{>}	6.8
All households, by type		
With an elderly person	17.2*	30.6
With a non-elderly person with a disability	21.6*	18.9
With a child, without a person who was elderly or had a disability	37.8*	29.5
Other households	23.4	20.9
Household size		
1	51.4*	58.3
2	16.2	16.9
3	14.6*	11.1
4+	17.8*	13.8
Race and ethnicity of household head		
White, non-Hispanic	41.6*	38.6
Black, non-Hispanic	26.9	25.4
Hispanic	11.4*	14.2
Asian, non-Hispanic	0.6 ^{>}	3.8
Native American, non-Hispanic	0.6 ^{>}	0.9 ^{>}
Other ^b	18.9	17.1
Employment Status		
Households with earnings	25.7	25.8
Households without earnings	74.3	74.2
Receipt of TANF		
Yes	3.2	2.8
No	96.8	97.2
SNAP benefit ^c		
\$20 or less	1.4 ^{>}	1.4 ^{>}
\$21-100	1.2*	2.0
\$101-200	2.4	3.0

Household Characteristic	Households Who Redeem a Significant Portion of Benefits Online ^a	All Households
\$201-300	25.1*	29.5
\$301-400	24.1	24.6
\$401-500	9.6	9.7
\$501 or more	36.2*	29.7
Minimum benefit	1.4>	1.4>
Maximum benefit	88.2	89.0
Months in certification period		
≤ 6 months	22.8*	17.6
7-12 months	53.2	51.4
> 12 months	24.0*	31.0
Geographic location		
Region ^d		
Northeast	11.1	12.3
Mid-Atlantic	10.9	11.6
Midwest	24.4	22.5
Southeast	15.1	16.8
Southwest	17.7*	14.2
Mountain Plains	4.7	4.1
West	16.2	18.4
Metro/ Nonmetro areas ^e		
Metropolitan	83.9	83.5
Nonmetro, micropolitan	11.1	10.4
Nonmetro, noncore	5.0*	6.1
County with persistent poverty ^e		
Yes	9.3	10.4
No	90.7	89.6

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Defined as households who spend at least 50 percent of their total monthly redemptions at internet retailers in at least one month in the three months centered on the QC sample month.

^b Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^c Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^d Regions are defined using FNS region as of FY2022.

^e Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

> Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.10. Total Monthly EBT Redemption per Household, and Distribution of Households by Total Monthly Amount, FY 2022
Matched QC-ALERT Sample

Household Characteristic	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households) ^a											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
All households	473.53	1.3	1.2	2.5	3.4	5.0	11.2	11.5	13.8	6.6	4.9	5.7	32.8
Household type													
With and without children													
Households with children	772.84	0.4	0.3	0.6	0.8	1.1	1.8	2.1	2.6	2.8	3.5	7.1	76.7
Households without children	308.18*	1.8*	1.7*	3.6*	4.9*	7.2*	16.4*	16.6*	19.9*	8.7*	5.7*	4.9*	8.5*
Types of households with children													
Single-adult households	724.11	0.5	0.3	0.6	0.8	1.2	1.5	1.9	2.4	2.9	4.1	9.3	74.3
Multiple-adult households	890.81*	0.2*	0.2	0.6	0.4*	0.7*	1.3	1.5	1.5*	2.2*	2.2*	3.6*	85.5*
Children only	593.75*	0.3	0.6	0.7	2.5*	2.7>	6.5*>	6.5*>	9.6*	5.1*	5.2	7.0*	53.2*
All households, by type													
With an elderly person	302.76	2.4	2.0	4.1	5.9	8.4	17.3	17.5	15.1	7.6	5.3	5.1	9.3
With a non-elderly person with a disability	422.54*	1.4*	1.5*	3.4	4.1*	6.1*	14.6*	14.7*	12.8*	5.5*	4.2*	6.2*	25.3*
With a child, without a person who was elderly or had a disability	776.42*	0.3*	0.3*	0.7*	0.8*	1.1*	1.7*	2.0*	2.7*	2.8*	3.5*	6.6*	77.4*
Other households	341.88*	1.1*	1.0*	2.1*	3.0*	4.7*	12.7*	12.9*	28.3*	11.5*	7.1*	4.7	10.9*
Household size													
1	288.56	1.9	1.7	3.8	5.2	7.7	17.9	18.1	21.7	9.0	5.2	2.8	4.9
2	496.19*	1.1*	0.8*	1.1*	1.6*	2.3*	3.1*	3.9*	4.8*	5.8*	8.9*	21.3*	45.5*
3	723.68*	0.4*	0.2*	0.6*	0.5*	0.9*	1.3*	1.5*	1.9*	2.0*	2.4*	3.1	85.3*
4+	1027.28*	0.2*	0.2*	0.4*	0.3*	0.4*	0.7*	0.7*	0.8*	1.2*	1.2*	1.2*	92.8*
Race and ethnicity of household head													
White, non-Hispanic	446.80	1.5	1.5	2.8	3.6	5.6	11.8	12.2	14.1	6.8	5.0	5.5	29.4
Black, non-Hispanic	481.96*	1.3	1.1*	2.2*	3.2	4.7*	11.4	11.5	14.5	7.1	4.6	5.3	33.1*
Hispanic	476.41*	1.6	1.3	2.8	4.0	5.3	10.2*	9.4*	12.3*	6.4	5.3	6.6	34.9*

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households) ^a											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Asian, non-Hispanic	471.01	0.4*	0.2*	2.7	3.9	4.2	8.3*	12.4	13.6	7.3	7.5*	8.4*	31.2
Native American, non-Hispanic	524.84*	1.0>	0.9*	2.8	2.6	4.0	11.0	9.0*	14.6	5.7	4.2	5.8	38.5*
Other ^b	516.55*	0.9*	0.8*	2.0*	2.6*	4.3*	11.1	11.6	13.1	5.7*	4.5	5.4	38.1*
Employment Status													
Households with earnings	642.42	0.9	0.7	1.3	1.8	3.1	6.2	6.5	7.6	4.9	4.5	6.3	56.2
Households without earnings	414.94*	1.5*	1.4*	3.0*	4.0*	5.7*	12.9*	13.2*	15.9*	7.2*	5.1*	5.5*	24.6*
Receipt of TANF													
Yes	722.42	0.2	0.2	0.9	0.9	1.9>	2.7	2.8>	2.9	3.4	2.8	9.1	72.1
No	466.47*	1.4*	1.2*	2.6*	3.5*	5.1*	11.5*	11.7*	14.1*	6.7*	5.0*	5.6*	31.7*
SNAP benefit ^c													
\$20 or less	88.30	44.0	20.7	10.7	3.9	5.3	6.1	3.5	1.2>	1.3>	0.9	1.1>	1.3>
\$21-100	121.11*	6.8*	18.7	35.9*	15.7*	8.7	4.7	2.0	2.0	1.0	0.9	0.8	2.7
\$101-200	189.83*	1.2*	1.7*	9.8	30.9*	27.6*	11.8*	6.1*	3.1*	2.1	1.2	1.9	2.7
\$201-300	272.05*	1.0*	0.9*	2.6*	4.9	9.4*	27.7*	26.2*	12.5*	6.0*	3.3*	2.0	3.5*
\$301-400	348.21*	0.5*	0.5*	1.7*	1.9*	3.6	8.0	11.3*	36.8*	14.7*	8.5*	4.1*	8.3*
\$401-500	485.72*	0.7*	0.4*	0.6*	0.8*	1.7*	2.9*	3.9	5.0*	6.8*	12.0*	29.9*	35.3*
\$501 or more	844.17*	0.2*	0.1*	0.4*	0.3*	0.5*	0.8*	0.9*	1.3	1.6	2.2*	3.7*	87.9*
Minimum benefit	88.32	43.9	20.7	10.7	3.9	5.3	6.1	3.5	1.2>	1.3>	0.9	1.1>	1.3>
Maximum benefit	495.45*	0.6*	0.5*	1.5*	2.2*	4.1	11.3*	12.1*	15.0*	7.0*	5.2*	6.0*	34.6*
Months in certification period													
≤ 6 months	570.62	1.3	1.1	1.8	2.7	4.2	8.4	7.5	10.4	5.9	5.0	5.9	45.7
7-12 months	521.44*	1.3	1.2	2.3	3.1	4.3	8.9	8.9*	13.0*	6.0	4.7	5.9	40.2*
> 12 months	339.09*	1.3	1.2	3.3*	4.5*	6.7*	16.6*	17.9*	16.9*	8.0*	5.3	5.3	13.1*
Geographic location													
Region ^d													
Northeast	475.25	0.4	0.3	1.3	1.5	3.4	7.8	11.6	21.5	8.8	6.0	6.1	31.2
Mid-Atlantic	478.27	0.6	0.7	1.3	2.5*	4.1	12.1*	12.7	15.1*	6.9*	4.5*	6.7	33.0
Midwest	431.09*	2.9*	2.7*	4.6*	6.3*	7.8*	13.3*	10.4	8.4*	5.2*	4.0*	4.6*	29.9

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households) ^a											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Southeast	494.88	0.9*	0.7*	2.0*	2.7*	4.9*	9.9*	12.0	15.0*	7.6	5.5	4.8*	34.1
Southwest	541.92*	1.2*	0.9*	2.0*	2.5*	3.6	11.6*	11.2	11.2*	5.1*	3.9*	5.4	41.4*
Mountain Plains	416.82*	2.4*	2.4*	5.4*	6.7*	6.9*	13.4*	10.9	8.7*	4.5*	3.9*	5.6	29.3
West	461.80	0.7	0.7	1.8	2.5*	4.2	10.8*	11.9	16.4*	7.5	6.2	7.3	30.1
Metro/ Nonmetro areas ^e													
Metropolitan	474.62	1.3	1.1	2.4	3.3	5.0	10.9	11.3	14.2	6.8	5.1	5.7	32.8
Nonmetro, micropolitan	477.80	1.3	1.2	2.7	3.7	5.1	12.2*	11.7	12.5*	5.8*	4.3*	5.4	34.1
Nonmetro, noncore	475.10	1.7	1.9*	3.4*	4.3*	5.3	12.0	10.9	9.6*	5.5*	4.3*	6.5	34.7
County with persistent poverty ^e													
Yes	482.12	1.1	1.1	2.6	3.2	4.3	10.8	11.2	14.7	6.6	4.9	5.7	33.8
No	474.15	1.4	1.2	2.5	3.5	5.1*	11.1	11.3	13.6	6.6	5.0	5.7	33.0

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Household monthly redemption is defined as the total amount of EBT purchase transactions in the calendar month. This can be greater or less than the total amount of benefits received in that month.

^b Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^c Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^d Regions are defined using FNS region as of FY2022.

^e Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.10a. Total Monthly EBT Redemption per Household, and Distribution of Households by Total Monthly Amount in \$100 Increments, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households) ^a										
		<\$101	\$101-200	\$201-300	\$301-400	\$401-500	\$501-600	\$601-700	\$701-800	\$801-900	\$901-1,000	>1,000
All households	473.53	5.0	8.5	22.7	20.4	10.6	7.4	5.8	4.5	4.0	3.3	7.8
Household type												
With and without children												
Households with children	772.84	1.3	1.9	3.9	5.4	10.7	12.3	12.9	11.2	10.5	8.8	21.1
Households without children	308.18*	7.1*	12.1*	33.1*	28.6*	10.6	4.6*	1.9*	0.9*	0.4*	0.3*	0.5*
Types of households with children												
Single-adult households	724.11	1.5	2.0	3.4	5.4	13.4	15.6	13.6	11.6	9.5	7.8	16.3
Multiple-adult households	890.81*	1.0	1.1*	2.8	3.7*	5.8*	6.8*	12.3	10.9	12.8*	11.6*	31.1*
Children only	593.75*	1.7>	5.2>	13.0*	14.7*	12.1	11.7*	10.2*	8.8*	7.4	4.1*	11.1*
All households, by type												
With an elderly person	302.76	8.4	14.3	34.8	22.8	10.4	4.5	2.2	0.9	0.5	0.4	0.7
With a non-elderly person with a disability	422.54*	6.3*	10.2*	29.3*	18.4*	10.4	5.3	5.1*	3.2*	3.4*	2.3*	6.0*
With a child, without a person who was elderly or had a disability	776.42*	1.3*	1.9*	3.8*	5.5*	10.1	12.5*	12.5*	11.6*	10.5*	9.1*	21.3*
Other households	341.88*	4.2*	7.7*	25.6*	39.8*	11.9*	6.1*	2.1	1.0	0.6	0.4	0.7
Household size												
1	288.56	7.4	13.0	36.0	30.7	7.9	2.8	1.1	0.4	0.2	0.2	0.3
2	496.19*	2.9*	3.9*	7.0*	10.5*	30.2*	25.1*	9.3*	4.8*	2.7*	1.8*	1.9*
3	723.68*	1.2*	1.4*	2.8*	3.9*	5.4*	9.4*	25.8*	22.2*	10.3*	6.1*	11.5*
4+	1027.28*	0.7*	0.7*	1.4*	1.9*	2.4*	3.1	5.4*	7.5*	16.7*	16.4*	43.7*
Race and ethnicity of household head												
White, non-Hispanic	446.80	5.9	9.2	24.0	20.9	10.5	6.9	5.5	4.0	3.5	2.9	6.7
Black, non-Hispanic	481.96*	4.5*	8.0*	22.9	21.6	9.9	7.2	5.8	4.7*	3.9	3.5	8.1*
Hispanic	476.41*	5.7	9.4	19.5*	18.6*	11.9	8.4*	5.6	5.5*	4.5	3.7	7.3

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households) ^a										
		<\$101	\$101-200	\$201-300	\$301-400	\$401-500	\$501-600	\$601-700	\$701-800	\$801-900	\$901-1,000	>1,000
Asian, non-Hispanic	471.01	3.3*	8.0	20.7	20.9	15.9*	10.4*	6.4	2.5*	2.9	1.9*	7.1
Native American, non-Hispanic	524.84*	4.7	6.5*	19.9	20.3	10.0	5.2	6.5	6.1	5.8*	5.8*	9.2
Other ^b	516.55*	3.7*	6.9*	22.6	18.8*	9.8	7.2	6.5	5.1*	5.2*	3.9*	10.2*
Employment Status												
Households with earnings	642.42	2.9	4.9	12.7	12.5	10.8	9.3	9.7	7.2	7.6	6.5	15.9
Households without earnings	414.94*	5.8*	9.7*	26.1*	23.1*	10.6	6.7*	4.4*	3.6*	2.8*	2.3*	5.0*
Receipt of TANF												
Yes	722.42	1.3>	2.9	5.5	6.3	11.9	11.8	11.5	11.0	13.4	7.0	17.4
No	466.47*	5.1*	8.6*	23.2*	20.8*	10.6	7.2*	5.6*	4.3*	3.7*	3.2*	7.5*
SNAP benefit ^c												
\$20 or less	88.30	75.4	9.2	9.6	2.5	2.0	0.4	0.4	0.2	0.2	0.1	0.0
\$21-100	121.11*	61.4*	24.4*	6.7	3.0	1.7	1.7	0.5	0.3	0.1	0.0	0.0
\$101-200	189.83*	12.6*	58.5*	17.9*	5.2*	3.0	1.1	0.7	0.4	0.2	0.0	0.3
\$201-300	272.05*	4.4*	14.3*	54.0*	18.5*	5.2*	1.8*	0.8	0.3	0.2	0.2	0.3*
\$301-400	348.21*	2.7*	5.5	19.4*	51.6*	12.6*	4.6*	1.9*	0.7*	0.3	0.3	0.5*
\$401-500	485.72*	1.7*	2.5*	6.8	11.8*	42.0*	18.4*	7.8*	4.4*	2.1*	1.2*	1.5*
\$501 or more	844.17*	0.7*	0.8*	1.8*	2.9	5.9*	12.9*	14.4*	12.9*	12.3*	10.4*	25.0*
Minimum benefit	88.32	75.3	9.2	9.6	2.5	2.0	0.4	0.4	0.2	0.2	0.1	0.0
Maximum benefit	495.45*	2.5*	6.4	23.4*	21.9*	11.2*	7.7*	6.0*	4.8*	4.3*	3.6*	8.3*
Months in certification period												
≤ 6 months	570.62	4.3	6.9	16.0	16.3	10.9	8.8	8.3	6.3	5.0	4.5	12.9
7-12 months	521.44*	4.8	7.4	17.8*	19.1*	10.6	8.3	6.8*	5.7	5.3	4.4	9.7*
> 12 months	339.09*	5.9*	11.2*	34.5*	24.8*	10.5	4.9*	2.6*	1.6*	1.4*	0.9*	1.8*
Geographic location												
Region ^d												
Northeast	475.25	2.0	4.9	19.4	30.3	12.1	8.6	5.0	4.6	4.0	2.8	6.3
Mid-Atlantic	478.27	2.6	6.6*	24.7*	21.9*	11.2	7.8	5.9	4.7	4.0	3.4	7.3

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households) ^a										
		<\$101	\$101-200	\$201-300	\$301-400	\$401-500	\$501-600	\$601-700	\$701-800	\$801-900	\$901-1,000	>1,000
Midwest	431.09*	10.2*	14.0*	23.7*	13.6*	8.5*	6.0*	6.0	4.3	3.3	3.0	7.3
Southeast	494.88	3.5*	7.6*	21.9*	22.6*	10.3*	7.4	5.6	4.8	3.9	3.5	9.0*
Southwest	541.92*	4.1*	6.1*	22.7*	16.3*	9.4*	7.4	6.7*	5.3	5.7*	4.6*	11.8*
Mountain Plains	416.82*	10.1*	13.6*	24.3*	13.1*	9.5*	6.5*	6.6*	4.1	3.7	2.7	5.8
West	461.80	3.2*	6.7*	22.7*	23.9*	13.5	8.0	5.3	4.0	3.8	3.2	5.9
Metro/ Nonmetro areas ^e												
Metropolitan	474.62	4.9	8.3	22.2	21.0	10.8	7.5	5.8	4.5	4.0	3.3	7.8
Nonmetro, micropolitan	477.80	5.2	8.8	23.9*	18.3*	9.6*	7.0	6.2	5.0	4.1	4.2*	7.6
Nonmetro, noncore	475.10	7.0*	9.5*	22.9	15.1*	10.8	7.2	6.3	4.7	4.8	3.3	8.5
County with persistent poverty ^e												
Yes	482.12	4.8	7.5	22.1	21.2	10.6	7.4	5.3	5.2	4.4	3.9	7.7
No	474.15	5.0	8.6*	22.5	20.3	10.7	7.4	5.9	4.5	4.0	3.3	7.8

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Household monthly redemption is defined as the total amount of EBT purchase transactions in the calendar month. This can be greater or less than the total amount of benefits received in that month.

^b Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^c Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^d Regions are defined using FNS region as of FY2022.

^e Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.11. Average Number of EBT Transactions per Month, for Households Grouped by Total Monthly Redemption: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average Number of EBT Purchase Transactions												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
All households	12.2	1.5	2.3	3.6	4.9	6.6	8.0	9.4	10.9	11.6	12.2	12.3	17.8
Household type													
With and without children													
Households with children	17.0	1.5	2.4	3.2	4.4	5.5	7.1	8.2	9.4	10.0	11.3	12.3	18.9
Households without children	9.6*	1.5	2.3	3.7	5.0*	6.7*	8.1	9.4*	11.1*	11.9*	12.4*	12.2	14.3*
Types of households with children													
Single-adult households	16.3	1.6	2.4	3.3	5.0	5.7	7.0	8.2	9.7	10.6	11.3	12.6	18.1
Multiple-adult households	19.0*	1.2	3.0	3.2	4.1	5.5	8.7	9.8	9.2	9.4*	11.5	12.4	20.4*
Children only	12.7*	1.1*	1.4*	2.5	3.0*	4.3*	5.8	6.4*	8.4	9.0	11.4	9.3*	16.5*
All households, by type													
With an elderly person	8.7	1.5	2.2	3.5	4.7	6.4	7.8	8.7	9.8	10.6	11.3	11.3	13.7
With a non-elderly person with a disability	11.4*	1.4	2.5	3.6	5.2	6.7	8.0	9.5*	10.6*	11.2	11.5	12.4	18.0*
With a child, without a person who was elderly or had a disability	16.9*	1.5	2.3	3.2	4.3	5.5	7.3	8.1	9.3	9.8*	11.4	12.2	18.8*
Other households	11.5*	1.4	2.5	4.1	5.4*	7.2*	8.5*	10.6*	12.4*	13.6*	14.0*	13.7*	16.0*
Household size													
1	9.3	1.5	2.3	3.7	5.0	6.7	8.0	9.4	11.1	12.0	12.6	12.3	13.7
2	12.5*	1.5	2.3	3.5	4.9	5.6*	7.1*	8.5	9.4*	10.6*	11.8	12.3	15.3*
3	16.5*	1.2*	2.0	2.9	4.4	5.6	7.8	8.2	10.1	9.7*	10.9*	11.8	17.8*
4+	20.9*	1.6	3.5*	3.0	3.6*	5.9	8.8	10.2	8.9*	9.9*	9.8*	11.5	21.8*
Race and ethnicity of household head													

Household Characteristic	Average Number of EBT Purchase Transactions												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
White, non-Hispanic	11.5	1.4	2.3	3.5	4.8	6.4	7.8	9.2	10.5	10.9	11.5	11.6	17.5
Black, non-Hispanic	13.3*	1.6	2.6	4.0	5.8*	7.6*	8.8*	10.4*	12.0*	13.6*	13.3*	13.1*	18.7*
Hispanic	11.8	1.3	2.1	3.3	4.2	5.7	7.5	8.3	10.8	10.8	12.3	11.7	17.1
Asian, non-Hispanic	11.9	1.3	1.9	3.7	4.5	7.5	6.6	9.6	9.4	10.6	12.7	14.7	16.7
Native American, non-Hispanic	14.4*	2.3	3.6	5.2	4.3	9.0	8.2	9.2	12.5	13.9*	13.4	16.3	20.2*
Other ^a	12.6*	1.5	2.4	3.6	4.7	6.0	7.9	9.1	10.6	11.0	11.5	12.0	17.6
Employment Status													
Households with earnings	15.3	1.5	2.5	3.6	5.3	7.3	8.8	10.1	11.4	11.3	12.1	12.8	19.0
Households without earnings	11.2*	1.5	2.3	3.6	4.9	6.5*	7.9*	9.2*	10.8*	11.7	12.2	12.1	16.9*
Receipt of TANF													
Yes	16.9	2.0	2.0	3.2	3.3	4.6	6.1	8.9	8.9	10.4	11.2	11.9	19.4
No	12.1*	1.5	2.3	3.6	4.9*	6.6*	8.0*	9.4	10.9*	11.7	12.2	12.3	17.7*
SNAP benefit ^b													
\$20 or less	3.6	1.5	2.3	3.1	4.4	7.0	7.5	9.6	9.4	10.5	13.8	10.3	18.9
\$21-100	4.6*	1.5	2.4	3.7	5.3	6.7	7.1	7.0	10.2	9.1	6.8	11.8	12.6
\$101-200	6.5*	1.4	2.6	3.3	5.0	6.3	7.7	9.2	7.6	10.6	11.9	13.1	17.5
\$201-300	8.7*	1.4	2.3	3.8	4.9	6.9	8.0	9.2	10.4	10.7	11.0	12.0	13.1
\$301-400	11.1*	1.5	2.2	3.8	5.3	6.4	8.1	9.9	11.4	12.6	13.3	12.5	14.4
\$401-500	12.2*	1.4	1.9	3.4	3.9	5.5	7.1	8.3	9.2	10.8	11.6	12.3	14.8
\$501 or more	18.3*	1.4	2.7	3.0	4.4	5.5	8.0	9.0	10.4	9.8	11.5	12.2	19.3
Minimum benefit	3.6	1.5	2.3	3.1	4.4	7.0	7.5	9.6	9.4	10.5	13.8	10.3	18.9
Maximum benefit	12.8*	1.4	2.3	3.7	4.9	6.7	8.1	9.4	11.0	11.7	12.3	12.3	17.8
Months in certification period													
≤ 6 months	13.8	1.5	2.5	3.8	5.2	7.0	7.7	9.9	11.6	12.5	12.2	12.4	18.2
7-12 months	13.3*	1.5	2.3	3.6	4.8	6.5	8.2	9.6	11.2	12.0	12.6	12.6	18.3
> 12 months	9.7*	1.5	2.4	3.5	5.0	6.6	8.0	9.1*	10.4*	10.9*	11.5	11.5	14.8*

Household Characteristic	Average Number of EBT Purchase Transactions												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Geographic location													
Region ^c													
Northeast	12.9	1.6	1.8	3.5	5.2	7.1	8.0	9.5	11.1	12.2	13.1	12.5	17.4
Mid-Atlantic	12.0*	1.4	2.0	4.2	5.3	6.5	7.9	9.0	10.2	11.2	11.0*	11.1	16.7
Midwest	10.9*	1.5	2.4	3.5	5.0	6.6	7.6	9.3	10.5	11.8	11.3*	11.8	17.4
Southeast	13.0	1.5	2.2	3.8	5.1	6.7	8.2	9.4	10.9	11.9	12.7	12.8	18.6
Southwest	13.4	1.5	2.5	3.8	4.8	6.6	8.0	9.2	11.3	11.5	12.0	12.5	18.7
Mountain Plains	11.1*	1.6	2.4	3.3	5.0	6.3	8.1	9.2	11.1	10.7	12.5	12.3	17.3
West	12.4	1.3	2.5	3.4	4.3	6.4	8.4	9.8	11.2	11.3	12.3	12.5	17.5
Metro/ Nonmetro areas ^d													
Metropolitan	12.3	1.5	2.4	3.6	4.9	6.7	8.0	9.4	11.0	11.7	12.2	12.2	17.6
Nonmetro, micropolitan	12.5	1.4	2.1	3.6	5.1	6.3	7.9	9.6	10.7	11.4	12.0	12.6	18.4
Nonmetro, noncore	12.3	1.8*	2.3	3.7	4.7	6.5	7.7	9.1	10.1	11.4	11.8	12.3	18.8*
County with persistent poverty ^d													
Yes	13.9	1.6	2.3	4.0	5.6	7.1	8.8	10.3	12.0	14.3	14.9	12.6	19.8
No	12.1*	1.5	2.3	3.6	4.9*	6.6	7.9*	9.3*	10.8*	11.3*	11.9*	12.2	17.5*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.12. Average Purchase Amount per Transaction, for Households Grouped by Total Monthly Redemption: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average Transaction Amount (\$)												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
All households	51.87	15.19	39.18	77.62	127.40	177.47	232.64	272.05	329.76	372.84	425.56	472.30	820.77
Household type													
With and without children													
Households with children	57.87	12.22	38.46	76.83	125.84	176.48	229.77	276.00	327.58	376.63	427.02	472.33	878.49
Households without children	48.56*	15.65*	39.27	77.71	127.54	177.55	232.83*	271.75*	329.95*	372.15*	425.06*	472.28	642.03*
Types of households with children													
Single-adult households	56.66	12.77	39.11	77.09	124.02	175.04	228.38	277.36	326.56	377.17	427.28	471.81	827.98
Multiple-adult households	59.87*	9.23	39.65	76.69	123.02	176.44	230.50	275.31	328.52	375.20	427.43	473.35	969.45*
Children only	58.17	15.99	32.77	75.57	133.80*	182.12*	232.01	273.24	329.58	377.35	424.40	474.82	806.76
All households, by type													
With an elderly person	50.76	17.17	39.33	77.79	127.44	177.51	231.34	272.03	326.83	372.64	424.37	471.87	658.48
With a non-elderly person with a disability	51.03	15.31	39.62	76.16	127.10	177.59	233.75*	271.51	327.59	373.48	425.70	472.56	824.54*
With a child, without a person who was elderly or had a disability	58.37*	12.20*	38.39	77.42	126.01	175.96	231.08	275.18*	327.68	376.40*	426.46	472.37	878.69*
Other households	45.10*	11.81*	38.67	79.16	128.10	177.70	234.46*	271.87	333.80*	371.46	426.17	472.58	643.28
Household size													
1	48.05	15.91	39.24	77.82	127.55	177.59	233.06	271.60	330.05	371.76	424.29	473.26	637.91
2	53.39*	13.41	38.57	76.21	128.12	176.63	227.62*	276.50*	327.18*	377.08*	427.67*	470.89*	647.56
3	57.38*	11.20	39.19	78.20	122.33*	174.62	224.12*	279.84*	328.09	376.03	426.82	476.87*	792.85*
4+	61.76*	9.61*	40.00	73.78	120.69	178.03	231.23	272.73	325.68	377.78*	428.20	476.84	1078.76*

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Average Transaction Amount (\$)												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Race and ethnicity of household head													
White, non-Hispanic	53.92	15.48	39.16	77.10	127.47	177.10	232.28	272.23	328.98	372.78	425.16	471.87	807.80
Black, non-Hispanic	47.01*	14.61	39.38	77.74	128.03	177.65	233.67*	271.87	329.84	372.65	425.67	473.01	835.94*
Hispanic	53.10	16.28	39.73	77.58	126.59	177.34	231.39	271.89	330.93	372.93	424.35	472.83	803.48
Asian, non-Hispanic	54.60	15.99	43.03*	76.81	129.20	180.30	227.33	275.86	331.96	372.57	426.25	472.38	772.98
Native American, non-Hispanic	46.27*	14.53	37.64	76.22	130.83	179.70	231.11	268.80*	328.44	376.10	425.24	472.59	869.07*
Other ^a	53.20	13.94	38.13	79.34	126.21	177.57	233.92	271.26	330.22	373.15	427.34	471.70	845.48*
Employment Status													
Households with earnings	53.35	14.24	37.60	76.55	128.13	176.97	233.16	271.95	329.85	373.92	426.02	473.19	873.99
Households without earnings	51.36*	15.44	39.50*	77.79	127.27	177.56	232.55	272.07	329.75	372.58	425.42	471.95	783.15*
Receipt of TANF													
Yes	54.52	10.39	33.32	74.84	120.58	183.30	233.46	273.53	331.52	374.72	428.36	472.17	846.32
No	51.80	15.21*	39.22*	77.65	127.45	177.40	232.64	272.04	329.75	372.81	425.51	472.31	819.29*
SNAP benefit ^b													
\$20 or less	25.48	18.43	37.14	70.16	126.74	175.06	228.80	272.27	321.78	375.61	422.20	470.04	729.88
\$21-100	35.51*	17.12	41.38*	75.44*	122.61	172.03	229.82	267.79	326.51	379.67	432.62	473.86	624.90
\$101-200	45.39*	15.23	40.24	82.35*	127.94	174.14	224.32	270.99	321.61	376.67	427.22	470.13	678.51
\$201-300	48.28*	14.64*	39.01	78.01*	127.84	178.45	233.87	269.81	324.40	372.02	422.68	473.87	663.90
\$301-400	50.36*	11.81*	38.63	78.67*	129.07	177.69	231.24	276.01	333.23	371.67	425.03	472.78	636.29
\$401-500	54.30*	8.81*	37.13	75.90	123.61	178.37	228.49	277.31	327.11	377.59	428.14	469.72	644.50
\$501 or more	58.91*	10.78*	39.87	77.16	124.07	175.91	228.84	278.57	327.91	376.67	426.85	475.91	899.01*
Minimum benefit	25.49	18.44	37.14	70.16	126.74	175.06	228.80	272.27	321.78	375.61	422.20	470.04	729.88
Maximum benefit	52.56*	12.78*	38.72	78.19*	127.85	178.07	233.29	272.09	329.97	372.69	425.53	472.31	822.78
Months in certification period													
≤ 6 months	53.51	13.65	38.96	77.76	128.42	177.48	233.93	270.96	330.99	373.68	426.79	471.67	864.44
7-12 months	51.65*	15.00	38.96	78.07	127.16	177.45	232.13*	272.43	330.69	372.80	425.82	472.80	831.54*

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Average Transaction Amount (\$)												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
> 12 months	51.27*	16.50*	39.65	77.02	127.29	177.52	232.75	272.01	328.12*	372.56	424.53*	471.74	708.42*
Geographic location													
Region ^c													
Northeast	56.66	12.64	35.34	75.40	126.61	178.27	232.87	274.78	332.15	371.39	426.05	471.91	785.59
Mid-Atlantic	54.68	12.94	39.43	80.44	128.49	177.92	233.25	270.86*	330.09*	371.54	426.72	471.64	805.44
Midwest	50.15*	16.30	39.51	77.32	126.99	176.69	232.11	270.69*	326.48*	373.63	424.91	472.11	832.19*
Southeast	51.17*	14.01	39.78	78.28	128.46	178.48	231.02	273.22	328.44*	372.68	424.28	473.41	839.64*
Southwest	51.59*	14.69	39.10	78.61	127.88	176.94	236.02*	270.10*	329.63*	373.22	428.17	470.81	870.09*
Mountain Plains	48.54*	17.36	39.04	76.73	127.00	176.66	234.16	268.68*	328.79*	372.96	428.64	470.58	792.70
West	50.60*	13.87	38.42	77.23	126.86	177.68	231.38	273.49	331.40	373.97	424.53	473.37	782.02
Metro/ Nonmetro areas ^d													
Metropolitan	52.01	14.91	39.07	77.67	127.55	177.55	232.61	272.38	330.02	372.75	425.50	472.40	818.22
Nonmetro, micropolitan	50.27	15.69	40.06	76.21	125.93	176.12	232.88	270.61*	328.99	373.50	425.77	472.38	833.85
Nonmetro, noncore	50.00*	17.41*	38.80	78.72	128.12	177.57	231.52	271.30	327.64*	372.90	425.94	470.90	822.19
County with persistent poverty ^d													
Yes	46.48	14.43	39.07	76.13	126.91	177.30	233.24	270.79	329.29	371.95	425.93	472.81	822.73
No	52.31*	15.26	39.17	77.78	127.46	177.42	232.49	272.27*	329.87	372.94	425.50	472.25	819.77

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month. See Table A.25 for sample sizes.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.13. Average Percentage of Benefits Redeemed at Supermarkets/Super stores, for Households Grouped by Total Monthly Redemption: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average Percentage of Benefits Redeemed at Supermarkets/Super stores												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
All households	77.8	62.6	69.0	76.6	78.6	80.1	80.0	78.9	77.1	78.6	79.1	80.5	77.7
Household type													
With and without children													
Households with children	77.5	64.0	62.6	76.8	77.6	79.9	77.7	77.1	78.7	79.2	79.5	79.7	77.5
Households without children	78.2	61.9	70.9	76.5	78.8	80.1	80.2	79.1	76.9	78.4	78.9	81.1	78.5
Types of households with children													
Single-adult households	77.6	59.8	68.5	77.4	77.7	79.4	77.9	78.2	75.5	77.3	81.2	78.9	77.7
Multiple-adult households	77.1	82.2	54.5	77.0	70.8	77.7	72.1	70.0	84.7*	80.8	75.5	81.5	77.0
Children only	80.2	13.6*	42.7	67.2	89.8	85.6	87.5	85.6	83.1	85.3	77.3	83.4	79.6
All households, by type													
With an elderly person	82.7	72.7	74.9	83.1	83.8	83.5	84.2	83.0	83.2	83.7	84.3	83.7	80.7
With a non-elderly person with a disability	76.3*	54.9	66.8	74.1*	75.7*	77.2*	77.0*	76.0*	74.2*	76.9*	76.7*	79.1*	77.3*
With a child, without a person who was elderly or had a disability	77.7*	67.3	62.7	76.8	78.2	79.0	78.4	78.3	78.2	79.8	79.6*	80.5	77.6*
Other households	73.7*	50.7*	67.9	67.6*	70.4*	76.1*	75.5*	74.7*	72.9*	73.6*	73.9*	76.8*	75.4*
Household size													
1	77.7	60.6	71.4	75.8	79.2	80.0	80.2	79.0	76.7	77.8	77.6	78.8	77.2
2	80.3*	67.4	67.2	75.2	76.1	82.1	80.8	79.9	81.5*	81.7*	80.9*	81.1	80.2*
3	77.8	80.0	67.8	88.0*	79.4	76.9	77.9	77.2	75.1	77.3	81.3	81.7	77.8
4+	76.5	42.6	43.2	77.0	69.0	79.3	71.8	70.2	75.9	80.7	78.4	80.1	76.5

Household Characteristic	Average Percentage of Benefits Redeemed at Supermarkets/Super stores												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Race and ethnicity of household head													
White, non-Hispanic	77.5	67.0	70.0	76.3	79.9	80.1	78.6	78.6	77.5	78.9	79.4	80.4	77.1
Black, non-Hispanic	76.4	56.5	59.0	73.1	75.5	75.8*	77.7	76.5	74.3*	74.9*	76.7	79.2	77.2
Hispanic	80.3*	63.9	71.8	83.1	81.9	87.3*	85.9*	82.2	78.6	81.1	82.1	83.3	79.4
Asian, non-Hispanic	74.7	54.2	24.8*	74.0	70.7	79.3	85.4	79.7	79.2	77.1	76.0	73.1	72.0*
Native American, non-Hispanic	74.0	39.7	76.3	67.3	87.8	79.6	79.0	78.9	75.2	73.7	75.2	78.6	73.0
Other ^a	79.5*	64.6	83.4	77.5	80.2	80.4	81.4	80.4	79.1	82.6*	80.2	81.9	79.3
Employment Status													
Households with earnings	78.6	73.1	62.7	77.9	75.4	79.2	80.1	77.9	79.6	81.3	82.3	81.3	78.4
Households without earnings	77.4*	58.3*	70.7	76.3	79.3	80.3	80.0	79.1	76.6*	77.8*	78.0*	80.1	77.1*
Receipt of TANF													
Yes	75.9	5.4	60.7	91.8	63.5	88.0	77.2	74.1	86.2	69.6	67.1	71.5	76.2
No	77.9	63.2*	69.1	76.2*	78.7	79.9	80.0	78.9	77.0*	78.7*	79.3	80.9*	77.8
SNAP benefit ^b													
\$20 or less	81.1	71.1	81.1	86.1	89.5	86.0	77.9	75.6	91.1	90.0	58.8	86.3	86.0
\$21-100	81.7	50.6	82.3	80.8	82.3	85.1	83.9	80.6	86.6	87.7	86.3	90.3	83.5
\$101-200	82.6	42.6	85.7	84.6	80.6*	83.2	83.7	83.4	86.5	87.4	83.3	84.6	81.4
\$201-300	80.3	64.4	71.7	77.3	80.2*	80.5	81.0	80.4	81.2*	81.5	82.1	79.1	80.1
\$301-400	75.1*	54.3	59.8	67.4*	75.0*	77.0	77.7	76.4	74.4*	76.3*	76.1	79.1	75.6
\$401-500	80.6	74.7	58.4	76.7	70.7	82.4	80.0	80.3	82.2*	82.3	81.2	81.0	80.7
\$501 or more	77.3	61.6	61.0	80.4	75.7*	77.4	75.6	73.5	77.6*	77.5*	79.5	80.7	77.3
Minimum benefit	81.1	71.1	81.1	86.1	89.5	86.0	77.9	75.6	91.1	90.0	58.8	86.3	86.0
Maximum benefit	77.7	62.2	66.3*	75.0*	78.1*	79.2	79.7	78.9	77.0*	78.2*	78.9	80.2	77.6
Months in certification period													
≤ 6 months	77.6	61.8	67.0	74.8	73.0	79.8	79.0	76.1	74.1	76.4	76.9	79.8	78.2
7-12 months	77.2	61.0	72.1	76.9	79.0	80.7	79.6	78.2	76.4	77.3	78.5	80.2	77.0

Household Characteristic	Average Percentage of Benefits Redeemed at Supermarkets/Super stores												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
> 12 months	79.7*	67.0	65.6	77.0	80.4*	79.4	80.7	80.3*	79.2*	81.2*	81.3*	81.6	79.9
Geographic location													
Region ^c													
Northeast	74.2	59.9	52.9	65.9	79.9	75.4	77.0	76.7	72.2	75.6	73.6	76.6	74.7
Mid-Atlantic	78.1*	57.6	66.0	78.4	77.7	80.9	79.6	80.4	78.3*	77.8	81.7*	80.8	77.5
Midwest	79.7*	61.2	72.7	80.6	78.5	83.8*	80.5	80.3	80.0*	80.9*	81.9*	81.3	79.4*
Southeast	75.9	54.1	65.9	73.4	80.4	77.7	79.9	76.9	76.7*	77.6	77.0	79.0	75.2
Southwest	78.2*	62.9	72.7	74.3	79.0	77.6	80.7	81.1	78.3*	78.4	79.7*	82.2	77.9
Mountain Plains	78.2*	48.3	74.5	77.6	71.5	79.1	78.2	78.2	77.9*	78.2	80.3*	77.8	79.0*
West	79.6*	83.3	67.2	79.9	79.1	80.5	81.1	78.4	78.0*	80.4	80.2*	82.1	79.9*
Metro/ Nonmetro areas ^d													
Metropolitan	78.3	62.9	69.8	77.8	79.2	80.5	80.6	79.1	77.2	78.7	79.4	80.9	78.3
Nonmetro, micropolitan	75.8*	66.2	74.0	70.6	75.5	75.9	77.5*	77.7	76.1	78.0	78.0	79.0	75.5*
Nonmetro, noncore	75.0*	55.6	56.9	72.9	77.1	79.1	75.0*	77.3	76.9	76.7	77.1	76.9	74.7*
County with persistent poverty ^d													
Yes	72.0	45.8	56.1	73.3	69.6	77.4	75.3	75.1	71.9	71.4	72.0	75.4	71.8
No	78.6*	64.2	70.8	77.3	79.7*	80.2	80.5*	79.3*	77.7*	79.4*	79.9*	81.0*	78.4*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month. See Table A.25 for sample sizes.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.14. Percentage of Households with No Supermarket/Super Store Redemption, for Households Grouped by Total Monthly Redemption: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Households with No Supermarket/Super store Redemption												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
All households	3.6	29.6	17.9	10.0	6.9	4.9	3.9	3.4	3.7	2.6	2.5	1.9	1.6
Household type													
With and without children													
Households with children	1.7	31.7	17.7	9.7	9.6	6.7	1.6	3.0	2.4	1.7	1.9	2.0	1.2
Households without children	4.6*	29.3	17.9	10.0	6.7	4.7	4.1*	3.4	3.8	2.7	2.7	1.7	2.8*
Types of households with children													
Single-adult households	2.0	35.9	14.1	12.5	9.0	7.1	2.0	2.7	3.9	1.3	1.8	2.3	1.3
Multiple-adult households	1.4	14.8	19.3	6.7	17.9	8.3	1.8	4.1	0.5*	3.2	1.4	1.4	1.2
Children only	1.2	36.6	34.5	1.6*	2.4	3.5	0.5	2.3	0.1*	0.4	3.3	1.1	0.6
All households, by type													
With an elderly person	3.5	21.6	12.3	6.9	4.9	2.8	3.0	2.7	2.6	1.7	1.6	1.3	2.4
With a non-elderly person with a disability	5.3*	40.6*	23.9*	12.4*	8.0	6.7*	4.9*	4.5*	6.2*	3.5	3.9	3.2	1.3
With a child, without a person who was elderly or had a disability	1.6*	27.0	19.3	10.2	9.9	7.5	1.1*	2.3	2.6	1.8	1.6	1.6	1.2
Other households	5.0*	38.3*	23.9	14.6*	10.1*	7.2*	5.5*	3.8	3.9	3.3	3.3	1.9	3.8
Household size													
1	4.9	29.7	17.9	10.2	6.6	4.8	4.1	3.5	3.9	2.8	2.9	2.2	3.3
2	2.3*	29.0	15.9	9.9	8.5	4.9	1.8*	1.8	1.6*	1.1*	1.7	1.8	1.7*
3	1.5*	19.3	19.5	4.2*	6.8	9.6	1.9	2.5	3.1	2.0	1.4	1.7	1.1*
4+	1.6*	48.9	26.4	9.6	19.0	3.9	3.0	7.0	5.9	3.8	2.4	0.8	1.2*
Race and ethnicity of household head													
White, non-Hispanic	4.5	26.7	18.6	12.7	7.6	4.5	5.2	4.2	4.5	3.3	2.4	2.4	1.8
Black, non-Hispanic	3.4*	36.9	21.5	9.6	5.6	5.4	3.9	3.3	3.9	2.5	2.8	1.6	1.3

Household Characteristic	Percentage of Households with No Supermarket/Super store Redemption												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Hispanic	2.5*	28.9	11.7	5.4*	7.6	3.1	1.9*	2.6	3.0	1.7	2.0	2.0	0.8*
Asian, non-Hispanic	2.2*	30.8	34.8	8.1	6.5	0.7*	1.1*	0.4*	1.1*	2.0	1.3	1.8	2.7
Native American, non-Hispanic	4.4	39.8	6.1*	6.1	1.2*	3.1	5.1	4.4	1.4*	4.1	3.7	2.8	4.6*
Other ^a	3.1*	25.8	15.1	8.6	7.1	7.8	2.8*	2.8	3.0	1.7	2.9	0.9	1.9
Employment Status													
Households with earnings	2.0	19.8	20.9	9.3	9.5	5.6	2.3	3.1	2.4	2.0	0.8	1.3	0.8
Households without earnings	4.2*	32.2*	17.3	10.1	6.5	4.7	4.2*	3.4	4.0*	2.7	2.9*	2.1	2.2*
Receipt of TANF													
Yes	1.8	81.2	10.9	3.9	23.1	3.1	0.1	2.4	0.1	1.7	2.1	5.1	1.0
No	3.7*	29.4*	17.9	10.1	6.8	4.9	4.0*	3.4	3.7*	2.6	2.5	1.7	1.7
SNAP benefit ^b													
\$20 or less	13.1	20.9	13.1	5.8	2.7	2.3	4.7	1.5	0.0	0.0	12.6	0.0	0.0
\$21-100	7.8	33.5	11.1	8.1	6.3	3.0	1.6	2.0	0.0	0.9	0.0	0.0	0.0
\$101-200	4.3*	41.7	3.5	5.2	5.7	3.3	2.4	1.6	1.1	0.0	0.0	0.0	2.0
\$201-300	4.2*	32.2	23.5	10.8	6.2	4.5	3.9	3.2	2.5*	2.1*	2.1	1.7	2.0
\$301-400	4.9*	40.7*	29.9	15.1*	8.6	7.3	5.0	4.2	4.7*	3.1*	3.4	2.3	3.9
\$401-500	2.0*	26.0	22.3	9.7	18.5	2.3	1.2	1.7	1.5	0.9*	1.3	1.8	1.1
\$501 or more	1.6*	35.5	26.1	8.6	10.9	9.2	0.9	4.1	3.4	2.9*	2.0	1.7	1.4
Minimum benefit	13.1	20.9	13.1	5.8	2.7	2.3	4.7	1.5	0.0	0.0	12.6	0.0	0.0
Maximum benefit	3.4*	34.0*	24.3*	12.0*	7.3*	5.3	4.0	3.5	3.8*	2.6*	2.4	1.9*	1.6*
Months in certification period													
≤ 6 months	3.5	31.9	19.5	13.0	11.9	5.3	4.8	3.5	4.2	2.7	2.5	1.7	1.3
7-12 months	3.4	29.7	15.9	9.3	6.6	5.1	3.9	3.7	3.8	2.8	2.7	1.9	1.6
> 12 months	4.0	28.1	19.9	9.8	5.6*	4.5	3.7	3.2	3.5	2.2	2.1	1.9	2.0

Household Characteristic	Percentage of Households with No Supermarket/Super store Redemption												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Geographic location													
Region ^c													
Northeast	5.6	48.1	33.9	20.6	4.2	8.2	5.7	5.7	7.7	3.0	2.8	5.1	3.0
Mid-Atlantic	3.7*	41.2	23.4	11.5	9.0	4.2	5.0	4.2	3.6*	4.9	1.0	1.7	1.5
Midwest	3.6*	28.3	15.0	7.5*	7.3	3.0	4.2	2.4*	1.5*	1.5	2.0	1.2	0.9*
Southeast	3.4*	35.8	20.4	11.4	4.4	4.7	3.3	4.1	3.6*	2.3	3.0	2.3	1.4
Southwest	3.2*	26.0	19.2	9.7	8.3	8.0	3.3	2.2*	2.4*	1.7	2.6	0.5*	1.9
Mountain Plains	4.6	33.0	12.1	8.9	10.8	4.6	4.1	4.1	3.0*	2.8	2.7	3.1	1.7
West	2.5*	15.3	21.8	9.5	5.7	5.2	2.9	2.6	3.1*	2.4	2.6	1.0*	1.4
Metro/ Nonmetro areas ^d													
Metropolitan	3.4	30.2	17.7	9.3	6.9	4.4	3.7	3.2	3.7	2.5	2.2	1.8	1.6
Nonmetro, micropolitan	4.0	24.2	16.8	13.3	7.3	8.9	4.9	3.7	3.2	3.4	3.0	2.3	1.6
Nonmetro, noncore	4.2	29.0	20.3	10.7	5.3	5.4	5.9	3.4	3.4	1.7	2.8	2.6	1.9
County with persistent poverty ^d													
Yes	4.1	39.0	20.5	8.2	11.3	7.0	4.3	3.5	4.5	3.0	1.5	3.2	2.2
No	3.5	28.6	17.6	10.0	6.3	4.7	3.9	3.3	3.6	2.5	2.4	1.7	1.5

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month. See Table A.25 for sample sizes.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.15. EBT Transactions and Redemption at Out-of-State Retailers, excluding Online Retail Transactions: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average Monthly Out-of-State EBT Redemption		Households With Any Out-of-State Transactions	
	Percentage of Transactions	Percentage of Redemption	Percentage of All Households	Average Percentage of Dollars Redeemed Out-of-State
All households	2.4	2.8	7.5	25.5
Household type				
With and without children				
Households with children	2.4	2.8	9.9	20.8
Households without children	2.4	2.8	6.3*	35.8*
Types of households with children				
Single-adult households	2.6	3.1	10.8	20.0
Multiple-adult households	2.3	2.7	9.4	22.1
Children only	1.3*	1.3*	4.2*	22.9
All households, by type				
With an elderly person	1.7	2.2	4.5	37.2
With a non-elderly person with a disability	2.5*	3.0*	7.8*	26.5*
With a child, without a person who was elderly or had a disability	2.4*	2.8*	9.8*	20.7*
Other households	3.2*	3.6*	8.6*	33.8
Household size				
1	2.5	2.9	6.3	36.0
2	2.3	2.8	8.3*	25.3*
3	2.4	2.8	9.9*	21.3*
4+	2.3	2.7	10.1*	19.9*
Race and ethnicity of household head				
White, non-Hispanic	2.1	2.5	6.9	23.2
Black, non-Hispanic	3.4*	4.1*	10.9*	25.7
Hispanic	2.0	2.4	5.5*	31.5*
Asian, non-Hispanic	1.5	2.1	5.2	27.4
Native American, non-Hispanic	3.2	4.6*	11.4*	27.1
Other ^a	1.9	2.1	5.9*	25.5
Employment Status				
Households with earnings	2.0	2.4	8.3	20.5
Households without earnings	2.6*	3.0*	7.3*	28.4*
Receipt of TANF				
Yes	2.6	3.3	10.3	26.7
No	2.4	2.8	7.5*	25.4

Household Characteristic	Average Monthly Out-of-State EBT Redemption		Households With Any Out-of-State Transactions	
	Percentage of Transactions	Percentage of Redemption	Percentage of All Households	Average Percentage of Dollars Redeemed Out-of-State
SNAP benefit ^b				
\$20 or less	1.6	1.8	3.7	24.5
\$21-100	1.3	1.2	3.1	32.9
\$101-200	1.8	2.1	4.3	36.5
\$201-300	2.1	2.3	5.5	34.5
\$301-400	3.0*	3.5*	7.8*	36.2
\$401-500	2.2	2.8	7.7*	27.9
\$501 or more	2.4	2.8	10.2*	20.7
Minimum benefit	1.6	1.8	3.8	24.5
Maximum benefit	2.5	2.9*	7.9*	25.5
Months in certification period				
≤ 6 months	2.2	2.3	7.8	21.8
7-12 months	2.5	3.0*	8.4	24.7
> 12 months	2.3	2.8	6.0*	32.3*
Geographic location				
Region ^c				
Northeast	3.1	4.4	10.3	32.5
Mid-Atlantic	4.1	4.9	12.8*	26.9
Midwest	2.5	2.6*	7.3*	21.7*
Southeast	2.4	2.7*	7.9*	23.8*
Southwest	1.8*	2.1*	5.6*	25.3*
Mountain Plains	2.3	2.9*	7.2*	25.9*
West	1.3*	1.4*	3.9*	24.6*
Metro/ Nonmetro areas ^d				
Metropolitan	2.3	2.7	7.1	25.7
Nonmetro, micropolitan	2.4	2.6	8.0	22.3*
Nonmetro, noncore	3.0*	4.4*	11.1*	26.3
County with persistent poverty ^d				
Yes	2.9	3.7	9.8	27.4
No	2.3*	2.7*	7.2*	25.1

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month. See Table A.25 for sample sizes.

Note: Table shows the percentage of transactions and redemption by in-State households at out-of-State retailers. Households may cross State boundaries when redeeming benefits.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

*Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.16. Average Percentage of Benefit Issuance Redeemed by Days Since Issuance: FY 2022 Matched QC-ALERT Sample

Household Characteristic	Cumulative Percentage of Benefit Issuance Redeemed by			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
All households	60.9	83.6	93.6	99.0
Household type				
With and without children				
Households with children	62.2	84.6	94.2	99.2
Households without children	59.3*	82.4*	92.7*	98.7*
Types of households with children				
Single-adult households	62.7	84.6	93.9	99.1
Multiple-adult households	61.2	84.4	94.6	99.4
Children only	63.8	86.0	95.3*	99.3
All households, by type				
With an elderly person	55.4	79.9	91.5	98.5
With a non-elderly person with a disability	64.8*	85.9*	94.7*	99.3*
With a child, without a person who was elderly or had a disability	61.6*	84.3*	94.1*	99.2*
Other households	62.1*	84.2*	93.6*	98.8
Household size				
1	59.4	82.4	92.6	98.6
2	61.0*	83.7*	93.6*	99.1*
3	61.7*	83.9*	93.8*	99.3*
4+	62.5*	85.1*	94.6*	99.3*
Race and ethnicity of household head				
White, non-Hispanic	59.2	82.3	92.8	98.9
Black, non-Hispanic	65.0*	86.3*	94.8*	99.2
Hispanic	60.2	83.6	93.8	98.9
Asian, non-Hispanic	56.2*	82.2	94.7	99.5*
Native American, non-Hispanic	63.6*	84.6	94.3	99.2
Other ^d	60.0	82.7	92.8	99.0
Employment Status				
Households with earnings	60.8	83.8	93.8	99.0
Households without earnings	61.0	83.5	93.5	99.0
Receipt of TANF				
Yes	64.3	86.4	95.1	99.5
No	60.8*	83.5*	93.5*	99.0*
SNAP benefit ^e				
\$20 or less	62.8	82.7	91.7	98.5
\$21-100	61.2	81.2	90.3	96.9*
\$101-200	60.3	79.8	89.4	98.0

Household Characteristic	Cumulative Percentage of Benefit Issuance Redeemed by			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
\$201-300	58.0	81.2	91.7	98.4
\$301-400	61.0	83.8	94.0	99.0
\$401-500	59.8	83.0	93.1	99.2
\$501 or more	62.2	84.8	94.4	99.3*
Minimum benefit	62.8	82.7	91.7	98.5
Maximum benefit	61.0	83.9	93.8	99.1
Months in certification period				
≤ 6 months	61.8	83.9	93.4	98.8
7-12 months	61.3	84.0	93.8	99.1
> 12 months	59.2*	82.4*	93.1	98.9
Geographic location				
Region ^f				
Northeast	61.7	85.2	96.0	99.4
Mid-Atlantic	57.3*	80.1*	92.2*	98.8*
Midwest	61.8	83.2*	92.7*	98.7*
Southeast	63.5	86.4	95.0*	99.2
Southwest	62.8	84.5	93.9*	99.3
Mountain Plains	61.8	82.9*	92.6*	98.9*
West	57.5*	82.5*	92.8*	98.9*
Metro/ Nonmetro areas ^g				
Metropolitan	60.8	83.7	93.7	99.1
Nonmetro, micropolitan	62.9*	84.1	93.1	98.6
Nonmetro, noncore	61.6	83.2	92.9	99.0
County with persistent poverty ^g				
Yes	64.5	85.9	95.4	99.3
No	60.6*	83.5*	93.4*	99.0*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

^d Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^e Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^f Regions are defined using FNS region as of FY2022.

^g Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.16a. Percentage of Households Reaching Benefit Balance of Less Than \$1 From Time of Issuance, By Household Characteristic (%)

Household Characteristic	Cumulative Percentage of Households Reaching Benefit Balance of Less Than \$1				Complete Benefit Exhaustion	
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Percentage of Households	Average Day After Issuance
All households	9.1	19.7	29.9	45.1	18.4	12.8
Household type						
With and without children						
Households with children	7.0	18.0	28.6	45.4	18.2	13.9
Households without children	10.2*	20.7*	30.6*	45.0	18.5	12.2*
Types of households with children						
Single-adult households	7.7	18.4	28.5	44.3	17.3	13.6
Multiple-adult households	5.6*	16.0*	25.8	45.0	17.6	14.4*
Children only	8.5	23.7*	42.0*	54.1*	28.8*	14.2
All households, by type						
With an elderly person	8.7	17.6	27.1	42.3	18.4	12.7
With a non-elderly person with a disability	11.7*	24.3*	35.4*	50.9*	19.5	11.9*
With a child, without a person who was elderly or had a disability	6.7*	17.4	27.7	44.4	18.2	14.1*
Other households	10.6*	22.0*	32.2*	44.7	17.7	12.0*
Household size						
1	10.5	21.2	31.1	45.1	18.6	12.0
2	8.2*	19.1*	29.6	45.9	19.1	13.2*
3	6.9*	16.8*	27.5*	43.7	17.2	14.0*
4+	5.9*	16.5*	27.2*	45.5	17.7	14.6*
Race and ethnicity of household head						
White, non-Hispanic	8.2	17.8	27.6	41.5	17.3	12.9
Black, non-Hispanic	11.0*	23.1*	33.9*	48.4*	17.2	11.9*
Hispanic	10.8*	23.5*	34.3*	52.2*	25.0*	12.8
Asian, non-Hispanic	5.2*	13.4*	27.1	51.2	14.5	12.9
Native American, non-Hispanic	9.2	18.3	31.2	49.8	17.3	13.2
Other ^d	7.5	17.3	26.7	41.7	18.3	13.7*
Employment Status						
Households with earnings	7.0	17.6	27.5	45.7	17.9	13.6
Households without earnings	9.8*	20.5*	30.7*	44.9	18.6	12.5*
Receipt of TANF						
Yes	9.9	22.1	35.1	47.2	20.6	13.4
No	9.0	19.7	29.8	45.1	18.3	12.8

Household Characteristic	Cumulative Percentage of Households Reaching Benefit Balance of Less Than \$1				Complete Benefit Exhaustion	
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Percentage of Households	Average Day After Issuance
SNAP benefit ^e						
\$20 or less	28.0	40.6	47.4	58.0	40.8	9.9
\$21-100	23.9	36.6	46.9	55.2	33.2	10.6
\$101-200	14.4*	29.4*	40.8	53.5	33.7	13.7*
\$201-300	9.2*	19.0*	29.1*	43.5*	18.1*	12.6*
\$301-400	9.9*	21.3*	30.5*	43.3*	16.7*	11.7
\$401-500	7.3*	18.2*	28.3*	44.4*	17.8*	13.1*
\$501 or more	6.3*	16.4*	26.2*	42.1*	16.6*	14.0*
Minimum benefit	28.0	40.6	47.4	57.9	40.8	9.9
Maximum benefit	8.3*	18.5*	27.9*	41.4*	16.5*	12.6*
Months in certification period						
≤ 6 months	8.8	20.3	31.8	49.0	20.0	13.7
7-12 months	9.0	19.8	29.6*	43.9*	18.5	12.8*
> 12 months	9.3	19.2	29.2*	43.9*	17.3*	12.1*
Geographic location						
Region ^f						
Northeast	10.0	21.5	28.8	42.4	17.2	11.1
Mid-Atlantic	7.7*	18.1*	25.5	38.6	15.8	13.0*
Midwest	11.4	23.3	35.5*	51.2*	23.7*	13.1*
Southeast	9.4	18.5*	28.6	39.5	15.0*	11.5
Southwest	8.3*	17.7*	28.2	44.3	17.2	13.5*
Mountain Plains	9.2	20.0	31.0	45.4	20.7*	13.9*
West	6.5*	17.5*	27.2	40.1	17.7	13.7*
Metro/ Nonmetro areas ^g						
Metropolitan	9.1	19.9	30.1	45.5	18.7	12.7
Nonmetro, micropolitan	8.8	19.5	30.1	44.3	15.9*	12.9
Nonmetro, noncore	9.4	18.2	28.6	42.8	17.3	13.2
County with persistent poverty ^g						
Yes	11.2	22.5	31.5	47.6	16.7	11.7
No	8.8*	19.4*	29.8	44.9	18.5*	12.9*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

^d Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^e Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^f Regions are defined using FNS region as of FY2022.

^g Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

^{*} Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

[›] Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.17. Distribution of Households by Percentage of Benefit Issuance Redeemed in the First Week After Issuance, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Benefit Issuance Redeemed in First Week After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	>90%
All households	9.4	8.9	18.7	18.2	9.9	34.8
Household type						
With and without children						
Households with children	5.7	8.2	19.7	20.5	10.5	35.3
Households without children	11.4*	9.3*	18.1*	17.0*	9.6*	34.6
Types of households with children						
Single-adult households	5.7	8.3	18.9	20.2	10.7	36.2
Multiple-adult households	5.3	8.5	21.4*	21.0	10.1	33.7*
Children only	7.6	6.3	18.4	21.1	10.8	35.7
All households, by type						
With an elderly person	12.7	10.9	19.7	17.2	8.8	30.8
With a non-elderly person with a disability	8.9*	7.5*	16.5*	17.1	11.0*	39.0*
With a child, without a person who was elderly or had a disability	5.9*	8.2*	20.2	20.7*	10.1*	34.8*
Other households	9.8*	8.4*	16.9*	17.3	10.4*	37.1*
Household size						
1	11.7	9.3	17.6	16.9	9.7	34.9
2	8.0*	8.6	19.8*	18.9*	10.1	34.7
3	5.7*	8.8	19.8*	20.5*	9.7	35.6
4+	4.2*	8.2	21.0*	21.3*	11.0*	34.3
Race and ethnicity of household head						
White, non-Hispanic	10.5	9.0	19.1	18.7	9.7	32.9
Black, non-Hispanic	8.1*	7.6*	16.2*	18.3	11.2*	38.5*
Hispanic	9.9	8.7	19.5	17.1	9.7	35.1
Asian, non-Hispanic	12.1	14.0*	19.9	16.1	8.6	29.3*
Native American, non-Hispanic	7.0*	8.1	17.4	18.6	10.2	38.6*
Other ^a	7.9*	9.9	20.5	18.4	8.9	34.3
Employment Status						
Households with earnings	7.6	8.8	19.9	19.8	10.4	33.5
Households without earnings	10.0*	9.0	18.2*	17.7*	9.8	35.3*
Receipt of TANF						
Yes	7.5	7.0	16.3	18.8	12.1	38.4
No	9.4	9.0*	18.7*	18.2	9.9*	34.7*

Household Characteristic	Percentage of Benefit Issuance Redeemed in First Week After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	>90%
SNAP benefit ^b						
\$20 or less	21.7	3.1	8.3	11.0	7.2	48.7
\$21-100	17.5	4.6	10.7	12.9	11.2*	43.1
\$101-200	13.8*	7.0*	16.9*	18.1*	12.9*	31.3*
\$201-300	11.8*	9.9*	18.6*	17.6*	9.5	32.7*
\$301-400	9.9*	9.2*	17.5*	17.0*	9.9*	36.4*
\$401-500	7.9*	9.6*	20.6*	19.8*	9.8	32.3*
\$501 or more	5.4*	8.3*	20.3*	20.1*	10.1*	35.7*
Minimum benefit	21.6	3.1	8.3	11.1	7.2	48.7
Maximum benefit	8.9*	9.3*	18.9*	18.1*	9.6*	35.1*
Months in certification period						
≤ 6 months	7.9	8.0	18.7	19.3	10.8	35.4
7-12 months	8.9*	8.5	18.8	18.6	10.1	35.1
> 12 months	11.1*	10.2*	18.4	17.0*	9.2*	34.1
Geographic location						
Region ^c						
Northeast	10.5	9.1	18.5	16.6	8.8	36.5
Mid-Atlantic	10.0	10.3	20.7*	19.2*	10.2*	29.5*
Midwest	10.1	7.5*	17.6	19.1*	11.5*	34.3*
Southeast	8.9*	8.3	17.2	17.4	9.8	38.4
Southwest	5.2*	9.0	20.1	18.6*	9.5	37.5
Mountain Plains	8.6*	7.9	18.2	20.2*	11.3*	33.8*
West	11.2	10.6	19.2	17.7	8.6	32.7*
Metro/ Nonmetro areas ^d						
Metropolitan	9.5	9.0	18.7	18.2	9.8	34.8
Nonmetro, micropolitan	8.6	8.4	18.3	18.0	10.6	36.2
Nonmetro, noncore	8.6	8.3	18.5	18.9	10.5	35.1
County with persistent poverty ^d						
Yes	7.7	8.0	17.9	18.1	11.1	37.2
No	9.5*	9.0*	18.7	18.2	9.8*	34.7*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.18. Distribution of Households by Percentage of Benefit Issuance Redeemed in Two Weeks After Issuance, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Benefit Issuance Redeemed in Two Weeks After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	>90%
All households	1.9	2.1	7.1	12.4	9.7	66.8
Household type						
With and without children						
Households with children	1.1	1.4	5.9	13.0	10.6	68.0
Households without children	2.4*	2.4*	7.8*	12.1*	9.2*	66.1*
Types of households with children						
Single-adult households	1.1	1.5	5.8	12.6	11.0	68.0
Multiple-adult households	1.0	1.3	6.4	13.8	9.8	67.8
Children only	0.9	1.7	4.8	12.1	11.2	69.3
All households, by type						
With an elderly person	2.3	3.0	9.4	13.8	9.8	61.6
With a non-elderly person with a disability	2.1	1.6*	5.8*	10.7*	8.7*	71.0*
With a child, without a person who was elderly or had a disability	1.1*	1.4*	6.1*	13.3	10.8	67.4*
Other households	2.3	2.0*	6.5*	10.7*	8.8*	69.7*
Household size						
1	2.5	2.4	7.8	11.8	9.1	66.4
2	1.2*	2.0	6.6*	13.0*	10.2*	66.9
3	1.1*	1.7*	6.2*	13.6*	11.0*	66.5
4+	0.9*	0.9*	5.7*	13.4*	10.5*	68.5*
Race and ethnicity of household head						
White, non-Hispanic	2.3	2.3	7.6	13.3	9.5	65.0
Black, non-Hispanic	1.6*	1.7*	5.6*	10.2*	9.7	71.3*
Hispanic	1.8	1.9	7.1	12.3	10.0	66.8
Asian, non-Hispanic	2.0	3.5	8.7	12.0	7.4*	66.5
Native American, non-Hispanic	1.2*	2.5	5.2*	11.7	12.2	67.2
Other ^a	1.7	1.9	8.2	14.1	10.2	64.0
Employment Status						
Households with earnings	1.7	1.7	6.5	13.0	10.4	66.8
Households without earnings	2.0	2.2*	7.4*	12.2	9.5*	66.8
Receipt of TANF						
Yes	1.2	1.1	5.0	10.4	9.6	72.8
No	1.9*	2.1*	7.2*	12.5	9.7	66.6*

Household Characteristic	Percentage of Benefit Issuance Redeemed in Two Weeks After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	>90%
SNAP benefit ^b						
\$20 or less	8.0	0.7	4.7	8.1	7.5	71.0
\$21-100	5.1	2.5*	6.6	9.6	10.4	65.7
\$101-200	4.7	2.5*	7.9	14.2*	13.1*	57.6*
\$201-300	2.3*	2.5*	8.5*	13.4*	9.7	63.6*
\$301-400	2.0*	2.3*	7.1	10.5	8.2	69.9
\$401-500	1.3*	2.4*	6.9	13.3*	10.7*	65.5
\$501 or more	0.9*	1.3*	6.0	12.9*	10.3*	68.6
Minimum benefit	8.0	0.7	4.7	8.1	7.5	71.0
Maximum benefit	1.7*	2.0*	7.2*	12.1*	9.2	67.7
Months in certification period						
≤ 6 months	2.0	1.7	6.3	12.8	10.4	66.7
7-12 months	1.8	1.8	6.8	12.4	9.7	67.5
> 12 months	2.1	2.6*	8.2*	12.2	9.2*	65.7
Geographic location						
Region ^c						
Northeast	1.9	1.9	6.7	11.0	8.3	70.2
Mid-Atlantic	1.6	2.9*	9.3*	15.4*	12.1*	58.7*
Midwest	2.7*	1.9	6.6	12.8*	11.4*	64.6*
Southeast	1.6	1.9	6.0	10.1	7.7	72.7*
Southwest	1.1*	1.5	7.3	13.0*	10.5*	66.5*
Mountain Plains	1.9	1.6	7.5	14.4*	11.6*	63.0*
West	2.1	2.5	7.6	12.2	7.6	68.0
Metro/ Nonmetro areas ^d						
Metropolitan	1.9	2.0	7.1	12.4	9.6	67.0
Nonmetro, micropolitan	1.8	2.2	7.2	11.5	9.4	68.0
Nonmetro, noncore	1.5	2.3	7.7	12.7	10.5	65.3
County with persistent poverty ^d						
Yes	1.5	1.7	6.3	11.4	10.7	68.4
No	1.9*	2.1	7.2*	12.4*	9.5*	66.8*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance and issuance periods of less than 14 days in length. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.19. Average Dollar Amount of Benefit Issuance Carried Over to the Next Issuance Period, for Households Grouped by Issuance Amount, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average Dollar Amount of Unspent Issuance												
	All Households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
All households	35.27	0.68	2.43	5.25	10.99	24.66	40.27	29.82	35.08	65.44	76.58	70.39	108.76
Household type													
With and without children													
Households with children	53.25	0.59	0.70	2.80	4.19	11.53	23.17	20.64	31.85	54.46	62.24	69.11	107.67
Households without children	25.47*	0.69	2.57*	6.26*	13.38*	27.82*	41.67*	36.59*	35.86	96.14*	106.91*	73.24	125.55
Types of households with children													
Single-adult households	49.08	0.65	0.58	3.16	4.47	12.24	20.87	22.95	30.72	55.77	63.50	68.89	100.02
Multiple-adult households	64.76*	0.56	1.13	2.01*	3.57	10.72	22.04	19.20	37.99	48.70	64.86	66.46	120.32*
Children only	31.25*	0.00*	0.00*	2.67	4.40	10.00	30.25	2.31*	20.19	76.66	29.93*	82.26	74.66
All households, by type													
With an elderly person	28.45	0.66	2.34	6.99	13.79	29.52	46.04	39.43	46.34	106.46	96.70	77.45	130.24
With a non-elderly person with a disability	26.56	0.70	2.99	5.21*	10.55*	24.57*	32.30*	21.98*	37.77	45.72*	65.63*	51.40*	89.68*
With a child, without a person who was elderly or had a disability	54.53*	0.72	0.63*	2.73*	4.45*	10.52*	22.51*	21.40*	31.08*	56.73*	64.52*	71.09	110.58
Other households	26.29	0.82	1.50	5.79*	12.38	21.56*	41.26*	45.36	28.39*	94.16	149.66	81.76	121.70
Household size													
1	23.73	0.71	2.63	6.49	14.46	28.53	42.07	35.63	34.33	91.23	136.90	136.81	254.93
2	37.67*	0.48	1.15*	3.31*	5.71*	19.12*	25.73*	37.34	44.61*	82.24	87.77	69.60*	75.10*
3	51.80*	2.76	1.43	2.94*	2.99*	8.23*	21.03*	14.73*	37.97	58.02*	61.83*	68.13*	99.46*
4+	68.11*	1.65	0.16*	1.56*	4.27*	7.64*	10.02*	14.88*	23.42*	29.70*	45.10*	53.08*	117.54*

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Average Dollar Amount of Unspent Issuance												
	All Households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Race and ethnicity of household head													
White, non-Hispanic	35.96	0.61	2.42	5.48	12.16	26.18	45.44	31.70	39.25	60.39	75.08	71.12	112.56
Black, non-Hispanic	28.86*	0.82	2.81	4.93	9.93	24.00	34.01*	26.12	26.62*	42.44	73.98	60.63	89.07*
Hispanic	33.43	0.41	1.02*	5.02	6.55*	18.73	35.08*	31.40	30.69	65.02	81.53	65.78	111.04
Asian, non-Hispanic	45.79*	0.09*	4.83	5.69	11.41	27.06	55.14	47.24	63.70*	104.77	91.10	96.53	149.89
Native American, non-Hispanic	34.33	0.23	0.79*	4.19	18.75	14.46*	40.35	11.03	24.29*	52.87	120.16	71.57	77.45*
Other ^a	42.83*	1.07	2.52	5.39	13.40	26.64	39.06*	24.82	32.96	86.66	71.06	78.18	122.30
Employment Status													
Households with earnings	46.16	0.65	1.33	4.21	7.58	15.22	37.76	27.46	37.38	59.40	70.32	71.46	105.52
Households without earnings	31.58*	0.69	2.59*	5.50*	11.96*	26.97*	40.78	31.08	34.33	71.13	82.50	69.79	111.56
Receipt of TANF													
Yes	48.75	0.29	3.86	2.14	4.79	25.90	26.91	27.09	35.07	62.06	50.42	80.89	104.50
No	34.90*	0.68	2.43*	5.34*	11.17*	24.64	40.38	29.92	35.08	65.70	77.67*	69.90	109.07
SNAP benefit ^b													
\$20 or less	3.36	0.68	1.61	3.37	1.99	2.06	32.74	0.00	0.94	191.85	72.73	32.46	22.85
\$21-100	5.06	1.17	1.81	3.87	5.60	13.73	19.60	0.46	43.22	4.62*	34.98*	1.38	70.72
\$101-200	7.21*	0.19*	5.58*	2.49	4.33	8.08*	9.27*	17.62	60.92	20.74*	0.20*	27.29	30.69
\$201-300	22.18*	0.71	2.99	7.55*	18.08*	31.51*	32.66	29.82*	30.77*	53.99*	64.53	122.10*	157.15*
\$301-400	28.17*	0.13*	2.45	6.13*	9.77*	31.84*	52.20*	37.38*	33.05*	17.53*	117.13	57.54	174.20*
\$401-500	36.21*	0.55	0.96	3.27	6.82*	21.99*	25.27	44.18*	53.41*	92.93*	83.80	45.55	85.35*
\$501 or more	60.58*	1.14	0.77	2.69	3.39	7.91*	20.54	17.29*	32.47*	50.12*	69.67	88.73*	107.99*
Minimum benefit	3.36	0.68	1.61	3.37	1.99	2.06	32.74	0.00	0.94	191.85	72.73	32.46	22.85
Maximum benefit	38.68*	0.68	2.65	5.31*	12.54*	27.24*	41.68	31.35*	35.95*	71.75*	82.63*	73.75*	115.79*

Household Characteristic	Average Dollar Amount of Unspent Issuance												
	All Households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Months in certification period													
≤ 6 months	39.13	0.97	1.85	3.62	5.77	14.85	31.60	24.92	31.03	52.72	74.88	64.28	111.99
7-12 months	38.07	0.51	1.70	4.84*	8.85*	19.16	39.17*	30.23	33.01	63.33	72.30	74.27	107.26
> 12 months	28.63*	0.81	3.15	6.54*	14.43*	31.57*	44.77*	31.23	40.77*	83.46	91.60	66.12	109.52
Geographic location													
Region ^c													
Northeast	34.76	0.23	1.16	6.40	10.23	23.34	44.27	34.90	39.84	85.25	77.68	71.80	116.22
Mid-Atlantic	31.34	0.53	2.46	4.17*	14.53	26.62	36.91*	19.36*	31.30	45.94*	72.02	57.62	88.08*
Midwest	23.28*	0.62*	1.67	5.00*	7.20	17.54	25.31*	24.42	30.68	33.18*	58.94	47.21*	79.17*
Southeast	39.43*	0.67*	2.71	5.82	12.19	28.76	43.01	37.10	40.17	57.81	83.78	78.30	117.58
Southwest	42.56*	0.93*	3.05*	6.10	13.95	27.97	36.34*	28.16	30.08	79.82	94.44	63.34	107.38
Mountain Plains	28.84*	1.24*	3.07*	3.96*	9.72	19.95	35.49*	20.51	35.83	45.61*	46.81	68.11	84.79*
West	45.93*	0.91	3.45	4.15*	11.72	28.14	55.87*	34.28	35.86	91.28	77.39	105.82*	165.49*
Metro/ Nonmetro areas ^d													
Metropolitan	35.47	0.69	2.49	5.18	11.11	24.60	40.73	29.88	35.17	67.61	74.08	69.95	112.24
Nonmetro, micropolitan	37.45	0.72	2.45	5.42	10.35	24.36	41.84	31.00	41.58	57.65	80.68	69.18	105.32
Nonmetro, noncore	31.44*	0.49	2.49	5.79	9.17	24.60	31.44*	28.54	30.70	57.98	99.57	76.58	76.85*
County with persistent poverty ^d													
Yes	32.59	0.66	1.62	5.55	10.88	22.18	32.78	21.01	37.77	41.56	91.97	66.49	101.13
No	35.77*	0.68	2.61*	5.19	10.89	24.85	41.30*	30.92*	35.34	68.68*	74.85	70.77	109.91

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Unspent issuance is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.20. Distribution of Households by Amount of Issuance Carried Over to the Next Issuance Period, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Dollar Amount of Unspent Issuance (Percentage of Households)				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50
All households	58.6	13.0	4.8	5.2	18.3
Household type					
With and without children					
Households with children	60.1	11.6	3.6	3.9	20.7
Households without children	57.8*	13.8*	5.5*	6.0*	16.9*
Types of households with children					
Single-adult households	59.7	12.1	3.9	3.9	20.4
Multiple-adult households	59.6	10.8*	3.2*	3.8	22.7*
Children only	66.2*	11.9	3.9	3.9	14.1*
All households, by type					
With an elderly person	56.8	12.0	5.9	6.5	18.8
With a non-elderly person with a disability	60.5*	14.8*	4.8*	5.1*	14.9*
With a child, without a person who was elderly or had a disability	60.0*	11.5	3.7*	3.8*	21.0*
Other households	57.7	15.1*	5.0*	5.5*	16.7*
Household size					
1	57.8	14.1	5.6	6.1	16.3
2	59.6*	11.6*	4.5*	4.7*	19.7*
3	59.3	11.8*	3.4*	4.1*	21.5*
4+	60.6*	11.2*	3.1*	3.1*	22.1*
Race and ethnicity of household head					
White, non-Hispanic	57.5	12.5	5.2	5.4	19.4
Black, non-Hispanic	59.8*	15.2*	4.7	4.8*	15.5*
Hispanic	61.1*	12.9	4.6	5.3	16.1*
Asian, non-Hispanic	55.3	7.7*	5.1	6.5	25.4*
Native American, non-Hispanic	58.8	16.3*	3.8	3.6*	17.5
Other ^a	58.0	12.0	4.6	5.2	20.2
Employment Status					
Households with earnings	59.4	11.8	4.1	4.4	20.3
Households without earnings	58.4*	13.5*	5.1*	5.5*	17.6*
Receipt of TANF					
Yes	59.9	12.9	3.2	4.1	20.0
No	58.6	13.0	4.9*	5.3	18.2

Household Characteristic	Dollar Amount of Unspent Issuance (Percentage of Households)				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50
SNAP benefit ^b					
\$20 or less	76.8	17.6	2.8	0.6	2.1
\$21-100	71.0	18.2	5.0	3.7*	2.1
\$101-200	65.0*	20.0	6.1*	4.7*	4.3
\$201-300	57.3*	14.3	6.0*	6.3*	16.0*
\$301-400	56.8*	13.0	5.2*	6.2*	18.8*
\$401-500	58.9*	11.7*	4.6	4.9*	19.8*
\$501 or more	59.0*	10.8*	3.4	3.9*	22.9*
Minimum benefit	76.8	17.7	2.8	0.6	2.1
Maximum benefit	57.4*	12.2*	4.9*	5.5*	20.0*
Months in certification period					
≤ 6 months	61.5	13.9	3.7	3.8	17.2
7-12 months	58.6*	13.1	4.8*	5.0*	18.5*
> 12 months	57.1*	12.5*	5.6*	6.4*	18.5*
Geographic location					
Region ^c					
Northeast	57.5	10.7	4.9	6.5	20.4
Mid-Atlantic	58.0	13.6*	5.4	5.6	17.3*
Midwest	62.7*	16.5*	4.7	4.3*	11.8*
Southeast	56.5	11.9	5.2	5.7	20.8
Southwest	58.3	12.6*	4.3	5.0*	19.8
Mountain Plains	59.8*	16.8*	5.0	4.2*	14.2*
West	56.5	10.2	4.8	5.3	23.1*
Metro/ Nonmetro areas ^d					
Metropolitan	58.7	12.7	4.8	5.3	18.3
Nonmetro, micropolitan	57.3*	13.7	4.9	4.8	19.4
Nonmetro, noncore	59.6	14.9*	4.8	4.7	16.1*
County with persistent poverty ^d					
Yes	58.5	14.4	4.5	5.5	17.1
No	58.7	12.8*	4.9	5.2	18.5*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Unspent issuance is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.21. Average EBT Balance at the End of the Issuance Period, for Households Grouped by Issuance Amount, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average Ending Balance (\$)												
	All households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
All households	180.24	178.08	120.03	141.68	120.58	155.71	164.25	168.79	150.69	277.18	300.25	244.77	336.22
Household type													
With and without children													
Households with children	247.39	149.22	121.84	186.96	136.96	209.13	208.57	185.10	195.03	254.03	306.28	232.41	341.24
Households without children	143.63*	180.09	119.88	123.00*	114.81	142.86*	160.62*	156.77	139.98*	341.85	287.49	272.28	258.58*
Types of households with children													
Single-adult households	214.07	130.55	93.50	161.42	107.29	197.70	298.63	151.74	173.34	214.89	263.96	203.25	292.51
Multiple-adult households	326.01*	167.81	178.43	272.17*	216.57	242.29	160.42*	234.60	261.42	331.39	407.42	346.39*	411.47*
Children only	138.61*	296.81	446.26	82.78*	69.37	140.05	80.72*	160.94	109.68	226.35	197.33	225.10	236.82
All households, by type													
With an elderly person	195.51	212.54	156.94	169.25	132.78	174.28	222.21	185.36	218.85	358.15	359.80	341.60	382.06
With a non-elderly person with a disability	135.17*	113.04*	71.07*	104.25*	88.48*	123.61*	148.08*	124.76	125.44*	185.05	228.06	214.25	259.61*
With a child, without a person who was elderly or had a disability	253.38*	165.21	122.94	198.17	147.85	196.90	174.41*	193.73	212.11	298.57	312.98	228.48*	351.54
Other households	94.98*	91.01*	48.73*	84.19*	90.34	88.35*	107.68*	140.95	95.79*	158.45*	258.17	183.86*	217.89*
Household size													
1	134.09	174.93	119.32	117.82	112.74	143.30	158.48	147.02	134.78	268.92	256.57	247.83	416.62
2	171.26*	179.70	114.73	128.92	105.82	161.17	177.43	156.48	157.03	217.02	231.77	214.59	204.70*
3	232.51*	602.88	178.81	219.26*	129.82	193.89	270.62	148.36	135.44	189.71	300.32	223.52	287.62*
4+	345.52*	201.77	128.10	271.58*	208.22	249.27*	281.13	272.89*	306.24*	509.02	502.03	504.92*	393.90

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Average Ending Balance (\$)												
	All households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Race and ethnicity of household head													
White, non-Hispanic	216.68	229.29	156.56	170.93	164.16	199.24	219.33	172.44	196.76	303.16	330.05	268.44	369.67
Black, non-Hispanic	118.76*	109.62*	84.79	97.50*	59.78*	105.31*	105.67*	143.35	102.35*	190.60	224.46	164.34*	236.14*
Hispanic	130.10*	88.24*	63.15*	111.26*	55.16*	118.18*	112.98*	163.25	111.89*	151.28*	198.03	201.13	283.29*
Asian, non-Hispanic	272.45	340.10	104.43	196.79	139.83	188.42	191.39	280.47	201.71	567.86	535.26	432.42	670.13
Native American, non-Hispanic	145.77	492.33	61.26	92.49*	115.46	90.63*	191.27	31.78*	130.77	164.58	198.22	141.68	158.68*
Other ^a	215.03	138.82*	113.89	162.51	161.31	152.40	160.17*	167.92	131.86*	316.68	399.09	290.68	414.41
Employment Status													
Households with earnings	239.22	149.32	111.12	185.11	160.84	172.11	150.55	202.01	190.26	294.76	315.54	299.02	389.19
Households without earnings	160.24*	185.19	121.36	131.33*	109.12*	151.70	167.00	151.00	137.90*	260.66	285.78	214.53*	290.41*
Receipt of TANF													
Yes	189.62	1.80	4.66	95.57	64.23	301.22	379.01	141.72	186.37	110.67	466.41	244.75	235.25
No	179.99	178.20*	120.07*	142.94*	122.27*	153.49	162.60	169.79	150.08	289.77*	293.31	244.77	343.68*
SNAP benefit ^b													
\$20 or less	59.08	66.90	13.00	11.09	2.49	4.14	151.31	0.27	1.43	205.16	72.93	34.35	31.15
\$21-100	50.58	35.37	44.01	58.76*	47.02*	67.91	111.26	2.90	46.02	4.65*	144.09	87.22	82.32
\$101-200	61.96	1.16*	6.57	8.08	63.48*	53.84*	42.11*	165.99	272.47	345.02	0.86*	268.20	235.94
\$201-300	149.04*	206.14*	152.94*	136.65*	130.42*	154.89*	160.01	134.66*	141.94*	355.23	162.36	204.39*	318.48*
\$301-400	127.32*	53.29	189.98	111.74*	70.83*	150.62*	157.49	128.87*	127.97*	82.62*	223.37	97.92	292.50*
\$401-500	191.34*	216.32*	149.90*	169.57*	128.36*	175.37*	185.57	173.20*	168.71*	250.91	234.82*	212.65*	227.78*
\$501 or more	279.11*	237.44	148.81	195.46*	160.37*	238.61*	291.44*	222.90*	264.02*	331.71	360.77*	277.74*	340.38*
Minimum benefit	59.11	66.94	13.00	11.09	2.49	4.14	151.31	0.27	1.43	205.16	72.93	34.35	31.15
Maximum benefit	194.97*	203.94*	154.30*	144.86*	135.40*	171.48*	169.17	172.25*	153.47*	297.36*	321.78*	252.57*	357.07

Household Characteristic	Average Ending Balance (\$)												
	All households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Months in certification period													
≤ 6 months	188.30	77.55	36.56	168.87	135.18	146.94	113.46	158.14	140.28	280.87	381.71	245.92	363.31
7-12 months	179.93	184.14*	108.86*	127.17	114.59	147.61	145.63*	183.59	132.46	293.51	279.33	238.74	331.77
> 12 months	176.80	186.59*	140.00*	151.71	122.76	164.04	204.41*	155.23	187.18	227.52	278.90	262.69	287.97
Geographic location													
Region ^c													
Northeast	185.35	158.27	134.51	150.14	109.21	178.52	177.05	145.45	158.84	305.34	288.65	240.73	358.36
Mid-Atlantic	201.61	295.92	152.88	173.49	156.34	186.54	200.44	199.57	149.16	242.24	388.86	220.41	321.27
Midwest	119.38*	123.34	76.69	116.26	88.72	103.97	104.47*	164.37	139.69	184.87	189.84	163.26	245.10
Southeast	213.45	229.62	173.30	138.23	136.56	204.75	185.18	192.41	179.37	414.77	252.40	268.91	374.17
Southwest	222.95	112.67	126.82	139.02	186.98	166.41	158.82	178.69	143.79	368.10	518.57	303.03	375.90
Mountain Plains	138.17*	129.99	127.31	127.47	101.85	112.68	144.41	92.69	180.82	112.51*	215.66	180.78	259.56
West	186.72	172.20	101.77	143.13	90.96	142.19	181.57	149.77	133.77	215.99	239.00	303.97	399.64
Metro/ Nonmetro areas ^d													
Metropolitan	180.07	173.60	112.00	143.83	117.28	150.82	159.18	166.32	151.44	277.12	296.94	244.66	350.50
Nonmetro, micropolitan	187.34	226.38	77.41	131.34	151.59	147.15	202.56*	185.46	178.23	362.93	284.81	213.07	287.38*
Nonmetro, noncore	191.24	178.03	224.82	141.80	110.25	257.46	181.38	172.69	138.86	175.72	371.44	305.39	263.84*
County with persistent poverty ^d													
Yes	159.40	114.15	90.58	132.16	88.65	131.39	128.82	173.50	141.28	258.97	357.83	239.78	308.88
No	184.19*	186.49*	121.21	143.96	124.55	159.71	169.79*	168.18	154.22	282.80	294.06	246.21	340.66

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.22. Distribution of Households by EBT Balance at the End of the Issuance Period, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Ending Balance (Percentage of Households)				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50
All households	24.9	25.7	6.9	6.0	36.5
Household type					
With and without children					
Households with children	24.8	25.5	5.8	5.2	38.7
Households without children	25.0	25.8	7.5*	6.4*	35.4*
Types of households with children					
Single-adult households	24.2	27.0	6.0	5.3	37.6
Multiple-adult households	23.7	23.6*	5.5	4.9	42.3*
Children only	35.7*	22.9	5.6	5.9	29.9*
All households, by type					
With an elderly person	23.2	20.9	7.6	6.7	41.5
With a non-elderly person with a disability	28.0*	29.1*	6.8	5.7*	30.3*
With a child, without a person who was elderly or had a disability	24.4	25.1*	5.8*	5.2*	39.5*
Other households	25.4*	30.6*	7.5	6.0	30.5*
Household size					
1	25.2	26.2	7.5	6.5	34.5
2	25.3	24.6*	6.4*	5.7*	38.0*
3	23.5	26.5	6.0*	5.3*	38.8*
4+	24.5	24.1*	5.5*	4.4*	41.5*
Race and ethnicity of household head					
White, non-Hispanic	22.9	24.3	7.2	6.0	39.6
Black, non-Hispanic	26.2*	30.7*	6.9	5.8	30.5*
Hispanic	31.5*	24.3	6.2	5.8	32.1*
Asian, non-Hispanic	17.8*	16.4*	8.1	7.3	50.3*
Native American, non-Hispanic	25.9	31.8*	7.2	4.9	30.3*
Other ^a	23.7	23.9	6.5	6.0	39.9
Employment Status					
Households with earnings	24.1	24.6	6.1	5.5	39.7
Households without earnings	25.2*	26.1*	7.1*	6.1*	35.5*
Receipt of TANF					
Yes	28.5	29.1	4.6	5.9	32.0
No	24.8	25.6*	6.9*	6.0	36.7*

Household Characteristic	Ending Balance (Percentage of Households)				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50
SNAP benefit ^b					
\$20 or less	48.4	32.4	6.4	2.3	10.5
\$21-100	44.2	32.7	6.9	5.0*	11.2
\$101-200	42.1	31.5	7.9	4.8*	13.7
\$201-300	24.2*	25.8	7.5	6.6*	35.8*
\$301-400	23.7*	26.0	7.3	6.7*	36.4*
\$401-500	24.2*	23.8*	6.7	5.7*	39.6*
\$501 or more	22.7*	24.5*	5.8	5.1*	41.9*
Minimum benefit	48.4	32.4	6.4	2.3	10.5
Maximum benefit	22.7*	24.7*	6.9	6.2*	39.5*
Months in certification period					
≤ 6 months	27.6	28.4	6.1	4.9	32.9
7-12 months	25.0*	26.4*	6.9	6.0*	35.8*
> 12 months	23.3*	23.0*	7.3*	6.5*	39.9*
Geographic location					
Region ^c					
Northeast	23.3	21.9	6.6	6.5	41.7
Mid-Atlantic	22.6	26.3*	7.5	6.3	37.3*
Midwest	31.9*	30.3*	6.9	5.4*	25.4*
Southeast	21.0*	24.6*	7.2	6.2	40.9
Southwest	23.5	25.8*	6.5	5.5	38.8
Mountain Plains	28.6*	31.5*	7.2	5.4*	27.3*
West	22.5	21.3	6.5	6.4	43.3
Metro/ Nonmetro areas ^d					
Metropolitan	25.2	25.1	6.9	5.9	36.9
Nonmetro, micropolitan	22.4*	28.0*	6.7	6.0	36.9
Nonmetro, noncore	25.0	29.5*	6.7	5.8	33.0*
County with persistent poverty ^d					
Yes	25.0	28.3	6.3	6.1	34.3
No	24.9	25.3*	6.9*	5.9	37.0*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.23. Prevalence of EBT Purchase Transaction Inactivity, for Households Grouped by Issuance Amount, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Households Ever Inactive During FY2022												
	All Households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
All households	5.0	24.1	7.2	15.5	9.7	7.0	4.7	4.8	4.2	6.7	6.2	4.5	4.4
Household type													
With and without children													
Households with children	4.6	1.9	0.0>	40.8	17.4	9.3	1.8	5.5	6.6	6.5	5.9	6.8	4.1
Households without children	5.2	25.3*	7.4*>	14.7	9.4	6.9	4.8*	4.8	4.1	6.7	6.4	2.1*	7.5*
Types of households with children													
Single-adult households	4.9	1.9	0.0>	2.4	0.0>	14.7	2.1	0.2	0.5	6.0	7.0	6.7	4.5
Multiple-adult households	3.7	-	0.0>	82.9*	24.2>	8.1	2.9	18.1	6.6	6.6	1.7*	2.1*	3.6
Children only	6.7	-	0.0>	0.0	53.8>	0.0	1.0	5.5	11.4	7.6	3.8	18.1	3.7
All households, by type													
With an elderly person	4.9	22.5	7.6	15.8	7.9	6.2	4.4	4.2	4.2	4.9	6.6	1.8	4.9
With a non-elderly person with a disability	5.3	35.8	7.0	13.3	7.3	8.7	5.9	4.8	4.2	6.7	6.3	4.9	3.9
With a child, without a person who was elderly or had a disability	4.7	2.2*	0.0*	45.5	29.6	8.9	1.8*	7.2	7.5	7.6	6.5	7.0*	4.2
Other households	5.1	0.0*	6.2	1.6*	27.5	5.8	3.9	5.7	3.9	7.3	5.0	3.1	10.5
Household size													
1	5.2	25.9	8.4	13.8	9.1	6.8	4.7	4.8	4.2	6.8	5.6	2.8	10.6
2	5.3	13.7	1.4	34.9	9.4	11.1	5.2	5.1	1.7	7.9	7.2	4.5	5.2
3	4.0*	-	0.0*	3.1*	51.4	0.0*	2.4	4.7	8.4	0.5*	0.5*	10.8	3.9
4+	4.2	-	-	93.4*	100.0*	21.5	3.1	5.4	0.0*	1.7	0.3*	1.7	4.2

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Percentage of Households Ever Inactive During FY2022												
	All Households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Race and ethnicity of household head													
White, non-Hispanic	4.8	31.6	17.4	14.5	9.6	6.2	5.0	3.8	3.9	5.4	3.1	4.2	4.5
Black, non-Hispanic	4.5	36.3	2.2	10.5	8.9	6.3	3.9	4.6	3.9	5.7	5.7	6.4	3.9
Hispanic	5.5	0.6*	0.3*	21.9	11.9	9.4	4.9	6.8	4.5	3.6	9.8	5.4	4.4
Asian, non-Hispanic	3.8	0.0*	0.0*	3.2	2.2	0.0*	1.7	6.4	3.8	7.8	7.2	0.2*	5.0
Native American, non-Hispanic	5.1	4.4*	0.0*	14.3	4.7	21.7	4.5	2.3	3.2	13.8	0.8	18.3	3.3
Other ^a	5.9	-	3.4	19.9	8.6	8.3	5.7	6.1	5.3	13.1	11.3	3.8	5.0
Employment Status													
Households with earnings	5.1	7.5	9.9	18.6	30.1	6.8	4.0	5.8	5.2	8.2	8.2	5.4	4.3
Households without earnings	4.9	25.0	6.9	15.2	7.3*	7.1	4.8	4.7	4.0	6.2	5.3	4.2	4.6
Receipt of TANF													
Yes	3.0	100.0>	7.2	0.0>	0.0>	22.7	0.0>	0.0>	0.5	0.0>	1.0	1.4	3.5
No	5.0	24.0*>	-	15.5*>	9.7*>	7.0	4.7*>	4.8>	4.2*	6.8*>	6.3*	4.7*	4.5
SNAP benefit ^b													
\$20 or less	13.4	22.9	7.0	15.2	20.5	7.6	9.1	0.8	0.0>	0.0>	0.0>	0.0>	13.9
\$21-100	9.6	44.0	7.4	13.5	7.5	8.8	5.3	8.8	4.9>	0.0>	0.0>	0.0>	5.1
\$101-200	6.5*	-	0.0	24.5	6.4	6.6	5.0	4.9	0.0>	0.2>	0.0>	0.0>	8.2
\$201-300	4.8*	-	0.0	18.6	20.8	6.3	4.4	4.7*	5.1>	8.1>	2.2>	2.4>	2.5
\$301-400	4.8*	-	-	0.0*	41.5	19.4	12.7	5.4*	4.0>	6.1*>	6.0*>	5.5>	10.3
\$401-500	5.0*	-	-	0.0*	13.9	0.0	5.9	5.9	1.9>	7.4>	7.5*>	4.0*>	5.5
\$501 or more	4.4*	-	-	-	-	0.0	2.0	7.8	12.6>	12.2>	5.9>	6.8*>	4.2
Minimum benefit	13.4	22.9	7.0	15.2	20.5	7.6	9.1	0.8	0.0	0.0	0.0	0.0	13.9
Maximum benefit	4.7*	44.0	7.4	18.2	15.8	5.1	4.5	4.7*	4.3	7.2*	6.6*	4.3*	4.4

Appendix A Redemption Patterns by Household Characteristics

Household Characteristic	Percentage of Households Ever Inactive During FY2022												
	All Households	Households Grouped by Issuance Amount											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Months in certification period													
≤ 6 months	6.4	19.7	0.8	18.3	25.5	4.7	5.5	8.0	4.7	8.0	4.6	6.3	6.2
7-12 months	4.5*	20.8	5.3	14.0	6.7	8.6	4.8	4.1*	3.9	6.0	6.6	5.3	3.6*
> 12 months	4.9*	32.5	16.9*	16.6	8.2	5.6	4.5	4.5	4.3	7.0	7.0	2.3	5.2
Geographic location													
Region ^c													
Northeast	4.7	22.8	2.5	16.9	0.0>	0.0>	4.2	2.9	4.1	5.8	10.3	4.1	5.7
Mid-Atlantic	3.8	0.0*	0.0	16.0	10.0*>	7.7*>	3.2	4.3	3.7	4.5	1.7	6.6	3.4
Midwest	5.5	23.5	11.7	14.5	18.8*>	5.2*>	4.7	6.0	3.5	6.5	4.2	4.6	3.5
Southeast	3.9	29.1	20.2*	11.2	4.0>	7.6*>	5.5	2.8	3.8	4.2	7.4	4.5	2.9
Southwest	7.4*	38.8	24.1*	11.3	7.1*>	2.9*>	6.4	7.4	5.8	11.6	12.2	7.2	7.6
Mountain Plains	5.6	-	-	-	11.4*>	3.7>	4.1	5.1	7.3	4.0	3.8	4.0	4.4
West	4.2	-	-	-	-	-	3.9	5.0	4.2	8.5	5.0	2.4	3.3
Metro/ Nonmetro areas ^d													
Metropolitan	5.0	21.1	5.4	17.2	10.3	8.0	4.8	5.0	4.1	6.2	6.4	5.0	4.5
Nonmetro, micropolitan	4.5	47.7	13.5	11.9	8.8	3.7*	4.6	2.7*	4.9	5.2	2.9	2.6	4.5
Nonmetro, noncore	5.0	34.0	15.0	12.0	7.6	3.9	5.4	6.4	3.6	15.6	9.0	1.7*	3.1
County with persistent poverty ^d													
Yes	4.9	14.7	14.9	21.1	6.2	3.4	3.2	4.7	3.5	3.8	9.8	2.2	5.9
No	5.0	24.7	6.5	14.5	10.3	7.5*	5.0	4.9	4.3	6.8	5.9	4.8*	4.2

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Households are identified as ever inactive if, during any month no transactions were made but receipt of issuance was inferred by the observation of an issuance in the following month that was sufficiently large to reflect one or more months of benefit receipt.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

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Table A.24. Distribution of Households by Months of EBT Purchase Inactivity, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Households by Number of Months of Inactivity			Percentage of Households with Consecutive Months of Inactivity
	Zero	One	More Than One	
All households	95.0	4.5	0.5	0.3
Household type				
With and without children				
Households with children	95.4	4.4	0.2	0.2
Households without children	94.8	4.6	0.6*	0.3
Types of households with children				
Single-adult households	95.1	4.6	0.3	0.2
Multiple-adult households	96.3	3.5	0.2	0.1
Children only	93.3	6.7	0.0*	0.0*
All households, by type				
With an elderly person	95.1	4.4	0.5	0.2
With a non-elderly person with a disability	94.7	4.6	0.8	0.3
With a child, without a person who was elderly or had a disability	95.3	4.5	0.2*	0.2
Other households	94.9	4.6	0.5	0.3
Household size				
1	94.8	4.6	0.6	0.3
2	94.7	5.0	0.3	0.3
3	96.0*	3.9	0.1*	0.1
4+	95.8	4.0	0.2*	0.2
Race and ethnicity of household head				
White, non-Hispanic	95.2	4.3	0.5	0.3
Black, non-Hispanic	95.5	4.1	0.4	0.2
Hispanic	94.5	5.2	0.2	0.2
Asian, non-Hispanic	96.2	3.3	0.5	0.3
Native American, non-Hispanic	94.9	4.6	0.5	0.3
Other ^a	94.1	5.4	0.6	0.4
Employment Status				
Households with earnings	94.9	4.7	0.4	0.3
Households without earnings	95.1	4.4	0.5	0.3
Receipt of TANF				
Yes	97.0	3.0 ^b	0.0	0.0
No	95.0	4.5	0.5*	0.3*

Household Characteristic	Percentage of Households by Number of Months of Inactivity			Percentage of Households with Consecutive Months of Inactivity
	Zero	One	More Than One	
SNAP benefit ^b				
\$20 or less	86.6	9.4	4.1 [›]	2.0 [›]
\$21-100	90.4	8.5	1.1	0.4
\$101-200	93.5*	6.1	0.4	0.3
\$201-300	95.2*	4.3*	0.5	0.2
\$301-400	95.2*	4.3*	0.5	0.2
\$401-500	95.0*	4.5	0.5	0.4
\$501 or more	95.6*	4.3*	0.2	0.1
Minimum benefit	86.6	9.4	4.1 [›]	2.0 [›]
Maximum benefit	95.3*	4.3*	0.4	0.2
Months in certification period				
≤ 6 months	93.6	5.9	0.5	0.3
7-12 months	95.5*	4.1*	0.4	0.2
> 12 months	95.1*	4.4*	0.5	0.2
Geographic location				
Region ^c				
Northeast	95.3	4.1	0.6	0.4
Mid-Atlantic	96.2	3.4	0.4	0.2
Midwest	94.5	5.0	0.5	0.3
Southeast	96.1	3.6	0.3	0.1
Southwest	92.6*	6.8*	0.5	0.4
Mountain Plains	94.4	4.8	0.8	0.4
West	95.8	3.8	0.4	0.2
Metro/ Nonmetro areas ^d				
Metropolitan	95.0	4.5	0.5	0.3
Nonmetro, micropolitan	95.5	4.2	0.3	0.2
Nonmetro, noncore	95.0	4.7	0.3	0.1*
County with persistent poverty ^d				
Yes	95.1	4.5	0.4	0.1
No	95.0	4.5	0.5	0.3

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Households are identified as ever inactive if, during any month no transactions were made but receipt of issuance was inferred by the observation of an issuance in the following month that was sufficiently large to reflect one or more months of benefit receipt.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table A.25. Distribution of Households: Weighted and Unweighted

Household Characteristic	Unweighted	Weighted	Percentage (Weighted)
All households	37,178	18,513,766	100.0
Household type			
With and without children			
Households with children	13,077	6,533,525	35.3
Households without children	24,101	11,980,241	64.7
Types of households with children			
Single-adult households	7,691	3,834,180	58.7
Multiple-adult households	4,687	2,248,607	34.4
Children only	699	450,738	6.9
All households, by type			
With an elderly person	10,796	5,756,194	31.1
With a non-elderly person with a disability	7,978	3,533,721	19.1
With a child, without a person who was elderly or had a disability	10,661	5,415,890	29.3
Other households	7,743	3,807,962	20.6
Household size			
1	21,927	10,805,792	58.4
2	5,842	3,126,935	16.9
3	4,035	2,037,999	11.0
4+	5,374	2,543,040	13.7
Race and ethnicity of household head			
White, non-Hispanic	17,507	7,140,438	38.6
Black, non-Hispanic	8,408	4,778,904	25.8
Hispanic	3,075	2,609,793	14.1
Asian, non-Hispanic	1,129	662,661	3.6
Native American, non-Hispanic	855	175,113	0.9
Other ^a	6,204	3,146,857	17.0
Employment Status			
Households with earnings	9,597	4,688,683	25.3
Households without earnings	27,581	13,825,084	74.7
Receipt of TANF			
Yes	943	497,684	2.7
No	36,235	18,016,082	97.3
SNAP benefit ^b			
\$20 or less	669	256,840	1.4
\$21-100	1,310	382,375	2.1
\$101-200	1,572	593,722	3.2
\$201-300	11,194	5,474,424	29.6
\$301-400	8,012	4,525,144	24.4

Household Characteristic	Unweighted	Weighted	Percentage (Weighted)
\$401-500	3,746	1,806,435	9.8
\$501 or more	10,675	5,474,826	29.6
Minimum benefit	668	256,738	1.4
Maximum benefit	31,122	16,419,815	88.7
Months in certification period			
≤ 6 months	7,757	3,204,556	17.3
7-12 months	19,025	9,486,815	51.3
> 12 months	10,361	5,796,301	31.4
Geographic location			
Region ^c			
Northeast	4,966	2,278,426	12.3
Mid-Atlantic	3,674	2,193,334	11.8
Midwest	7,396	4,297,627	23.2
Southeast	5,752	3,154,576	17.0
Southwest	5,665	2,576,754	13.9
Mountain Plains	5,058	777,080	4.2
West	4,667	3,235,970	17.5
Metro/ Nonmetro areas ^d			
Metropolitan	24,051	14,995,811	83.2
Nonmetro, micropolitan	5,634	1,902,805	10.6
Nonmetro, noncore	3,930	1,128,728	6.3
County with persistent poverty ^d			
Yes	3,461	1,933,345	10.7
No	30,154	16,093,999	89.3

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average monthly statistics over the three months centered on the QC sample month.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

Table A.26. Distribution of Households by Days Between Issuances, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Average Number of Days Between Benefit Issuances (Percentage of Households)			
	1-7	8-14	15-21	22-31+
All households	5.6	14.4	16.4	27.2
Household type				
With and without children				
Households with children	5.7	13.7	15.3	26.8
Households without children	5.5	14.9*	17.1*	27.4
Types of households with children				
Single-adult households	5.5	13.9	15.4	26.6
Multiple-adult households	6.2	13.9	15.8	26.4
Children only	5.1	10.1*	11.9*	31.1*
All households, by type				
With an elderly person	5.2	15.0	17.2	27.8
With a non-elderly person with a disability	6.2*	13.6*	15.9	29.1
With a child, without a person who was elderly or had a disability	5.6	13.7*	15.2*	26.6
Other households	5.6	15.4	17.5	25.5*
Household size				
1	5.5	14.6	16.7	27.6
2	5.5	15.6	17.4	26.0*
3	5.8	13.5	15.3	27.4
4+	5.9	13.2*	14.9*	27.1
Race and ethnicity of household head				
White, non-Hispanic	5.5	14.8	16.5	27.5
Black, non-Hispanic	4.7*	15.4	18.3*	25.8*
Hispanic	4.3*	13.5	17.0	26.7
Asian, non-Hispanic	5.0	20.9*	25.2*	16.8*
Native American, non-Hispanic	7.5	9.8*	8.6*	33.3*
Other ^a	8.2*	11.8*	11.5*	31.0*
Employment Status				
Households with earnings	6.0	14.1	16.4	25.9
Households without earnings	5.4*	14.6	16.5	27.7*
Receipt of TANF				
Yes	5.8	16.2	17.4	24.9
No	5.6	14.4	16.4	27.3
SNAP benefit ^b				
\$20 or less	0.0	1.1	1.0	44.5
\$21-100	0.0	0.4	0.5	53.2*
\$101-200	0.0	0.3*	0.3	51.7*

Household Characteristic	Average Number of Days Between Benefit Issuances (Percentage of Households)			
	1-7	8-14	15-21	22-31+
\$201-300	5.5*	13.8*	15.3*	29.1*
\$301-400	6.3*	17.7*	21.2*	21.8*
\$401-500	6.1*	15.6*	17.4*	26.3*
\$501 or more	6.2*	15.2*	17.0*	24.8*
Minimum benefit	0.0	1.1	1.0	44.5
Maximum benefit	6.3*	16.2*	18.5*	24.3*
Months in certification period				
≤ 6 months	4.9	11.2	11.0	30.8
7-12 months	5.2	14.5*	17.4*	26.7*
> 12 months	6.5*	16.1*	17.9*	26.0*
Geographic location				
Region ^c				
Northeast	4.8	22.2	29.7	14.8
Mid-Atlantic	1.7*	14.1*	23.4*	26.0*
Midwest	2.6*	9.8*	10.2*	36.2*
Southeast	6.4*	18.7*	21.6*	20.4*
Southwest	10.5*	9.7*	7.6*	32.7*
Mountain Plains	4.2	7.3*	6.7*	41.2*
West	8.3*	16.8*	15.0*	23.8*
Metro/ Nonmetro areas ^d				
Metropolitan	5.5	14.8	17.3	26.2
Nonmetro, micropolitan	6.7*	14.2	13.4*	29.8*
Nonmetro, noncore	5.2	12.1*	12.1*	33.7*
County with persistent poverty ^d				
Yes	3.9	15.6	23.6	23.9
No	5.8*	14.4*	15.7*	27.4*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

Table A.27. Distribution of Issuance Periods by Length, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Issuance Period Length (Percentage of Household Issuance Periods)			
	Any Length	At Least 14 Days	At Least 21 Days	At Least 28 days
All households	100.0	83.6	57.3	39.5
Household type				
With and without children				
Households with children	100.0	83.0	57.5	39.7
Households without children	100.0	83.9*	57.2	39.4
Types of households with children				
Single-adult households	100.0	83.0	56.8	39.5
Multiple-adult households	100.0	82.2	56.4	37.5
Children only	100.0	87.5*	69.1*	52.6*
All households, by type				
With an elderly person	100.0	85.0	57.4	39.6
With a non-elderly person with a disability	100.0	83.9*	58.9	41.2
With a child, without a person who was elderly or had a disability	100.0	82.9*	57.5	39.7
Other households	100.0	82.2*	55.4	37.7
Household size				
1	100.0	83.9	57.7	40.0
2	100.0	83.4	55.5	37.8
3	100.0	84.0	58.0	39.9
4+	100.0	82.4*	57.4	39.5
Race and ethnicity of household head				
White, non-Hispanic	100.0	83.4	57.0	39.1
Black, non-Hispanic	100.0	82.5	53.9*	38.1
Hispanic	100.0	85.6*	58.4	41.9
Asian, non-Hispanic	100.0	81.3*	37.5*	19.1*
Native American, non-Hispanic	100.0	87.0*	70.8*	52.4*
Other ^a	100.0	84.3	66.0*	44.3*
Employment Status				
Households with earnings	100.0	83.3	57.2	38.6
Households without earnings	100.0	83.7	57.4	39.9
Receipt of TANF				
Yes	100.0	82.1	53.0	33.5
No	100.0	83.6	57.4	39.7*
SNAP benefit ^b				
\$20 or less	100.0	99.3>	98.0	97.8
\$21-100	100.0	99.7>	99.3	99.1
\$101-200	100.0	99.8	99.4*	99.4*

Household Characteristic	Issuance Period Length (Percentage of Household Issuance Periods)			
	Any Length	At Least 14 Days	At Least 21 Days	At Least 28 days
\$201-300	100.0	84.5*	60.9*	42.5*
\$301-400	100.0	80.8*	47.1*	27.7*
\$401-500	100.0	83.6*	56.7*	37.5*
\$501 or more	100.0	81.5*	53.0*	33.7*
Minimum benefit	100.0	99.3 ^a	98.0	97.8
Maximum benefit	100.0	81.5*	52.0*	31.9*
Months in certification period				
≤ 6 months	100.0	86.6	67.1	52.4
7-12 months	100.0	82.5*	55.8*	38.7*
> 12 months	100.0	83.8*	54.2*	33.5*
Geographic location				
Region ^c				
Northeast	100.0	81.0	28.9	14.7
Mid-Atlantic	100.0	90.7*	48.3*	41.4*
Midwest	100.0	89.1*	72.7*	62.9*
Southeast	100.0	74.2*	44.9*	23.5*
Southwest	100.0	84.3*	71.8*	45.9*
Mountain Plains	100.0	89.7*	81.0*	66.1*
West	100.0	80.5	58.0*	28.8*
Metro/ Nonmetro areas ^d				
Metropolitan	100.0	83.5	55.8	38.0
Nonmetro, micropolitan	100.0	82.3*	60.8*	41.0*
Nonmetro, noncore	100.0	86.4*	67.4*	52.2*
County with persistent poverty ^d				
Yes	100.0	87.1	45.4	34.4
No	100.0	83.1*	58.4*	39.8*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

Appendix B

Redemption Patterns by State

Table B.1. Average Number of Monthly EBT Purchase Transactions per Household, and Distribution of Households by Number of Transactions, FY 2022

State	Average Number of Transactions per Household	Average Number of Transactions per \$100 of Benefits	Number of Monthly Transactions (Percentage of Households)					
			One	2-5	6-10	11-15	16-20	>20
Total U.S.	10.9	2.6	8.2	25.7	26.7	16.7	9.6	13.0
Alabama	11.6	2.6	7.5	22.4	26.6	18.0	10.8	14.7
Alaska	11.1	1.8	8.7	25.9	25.5	16.3	9.7	13.9
Arizona	11.7	2.7	8.1	24.2	25.1	16.7	10.4	15.7
Arkansas	7.8	2.6	15.0	35.4	24.2	12.4	6.3	6.7
California	10.1	2.6	9.0	27.8	27.2	16.1	8.8	11.1
Colorado	10.9	2.6	8.7	25.7	26.2	16.5	9.6	13.4
Connecticut	10.7	2.4	5.3	24.6	30.5	18.6	9.9	11.2
Delaware	12.4	2.7	6.4	22.0	25.9	17.7	10.9	17.0
District of Columbia	11.1	2.4	4.3	24.2	30.5	18.7	10.1	12.1
Florida	7.7	2.5	13.2	37.6	25.6	11.7	5.6	6.3
Georgia	11.4	2.4	7.1	24.2	26.5	17.4	10.3	14.4
Guam	17.6	2.6	8.7	16.0	15.8	14.1	11.5	34.0
Hawaii	15.5	2.2	6.6	17.0	19.8	17.0	12.6	27.0
Idaho	7.5	2.6	14.8	36.7	24.8	12.1	5.8	5.7
Illinois	12.3	2.7	5.8	20.2	27.0	19.2	11.7	16.1
Indiana	10.1	2.5	11.6	27.2	24.9	15.4	8.9	11.9
Iowa	9.9	2.8	10.8	29.1	25.2	15.0	8.6	11.3
Kansas	12.9	2.8	4.8	20.3	26.6	18.7	11.7	18.0
Kentucky	9.8	2.5	13.2	28.0	24.0	14.8	8.5	11.4
Louisiana	10.8	2.5	10.0	23.7	26.0	17.4	10.1	12.8
Maine	11.1	2.5	5.0	24.4	29.9	18.1	9.9	12.6
Maryland	8.9	2.3	9.5	31.7	28.6	15.0	7.4	7.9
Massachusetts	10.1	2.4	6.7	27.0	30.4	17.3	8.8	9.8
Michigan	11.6	2.6	7.4	24.0	26.4	17.1	10.1	14.9
Minnesota	9.5	2.4	11.7	28.4	26.0	15.3	8.4	10.2
Mississippi	8.7	2.7	11.7	32.5	26.2	14.3	7.4	7.9
Missouri	9.3	2.7	8.5	31.8	27.5	15.1	8.0	9.2
Montana	8.4	2.6	12.4	33.9	26.1	13.3	6.7	7.6
Nebraska	8.3	2.6	12.3	33.6	26.5	13.8	6.9	7.0
Nevada	11.9	2.7	6.6	24.7	26.3	16.5	10.0	15.9
New Hampshire	10.4	2.3	5.7	27.0	30.0	17.3	9.1	10.9
New Jersey	11.3	2.3	5.4	24.7	28.7	17.7	9.9	13.5
New Mexico	11.3	2.6	6.8	22.7	27.7	18.6	10.7	13.4
New York	12.5	2.9	7.2	22.4	24.9	17.2	10.8	17.6

State	Average Number of Transactions per Household	Average Number of Transactions per \$100 of Benefits	Number of Monthly Transactions (Percentage of Households)					
			One	2-5	6-10	11-15	16-20	>20
North Carolina	12.2	2.6	5.4	19.8	27.9	19.8	11.7	15.4
North Dakota	7.7	2.4	11.9	36.5	27.1	12.9	6.0	5.6
Ohio	11.7	2.6	7.5	22.7	26.3	17.7	10.6	15.2
Oklahoma	11.9	2.8	9.9	23.7	23.2	16.0	10.3	16.9
Oregon	12.5	2.8	4.8	20.8	27.3	18.9	11.5	16.6
Pennsylvania	11.1	2.6	6.8	24.7	27.8	17.5	10.0	13.3
Rhode Island	11.0	2.6	5.5	23.5	30.3	18.7	10.1	11.8
South Carolina	10.6	2.5	8.6	23.4	28.1	18.2	10.1	11.6
South Dakota	9.7	2.5	9.4	30.1	27.2	14.8	7.9	10.5
Tennessee	8.8	2.6	13.3	31.5	24.9	14.0	7.5	8.7
Texas	12.1	2.3	6.6	21.2	26.4	18.3	11.3	16.1
Utah	12.2	2.6	7.4	22.7	24.9	17.2	10.9	17.0
Vermont	11.3	2.4	7.8	23.0	26.4	17.9	10.7	14.1
Virginia	11.8	2.6	7.0	21.7	26.9	18.3	11.0	15.1
Virgin Islands	10.8	1.8	6.4	26.1	28.9	17.1	9.4	12.1
Washington	10.3	2.5	6.7	25.9	29.6	17.8	9.5	10.5
West Virginia	10.2	2.7	10.9	26.1	26.2	16.1	9.1	11.7
Wisconsin	12.2	2.6	4.8	22.5	27.4	18.2	11.0	16.1
Wyoming	9.7	2.5	11.1	29.3	25.5	15.1	8.4	10.6

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.1a. Average Number of Monthly EBT Purchase Transactions per Household, and Distribution of Households by Number of Transactions among Households Who Redeem a Significant Portion of Benefits Online, FY 2022

State	Average Number of Transactions per Household	Average Number of Transactions per \$100 of Benefits	Number of Monthly Transactions (Percentage of Households)					
			One	2-5	6-10	11-15	16-20	>20
Total U.S.	8.5	1.9	10.9	32.7	27.9	14.3	7.0	7.2
Alabama	9.3	2.0	9.5	30.0	27.7	15.8	8.4	8.6
Alaska	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Arizona	9.1	2.1	11.0	30.5	27.1	14.8	7.9	8.7
Arkansas	6.6	2.0	18.3	38.2	24.0	11.0	4.8	3.8
California	7.5	2.0	11.7	36.6	28.8	12.7	5.5	4.8
Colorado	9.0	1.9	9.2	31.3	28.6	15.2	7.7	8.1
Connecticut	7.9	1.8	10.7	36.7	28.1	12.7	5.9	5.8
Delaware	8.7	1.9	12.8	31.7	26.0	14.1	7.2	8.3
District of Columbia	8.5	1.8	5.9	32.9	33.8	15.3	6.7	5.4
Florida	6.7	2.0	16.4	40.6	24.1	10.1	4.5	4.4
Georgia	9.6	1.9	8.9	29.1	28.2	15.9	8.4	9.6
Guam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii	9.8	1.6	13.2	28.2	23.9	14.8	8.5	11.5
Idaho	6.0	1.9	18.3	41.9	23.7	9.5	3.9	2.7
Illinois	9.5	2.0	7.5	29.0	30.1	16.5	8.3	8.7
Indiana	8.4	1.9	13.6	32.0	26.0	14.0	7.1	7.3
Iowa	7.8	2.0	14.3	34.5	25.8	12.8	6.4	6.2
Kansas	9.6	2.0	7.5	29.4	29.5	16.3	8.4	9.1
Kentucky	7.6	1.9	19.5	32.2	23.1	12.5	6.4	6.4
Louisiana	8.5	1.8	11.8	31.3	27.4	15.3	7.5	6.7
Maine	9.7	1.9	7.7	28.5	29.5	16.6	8.4	9.2
Maryland	7.3	1.8	10.4	38.5	29.5	12.3	5.1	4.2
Massachusetts	7.7	1.8	9.7	36.8	29.9	13.1	5.5	5.0
Michigan	8.8	1.9	10.6	32.0	27.7	14.5	7.2	8.0
Minnesota	7.7	1.9	13.6	35.3	27.0	12.7	5.8	5.6
Mississippi	7.2	2.0	14.2	37.1	26.5	12.3	5.5	4.4
Missouri	7.6	2.0	11.0	37.5	28.0	12.9	5.7	5.0
Montana	5.8	1.8	18.4	43.4	23.0	9.6	3.0	2.5
Nebraska	6.7	2.0	15.7	38.7	26.3	11.2	4.6	3.6
Nevada	9.9	2.1	7.9	29.5	28.4	15.4	8.3	10.5
New Hampshire	9.1	1.9	8.9	31.0	29.4	15.7	7.4	7.5
New Jersey	8.6	1.8	8.8	34.9	28.2	13.8	6.8	7.4
New Mexico	9.0	1.9	8.1	29.6	30.7	16.7	7.9	7.1

State	Average Number of Transactions per Household	Average Number of Transactions per \$100 of Benefits	Number of Monthly Transactions (Percentage of Households)					
			One	2-5	6-10	11-15	16-20	>20
New York	8.0	1.9	10.7	35.7	28.1	13.2	6.1	6.1
North Carolina	9.7	1.9	8.2	27.3	29.6	17.2	8.7	9.0
North Dakota	6.4	2.0	15.2	43.3	24.4	9.8	3.8	3.5
Ohio	9.5	2.0	10.1	29.0	27.8	15.6	8.1	9.3
Oklahoma	9.2	2.0	11.7	29.7	26.2	15.2	8.1	9.2
Oregon	9.3	2.0	7.7	30.3	30.3	15.8	7.7	8.2
Pennsylvania	8.7	1.9	9.6	33.1	28.4	14.3	7.1	7.5
Rhode Island	8.8	2.1	8.4	33.4	29.5	14.5	6.9	7.4
South Carolina	9.1	2.0	10.7	28.4	28.2	16.4	8.3	7.9
South Dakota	7.1	1.9	12.6	39.7	26.7	11.6	5.0	4.4
Tennessee	7.3	1.9	16.3	35.7	25.2	12.1	5.6	5.2
Texas	9.8	1.8	9.8	26.6	27.7	16.8	9.1	10.0
Utah	9.2	1.9	10.2	30.4	26.8	15.4	8.3	8.9
Vermont	7.6	1.6	14.9	33.9	27.2	12.5	6.2	5.3
Virginia	9.3	1.9	10.5	28.5	28.0	16.0	8.3	8.7
Virgin Islands	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Washington	8.1	1.9	8.5	34.5	31.5	14.1	6.2	5.2
West Virginia	7.9	1.9	15.4	32.4	26.1	13.6	6.5	6.0
Wisconsin	9.5	1.9	7.4	29.7	29.8	16.1	8.2	8.9
Wyoming	7.4	1.9	14.5	36.1	26.1	12.6	5.6	5.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Statistics calculated for months in which a household spent least 50 percent of their total monthly redemptions at internet retailers.

n.a. = not applicable (State did not offer online SNAP benefit redemption during FY 2022).

Table B.2. Average EBT Purchase Amount per Transaction, and Distribution of Transactions by Dollar Amount, FY 2022

State	Average Purchase Amount (\$)	Dollar Amount of EBT Purchase Transactions (Percentage of Transactions)							
		<\$5	\$5-10	\$11-25	\$26-50	\$51-75	\$76-100	\$101-200	>\$200
Total U.S.	39.08	13.9	20.3	25.2	17.3	8.4	5.1	7.3	2.5
Alabama	38.01	14.6	20.2	24.7	17.3	8.6	5.2	7.1	2.3
Alaska	56.64	8.0	15.0	24.4	20.3	10.6	6.4	10.2	5.2
Arizona	36.57	16.2	21.2	24.9	16.2	7.8	4.6	6.8	2.3
Arkansas	37.90	15.5	20.6	25.0	16.8	8.0	4.6	6.9	2.6
California	38.05	12.1	19.7	26.5	18.7	8.9	5.1	7.1	2.0
Colorado	38.98	13.1	20.4	25.7	17.5	8.5	5.0	7.4	2.5
Connecticut	41.43	12.5	18.7	24.8	18.4	9.2	5.8	8.0	2.6
Delaware	37.57	15.2	22.1	24.8	15.7	7.7	4.8	7.2	2.5
District of Columbia	42.03	14.7	20.8	23.8	16.2	8.0	5.0	8.1	3.5
Florida	39.66	13.9	19.5	24.8	17.8	8.7	5.1	7.7	2.5
Georgia	41.32	14.1	19.7	23.9	17.2	8.8	5.4	8.0	2.9
Guam	38.56	10.9	20.5	29.5	18.6	7.6	4.1	6.0	2.8
Hawaii	45.64	9.7	18.3	27.1	19.2	8.9	5.2	7.9	3.6
Idaho	38.02	12.9	20.1	26.5	18.4	8.4	4.7	6.7	2.4
Illinois	36.97	15.7	20.7	24.3	16.8	8.3	5.1	6.8	2.2
Indiana	39.93	16.0	20.8	23.6	16.1	8.0	4.9	7.6	3.0
Iowa	36.07	15.8	22.0	25.1	16.2	7.7	4.4	6.5	2.3
Kansas	36.15	16.3	21.2	24.6	16.5	8.0	4.8	6.5	2.2
Kentucky	39.70	14.9	20.9	24.7	16.4	7.9	4.8	7.5	2.9
Louisiana	39.61	14.4	19.6	24.7	17.5	8.7	5.2	7.3	2.5
Maine	40.14	11.4	19.0	26.2	19.1	9.2	5.3	7.3	2.4
Maryland	43.07	13.1	19.7	24.1	17.1	8.7	5.4	8.6	3.2
Massachusetts	42.52	12.2	18.9	24.7	18.2	9.1	5.7	8.3	2.9
Michigan	38.73	15.8	21.1	23.8	16.2	8.1	5.0	7.4	2.6
Minnesota	41.43	11.7	19.0	25.7	18.5	9.1	5.4	7.9	2.7
Mississippi	36.83	16.2	21.1	24.8	16.4	8.0	4.5	6.7	2.4
Missouri	36.44	16.7	21.7	24.5	16.0	7.6	4.4	6.7	2.4
Montana	38.89	12.2	19.9	27.2	18.5	8.3	4.6	6.7	2.5
Nebraska	38.07	13.9	20.0	25.6	17.9	8.4	4.8	7.0	2.3
Nevada	37.58	16.2	21.2	24.1	15.9	7.9	4.8	7.2	2.5
New Hampshire	43.77	11.7	18.6	24.9	18.2	9.2	5.5	8.7	3.2
New Jersey	43.78	12.0	19.4	25.5	17.7	8.5	5.1	8.3	3.5
New Mexico	39.19	13.6	20.2	25.4	17.3	8.5	5.1	7.5	2.5
New York	34.84	14.8	22.4	27.2	16.6	7.1	4.1	5.6	2.3
North Carolina	39.05	14.5	19.6	23.8	17.7	9.1	5.5	7.5	2.3

State	Average Purchase Amount (\$)	Dollar Amount of EBT Purchase Transactions (Percentage of Transactions)							
		<\$5	\$5-10	\$11-25	\$26-50	\$51-75	\$76-100	\$101-200	>\$200
North Dakota	42.05	10.7	18.0	26.6	19.7	9.2	5.2	7.6	2.8
Ohio	38.85	14.8	21.0	24.4	16.4	8.2	5.2	7.4	2.5
Oklahoma	35.19	17.7	22.6	24.3	15.0	7.2	4.3	6.5	2.3
Oregon	36.07	13.6	21.5	26.6	17.3	7.9	4.5	6.4	2.1
Pennsylvania	38.96	13.4	21.1	25.6	16.8	8.1	5.1	7.2	2.6
Rhode Island	38.19	13.5	20.1	25.5	17.9	8.5	4.9	7.2	2.3
South Carolina	40.71	13.6	19.7	24.1	17.6	9.0	5.4	8.0	2.7
South Dakota	39.96	11.9	19.7	27.1	18.3	8.3	4.8	7.1	2.7
Tennessee	38.76	15.8	21.1	24.3	16.1	7.9	4.7	7.4	2.8
Texas	43.38	12.5	18.6	24.0	18.0	9.4	5.9	8.8	3.0
Utah	39.09	13.7	19.8	25.2	17.7	8.7	5.2	7.2	2.4
Vermont	42.08	10.6	18.7	26.4	19.1	9.2	5.4	7.8	2.8
Virginia	38.65	14.7	20.4	24.2	17.0	8.6	5.3	7.4	2.4
Virgin Islands	56.05	8.3	16.9	25.0	18.4	9.4	6.2	10.2	5.7
Washington	39.67	11.8	19.7	26.6	18.7	8.7	4.9	7.1	2.6
West Virginia	37.37	14.4	22.0	25.7	16.1	7.8	4.6	6.9	2.5
Wisconsin	38.18	14.5	20.8	25.0	16.9	8.3	5.0	7.2	2.4
Wyoming	39.99	12.8	20.3	26.0	17.7	8.4	4.9	7.2	2.8

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.2a. Average EBT Purchase Amount, and Distribution of Transactions by Dollar Amount among Households Who Redeem a Significant Portion of Benefits Online, FY 2022

State	Average Purchase Amount (\$)	Dollar Amount of EBT Purchase Transactions (Percentage of Transactions)							
		<\$5	\$5-10	\$11-25	\$26-50	\$51-75	\$76-100	\$101-200	>\$200
Total U.S.	52.27	10.6	15.3	20.0	18.2	10.9	7.4	12.3	5.2
Alabama	51.21	11.2	15.9	20.4	17.7	10.4	7.2	11.9	5.4
Alaska	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Arizona	48.63	11.9	16.2	20.5	18.4	10.6	6.7	11.2	4.5
Arkansas	51.31	12.7	16.7	21.2	17.2	9.7	6.1	10.8	5.6
California	51.11	8.9	13.6	19.1	20.9	12.7	8.4	12.5	3.9
Colorado	51.43	10.5	15.8	20.6	18.1	10.7	7.1	12.1	5.1
Connecticut	55.72	9.0	13.6	19.5	17.8	11.2	8.3	14.4	6.2
Delaware	51.61	10.5	16.0	20.8	17.5	10.1	7.1	12.4	5.6
District of Columbia	56.75	8.6	13.6	17.3	19.5	12.6	8.4	14.1	5.9
Florida	50.16	11.0	15.1	20.1	19.2	11.1	7.0	11.9	4.7
Georgia	52.72	10.6	15.0	19.3	18.5	11.2	7.5	12.4	5.5
Guam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii	63.75	7.6	12.6	20.0	18.5	11.2	7.7	14.1	8.3
Idaho	52.46	10.5	15.4	21.5	18.7	10.3	6.7	11.6	5.3
Illinois	50.24	11.4	15.9	19.5	18.0	10.8	7.7	11.8	4.9
Indiana	51.40	12.1	16.6	20.1	17.3	10.0	6.5	11.6	5.8
Iowa	49.69	12.7	17.8	21.6	16.5	9.3	6.0	10.9	5.3
Kansas	50.27	12.6	16.9	20.7	16.9	9.8	6.9	10.9	5.2
Kentucky	52.50	12.3	17.2	21.0	16.6	9.3	6.1	11.4	6.1
Louisiana	54.92	11.1	15.8	20.8	17.0	9.9	6.9	12.0	6.4
Maine	52.14	10.8	16.1	21.6	17.8	10.0	6.9	11.2	5.6
Maryland	54.75	9.0	14.0	18.7	19.3	12.0	7.9	13.7	5.5
Massachusetts	55.42	8.7	13.9	19.1	18.4	11.6	8.6	14.1	5.6
Michigan	52.43	11.5	16.5	20.8	16.9	9.8	6.8	11.9	5.8
Minnesota	52.80	10.1	15.1	20.5	18.6	10.8	7.2	12.1	5.4
Mississippi	49.04	12.6	17.0	21.5	17.2	9.6	6.0	10.6	5.6
Missouri	48.81	12.9	17.2	21.0	17.1	9.6	6.1	10.9	5.2
Montana	56.89	13.5	16.3	20.4	16.9	9.1	5.3	11.5	7.1
Nebraska	49.51	11.9	16.5	21.7	17.9	9.8	6.3	10.9	5.1
Nevada	47.81	12.3	16.6	19.8	17.9	10.5	7.0	11.4	4.5
New Hampshire	53.93	10.7	15.4	21.0	17.7	10.0	6.8	12.4	6.0
New Jersey	56.84	9.3	14.9	19.9	17.6	10.6	7.1	13.5	7.2
New Mexico	53.46	10.6	15.7	20.6	17.3	10.4	7.2	12.6	5.6
New York	53.54	9.5	14.9	20.1	17.3	12.0	8.0	13.0	5.2
North Carolina	51.93	10.7	14.9	19.4	18.6	11.3	7.7	12.5	5.0

State	Average Purchase Amount (\$)	Dollar Amount of EBT Purchase Transactions (Percentage of Transactions)							
		<\$5	\$5-10	\$11-25	\$26-50	\$51-75	\$76-100	\$101-200	>\$200
North Dakota	50.42	10.9	15.5	21.6	18.7	10.4	6.5	11.2	5.2
Ohio	50.68	11.6	16.5	20.4	17.4	10.1	7.0	11.8	5.3
Oklahoma	50.69	12.9	17.7	20.7	16.1	9.3	6.3	11.4	5.6
Oregon	50.62	10.3	16.1	21.5	18.5	10.5	6.9	11.5	4.8
Pennsylvania	53.39	10.1	15.9	20.7	17.2	10.2	7.3	12.6	5.9
Rhode Island	47.08	11.6	16.3	21.5	17.4	10.0	6.6	11.8	4.8
South Carolina	50.73	10.8	15.6	20.0	18.4	10.8	7.0	11.9	5.4
South Dakota	53.86	10.9	16.0	21.6	17.9	10.1	6.3	11.2	6.0
Tennessee	51.90	12.0	16.4	20.6	17.4	9.9	6.4	11.6	5.8
Texas	54.73	10.3	14.8	19.5	17.9	11.0	7.8	13.3	5.4
Utah	52.35	10.3	15.5	21.2	18.2	10.4	7.2	11.9	5.2
Vermont	61.87	7.6	12.9	20.8	18.7	11.2	7.9	14.1	6.9
Virginia	51.49	11.0	15.5	19.6	18.2	11.0	7.4	12.3	5.1
Virgin Islands	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Washington	51.85	9.5	14.8	20.6	20.1	11.3	7.0	11.6	5.0
West Virginia	51.54	12.1	17.5	21.7	16.2	9.2	6.2	11.2	5.9
Wisconsin	51.94	10.8	16.0	20.4	17.8	10.5	7.1	12.1	5.3
Wyoming	53.76	11.2	16.8	21.3	17.6	9.6	6.2	11.3	6.1

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Statistics calculated for months in which a household spent least 50 percent of their total monthly redemptions at internet retailers.

n.a. = not applicable (State did not offer online SNAP benefit redemption during FY 2022).

Table B.3. Distribution of EBT Purchase Transactions by Store Type, FY 2022

State	Distribution of EBT Purchase Transactions						
	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
Total U.S.	57.1	4.4	1.5	20.2	0.8	3.7	12.3
Alabama	55.9	3.2	0.3	16.2	0.5	3.8	20.1
Alaska	55.6	4.0	0.8	27.8	0.4	0.0	11.4
Arizona	59.1	2.4	0.4	23.7	0.2	3.6	10.6
Arkansas	57.9	2.6	0.5	13.9	0.4	3.9	20.8
California	60.7	5.5	0.8	17.7	0.9	2.8	11.6
Colorado	62.3	2.6	0.3	23.2	0.6	4.1	7.0
Connecticut	63.0	3.9	2.1	16.6	0.3	3.2	10.9
Delaware	49.7	1.9	1.6	29.3	1.4	3.0	12.9
District of Columbia	55.0	2.1	1.7	26.1	1.9	5.0	8.1
Florida	64.6	3.1	0.4	14.3	0.6	4.7	12.3
Georgia	57.8	2.9	0.3	18.1	0.9	5.1	14.9
Guam	37.5	37.4	12.9	8.7	1.5	0.0	1.9
Hawaii	56.5	4.4	1.7	23.2	2.1	0.8	11.3
Idaho	67.7	2.7	0.4	17.2	1.3	4.0	6.7
Illinois	53.5	5.4	1.8	22.8	0.5	3.7	12.3
Indiana	52.3	3.6	0.9	25.4	0.2	3.9	13.8
Iowa	53.9	3.2	0.3	28.7	0.3	3.5	10.1
Kansas	54.4	4.0	0.2	23.0	0.4	3.8	14.2
Kentucky	52.7	2.8	0.5	22.3	0.2	3.3	18.2
Louisiana	56.4	4.8	0.7	14.6	1.1	1.8	20.6
Maine	58.6	6.3	1.2	19.6	0.3	3.4	10.7
Maryland	59.1	1.9	1.2	22.7	1.0	4.4	9.6
Massachusetts	60.0	5.2	2.2	19.2	0.3	3.2	9.8
Michigan	50.8	3.5	0.5	27.4	1.3	3.1	13.3
Minnesota	57.2	6.8	1.2	23.0	0.9	3.5	7.4
Mississippi	54.0	2.3	0.4	17.1	0.4	2.8	22.9
Missouri	53.8	2.9	0.8	23.3	0.3	4.2	14.6
Montana	64.1	4.9	0.7	22.1	0.6	0.9	6.6
Nebraska	59.9	6.5	0.8	17.1	0.3	3.8	11.6
Nevada	57.3	1.5	0.4	26.4	0.2	4.3	9.8
New Hampshire	61.2	3.3	0.4	19.8	0.1	4.3	10.9
New Jersey	53.5	10.0	6.8	15.4	1.6	3.1	9.5
New Mexico	58.1	2.8	0.8	21.4	0.5	3.7	12.6
New York	51.3	9.6	5.4	20.4	2.2	2.5	8.6
North Carolina	62.7	1.9	0.4	17.0	0.5	4.6	13.0

State	Distribution of EBT Purchase Transactions						
	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
North Dakota	62.8	5.7	1.4	14.8	0.7	3.1	11.4
Ohio	52.8	3.1	0.7	23.3	0.3	3.5	16.2
Oklahoma	46.9	1.8	0.2	29.3	0.2	4.1	17.6
Oregon	59.3	3.0	0.6	25.7	1.4	2.9	7.1
Pennsylvania	52.6	3.6	4.9	22.4	1.0	3.7	11.8
Rhode Island	55.4	8.8	2.2	18.2	0.3	2.9	12.2
South Carolina	59.7	1.7	0.3	17.0	0.8	4.0	16.5
South Dakota	53.7	7.1	1.6	20.7	0.6	2.3	13.9
Tennessee	54.3	2.8	0.5	22.0	0.2	3.5	16.8
Texas	60.8	3.5	0.4	16.1	0.4	6.0	12.7
Utah	61.4	2.6	0.4	25.5	0.7	4.1	5.2
Vermont	55.9	4.9	1.2	20.4	0.1	2.5	15.0
Virginia	58.4	2.2	0.4	22.3	0.5	4.5	11.7
Virgin Islands	68.0	8.3	4.8	14.9	1.3	0.0	2.6
Washington	65.6	3.8	0.7	19.3	1.3	3.3	5.9
West Virginia	49.3	1.8	0.6	27.1	0.1	3.2	17.8
Wisconsin	52.1	3.5	1.0	29.0	0.3	4.0	10.1
Wyoming	62.0	2.1	0.1	23.1	0.8	3.8	8.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: FNS classifies stores into 25 types, which were collapsed into the 7 categories shown in the table. Specialty food stores include bakeries and bread stores, fruit and vegetable markets, meat and poultry markets, and seafood markets. Other stores include groceries in combination with other stores, delivery routes, farmers markets, nonprofit food buying cooperatives, wholesalers, and others.

Table B.3a. Distribution of EBT Purchase Transactions by Store Type among Households Who Redeem a Significant Portion of Benefits Online, FY 2022

State	Distribution of EBT Purchase Transactions						
	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
Total U.S.	21.2	1.0	0.5	10.4	0.3	60.0	6.5
Alabama	23.0	0.9	0.1	7.5	0.2	57.9	10.3
Alaska	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Arizona	22.9	0.7	0.1	11.8	0.1	59.2	5.2
Arkansas	23.9	0.7	0.2	6.7	0.2	56.6	11.7
California	19.1	1.3	0.3	8.8	0.3	65.8	4.4
Colorado	23.2	0.6	0.1	12.0	0.4	59.9	3.7
Connecticut	19.9	1.0	0.8	8.2	0.1	64.3	5.7
Delaware	18.6	0.4	0.5	12.8	0.4	60.9	6.6
District of Columbia	21.7	1.1	1.5	16.5	1.0	52.8	5.3
Florida	22.4	0.7	0.1	8.6	0.2	61.4	6.6
Georgia	22.5	0.7	0.1	9.4	0.4	59.2	7.8
Guam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii	24.2	0.7	0.5	12.5	0.2	57.2	4.6
Idaho	25.9	0.6	0.1	8.1	1.3	61.3	2.6
Illinois	20.2	1.6	0.7	12.1	0.2	58.2	7.0
Indiana	20.1	0.9	0.3	12.7	0.1	58.2	7.6
Iowa	21.6	0.8	0.1	15.5	0.3	56.7	5.1
Kansas	22.3	1.1	0.0	11.2	0.3	57.5	7.5
Kentucky	21.4	0.8	0.2	11.2	0.1	56.3	10.1
Louisiana	23.8	1.7	0.3	7.0	0.5	55.0	11.7
Maine	21.0	2.0	0.3	8.3	0.2	64.0	4.2
Maryland	19.5	0.4	0.5	12.2	0.4	61.8	5.1
Massachusetts	18.9	1.2	0.9	10.6	0.1	62.5	5.8
Michigan	19.4	0.9	0.2	12.6	0.3	59.7	6.8
Minnesota	20.0	1.4	0.4	11.9	0.4	62.2	3.8
Mississippi	22.8	0.7	0.1	8.3	0.2	54.5	13.4
Missouri	22.0	0.8	0.2	11.3	0.2	57.7	7.8
Montana	23.8	1.5	0.2	9.5	0.5	61.8	2.6
Nebraska	23.4	1.3	0.1	8.3	0.2	61.0	5.7
Nevada	19.9	0.4	0.2	14.4	0.2	59.8	5.1
New Hampshire	20.1	1.0	0.1	8.5	0.0	65.3	5.0
New Jersey	17.6	3.4	3.7	10.4	0.4	58.5	5.9
New Mexico	22.9	1.0	0.3	10.6	0.4	57.8	7.1

State	Distribution of EBT Purchase Transactions						
	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
New York	20.2	2.6	2.4	11.9	0.4	57.2	5.2
North Carolina	24.7	0.4	0.1	8.0	0.2	60.2	6.5
North Dakota	22.4	1.3	0.1	5.6	0.6	66.1	3.8
Ohio	19.1	0.8	0.3	11.0	0.1	60.3	8.5
Oklahoma	19.8	0.5	0.1	14.5	0.1	55.4	9.7
Oregon	22.1	0.9	0.2	12.1	1.1	60.8	2.9
Pennsylvania	18.6	1.1	2.1	11.4	0.3	60.2	6.3
Rhode Island	16.8	2.1	0.6	9.9	0.1	64.3	6.2
South Carolina	22.4	0.3	0.1	8.2	0.3	61.0	7.8
South Dakota	22.4	1.6	0.1	8.8	0.5	61.2	5.3
Tennessee	22.4	0.7	0.1	9.7	0.1	57.8	9.2
Texas	22.8	0.9	0.1	8.9	0.2	60.0	7.0
Utah	23.8	0.5	0.1	11.6	0.7	61.0	2.3
Vermont	21.8	1.6	0.4	8.6	0.0	61.2	6.5
Virginia	22.1	0.5	0.1	11.8	0.2	59.3	6.1
Virgin Islands	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Washington	23.4	0.8	0.2	8.6	0.9	63.2	2.7
West Virginia	20.3	0.6	0.2	13.2	0.1	57.2	8.5
Wisconsin	19.6	1.0	0.5	15.1	0.3	58.6	5.1
Wyoming	24.5	0.9	0.1	11.2	0.8	58.9	3.8

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Statistics calculated for months in which a household spent least 50 percent of their total monthly redemptions at internet retailers. FNS classifies stores into 25 types, which were collapsed into the 7 categories shown in the table. Specialty food stores include bakeries and bread stores, fruit and vegetable markets, meat and poultry markets, and seafood markets. Other stores include groceries in combination with other stores, delivery routes, farmers markets, nonprofit food buying cooperatives, wholesalers, and others.

n.a. = not applicable (State did not offer online SNAP benefit redemption during FY 2022).

Table B.4. Distribution of EBT Benefit Redemption by Store Type, FY 2022

State	Distribution of the Dollar Value of EBT Benefit Redemption						
	Super- markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
Total U.S.	78.0	3.6	0.6	5.3	0.8	5.9	5.8
Alabama	76.5	3.3	0.2	4.0	0.5	6.4	9.2
Alaska	62.6	4.6	0.7	17.1	0.5	0.0	14.6
Arizona	81.0	2.2	0.3	5.9	0.2	5.8	4.8
Arkansas	77.7	2.4	0.3	3.5	0.4	6.7	9.1
California	80.2	4.2	0.4	4.7	0.7	4.3	5.5
Colorado	80.7	2.6	0.2	6.3	0.4	6.6	3.1
Connecticut	82.6	2.9	0.7	4.3	0.4	4.7	4.4
Delaware	77.3	1.9	0.7	8.1	1.7	4.7	5.5
District of Columbia	76.9	1.5	0.5	6.6	2.8	8.8	2.8
Florida	81.7	2.5	0.2	3.3	0.6	6.9	4.8
Georgia	77.6	3.0	0.2	4.2	1.2	7.9	6.0
Guam	65.6	21.7	5.6	3.2	0.8	0.0	3.1
Hawaii	78.4	3.0	0.8	7.3	1.3	1.3	7.9
Idaho	82.1	2.3	0.4	4.4	1.0	6.6	3.2
Illinois	75.1	4.5	1.1	6.4	0.6	6.2	6.1
Indiana	77.6	3.7	0.6	5.8	0.3	6.1	5.9
Iowa	76.4	3.6	0.3	8.0	0.4	6.2	5.2
Kansas	76.2	3.7	0.3	5.5	0.5	6.8	6.9
Kentucky	76.7	2.9	0.3	5.6	0.2	5.6	8.8
Louisiana	79.1	3.3	0.3	3.8	1.2	3.1	9.2
Maine	77.5	5.3	0.7	5.5	0.2	5.0	5.7
Maryland	80.3	1.9	0.5	5.5	1.3	6.5	4.1
Massachusetts	80.6	3.8	0.9	4.9	0.3	4.7	4.9
Michigan	75.8	3.4	0.3	6.4	1.6	5.1	7.4
Minnesota	75.0	7.4	0.8	6.6	1.0	5.4	3.8
Mississippi	76.9	2.2	0.2	4.3	0.4	4.7	11.2
Missouri	76.5	2.9	0.5	5.7	0.3	7.1	7.0
Montana	82.9	3.4	0.4	6.7	0.5	1.7	4.4
Nebraska	77.4	6.0	0.6	4.4	0.4	6.1	5.1
Nevada	80.7	1.3	0.2	6.8	0.2	6.8	3.9
New Hampshire	82.2	2.6	0.2	4.9	0.1	5.7	4.3
New Jersey	77.0	6.4	2.2	4.2	1.5	4.8	4.0
New Mexico	79.0	2.3	0.4	5.8	0.5	6.4	5.5
New York	71.3	7.1	2.1	6.9	2.3	4.7	5.5
North Carolina	80.8	2.0	0.2	3.8	0.5	7.3	5.3

State	Distribution of the Dollar Value of EBT Benefit Redemption						
	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
North Dakota	77.4	5.6	0.7	4.4	0.6	4.3	6.9
Ohio	77.5	3.3	0.3	5.8	0.5	5.5	7.2
Oklahoma	73.3	1.9	0.1	7.5	0.2	7.9	9.0
Oregon	79.3	2.6	0.3	7.4	1.2	4.9	4.2
Pennsylvania	76.2	3.2	1.6	6.4	1.0	6.0	5.5
Rhode Island	78.3	6.4	0.9	4.8	0.3	4.0	5.2
South Carolina	80.2	1.9	0.2	3.8	1.1	5.9	6.8
South Dakota	73.0	6.5	1.0	6.6	0.7	3.9	8.4
Tennessee	78.1	2.8	0.3	5.3	0.2	5.7	7.5
Texas	78.9	2.5	0.2	3.7	0.4	9.3	5.0
Utah	79.7	2.9	0.5	6.8	0.5	6.5	3.1
Vermont	77.1	3.8	0.9	5.9	0.2	3.8	8.3
Virginia	78.9	2.3	0.3	5.4	0.5	7.3	5.3
Virgin Islands	89.4	3.4	1.5	3.8	0.8	0.0	1.1
Washington	81.0	3.6	0.5	5.5	1.1	5.0	3.3
West Virginia	75.1	1.6	0.3	7.7	0.2	5.6	9.5
Wisconsin	75.0	3.5	0.4	8.1	0.4	6.7	5.8
Wyoming	81.0	1.6	0.0	6.3	0.6	6.5	3.9

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: FNS classifies stores into 25 types, which were collapsed into the 7 categories shown in the table. Specialty food stores include bakeries and bread stores, fruit and vegetable markets, meat and poultry markets, and seafood markets. Other stores include groceries in combination with other stores, delivery routes, farmers markets, nonprofit food buying cooperatives, wholesalers, and others.

Table B.4a. Distribution of EBT Benefit Redemption by Store Type Among Households Who Redeem a Significant Portion of Benefits Online, FY 2022

State	Distribution of the Dollar Value of EBT Benefit Redemption						
	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
Total U.S.	17.6	0.6	0.1	2.1	0.2	77.3	2.1
Alabama	18.6	0.6	0.0	1.5	0.2	75.8	3.3
Alaska	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Arizona	18.7	0.5	0.1	2.4	0.1	76.7	1.7
Arkansas	16.7	0.4	0.1	1.3	0.2	77.8	3.6
California	15.9	0.7	0.1	1.9	0.2	79.8	1.5
Colorado	18.3	0.4	0.0	2.6	0.3	77.2	1.2
Connecticut	17.2	0.5	0.2	1.7	0.1	78.6	1.8
Delaware	17.5	0.2	0.2	2.9	0.4	76.7	2.1
District of Columbia	17.6	0.4	0.3	3.3	1.1	76.0	1.3
Florida	17.7	0.5	0.0	1.6	0.2	78.1	1.9
Georgia	19.3	0.5	0.0	1.8	0.4	75.7	2.3
Guam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii	21.5	0.4	0.2	3.0	0.2	72.7	2.1
Idaho	17.0	0.3	0.0	1.6	0.7	79.4	0.9
Illinois	17.7	0.8	0.2	2.4	0.2	76.4	2.3
Indiana	17.5	0.6	0.1	2.4	0.1	76.9	2.4
Iowa	17.2	0.5	0.0	3.3	0.2	77.1	1.7
Kansas	17.5	0.6	0.0	2.1	0.2	77.0	2.4
Kentucky	17.5	0.5	0.1	2.2	0.1	76.5	3.3
Louisiana	19.4	0.8	0.1	1.4	0.4	74.1	3.8
Maine	18.3	1.0	0.1	1.9	0.1	77.0	1.5
Maryland	16.5	0.2	0.1	2.4	0.4	78.8	1.5
Massachusetts	16.3	0.5	0.2	2.2	0.1	79.0	1.7
Michigan	17.2	0.6	0.1	2.5	0.3	77.0	2.4
Minnesota	16.5	0.8	0.1	2.8	0.3	78.2	1.3
Mississippi	17.7	0.4	0.1	1.6	0.2	75.7	4.3
Missouri	17.0	0.4	0.1	2.2	0.2	77.5	2.6
Montana	15.6	0.6	0.1	2.0	0.3	80.5	1.0
Nebraska	17.3	0.7	0.1	1.7	0.1	78.3	1.8
Nevada	17.8	0.2	0.1	3.1	0.1	77.2	1.5
New Hampshire	18.2	0.5	0.0	1.8	0.0	77.6	1.7
New Jersey	15.9	1.3	0.8	2.3	0.3	77.6	1.7
New Mexico	18.2	0.6	0.1	2.2	0.3	76.5	2.2
New York	15.7	1.1	0.6	2.5	0.3	78.2	1.7

State	Distribution of the Dollar Value of EBT Benefit Redemption						
	Super- markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Internet Retailer	Other Type
North Carolina	19.9	0.3	0.0	1.4	0.1	76.2	1.9
North Dakota	16.6	0.8	0.1	1.3	0.3	79.4	1.5
Ohio	17.7	0.5	0.1	2.3	0.1	76.5	2.9
Oklahoma	16.3	0.3	0.0	2.7	0.1	77.3	3.3
Oregon	17.5	0.5	0.1	2.6	0.7	77.5	1.1
Pennsylvania	16.4	0.6	0.5	2.6	0.2	77.7	2.1
Rhode Island	16.0	1.1	0.2	2.4	0.1	78.2	2.1
South Carolina	19.3	0.3	0.0	1.6	0.3	76.0	2.5
South Dakota	16.8	0.9	0.1	1.9	0.3	78.2	1.8
Tennessee	17.5	0.4	0.0	1.8	0.1	77.3	2.8
Texas	19.0	0.5	0.0	1.7	0.1	76.4	2.1
Utah	18.9	0.4	0.1	2.5	0.4	76.9	0.8
Vermont	17.5	0.7	0.2	1.8	0.0	77.5	2.2
Virginia	18.6	0.3	0.0	2.3	0.2	76.7	1.9
Virgin Islands	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Washington	17.0	0.5	0.1	1.9	0.6	78.9	1.0
West Virginia	16.5	0.3	0.1	2.8	0.1	77.3	2.9
Wisconsin	17.3	0.6	0.1	3.3	0.2	76.6	1.9
Wyoming	17.1	0.5	0.0	2.3	0.4	78.4	1.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Statistics calculated for months in which a household spent least 50 percent of their total monthly redemptions at internet retailers. FNS classifies stores into 25 types, which were collapsed into the 7 categories shown in the table. Specialty food stores include bakeries and bread stores, fruit and vegetable markets, meat and poultry markets, and seafood markets. Other stores include groceries in combination with other stores, delivery routes, farmers markets, nonprofit food buying cooperatives, wholesalers, and others.

n.a. = not applicable (State did not offer online SNAP benefit redemption during FY 2022).

Table B.5. Average Monthly Number of EBT Purchase Transactions per Household, Total and By Store Type, FY 2022

State	Average Monthly Number of Transactions per Household by Store Type							
	Total	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
Total U.S.	10.9	6.2	0.5	0.2	2.2	0.1	0.4	1.3
Alabama	11.6	6.5	0.4	0.0	1.9	0.1	0.4	2.3
Alaska	11.1	6.1	0.4	0.1	3.1	0.0	0.0	1.3
Arizona	11.7	6.9	0.3	0.0	2.8	0.0	0.4	1.2
Arkansas	7.8	4.5	0.2	0.0	1.1	0.0	0.3	1.6
California	10.1	6.1	0.6	0.1	1.8	0.1	0.3	1.2
Colorado	10.9	6.8	0.3	0.0	2.5	0.1	0.4	0.8
Connecticut	10.7	6.8	0.4	0.2	1.8	0.0	0.3	1.2
Delaware	12.4	6.1	0.2	0.2	3.6	0.2	0.4	1.6
District of Columbia	11.1	6.1	0.2	0.2	2.9	0.2	0.6	0.9
Florida	7.7	5.0	0.2	0.0	1.1	0.0	0.4	0.9
Georgia	11.4	6.6	0.3	0.0	2.1	0.1	0.6	1.7
Guam	17.6	6.6	6.6	2.3	1.5	0.3	0.0	0.3
Hawaii	15.5	8.8	0.7	0.3	3.6	0.3	0.1	1.8
Idaho	7.5	5.0	0.2	0.0	1.3	0.1	0.3	0.5
Illinois	12.3	6.6	0.7	0.2	2.8	0.1	0.5	1.5
Indiana	10.1	5.3	0.4	0.1	2.6	0.0	0.4	1.4
Iowa	9.9	5.3	0.3	0.0	2.8	0.0	0.3	1.0
Kansas	12.9	7.0	0.5	0.0	3.0	0.1	0.5	1.8
Kentucky	9.8	5.2	0.3	0.0	2.2	0.0	0.3	1.8
Louisiana	10.8	6.1	0.5	0.1	1.6	0.1	0.2	2.2
Maine	11.1	6.5	0.7	0.1	2.2	0.0	0.4	1.2
Maryland	8.9	5.3	0.2	0.1	2.0	0.1	0.4	0.9
Massachusetts	10.1	6.0	0.5	0.2	1.9	0.0	0.3	1.0
Michigan	11.6	5.8	0.4	0.1	3.2	0.2	0.4	1.5
Minnesota	9.5	5.5	0.7	0.1	2.2	0.1	0.3	0.7
Mississippi	8.7	4.7	0.2	0.0	1.5	0.0	0.2	2.0
Missouri	9.3	5.0	0.3	0.1	2.2	0.0	0.4	1.4
Montana	8.4	5.4	0.4	0.1	1.9	0.1	0.1	0.6
Nebraska	8.3	5.0	0.5	0.1	1.4	0.0	0.3	1.0
Nevada	11.9	6.8	0.2	0.1	3.2	0.0	0.5	1.2
New Hampshire	10.4	6.4	0.3	0.0	2.1	0.0	0.4	1.1
New Jersey	11.3	6.1	1.1	0.8	1.8	0.2	0.4	1.1
New Mexico	11.3	6.6	0.3	0.1	2.4	0.1	0.4	1.4

State	Average Monthly Number of Transactions per Household by Store Type							
	Total	Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
New York	12.5	6.4	1.2	0.7	2.5	0.3	0.3	1.1
North Carolina	12.2	7.6	0.2	0.0	2.1	0.1	0.6	1.6
North Dakota	7.7	4.8	0.4	0.1	1.1	0.1	0.2	0.9
Ohio	11.7	6.2	0.4	0.1	2.7	0.0	0.4	1.9
Oklahoma	11.9	5.6	0.2	0.0	3.5	0.0	0.5	2.1
Oregon	12.5	7.4	0.4	0.1	3.2	0.2	0.4	0.9
Pennsylvania	11.1	5.9	0.4	0.5	2.5	0.1	0.4	1.3
Rhode Island	11.0	6.1	1.0	0.2	2.0	0.0	0.3	1.3
South Carolina	10.6	6.3	0.2	0.0	1.8	0.1	0.4	1.7
South Dakota	9.7	5.2	0.7	0.2	2.0	0.1	0.2	1.4
Tennessee	8.8	4.8	0.2	0.0	1.9	0.0	0.3	1.5
Texas	12.1	7.4	0.4	0.1	2.0	0.0	0.7	1.5
Utah	12.2	7.5	0.3	0.0	3.1	0.1	0.5	0.6
Vermont	11.3	6.3	0.6	0.1	2.3	0.0	0.3	1.7
Virginia	11.8	6.9	0.3	0.0	2.6	0.1	0.5	1.4
Virgin Islands	10.8	7.3	0.9	0.5	1.6	0.1	0.0	0.3
Washington	10.3	6.7	0.4	0.1	2.0	0.1	0.3	0.6
West Virginia	10.2	5.0	0.2	0.1	2.8	0.0	0.3	1.8
Wisconsin	12.2	6.4	0.4	0.1	3.5	0.0	0.5	1.2
Wyoming	9.7	6.0	0.2	0.0	2.2	0.1	0.4	0.8

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: FNS classifies stores into 25 types, which were collapsed into the 7 categories shown in the table. Specialty food stores include bakeries and bread stores, fruit and vegetable markets, meat and poultry markets, and seafood markets. Other stores include groceries in combination with other stores, delivery routes, farmers markets, nonprofit food buying cooperatives, wholesalers, and others.

Table B.6. Average EBT Purchase Amount per Transaction, Overall and By Store Type, FY 2022

State	Overall	Average EBT Purchase Amount by Store Type (\$)						
		Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
Total U.S.	39.08	53.20	31.79	16.51	10.26	39.49	62.70	18.28
Alabama	38.01	52.03	38.59	27.42	9.43	38.51	63.11	17.32
Alaska	56.64	63.71	65.56	51.83	34.75	61.32	n.a.	72.79
Arizona	36.57	50.08	32.71	23.31	9.06	35.91	59.13	16.50
Arkansas	37.90	50.87	34.91	18.86	9.52	35.47	66.11	16.55
California	38.05	50.27	28.58	19.80	10.16	32.70	56.76	17.85
Colorado	38.98	50.49	39.05	27.19	10.62	29.87	63.52	17.32
Connecticut	41.43	54.30	30.67	13.97	10.73	47.75	60.34	16.89
Delaware	37.57	58.40	37.32	16.12	10.34	44.94	58.50	16.10
District of Columbia	42.03	58.71	30.89	13.19	10.66	60.83	73.79	14.75
Florida	39.66	50.14	32.07	19.55	9.02	41.08	59.18	15.37
Georgia	41.32	55.37	42.21	27.58	9.62	52.61	63.60	16.67
Guam	38.56	67.36	22.38	16.69	14.10	21.17	n.a.	61.59
Hawaii	45.64	63.39	31.57	20.31	14.38	28.40	68.74	31.86
Idaho	38.02	46.11	33.52	33.65	9.64	28.63	63.06	18.38
Illinois	36.97	51.84	30.79	22.15	10.44	41.16	61.67	18.50
Indiana	39.93	59.26	41.92	28.34	9.05	45.77	63.31	17.14
Iowa	36.07	51.06	40.03	33.94	10.01	44.02	63.85	18.69
Kansas	36.15	50.65	33.78	42.75	8.71	42.96	64.30	17.54
Kentucky	39.70	57.79	40.48	27.20	9.88	42.47	66.58	19.04
Louisiana	39.61	55.60	27.05	18.76	10.19	40.78	68.41	17.67
Maine	40.14	53.09	34.01	25.26	11.23	32.80	58.83	21.52
Maryland	43.07	58.52	42.58	16.21	10.37	56.25	63.00	18.34
Massachusetts	42.52	57.10	30.79	16.63	10.81	45.32	62.38	21.10
Michigan	38.73	57.86	37.82	19.67	9.07	44.80	63.10	21.55
Minnesota	41.43	54.36	45.04	28.19	11.87	46.48	63.20	21.11
Mississippi	36.83	52.45	34.85	21.33	9.21	38.53	61.47	18.07
Missouri	36.44	51.78	36.51	20.22	8.92	39.23	61.25	17.50
Montana	38.89	50.27	27.14	18.66	11.77	33.65	70.26	25.99
Nebraska	38.07	49.20	35.15	31.47	9.65	56.74	60.29	16.67
Nevada	37.58	52.88	33.13	19.47	9.60	36.55	58.97	14.98
New Hampshire	43.77	58.72	33.77	30.68	10.72	39.92	57.91	17.46
New Jersey	43.78	62.96	27.78	13.89	12.00	40.24	67.20	18.36
New Mexico	39.19	53.33	32.21	19.89	10.62	39.16	67.33	17.12
New York	34.84	48.43	25.86	13.39	11.86	36.73	65.79	22.34

State	Overall	Average EBT Purchase Amount by Store Type (\$)						
		Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Internet Retailer	Other Type
North Carolina	39.05	50.38	40.33	23.79	8.75	44.04	62.34	15.94
North Dakota	42.05	51.83	41.35	22.30	12.50	36.45	57.90	25.51
Ohio	38.85	56.97	40.46	17.10	9.68	52.26	61.17	17.18
Oklahoma	35.19	55.07	37.18	23.65	9.02	53.39	68.14	18.03
Oregon	36.07	48.22	31.73	20.05	10.38	31.53	59.81	21.50
Pennsylvania	38.96	56.43	34.91	12.58	11.09	39.77	63.93	18.10
Rhode Island	38.19	53.99	27.93	16.48	10.15	36.26	52.40	16.22
South Carolina	40.71	54.70	44.06	28.56	9.19	58.71	59.97	16.83
South Dakota	39.96	54.32	36.53	24.39	12.73	44.61	65.77	24.01
Tennessee	38.76	55.80	39.90	18.64	9.34	40.39	64.27	17.34
Texas	43.38	56.26	31.65	21.03	10.09	41.01	66.77	16.96
Utah	39.09	50.75	42.99	44.77	10.41	30.30	62.08	23.02
Vermont	42.08	58.02	32.59	32.32	12.09	63.26	64.79	23.33
Virginia	38.65	52.20	40.14	27.11	9.40	42.54	63.00	17.29
Virgin Islands	56.05	73.66	22.71	17.39	14.37	33.63	n.a.	23.87
Washington	39.67	48.96	37.26	28.43	11.34	32.88	59.63	22.35
West Virginia	37.37	56.90	34.05	21.59	10.59	41.93	64.86	19.82
Wisconsin	38.18	54.97	38.60	16.01	10.66	42.90	64.78	21.88
Wyoming	39.99	52.27	31.36	25.93	10.88	31.61	68.18	18.83

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: FNS classifies stores into 25 types, which were collapsed into the 7 categories shown in the table. Specialty food stores include bakeries and bread stores, fruit and vegetable markets, meat and poultry markets, and seafood markets. Other stores include groceries in combination with other stores, delivery routes, farmers markets, nonprofit food buying cooperatives, wholesalers, and others.

Table B.7. Average Number of Stores Accessed per Household per Month, and Distribution of Households by Number of Stores, FY 2022

State	Average Monthly Number of Stores per Household	Number of Stores per Household per Month (Percentage of Households)						
		One	Two	Three	Four	Five	Six to Nine	Ten or More
Total U.S.	5.0	14.3	14.1	14.0	12.6	10.6	23.7	10.8
Alabama	5.2	12.4	12.5	13.5	12.9	11.2	26.0	11.4
Alaska	3.7	20.7	22.2	17.0	12.2	8.6	14.8	4.4
Arizona	5.4	13.8	13.3	13.0	11.7	10.0	24.2	14.0
Arkansas	3.6	24.2	19.7	16.0	12.1	8.8	15.2	4.0
California	5.0	14.5	13.9	13.8	12.5	10.6	23.9	10.9
Colorado	4.7	16.2	15.6	14.6	12.3	9.9	21.2	10.2
Connecticut	4.8	11.6	13.9	15.1	14.2	11.9	25.1	8.2
Delaware	5.7	11.4	11.9	12.4	11.7	10.4	26.4	15.8
District of Columbia	5.5	8.6	11.7	13.8	13.6	12.0	27.9	12.5
Florida	4.0	20.3	18.6	16.0	12.6	9.3	16.9	6.3
Georgia	5.4	12.2	12.7	13.2	12.4	10.7	25.7	13.2
Guam	7.2	11.7	8.0	8.0	8.2	8.3	28.0	28.0
Hawaii	6.4	10.2	9.6	10.3	10.4	9.9	28.6	21.0
Idaho	3.4	25.8	21.0	16.3	11.8	8.2	13.3	3.5
Illinois	5.7	10.4	10.8	12.1	12.1	11.0	28.4	15.1
Indiana	4.8	18.0	14.7	13.5	11.8	9.6	21.8	10.5
Iowa	4.3	19.2	17.1	15.1	12.2	9.5	19.2	7.6
Kansas	5.1	12.0	14.4	14.9	13.2	10.8	23.5	11.2
Kentucky	4.3	20.5	15.6	14.1	12.0	9.8	20.4	7.6
Louisiana	5.0	14.8	12.8	13.2	12.6	10.9	25.2	10.6
Maine	4.1	15.0	18.6	17.9	14.4	10.5	18.4	5.2
Maryland	4.5	15.4	15.6	15.3	13.3	10.7	22.0	7.8
Massachusetts	4.6	13.7	15.0	15.5	13.9	11.3	22.9	7.6
Michigan	5.4	13.3	13.2	13.1	11.9	10.1	24.2	14.2
Minnesota	4.3	19.4	16.5	14.8	12.2	9.6	19.7	7.8
Mississippi	4.2	18.2	16.8	15.4	13.0	10.3	20.4	6.0
Missouri	4.5	15.8	16.9	15.5	12.8	10.0	20.4	8.6
Montana	3.4	24.2	22.1	17.6	12.6	8.2	12.3	3.1
Nebraska	3.8	21.8	19.0	16.0	12.4	9.1	16.5	5.2
Nevada	5.4	12.4	13.4	13.6	12.3	10.4	24.1	13.8
New Hampshire	4.1	15.3	18.4	17.6	14.4	10.7	18.7	4.9
New Jersey	5.0	11.0	13.3	14.7	13.9	11.9	25.7	9.5
New Mexico	5.1	12.3	13.1	13.8	13.0	11.1	25.5	11.1
New York	5.1	13.3	13.1	13.5	12.6	10.9	25.4	11.3

State	Average Monthly Number of Stores per Household	Number of Stores per Household per Month (Percentage of Households)						
		One	Two	Three	Four	Five	Six to Nine	Ten or More
North Carolina	5.4	10.4	11.9	13.4	13.1	11.6	27.3	12.3
North Dakota	3.2	23.8	22.6	18.2	12.9	8.6	11.8	2.1
Ohio	5.3	13.4	13.0	13.2	12.2	10.4	24.9	13.0
Oklahoma	5.1	16.5	13.9	13.1	11.6	9.7	22.7	12.5
Oregon	5.2	11.1	13.4	14.4	13.4	11.3	25.2	11.2
Pennsylvania	4.9	13.4	14.1	14.4	13.1	10.9	24.1	9.9
Rhode Island	5.2	10.6	12.6	14.1	13.7	11.9	26.5	10.6
South Carolina	5.1	13.4	12.5	13.5	13.0	11.2	25.8	10.7
South Dakota	3.8	19.8	19.7	17.2	13.3	9.6	15.8	4.6
Tennessee	4.4	20.0	16.3	14.2	11.8	9.4	19.9	8.3
Texas	5.3	12.3	12.5	13.2	12.5	10.8	25.8	12.9
Utah	5.0	14.5	14.4	14.0	12.4	10.2	23.1	11.5
Vermont	4.1	16.8	16.9	16.4	13.9	10.8	20.2	5.1
Virginia	5.3	12.8	12.9	13.5	12.6	10.8	25.2	12.4
Virgin Islands	4.1	11.3	16.1	18.8	16.8	13.1	20.4	3.5
Washington	4.7	13.2	14.8	15.4	13.8	11.3	23.2	8.3
West Virginia	4.3	18.2	16.1	15.4	13.2	10.4	20.3	6.5
Wisconsin	5.4	11.7	13.6	13.8	12.4	10.4	24.6	13.6
Wyoming	3.5	22.4	21.2	17.4	12.8	8.9	14.1	3.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.8. Percentage of Households Redeeming Benefits Exclusively at Different Store Types, FY 2022

State	Average Monthly Number of Households	Percentage Never Shopping at Supermarkets/ Super stores	Percentage of Households Shopping Exclusively at:			
			Super-markets/ Super stores	Grocery Stores ^a	Convenience Stores	Internet Retailers
Total U.S.	27,243,028	6.0	32.0	0.5	1.0	1.6
Alabama	516,933	6.2	24.1	0.4	0.8	1.4
Alaska	46,827	18.6	39.3	1.3	5.2	0.0
Arizona	450,988	4.7	32.9	0.2	1.0	1.6
Arkansas	176,597	8.6	34.4	0.7	0.8	2.1
California	4,221,423	5.7	36.9	0.7	1.1	1.5
Colorado	359,209	5.2	38.8	0.4	1.3	1.7
Connecticut	246,196	3.9	37.1	0.3	0.5	1.5
Delaware	70,193	5.1	25.5	0.2	1.1	1.3
District of Columbia	89,956	4.8	25.5	0.2	0.9	1.8
Florida	1,788,293	6.1	45.8	0.4	0.8	2.3
Georgia	945,176	5.1	29.4	0.3	0.6	1.7
Guam	22,890	10.8	11.5	7.1	0.9	0.0
Hawaii	118,480	4.5	23.4	0.4	1.5	0.2
Idaho	77,234	6.0	47.8	0.7	1.0	2.5
Illinois	1,202,725	6.6	25.2	0.5	1.1	1.4
Indiana	398,623	7.5	29.8	0.7	1.7	1.7
Iowa	165,144	7.6	32.6	0.6	2.0	1.8
Kansas	112,246	6.0	25.5	0.5	0.6	1.7
Kentucky	343,559	7.8	30.9	0.5	1.2	1.8
Louisiana	582,742	5.9	27.3	0.5	0.9	0.6
Maine	100,769	5.3	35.0	0.8	0.6	1.2
Maryland	599,164	6.3	37.0	0.4	1.5	1.9
Massachusetts	680,089	5.5	35.5	0.5	0.6	1.5
Michigan	843,821	5.9	27.1	0.4	1.1	1.3
Minnesota	276,788	8.0	33.0	1.6	2.0	1.7
Mississippi	285,698	7.5	27.8	0.5	1.0	1.1
Missouri	346,311	6.8	29.1	0.5	0.9	1.9
Montana	46,552	5.9	44.0	1.3	1.2	0.5
Nebraska	88,837	7.8	37.6	1.4	0.9	2.1
Nevada	318,778	5.0	35.7	0.2	1.1	1.7
New Hampshire	41,307	4.5	40.3	0.3	0.8	1.5
New Jersey	498,082	5.6	30.0	1.1	0.6	1.3
New Mexico	324,644	5.6	27.9	0.3	1.1	1.5
New York	2,021,576	7.6	26.9	1.0	1.0	1.5

State	Average Monthly Number of Households	Percentage Never Shopping at Supermarkets/ Super stores	Percentage of Households Shopping Exclusively at:			
			Super-markets/ Super stores	Grocery Stores ^a	Convenience Stores	Internet Retailers
North Carolina	922,633	3.9	30.4	0.2	0.5	1.7
North Dakota	27,603	8.3	40.9	1.7	1.0	1.7
Ohio	889,698	5.7	27.8	0.4	1.0	1.4
Oklahoma	458,653	8.5	24.8	0.3	1.6	2.1
Oregon	430,440	4.0	29.6	0.2	0.8	1.3
Pennsylvania	1,196,390	6.8	29.2	0.7	1.2	1.6
Rhode Island	93,218	5.3	29.3	1.0	0.6	1.1
South Carolina	406,997	5.4	28.5	0.3	1.1	1.4
South Dakota	38,473	9.4	29.9	1.5	1.0	1.3
Tennessee	533,821	7.9	31.6	0.6	1.5	1.6
Texas	1,910,667	4.9	29.9	0.2	0.5	2.4
Utah	92,614	4.8	35.2	0.4	1.1	1.9
Vermont	29,814	6.3	32.8	0.8	0.7	1.2
Virginia	514,205	4.8	31.9	0.3	0.7	1.9
Virgin Islands	13,822	2.1	46.7	0.7	0.5	0.0
Washington	602,539	4.4	35.2	0.5	1.0	1.5
West Virginia	230,429	8.3	28.5	0.3	1.7	1.7
Wisconsin	424,462	5.8	26.9	0.3	1.1	1.6
Wyoming	18,698	6.5	39.0	0.6	1.3	2.1

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

^aGrocery stores include large, medium, and small grocery stores.

Table B.9. Distribution of Households by Percentage of Redemption at Supermarkets/Super Stores, FY 2022

State	Percentage of Benefits Redeemed at Supermarkets/Super stores (Percentage of Households)					
	Zero	1-25%	26-50%	51-75%	76-99%	100%
Total U.S.	6.0	3.8	7.2	15.1	35.5	32.4
Alabama	6.2	3.9	8.0	17.4	40.0	24.5
Alaska	18.6	2.8	3.8	8.0	27.1	39.6
Arizona	4.7	3.3	6.1	13.8	38.7	33.4
Arkansas	8.5	3.6	6.5	13.7	32.9	34.7
California	5.6	3.7	6.7	13.8	32.9	37.2
Colorado	5.1	3.5	6.2	12.6	33.4	39.2
Connecticut	3.9	2.7	5.6	12.8	37.3	37.6
Delaware	5.0	3.4	8.0	18.8	38.9	25.8
District of Columbia	4.7	4.2	8.0	16.8	40.2	26.1
Florida	6.1	2.9	5.4	11.0	28.4	46.2
Georgia	5.1	3.7	7.5	16.1	37.6	29.9
Guam	10.8	6.3	14.4	27.9	29.1	11.6
Hawaii	4.5	4.1	8.2	18.1	41.2	23.8
Idaho	5.9	3.0	5.0	10.4	27.7	48.0
Illinois	6.5	4.9	8.7	17.1	37.1	25.7
Indiana	7.4	3.5	7.0	15.4	36.4	30.2
Iowa	7.5	4.0	7.6	15.1	32.8	32.9
Kansas	6.0	4.5	8.0	16.5	39.1	25.9
Kentucky	7.8	3.5	7.1	15.3	35.1	31.3
Louisiana	5.9	3.1	7.1	16.7	39.5	27.7
Maine	5.3	4.4	7.7	14.4	32.8	35.4
Maryland	6.3	3.3	6.3	13.4	33.4	37.4
Massachusetts	5.5	3.2	6.1	13.4	35.9	35.9
Michigan	5.8	4.0	8.4	17.9	36.4	27.5
Minnesota	7.9	4.1	8.3	15.7	30.6	33.3
Mississippi	7.4	3.7	7.6	16.4	36.8	28.1
Missouri	6.8	4.3	7.6	15.7	36.2	29.4
Montana	5.8	2.8	5.1	11.3	30.7	44.3
Nebraska	7.8	3.9	7.0	13.4	30.0	37.9
Nevada	5.0	3.9	6.3	12.9	35.6	36.2
New Hampshire	4.5	3.1	5.8	12.0	33.8	40.7
New Jersey	5.5	4.0	7.8	16.3	35.9	30.4
New Mexico	5.6	3.6	6.9	15.5	40.0	28.3
New York	7.6	6.0	10.0	17.6	31.6	27.2
North Carolina	3.8	3.0	6.2	14.5	41.4	31.0

State	Percentage of Benefits Redeemed at Supermarkets/Super stores (Percentage of Households)					
	Zero	1-25%	26-50%	51-75%	76-99%	100%
North Dakota	8.3	3.7	6.7	12.9	27.4	41.1
Ohio	5.7	3.7	7.7	16.5	38.2	28.2
Oklahoma	8.5	5.1	8.9	17.2	35.1	25.2
Oregon	3.9	3.7	7.1	15.9	39.4	29.9
Pennsylvania	6.8	4.3	8.2	16.4	34.7	29.5
Rhode Island	5.2	3.6	7.4	16.4	37.7	29.7
South Carolina	5.4	2.8	6.3	15.3	41.2	29.0
South Dakota	9.4	4.5	8.5	16.4	31.1	30.1
Tennessee	7.8	3.4	6.8	14.7	35.2	32.0
Texas	4.9	3.4	6.4	14.6	40.2	30.5
Utah	4.8	3.7	6.9	14.0	35.0	35.6
Vermont	6.3	4.4	8.1	15.2	32.8	33.1
Virginia	4.7	3.5	6.9	15.0	37.4	32.4
Virgin Islands	2.1	1.4	3.0	8.9	37.3	47.3
Washington	4.4	3.4	6.1	13.7	36.9	35.5
West Virginia	8.3	4.4	8.2	16.4	33.9	28.8
Wisconsin	5.7	4.7	8.8	17.3	36.2	27.2
Wyoming	6.4	3.3	5.4	11.6	33.9	39.4

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.9a. Distribution of Households by Percentage of Redemption Online, FY 2022

State	Percentage of Benefits Redeemed Online (Percentage of Households)					
	Zero	1-25%	26-50%	51-75%	76-99%	100%
Total U.S.	88.5	4.4	2.6	1.7	1.2	1.6
Alabama	87.3	5.2	3.1	1.9	1.2	1.4
Alaska	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Arizona	88.7	4.4	2.5	1.7	1.2	1.6
Arkansas	89.6	3.1	2.2	1.7	1.3	2.1
California	91.5	3.2	1.8	1.2	0.8	1.5
Colorado	88.1	4.1	2.7	1.9	1.4	1.7
Connecticut	89.6	4.5	2.2	1.3	0.9	1.4
Delaware	88.7	5.4	2.3	1.3	0.8	1.3
District of Columbia	81.9	6.9	4.6	2.9	1.9	1.8
Florida	88.5	3.7	2.5	1.8	1.3	2.3
Georgia	84.3	6.6	3.7	2.2	1.5	1.7
Guam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii	96.3	2.3	0.7	0.3	0.1	0.2
Idaho	90.0	2.6	2.0	1.6	1.3	2.4
Illinois	87.0	5.5	3.1	1.9	1.2	1.4
Indiana	88.4	4.5	2.6	1.7	1.2	1.6
Iowa	89.5	3.4	2.3	1.7	1.2	1.8
Kansas	86.5	5.0	3.1	2.1	1.5	1.7
Kentucky	89.7	3.8	2.2	1.5	1.0	1.8
Louisiana	94.0	2.3	1.5	1.0	0.6	0.6
Maine	90.5	3.7	2.1	1.5	1.0	1.2
Maryland	87.3	4.9	2.8	1.8	1.3	1.8
Massachusetts	90.1	4.0	2.1	1.4	1.0	1.5
Michigan	89.3	4.6	2.4	1.5	1.0	1.3
Minnesota	90.1	3.4	2.2	1.5	1.1	1.7
Mississippi	91.5	3.3	2.0	1.3	0.8	1.1
Missouri	87.5	4.2	2.8	2.0	1.5	1.9
Montana	97.2	0.9	0.6	0.5	0.4	0.5
Nebraska	89.9	2.8	2.2	1.7	1.3	2.1
Nevada	87.1	4.8	2.9	2.0	1.4	1.7
New Hampshire	88.2	5.1	2.5	1.6	1.1	1.5
New Jersey	89.3	4.6	2.4	1.5	1.0	1.3
New Mexico	88.1	4.1	3.0	2.0	1.3	1.5
New York	90.0	3.9	2.2	1.4	1.0	1.4
North Carolina	84.8	6.4	3.6	2.2	1.4	1.7
North Dakota	92.5	2.2	1.5	1.2	0.9	1.6

State	Percentage of Benefits Redeemed Online (Percentage of Households)					
	Zero	1-25%	26-50%	51-75%	76-99%	100%
Ohio	88.8	4.7	2.5	1.6	1.1	1.4
Oklahoma	86.6	4.4	3.1	2.2	1.6	2.1
Oregon	89.9	4.2	2.2	1.5	1.0	1.3
Pennsylvania	88.3	4.6	2.6	1.7	1.2	1.6
Rhode Island	91.0	3.9	1.9	1.2	0.8	1.1
South Carolina	87.9	5.1	2.9	1.7	1.1	1.3
South Dakota	93.0	2.2	1.5	1.1	0.9	1.3
Tennessee	90.2	3.5	2.2	1.5	1.1	1.6
Texas	81.4	7.1	4.4	2.8	1.9	2.4
Utah	87.0	4.8	2.9	2.0	1.4	1.9
Vermont	90.8	4.5	1.8	1.0	0.7	1.2
Virginia	85.4	5.7	3.4	2.2	1.5	1.9
Virgin Islands	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Washington	90.3	3.6	2.1	1.5	1.1	1.4
West Virginia	89.8	3.4	2.3	1.6	1.2	1.7
Wisconsin	86.7	5.2	3.1	2.0	1.3	1.6
Wyoming	88.8	3.4	2.4	1.8	1.4	2.1

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

n.a. = not applicable (State did not offer online SNAP benefit redemption during FY 2022).

Table B.10. Total Monthly EBT Redemption per Household, and Distribution of Households by Total Monthly Amount, FY 2022

State	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households)											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	422.67	4.6	2.9	4.9	5.0	5.8	10.2	10.1	12.0	6.8	4.6	4.9	28.2
Alabama	439.33	4.9	2.4	4.5	4.4	5.0	11.1	11.2	10.9	7.7	3.4	4.3	30.1
Alaska	625.41	3.1	3.6	4.9	4.1	4.3	4.3	5.0	14.0	4.2	4.0	4.4	44.1
Arizona	427.61	5.5	3.1	5.2	5.3	5.8	12.7	9.7	9.6	4.8	3.8	5.0	29.6
Arkansas	296.07	9.9	7.5	12.6	9.3	7.5	11.7	8.0	3.7	3.4	3.1	4.8	18.5
California	382.42	4.6	3.0	5.7	5.6	6.2	9.1	9.7	13.0	8.1	5.8	5.0	24.2
Colorado	422.75	4.8	3.0	5.1	4.7	5.2	9.9	10.1	12.6	7.3	4.3	4.8	28.1
Connecticut	443.71	2.3	1.5	2.7	2.9	3.8	8.1	10.2	21.7	8.2	4.9	5.2	28.4
Delaware	463.91	3.3	2.2	4.1	4.5	6.5	8.7	9.5	9.7	7.6	5.8	4.5	33.4
District of Columbia	466.59	2.0	1.2	2.1	2.5	3.5	10.2	13.6	18.5	6.6	3.9	6.4	29.3
Florida	306.29	8.2	4.8	8.5	9.9	10.9	14.8	8.9	5.1	4.7	3.3	3.9	16.9
Georgia	473.61	4.3	2.6	5.1	5.6	6.4	10.0	9.6	8.1	6.4	4.8	4.6	32.4
Guam	679.01	7.5	3.3	4.4	3.4	3.0	2.9	2.7	3.1	5.7	7.7	9.8	46.5
Hawaii	708.49	3.5	2.2	4.0	3.1	3.0	4.4	2.5	2.7	3.3	4.7	11.5	55.1
Idaho	283.01	7.2	5.9	11.7	11.5	10.2	12.8	8.0	4.5	4.7	3.1	4.3	16.0
Illinois	453.84	3.6	1.9	3.3	3.5	4.6	8.6	10.6	15.0	7.9	5.4	4.7	31.1
Indiana	404.77	7.4	4.6	6.0	5.2	5.5	10.1	9.2	9.0	6.3	3.7	4.4	28.5
Iowa	358.33	7.5	4.6	7.0	7.0	7.4	13.1	10.1	8.0	4.3	3.3	4.8	23.0
Kansas	465.92	2.6	1.5	3.8	4.1	5.7	10.5	11.7	12.0	6.6	4.5	4.2	32.7
Kentucky	389.08	7.2	5.5	7.7	6.1	5.8	11.1	9.1	7.3	4.6	3.2	5.1	27.1
Louisiana	426.94	7.1	3.2	5.1	4.0	5.4	10.5	10.5	10.8	5.1	3.1	5.1	30.1
Maine	446.24	2.0	1.4	2.9	3.2	4.7	11.1	12.4	15.9	8.2	4.9	5.4	27.9
Maryland	383.96	4.6	2.6	4.7	4.9	8.3	12.8	11.3	10.8	6.4	4.1	5.2	24.1
Massachusetts	427.42	2.0	1.4	3.0	3.1	4.9	8.6	11.0	20.2	8.9	4.6	5.3	26.8
Michigan	447.46	3.8	2.4	4.1	4.6	5.3	9.3	10.6	13.6	8.0	4.9	4.6	28.8

Appendix B Redemption Patterns by State

State	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households)											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Minnesota	395.15	6.3	4.2	6.6	5.5	5.8	10.6	9.8	11.9	5.6	4.8	4.8	24.1
Mississippi	318.48	8.4	5.5	10.1	8.9	7.0	11.7	8.8	5.6	5.4	3.3	5.0	20.1
Missouri	339.87	5.0	3.9	8.3	10.0	9.7	14.5	9.1	4.5	3.9	3.8	5.3	22.0
Montana	325.95	7.1	5.1	8.3	8.4	9.6	16.7	9.4	3.9	3.6	3.2	4.9	19.6
Nebraska	315.02	7.4	5.4	8.7	9.0	9.0	15.4	8.9	4.3	4.0	3.5	5.2	19.2
Nevada	445.23	3.3	2.1	4.5	4.5	5.4	10.4	10.3	15.0	6.7	4.4	4.8	28.7
New Hampshire	454.98	2.4	1.5	2.7	3.1	5.1	11.9	12.3	14.7	6.3	3.8	6.0	30.4
New Jersey	495.80	2.5	1.4	2.3	2.4	3.0	9.8	11.4	16.0	5.7	3.7	7.4	34.6
New Mexico	441.83	4.2	2.5	3.9	3.9	4.7	8.7	9.6	13.7	7.0	4.8	5.1	31.7
New York	434.73	2.9	2.0	3.8	3.8	4.6	7.6	9.6	18.2	9.2	5.7	5.0	27.5
North Carolina	475.92	3.3	1.9	3.4	3.8	5.3	8.7	10.1	10.9	7.7	5.3	4.6	34.9
North Dakota	324.11	5.5	4.3	8.0	8.6	10.2	17.9	9.6	4.3	5.0	3.0	5.0	18.4
Ohio	455.07	4.0	2.6	4.0	4.3	6.8	9.2	10.4	11.0	7.3	5.0	4.0	31.1
Oklahoma	417.84	6.0	3.5	5.7	4.9	4.9	10.3	9.7	12.0	6.9	3.3	4.4	28.3
Oregon	448.33	2.2	1.5	2.8	3.3	4.3	9.2	10.5	19.7	7.6	4.9	5.2	28.6
Pennsylvania	433.24	3.8	2.4	4.0	4.1	5.2	9.4	10.9	13.9	7.7	5.1	4.7	28.8
Rhode Island	418.92	2.8	1.6	2.4	2.5	3.3	9.7	13.0	23.8	7.0	3.5	5.9	24.5
South Carolina	431.57	5.9	2.7	4.0	3.7	4.4	11.5	10.9	10.6	5.5	3.6	5.0	32.0
South Dakota	391.04	4.2	3.0	7.2	7.1	8.9	17.4	10.3	4.5	4.3	3.4	5.3	24.5
Tennessee	341.00	8.2	6.0	8.9	7.7	7.1	12.6	9.2	6.0	4.1	3.3	4.8	22.2
Texas	525.71	3.7	2.3	3.4	3.3	4.0	10.0	10.3	8.5	5.2	3.6	5.1	40.3
Utah	478.26	3.8	2.6	4.6	4.6	5.7	8.7	9.6	9.8	7.5	5.4	4.1	33.6
Vermont	476.97	3.0	2.2	4.3	3.8	4.2	6.5	7.7	16.1	6.5	4.5	5.3	36.0
Virginia	455.50	4.1	2.0	3.6	3.4	4.3	11.0	11.2	12.7	5.8	3.7	5.7	32.4
Virgin Islands	603.54	2.5	1.8	3.0	3.0	3.2	4.0	5.1	8.8	7.9	11.8	5.0	43.9
Washington	407.30	3.5	2.0	3.3	3.4	4.3	11.1	12.1	18.2	7.6	4.3	5.2	24.9

State	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households)											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-\$250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
West Virginia	380.21	6.4	3.4	5.3	4.2	4.4	12.6	11.4	12.3	5.7	3.5	6.5	24.2
Wisconsin	465.10	2.4	1.7	3.5	4.3	6.0	10.1	11.0	12.9	7.3	5.2	4.6	30.9
Wyoming	387.97	5.8	4.4	6.6	6.7	6.6	11.6	9.3	8.4	5.4	3.3	5.2	26.8

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.10a. Total Monthly EBT Redemption per Household, and Distribution of Households by Total Monthly Amount in \$100 increments, FY 2022

State	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households)											
		<\$26	\$26-100	\$101-200	\$201-300	\$301-400	\$401-500	\$501-600	\$601-700	\$701-800	\$801-900	\$901-\$1,000	>\$1,000
Total U.S.	422.67	4.6	7.8	10.8	20.2	18.9	9.5	6.6	5.1	3.9	3.3	2.7	6.6
Alabama	439.33	4.9	6.9	9.4	22.3	18.6	7.7	5.7	5.2	4.2	3.9	3.2	8.0
Alaska	625.41	3.1	8.4	8.4	9.3	18.2	8.4	8.6	4.9	4.5	4.6	3.2	18.5
Arizona	427.61	5.5	8.3	11.1	22.4	14.4	8.8	5.6	5.4	3.9	3.9	3.2	7.6
Arkansas	296.07	9.9	20.0	16.8	19.7	7.1	7.9	4.0	5.0	2.3	2.7	1.6	3.0
California	382.42	4.6	8.8	11.8	18.7	21.1	10.8	7.1	4.8	3.5	2.8	2.0	4.0
Colorado	422.75	4.8	8.1	9.9	20.1	19.9	9.1	6.5	4.8	3.8	3.3	2.8	6.9
Connecticut	443.71	2.3	4.2	6.7	18.4	29.9	10.1	7.4	5.0	4.2	3.3	2.8	5.7
Delaware	463.91	3.3	6.4	11.1	18.2	17.3	10.3	7.3	5.7	4.8	3.9	3.1	8.7
District of Columbia	466.59	2.0	3.3	6.0	23.8	25.1	10.4	6.7	5.8	3.4	3.6	2.6	7.1
Florida	306.29	8.2	13.4	20.8	23.7	9.8	7.2	4.0	3.7	2.3	2.0	1.3	3.5
Georgia	473.61	4.3	7.7	12.0	19.7	14.5	9.4	6.3	5.4	4.1	3.7	2.9	10.1
Guam	679.01	7.5	7.7	6.4	5.7	8.7	17.5	4.4	5.0	5.8	2.2	3.8	25.2
Hawaii	708.49	3.5	6.2	6.1	6.9	5.9	16.2	16.5	5.5	3.3	5.0	3.8	21.1
Idaho	283.01	7.2	17.7	21.7	20.8	9.2	7.4	3.8	4.5	2.2	2.3	1.3	1.9
Illinois	453.84	3.6	5.2	8.0	19.1	22.9	10.1	7.5	5.2	4.5	3.5	3.0	7.5
Indiana	404.77	7.4	10.6	10.7	19.3	15.3	8.1	5.9	5.1	4.1	3.7	3.1	6.7
Iowa	358.33	7.5	11.6	14.4	23.2	12.2	8.1	4.9	4.8	3.0	3.1	2.4	4.8
Kansas	465.92	2.6	5.4	9.8	22.1	18.5	8.7	6.9	5.1	4.9	3.8	3.5	8.6
Kentucky	389.08	7.2	13.2	11.9	20.3	11.9	8.4	5.5	5.2	3.7	3.6	2.8	6.3
Louisiana	426.94	7.1	8.3	9.3	21.0	15.9	8.2	6.1	5.5	4.2	3.9	3.3	7.1
Maine	446.24	2.0	4.3	7.9	23.5	24.1	10.3	6.7	4.5	3.8	3.0	2.8	7.2
Maryland	383.96	4.6	7.3	13.2	24.1	17.2	9.4	6.2	4.9	3.5	3.0	2.2	4.5
Massachusetts	427.42	2.0	4.4	8.0	19.6	29.1	9.9	7.4	4.9	4.1	3.1	2.4	5.0

Appendix B Redemption Patterns by State

State	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households)											
		<\$26	\$26-100	\$101-200	\$201-300	\$301-400	\$401-500	\$501-600	\$601-700	\$701-800	\$801-900	\$901-\$1,000	>\$1,000
Michigan	447.46	3.8	6.5	9.9	19.9	21.6	9.5	6.5	4.5	3.7	3.1	2.7	8.3
Minnesota	395.15	6.3	10.8	11.3	20.3	17.5	9.6	4.9	4.2	3.0	2.9	2.3	6.9
Mississippi	318.48	8.4	15.6	15.9	20.5	11.1	8.4	4.6	5.3	2.8	2.9	1.8	2.8
Missouri	339.87	5.0	12.3	19.7	23.6	8.4	9.0	4.8	5.8	2.9	3.2	1.9	3.3
Montana	325.95	7.1	13.4	18.0	26.2	7.5	8.1	4.0	4.8	2.5	2.9	1.8	3.7
Nebraska	315.02	7.4	14.1	18.0	24.3	8.2	8.7	4.2	5.2	2.5	2.8	1.7	2.8
Nevada	445.23	3.3	6.6	9.9	20.7	21.6	9.2	6.4	4.6	4.0	3.2	2.8	7.8
New Hampshire	454.98	2.4	4.1	8.1	24.2	21.0	9.7	6.2	5.9	3.8	4.0	3.0	7.3
New Jersey	495.80	2.5	3.6	5.4	21.1	21.7	11.1	7.4	6.5	4.3	4.3	3.3	8.8
New Mexico	441.83	4.2	6.5	8.6	18.3	20.7	10.0	7.6	5.8	4.7	3.8	3.2	6.5
New York	434.73	2.9	5.8	8.4	17.2	27.3	10.8	7.7	4.8	3.9	2.9	2.3	6.0
North Carolina	475.92	3.3	5.4	9.0	18.8	18.6	10.0	7.8	5.8	5.2	4.0	3.3	8.7
North Dakota	324.11	5.5	12.3	18.8	27.6	9.3	8.0	3.6	5.0	2.2	2.8	1.8	3.2
Ohio	455.07	4.0	6.6	11.1	19.7	18.3	9.1	6.4	4.8	4.3	3.5	3.1	8.9
Oklahoma	417.84	6.0	9.2	9.9	20.0	18.9	7.6	6.0	4.5	4.1	3.4	3.2	7.0
Oregon	448.33	2.2	4.3	7.6	19.8	27.3	10.2	7.5	4.7	4.1	3.1	2.7	6.5
Pennsylvania	433.24	3.8	6.3	9.3	20.3	21.6	9.8	7.1	4.9	4.2	3.2	2.8	6.6
Rhode Island	418.92	2.8	4.0	5.8	22.8	30.8	9.3	6.3	4.5	3.4	3.0	2.5	4.7
South Carolina	431.57	5.9	6.7	8.2	22.5	16.1	8.7	7.1	5.8	5.1	4.2	3.7	6.2
South Dakota	391.04	4.2	10.2	16.0	27.6	8.8	8.7	4.2	5.5	3.0	3.3	2.2	6.3
Tennessee	341.00	8.2	14.9	14.8	21.7	10.1	8.2	4.8	5.0	3.0	3.0	2.1	4.4
Texas	525.71	3.7	5.7	7.4	20.3	13.7	8.8	7.0	6.3	5.5	5.0	4.3	12.3
Utah	478.26	3.8	7.1	10.3	18.3	17.3	9.5	6.6	5.2	4.5	3.8	3.1	10.4
Vermont	476.97	3.0	6.6	8.0	14.1	22.6	9.7	9.0	5.8	5.4	4.3	3.5	8.0
Virginia	455.50	4.1	5.6	7.7	22.2	18.5	9.4	7.2	5.6	4.7	4.0	3.5	7.5
Virgin Islands	603.54	2.5	4.8	6.2	9.1	16.7	16.8	8.0	7.2	4.2	4.2	4.0	16.4

State	Monthly Household Redemption (\$)	Total Monthly EBT Redemption (Percentage of Households)											
		<\$26	\$26-100	\$101-200	\$201-300	\$301-400	\$401-500	\$501-600	\$601-700	\$701-800	\$801-900	\$901-\$1,000	>\$1,000
Washington	407.30	3.5	5.3	7.7	23.2	25.8	9.5	6.6	4.7	3.5	3.0	2.5	4.6
West Virginia	380.21	6.4	8.6	8.6	24.0	18.1	10.0	5.9	4.9	3.5	3.3	2.8	3.8
Wisconsin	465.10	2.4	5.2	10.3	21.1	20.2	9.8	6.7	4.9	4.1	3.4	2.9	8.9
Wyoming	387.97	5.8	11.0	13.2	20.9	13.8	8.4	5.7	5.6	3.7	3.7	2.9	5.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.11. Average Number of EBT Transactions per Month, for Households Grouped by Total Monthly Redemption, FY 2022

State	Average Number of EBT Purchase Transactions												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	10.9	1.4	2.2	3.2	4.6	6.0	7.8	9.1	11.0	11.1	11.8	12.3	17.9
Alabama	11.6	1.4	2.2	3.5	4.7	6.2	8.2	9.2	10.7	10.6	12.3	13.2	19.5
Alaska	11.1	1.3	1.9	2.8	3.8	4.9	6.0	7.1	9.2	8.9	9.5	10.2	16.7
Arizona	11.7	1.5	2.4	3.6	5.2	6.8	9.0	9.8	11.4	11.6	12.5	12.8	19.3
Arkansas	7.8	1.5	2.4	3.4	4.6	5.8	7.5	8.3	9.0	9.7	10.8	11.7	16.8
California	10.1	1.3	2.0	3.1	4.4	5.9	7.6	9.1	11.4	11.2	11.8	12.0	16.1
Colorado	10.9	1.4	2.1	3.1	4.4	5.9	8.0	9.0	11.4	10.8	11.9	12.4	18.0
Connecticut	10.7	1.3	1.9	2.8	4.0	5.4	7.2	8.6	10.7	10.1	10.4	11.2	16.0
Delaware	12.4	1.4	2.2	3.5	5.1	6.7	8.2	10.0	11.3	12.2	12.8	13.0	19.3
District of Columbia	11.1	1.4	2.3	3.5	5.0	6.6	7.9	8.7	10.3	11.0	11.8	11.5	16.3
Florida	7.7	1.5	2.3	3.3	4.6	5.8	6.9	8.0	8.6	8.9	10.1	10.6	16.1
Georgia	11.4	1.4	2.2	3.4	4.7	6.3	7.8	9.1	10.3	11.0	11.6	12.1	18.5
Guam	17.6	1.4	2.3	3.6	4.9	6.2	7.3	8.6	10.2	12.4	13.3	16.2	27.5
Hawaii	15.5	1.3	2.1	3.4	4.5	5.7	6.5	8.2	9.7	11.1	12.7	14.6	21.2
Idaho	7.5	1.4	2.2	3.3	4.6	5.8	7.8	8.4	8.4	8.8	10.4	11.6	15.5
Illinois	12.3	1.4	2.4	3.6	5.0	6.7	8.2	9.8	11.5	12.4	12.5	13.0	18.8
Indiana	10.1	1.4	2.2	3.1	4.6	6.1	7.6	8.6	9.7	10.4	11.4	12.2	18.1
Iowa	9.9	1.5	2.4	3.5	4.9	6.3	8.4	9.3	10.4	10.8	11.8	12.8	18.3
Kansas	12.9	1.4	2.4	3.7	5.1	6.8	8.4	9.9	11.9	12.3	12.7	13.4	20.2
Kentucky	9.8	1.4	2.1	3.0	4.4	5.7	7.4	8.4	9.4	10.2	11.4	12.3	18.4
Louisiana	10.8	1.4	2.2	3.0	4.4	5.8	8.2	9.1	10.6	10.8	11.8	12.7	18.2
Maine	11.1	1.3	2.0	2.9	4.3	5.8	7.7	8.8	10.4	10.7	11.4	12.0	17.6
Maryland	8.9	1.4	2.1	3.1	4.4	5.6	7.0	8.2	9.2	9.8	10.6	10.7	14.7
Massachusetts	10.1	1.3	2.0	2.9	4.1	5.3	7.1	8.4	9.8	10.1	10.6	11.1	15.2
Michigan	11.6	1.4	2.2	3.2	4.6	6.1	7.8	9.3	10.9	11.2	12.2	12.8	19.2

Appendix B Redemption Patterns by State

State	Average Number of EBT Purchase Transactions												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Minnesota	9.5	1.3	2.0	3.0	4.2	5.6	7.4	8.4	10.1	10.3	10.5	11.8	17.5
Mississippi	8.7	1.5	2.4	3.5	4.8	6.1	7.8	8.7	9.7	10.0	11.4	12.1	16.9
Missouri	9.3	1.6	2.5	3.7	5.1	6.4	8.1	9.2	9.8	10.4	11.4	12.2	17.2
Montana	8.4	1.5	2.2	3.2	4.5	5.8	7.8	8.4	8.6	9.3	10.5	11.8	16.6
Nebraska	8.3	1.5	2.3	3.4	4.8	6.0	8.0	8.6	8.7	9.4	10.5	11.5	16.0
Nevada	11.9	1.4	2.2	3.5	4.9	6.4	8.4	9.6	13.0	11.7	11.9	12.5	18.7
New Hampshire	10.4	1.3	2.1	3.0	4.2	5.4	7.6	8.4	9.7	9.7	10.5	11.1	16.0
New Jersey	11.3	1.3	2.1	3.1	4.4	5.8	7.6	8.5	9.9	9.9	10.5	11.1	16.9
New Mexico	11.3	1.4	2.2	3.3	4.7	6.1	7.9	9.1	11.0	11.2	11.8	12.4	17.4
New York	12.5	1.4	2.2	3.3	4.7	6.3	8.1	10.1	12.2	12.8	13.3	14.0	19.5
North Carolina	12.2	1.3	2.1	3.3	4.9	6.7	8.2	9.7	10.9	11.7	12.3	12.7	18.4
North Dakota	7.7	1.4	2.0	3.0	4.2	5.5	7.2	7.6	7.6	8.3	9.8	10.9	15.3
Ohio	11.7	1.4	2.1	3.3	4.8	6.2	7.9	9.5	10.8	11.5	12.2	12.6	19.3
Oklahoma	11.9	1.4	2.3	3.2	4.4	5.9	8.6	9.6	12.8	11.3	13.3	14.2	20.7
Oregon	12.5	1.3	2.1	3.2	4.7	6.2	8.4	9.7	13.2	12.4	12.7	13.0	18.2
Pennsylvania	11.1	1.4	2.2	3.3	4.7	6.2	7.8	9.3	10.9	11.1	11.6	12.2	17.7
Rhode Island	11.0	1.3	2.0	3.1	4.4	5.8	8.1	9.2	10.8	10.2	10.8	12.0	17.1
South Carolina	10.6	1.3	2.2	3.2	4.4	5.9	7.7	8.6	9.9	10.3	11.2	12.1	17.1
South Dakota	9.7	1.5	2.2	3.2	4.4	5.9	7.5	8.4	8.9	9.6	10.5	11.7	18.4
Tennessee	8.8	1.5	2.3	3.3	4.6	5.9	7.6	8.6	9.4	10.0	11.1	11.8	17.1
Texas	12.1	1.3	2.0	2.9	4.3	5.8	7.7	8.6	9.8	10.2	11.1	11.9	18.6
Utah	12.2	1.4	2.1	3.4	4.8	6.4	7.9	9.9	11.4	12.2	13.0	12.9	19.2
Vermont	11.3	1.3	1.8	2.8	3.7	5.0	7.2	8.8	11.7	10.3	10.8	12.0	16.7
Virginia	11.8	1.3	2.0	2.9	4.4	6.0	8.3	9.4	11.6	11.0	11.8	12.8	18.5
Virgin Islands	10.8	1.3	1.8	2.6	3.6	4.7	6.0	7.0	8.1	9.2	10.8	10.5	15.0
Washington	10.3	1.3	2.1	3.1	4.4	5.8	7.6	8.7	10.5	10.7	11.2	11.6	16.0

State	Average Number of EBT Purchase Transactions												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
West Virginia	10.2	1.4	2.1	2.9	4.1	5.6	7.9	8.7	10.9	10.3	11.3	12.7	18.1
Wisconsin	12.2	1.4	2.3	3.4	5.0	6.5	8.2	9.6	11.5	11.8	12.3	12.7	19.1
Wyoming	9.7	1.4	2.1	3.1	4.2	5.5	7.6	8.3	9.6	9.4	10.6	12.1	17.3

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.12. Average Purchase Amount per Transaction, for Households Grouped by Total Monthly Redemption, FY 2022

State	Average EBT Purchase Amount (\$)												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	39.08	8.77	17.51	23.60	27.59	29.50	30.15	30.20	30.58	34.28	36.44	38.68	47.97
Alabama	38.01	7.68	16.72	22.64	26.98	28.86	28.82	29.61	30.98	36.09	34.71	35.67	44.81
Alaska	56.64	9.81	19.17	26.80	32.83	35.82	37.62	39.02	35.38	42.07	44.72	47.19	66.13
Arizona	36.57	8.45	15.91	21.07	24.54	26.09	26.16	27.38	29.06	32.21	34.27	36.56	45.40
Arkansas	37.90	9.40	16.87	22.14	27.18	30.16	31.42	32.22	36.14	38.74	39.58	40.02	47.78
California	38.05	9.10	18.49	24.55	28.65	30.26	30.34	30.42	29.32	34.06	36.52	39.79	48.61
Colorado	38.98	8.63	17.76	24.12	28.36	30.07	29.37	30.26	29.42	35.08	35.87	37.95	47.89
Connecticut	41.43	8.95	19.66	27.12	31.43	32.56	32.46	31.93	31.30	36.66	40.95	42.22	51.66
Delaware	37.57	8.34	17.28	22.02	24.91	26.78	28.01	27.51	29.12	30.90	33.47	36.49	45.09
District of Columbia	42.03	7.68	16.20	22.00	25.36	27.02	29.92	30.84	32.67	33.89	36.15	41.30	54.31
Florida	39.66	10.10	16.64	22.75	27.20	30.13	33.70	33.78	37.75	42.10	42.33	44.25	50.70
Georgia	41.32	8.69	16.94	22.92	26.80	27.99	29.58	29.99	32.02	34.40	36.99	39.40	50.16
Guam	38.56	7.80	16.09	21.03	25.54	28.31	31.00	32.13	32.26	30.38	32.35	29.01	42.19
Hawaii	45.64	8.67	17.98	23.32	27.89	31.33	35.12	33.55	33.78	33.91	33.87	32.55	50.07
Idaho	38.02	9.97	17.49	23.27	27.22	30.13	30.10	32.42	39.25	43.41	41.08	40.41	49.21
Illinois	36.97	7.74	15.74	21.49	25.16	26.50	28.09	27.99	28.83	30.06	34.00	36.38	45.35
Indiana	39.93	8.27	17.48	23.79	27.34	29.20	30.82	31.68	34.45	36.84	37.57	38.66	47.20
Iowa	36.07	8.63	15.84	21.56	25.83	28.18	28.00	29.01	31.55	34.66	36.12	36.51	45.22
Kansas	36.15	7.54	15.86	21.25	24.61	26.11	27.45	27.49	27.68	30.31	33.46	35.27	43.23
Kentucky	39.70	8.65	18.72	25.11	29.04	30.95	31.90	32.27	35.40	37.78	37.55	38.21	46.53
Louisiana	39.61	8.49	17.47	24.66	28.88	30.91	28.97	29.69	31.38	34.75	36.27	37.08	47.68
Maine	40.14	8.99	19.43	26.66	29.56	30.40	30.18	31.03	32.05	35.01	37.51	39.44	49.33
Maryland	43.07	8.55	17.66	24.45	28.87	32.49	33.34	32.95	36.10	38.16	40.36	43.95	54.97
Massachusetts	42.52	9.89	19.51	26.95	30.87	33.93	32.76	32.57	34.23	37.03	40.10	42.64	53.28

Appendix B Redemption Patterns by State

State	Average EBT Purchase Amount (\$)												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Michigan	38.73	8.17	17.49	23.85	27.85	28.87	29.59	29.52	30.35	33.72	34.88	37.08	47.11
Minnesota	41.43	8.95	19.19	25.75	29.68	31.41	31.30	32.45	32.73	36.23	41.41	40.17	51.58
Mississippi	36.83	8.77	15.93	21.44	25.91	28.69	30.25	30.93	33.75	37.49	37.62	38.93	46.00
Missouri	36.44	8.97	15.39	20.62	24.77	27.36	28.67	29.35	33.08	36.01	37.40	38.33	46.01
Montana	38.89	10.37	17.68	23.56	28.18	30.17	30.17	31.77	37.63	40.50	40.65	39.77	49.45
Nebraska	38.07	9.74	16.76	22.20	26.32	29.10	29.28	31.00	37.43	40.03	40.51	40.65	49.11
Nevada	37.58	8.29	17.31	22.53	26.10	27.86	27.78	28.58	25.95	32.33	36.10	38.04	47.81
New Hampshire	43.77	8.49	18.39	25.53	30.37	33.09	31.01	32.38	34.39	38.75	40.66	42.38	53.95
New Jersey	43.78	8.27	18.06	24.52	28.72	30.81	31.29	32.02	33.92	37.65	40.55	42.13	52.18
New Mexico	39.19	8.10	17.08	23.01	26.98	28.82	29.60	30.03	30.17	33.55	36.00	38.26	47.52
New York	34.84	8.47	17.25	23.09	26.66	27.98	28.53	27.26	27.29	29.27	32.03	33.89	43.10
North Carolina	39.05	8.39	17.72	23.25	25.83	26.58	28.03	28.39	30.09	32.08	34.54	37.27	46.93
North Dakota	42.05	10.03	19.21	25.15	30.05	32.49	32.64	35.19	42.85	46.38	43.63	43.03	53.26
Ohio	38.85	8.42	17.77	23.22	26.55	29.17	29.24	29.04	30.45	32.66	34.98	37.52	46.71
Oklahoma	35.19	7.92	16.69	23.39	28.25	29.99	27.46	28.15	26.33	33.56	32.12	33.00	41.89
Oregon	36.07	8.88	17.71	23.61	27.12	28.38	27.81	28.24	25.39	30.12	33.72	36.22	46.58
Pennsylvania	38.96	8.20	16.82	23.00	26.93	28.36	29.59	29.54	30.35	33.61	36.62	38.88	48.05
Rhode Island	38.19	8.52	18.41	24.81	28.87	30.86	29.22	29.68	31.09	36.45	39.30	39.03	47.98
South Carolina	40.71	7.58	17.20	23.87	28.58	30.18	30.79	31.44	33.55	36.40	37.92	38.82	48.17
South Dakota	39.96	9.06	17.65	23.44	28.82	29.91	31.13	31.77	36.70	39.37	40.84	40.20	47.97
Tennessee	38.76	8.85	16.76	22.55	27.36	29.69	30.93	31.43	34.96	38.54	38.60	39.69	48.24
Texas	43.38	8.35	19.08	25.63	29.17	30.48	30.65	31.51	33.71	36.89	38.33	39.47	49.49
Utah	39.09	8.58	18.16	22.67	26.57	27.69	28.99	27.87	28.82	30.89	32.91	36.64	47.67
Vermont	42.08	9.33	21.59	28.06	34.26	35.62	32.27	31.38	28.58	36.34	39.89	39.52	50.36
Virginia	38.65	8.80	18.62	25.95	29.22	29.62	28.24	28.96	28.87	34.40	36.29	36.74	46.39

Appendix B Redemption Patterns by State

State	Average EBT Purchase Amount (\$)												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Virgin Islands	56.05	9.55	20.55	29.88	35.24	37.95	38.32	39.98	40.48	40.92	39.28	45.52	66.58
Washington	39.67	8.75	18.28	24.36	28.69	30.41	30.75	31.34	31.61	35.13	37.99	40.63	50.55
West Virginia	37.37	9.05	18.36	26.10	30.69	31.99	30.15	31.12	30.86	37.19	37.89	36.67	44.05
Wisconsin	38.18	8.32	16.74	22.28	25.61	27.08	28.29	28.40	28.77	31.72	34.68	37.18	47.06
Wyoming	39.99	9.12	18.00	24.51	30.01	32.43	31.01	32.51	34.37	40.15	40.35	38.71	47.48

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.13. Average Percentage of Benefits Redeemed at Supermarkets/Super Stores, for Households Grouped by Total Monthly Redemption, FY 2022

State	Average Percentage of Benefits Redeemed at Supermarkets/Super Stores ^a												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	78.0	65.2	72.5	76.2	78.6	79.6	79.0	79.0	75.9	78.9	79.1	79.5	77.8
Alabama	76.5	58.1	67.5	71.3	75.0	76.8	77.7	78.1	76.0	77.7	77.2	77.2	76.1
Alaska	62.6	63.8	74.4	75.2	77.9	77.8	76.5	78.7	81.3	76.4	75.2	61.1	58.7
Arizona	81.0	71.9	76.7	79.7	80.9	81.3	79.7	80.7	79.6	81.9	82.0	82.8	81.3
Arkansas	77.7	68.8	73.4	77.1	78.5	78.8	77.5	77.4	78.1	78.6	77.9	77.9	77.7
California	80.2	65.9	73.2	77.0	79.8	80.5	79.8	79.9	76.4	80.1	80.7	81.6	81.2
Colorado	80.7	70.6	77.2	80.2	82.1	82.8	81.3	81.8	78.7	82.2	81.7	81.7	80.4
Connecticut	82.6	69.7	77.2	80.3	82.2	83.4	83.5	83.5	80.6	83.8	84.5	84.5	82.6
Delaware	77.3	60.2	69.0	72.4	75.0	77.1	78.2	77.3	77.1	77.2	77.9	78.5	77.3
District of Columbia	76.9	60.1	68.2	72.3	74.9	76.9	79.2	79.4	77.0	78.1	77.7	77.2	76.2
Florida	81.7	74.8	78.2	81.0	83.0	83.8	83.3	83.4	83.9	83.7	83.1	82.3	79.9
Georgia	77.6	67.3	73.9	77.0	78.9	79.5	79.1	78.7	78.4	78.7	78.9	78.9	76.9
Guam	65.6	32.5	47.3	55.9	59.9	61.8	64.7	66.2	67.0	67.0	66.7	64.0	66.2
Hawaii	78.4	59.7	68.0	71.4	75.3	77.0	78.3	78.4	78.5	78.3	77.9	75.5	78.8
Idaho	82.1	77.9	80.4	82.9	83.3	83.3	82.3	82.6	83.5	83.3	82.8	82.3	81.0
Illinois	75.1	57.5	66.4	71.2	74.8	76.2	75.5	75.2	71.8	75.4	76.4	77.1	75.4
Indiana	77.6	61.8	70.9	75.1	77.3	78.4	78.8	79.0	78.4	78.7	78.6	78.6	76.9
Iowa	76.4	64.7	70.7	75.1	77.6	78.6	77.2	77.7	77.0	78.0	77.8	77.5	75.6
Kansas	76.2	62.2	69.1	71.8	74.9	75.9	75.8	76.3	75.1	76.2	76.9	77.0	76.4
Kentucky	76.7	64.7	73.2	76.5	78.0	78.6	76.1	78.0	76.3	78.0	78.0	77.4	76.3
Louisiana	79.1	61.7	71.3	76.2	78.3	79.5	79.0	78.9	77.0	79.2	79.8	79.9	79.4
Maine	77.5	65.9	73.8	76.1	78.2	79.6	78.8	79.3	76.3	79.0	79.7	79.1	76.8
Maryland	80.3	62.4	70.9	75.8	78.4	80.5	80.3	81.0	80.1	81.0	81.2	81.1	80.2

Appendix B Redemption Patterns by State

State	Average Percentage of Benefits Redeemed at Supermarkets/Super Stores ^a												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Massachusetts	80.6	66.6	70.9	75.5	78.9	81.0	80.7	80.7	76.8	80.4	81.5	82.4	81.6
Michigan	75.8	60.7	70.0	73.8	76.0	77.1	77.1	77.2	75.3	77.2	76.9	77.0	75.2
Minnesota	75.0	61.9	69.3	72.9	75.5	77.1	77.3	77.6	75.3	77.0	77.3	76.6	73.8
Mississippi	76.9	62.9	70.2	75.0	77.1	77.8	77.0	77.1	77.0	77.7	77.2	77.0	76.8
Missouri	76.5	65.6	71.3	75.1	77.2	77.4	76.0	76.2	77.1	77.0	77.0	77.0	76.3
Montana	82.9	74.8	78.8	80.5	82.8	83.3	80.7	81.8	83.9	84.2	83.9	82.3	83.6
Nebraska	77.4	70.4	73.6	76.0	77.7	78.4	77.0	77.9	79.1	78.8	79.1	78.5	76.8
Nevada	80.7	69.5	76.8	77.4	80.1	81.0	80.2	80.9	75.3	81.0	82.5	83.0	81.5
New Hampshire	82.2	65.1	74.0	78.0	80.9	83.0	82.5	83.0	81.8	83.7	83.6	83.2	81.8
New Jersey	77.0	59.4	67.7	73.1	75.8	77.6	78.1	78.5	76.1	79.0	79.5	79.4	76.4
New Mexico	79.0	59.4	68.8	73.9	77.0	78.7	79.3	79.4	76.8	79.3	80.0	80.4	79.3
New York	71.3	59.9	68.0	71.3	73.9	75.0	72.9	74.0	67.1	73.8	73.0	74.4	70.9
North Carolina	80.8	70.0	76.2	78.5	80.6	81.8	82.4	82.3	81.1	81.6	81.7	82.1	80.3
North Dakota	77.4	69.9	73.9	77.0	78.5	79.5	76.7	77.6	79.5	79.4	78.6	77.5	76.6
Ohio	77.5	61.7	71.2	74.3	76.6	78.4	78.3	78.0	77.3	77.9	78.2	78.4	77.2
Oklahoma	73.3	56.1	66.5	72.2	74.8	75.5	73.6	74.1	69.5	74.7	73.4	73.8	73.5
Oregon	79.3	68.3	74.5	78.2	79.9	80.8	80.0	80.2	75.3	79.7	80.6	81.1	79.9
Pennsylvania	76.2	55.7	65.5	70.9	74.4	76.3	76.7	77.0	74.7	77.1	77.7	77.9	76.2
Rhode Island	78.3	57.5	67.3	72.6	76.5	78.4	79.9	79.3	76.5	80.1	80.2	80.6	78.2
South Carolina	80.2	61.1	71.6	76.7	79.7	81.2	81.9	82.0	79.9	81.0	81.1	81.0	79.9
South Dakota	73.0	59.4	66.2	67.4	71.7	75.3	73.4	74.5	76.6	75.4	75.0	72.8	72.3
Tennessee	78.1	64.7	71.5	76.2	78.3	79.1	77.4	77.9	78.4	79.1	79.1	78.8	78.2
Texas	78.9	68.2	76.5	78.8	80.1	81.0	80.9	81.4	80.3	81.5	81.3	81.1	78.0
Utah	79.7	73.7	77.7	78.5	80.6	81.0	79.8	79.9	78.2	79.0	78.8	80.2	80.0
Vermont	77.1	63.5	71.8	73.8	77.7	77.6	76.8	77.0	72.4	77.3	78.0	78.2	77.8
Virginia	78.9	70.1	76.0	79.3	80.5	81.3	80.3	80.6	77.8	80.6	80.8	80.4	78.3

Appendix B Redemption Patterns by State

State	Average Percentage of Benefits Redeemed at Supermarkets/Super Stores ^a												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Virgin Islands	89.4	70.9	79.6	84.8	87.9	88.7	89.9	89.8	89.3	88.4	86.1	88.6	90.0
Washington	81.0	69.1	74.0	77.6	80.3	81.5	81.9	81.9	79.3	81.5	82.0	82.5	81.0
West Virginia	75.1	58.6	67.9	72.5	75.0	76.4	75.8	76.1	70.9	76.1	76.8	76.7	75.1
Wisconsin	75.0	59.3	68.1	72.4	75.1	76.5	76.4	76.3	74.1	76.1	76.6	76.8	74.6
Wyoming	81.0	71.4	76.5	79.7	81.4	82.4	80.8	81.5	79.9	81.4	81.6	81.3	81.1

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

^a Percentages are calculated as supermarket and super store redemption divided by total monthly redemption.

Table B.14. Percentage of Households with No Supermarket/Super Store Redemption, for Households Grouped by Total Monthly Redemption, FY 2022

State	Percentage of Households with No Supermarket/Super Store Redemption												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	6.0	36.2	19.4	12.6	8.2	6.1	5.1	4.1	4.5	3.2	2.9	2.4	1.6
Alabama	6.2	42.9	22.4	14.3	9.2	6.4	4.9	3.7	3.8	3.2	2.8	2.4	1.3
Alaska	18.6	39.7	20.3	17.5	14.6	14.1	14.2	11.4	5.9	14.0	15.1	29.3	22.8
Arizona	4.7	28.5	14.6	9.4	6.3	4.7	3.8	3.2	2.7	2.3	2.0	1.7	1.0
Arkansas	8.6	31.0	17.1	11.1	7.7	6.0	4.6	4.1	3.8	3.1	3.0	2.4	1.6
California	5.7	34.9	19.4	11.8	7.4	5.5	4.6	3.8	3.7	2.9	2.5	2.1	1.3
Colorado	5.2	29.9	15.6	10.2	7.0	5.4	4.7	3.9	3.5	3.0	2.6	2.3	1.4
Connecticut	3.9	33.0	17.2	11.8	8.2	6.0	4.4	3.4	3.0	2.6	2.3	1.9	1.2
Delaware	5.1	43.1	22.6	14.9	9.2	6.0	4.2	3.4	2.8	2.5	2.0	1.9	1.0
District of Columbia	4.8	42.3	23.1	15.7	10.6	7.2	4.6	3.9	3.8	3.5	3.3	2.8	1.7
Florida	6.1	25.2	14.1	9.2	5.9	4.4	3.9	3.0	2.6	2.5	2.1	2.0	1.4
Georgia	5.1	34.3	17.6	11.5	7.4	5.3	4.4	3.7	3.3	2.8	2.6	2.3	1.5
Guam	10.8	69.8	42.1	26.5	17.9	13.1	9.3	7.3	4.9	3.7	3.3	3.0	0.7
Hawaii	4.5	40.1	23.4	14.5	8.8	6.4	4.9	4.0	3.3	2.8	2.3	2.4	1.2
Idaho	6.0	21.5	12.9	8.3	6.3	5.0	3.8	3.4	3.0	3.1	2.2	1.7	1.3
Illinois	6.6	44.7	24.3	15.8	10.1	7.5	6.7	6.0	6.2	3.8	3.6	2.9	1.7
Indiana	7.5	40.2	20.7	13.5	8.9	6.4	4.7	3.9	3.3	3.1	2.7	2.2	1.3
Iowa	7.6	35.5	19.8	13.1	8.9	6.7	5.1	4.2	3.6	3.4	3.0	2.4	1.5
Kansas	6.0	39.5	21.5	14.9	10.4	8.2	7.1	5.5	4.5	4.1	3.7	3.5	1.9
Kentucky	7.8	37.3	19.3	13.2	9.2	7.0	7.0	4.2	4.9	3.5	2.9	2.4	1.3
Louisiana	5.9	39.9	19.6	11.8	7.4	5.0	3.1	2.6	2.5	2.1	1.7	1.3	0.7
Maine	5.3	36.7	20.3	14.4	10.2	7.3	5.9	5.0	4.7	3.9	3.4	3.0	1.9
Maryland	6.3	39.3	21.2	13.5	8.8	6.1	5.4	3.9	3.6	3.1	2.8	2.5	1.7

State	Percentage of Households with No Supermarket/Super Store Redemption												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Massachusetts	5.5	34.9	23.4	15.3	9.8	6.8	6.5	5.0	6.3	3.4	2.8	2.3	1.5
Michigan	5.9	41.7	22.2	14.7	9.7	6.9	5.4	4.2	3.9	3.2	2.9	2.4	1.4
Minnesota	8.0	38.2	23.2	15.3	10.3	7.6	5.8	5.0	4.2	3.9	3.5	2.8	1.5
Mississippi	7.5	38.1	18.5	11.0	6.7	4.8	3.6	3.0	2.7	2.3	2.0	1.6	1.0
Missouri	6.8	34.9	18.2	11.7	7.7	6.0	5.0	4.2	3.7	3.3	2.8	2.4	1.7
Montana	5.9	23.8	14.1	10.5	6.7	5.1	4.0	3.3	2.6	2.3	1.9	1.7	0.9
Nebraska	7.8	28.8	18.2	12.9	9.2	6.8	5.6	4.5	4.1	3.7	2.6	2.5	1.6
Nevada	5.0	32.5	16.3	11.4	7.8	5.8	5.1	4.1	4.2	3.2	2.7	2.3	1.4
New Hampshire	4.5	38.2	20.2	13.2	9.2	6.4	4.5	4.0	3.3	3.0	2.5	2.2	1.4
New Jersey	5.6	43.8	25.4	16.6	11.6	8.3	6.1	5.1	5.2	4.0	3.4	2.7	1.9
New Mexico	5.6	41.3	21.6	13.3	8.6	6.2	4.6	3.9	3.4	3.0	2.5	2.2	1.5
New York	7.6	42.1	23.6	16.3	11.1	8.4	8.7	5.9	9.0	4.3	5.2	3.3	2.7
North Carolina	3.9	31.7	16.2	10.7	6.7	4.5	3.4	2.7	2.5	2.2	2.0	1.9	1.2
North Dakota	8.3	29.4	19.9	14.3	10.9	8.3	6.7	5.8	4.9	4.2	3.3	3.1	2.2
Ohio	5.7	40.7	20.8	13.8	9.1	6.4	5.1	4.0	3.4	3.0	2.6	2.4	1.3
Oklahoma	8.5	45.0	24.2	15.5	11.0	8.5	6.6	5.6	5.3	4.7	4.3	3.5	2.2
Oregon	4.0	32.6	17.8	11.1	7.5	5.4	4.6	3.6	3.2	2.5	2.2	2.0	1.2
Pennsylvania	6.8	46.0	25.9	16.9	11.0	7.9	6.4	4.9	4.6	3.7	3.4	3.0	1.8
Rhode Island	5.3	44.4	25.2	16.8	10.7	7.6	4.8	4.0	3.9	3.1	3.1	1.9	1.4
South Carolina	5.4	41.6	19.7	11.9	7.4	5.1	3.0	2.5	2.4	2.3	2.0	1.6	1.0
South Dakota	9.4	40.5	25.4	21.8	15.8	9.3	7.6	6.2	5.1	5.1	4.4	4.4	2.5
Tennessee	7.9	36.3	18.9	11.9	7.8	5.8	4.8	3.9	3.2	2.9	2.3	2.0	1.2
Texas	4.9	35.6	16.8	11.7	8.4	6.1	4.6	3.8	3.6	3.3	2.9	2.5	1.7
Utah	4.8	28.3	15.6	10.3	7.1	5.6	5.7	4.0	3.9	3.2	3.0	2.6	1.2
Vermont	6.3	39.5	23.2	16.3	11.2	9.4	7.4	5.7	5.2	4.6	3.8	3.8	1.8
Virginia	4.8	32.7	17.4	11.8	8.3	5.9	4.2	3.6	3.2	3.0	2.7	2.2	1.4

Appendix B Redemption Patterns by State

State	Percentage of Households with No Supermarket/Super Store Redemption												
	All Households	Households Grouped by Total Monthly Redemption											
		<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Virgin Islands	2.1	30.5	14.9	7.5	3.7	2.9	1.5	1.4	1.4	1.1	1.4	1.0	0.2
Washington	4.4	30.9	18.4	11.4	7.3	5.4	4.1	3.5	2.9	2.6	2.3	1.8	1.2
West Virginia	8.3	42.7	24.0	16.5	11.6	8.6	6.0	5.3	5.8	4.4	3.7	2.7	1.9
Wisconsin	5.8	42.8	23.2	15.4	10.4	7.7	6.1	5.0	4.4	3.8	3.4	3.0	1.8
Wyoming	6.5	30.2	16.5	11.4	8.3	6.1	4.8	4.2	4.1	4.1	3.2	2.5	1.8

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.15. EBT Transactions and Redemption at Out-of-State Retailers, FY 2022

State	Average Monthly Out-of-State EBT Redemption ^a				Households With Any Out-of-State Transactions	
	Number of Transactions		Dollars Redeemed		Percentage of All Households	Average Percentage of Dollars Redeemed Out-of-State
	Total	Percentage of Transactions	Total	Percentage of Redemption		
Total U.S.	9,744,912	3.3	412,289,037	3.6	8.1	44.5
Alabama	222,153	3.8	8,816,445	3.9	11.2	36.4
Alaska	12,840	2.5	607,036	2.1	3.5	73.4
Arizona	149,902	2.9	6,131,948	3.2	6.4	51.3
Arkansas	57,511	4.2	2,257,635	4.3	9.0	47.0
California	655,396	1.6	25,470,965	1.6	2.9	58.2
Colorado	117,570	3.0	4,533,464	3.0	5.5	57.6
Connecticut	82,513	3.1	3,621,439	3.3	7.9	41.6
Delaware	60,052	6.9	2,571,366	7.9	22.8	34.0
District of Columbia	376,498	37.7	19,368,937	46.1	73.8	60.3
Florida	286,201	2.1	10,956,164	2.0	3.4	60.4
Georgia	437,436	4.1	17,653,156	4.0	10.5	38.4
Guam	2,647	0.7	143,755	1.0	1.6	86.8
Hawaii	44,528	2.5	2,203,858	2.7	4.6	69.0
Idaho	24,679	4.4	1,035,469	4.8	9.5	49.5
Illinois	713,286	4.8	27,404,280	5.0	12.8	40.3
Indiana	145,585	3.7	6,202,577	3.9	9.4	39.3
Iowa	54,139	3.3	2,043,048	3.4	9.1	38.4
Kansas	67,601	4.7	2,601,465	4.9	13.2	37.6
Kentucky	103,137	3.1	4,581,264	3.5	9.0	36.0
Louisiana	226,788	3.6	9,396,813	3.8	8.1	45.1
Maine	29,153	2.6	1,424,233	3.2	6.0	53.4
Maryland	349,071	6.6	14,944,812	6.6	15.6	41.6
Massachusetts	305,832	4.5	15,647,405	5.4	12.8	40.4
Michigan	186,374	1.9	7,346,147	2.0	4.6	45.9
Minnesota	91,892	3.5	3,859,882	3.5	7.6	44.9
Mississippi	89,418	3.5	3,481,781	3.7	8.6	41.7
Missouri	119,153	3.7	4,676,118	4.0	9.4	40.0
Montana	11,248	2.9	506,448	3.3	5.7	55.9
Nebraska	33,989	4.6	1,384,517	4.9	10.8	42.1
Nevada	159,120	4.3	5,860,584	4.1	8.8	52.0
New Hampshire	13,913	3.2	596,893	3.2	9.7	33.4
New Jersey	216,239	3.9	10,186,089	4.1	10.3	39.7
New Mexico	295,417	8.1	12,411,573	8.7	15.1	55.1

State	Average Monthly Out-of-State EBT Redemption ^a				Households With Any Out-of-State Transactions	
	Number of Transactions		Dollars Redeemed		Percentage of All Households	Average Percentage of Dollars Redeemed Out-of-State
	Total	Percentage of Transactions	Total	Percentage of Redemption		
New York	732,567	2.9	36,351,216	4.1	8.3	50.2
North Carolina	445,208	4.0	16,696,289	3.8	10.6	37.6
North Dakota	9,737	4.6	391,647	4.3	10.2	42.2
Ohio	275,638	2.6	11,079,245	2.7	7.5	36.8
Oklahoma	196,098	3.6	8,128,814	4.3	8.8	46.5
Oregon	226,471	4.2	8,345,016	4.3	9.3	48.6
Pennsylvania	460,509	3.5	20,257,774	3.9	10.3	37.3
Rhode Island	99,836	9.8	5,428,620	13.9	31.5	42.2
South Carolina	139,742	3.3	5,887,256	3.4	9.2	37.9
South Dakota	19,593	5.2	1,157,781	7.6	14.5	45.2
Tennessee	247,018	5.2	10,863,200	5.9	12.5	45.2
Texas	315,701	1.4	12,687,327	1.3	3.2	41.3
Utah	34,731	3.1	1,487,687	3.4	7.3	45.3
Vermont	33,707	10.0	1,952,491	13.7	25.7	50.8
Virginia	188,269	3.1	7,185,456	3.1	9.0	35.9
Virgin Islands	8,882	6.0	511,804	6.1	9.1	72.1
Washington	203,864	3.3	7,818,458	3.2	7.3	46.0
West Virginia	179,305	7.8	8,631,435	10.0	20.6	46.7
Wisconsin	179,190	3.5	7,152,002	3.6	8.9	41.5
Wyoming	7,568	4.3	347,956	4.8	10.3	44.9

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

^a Table shows the percentage of transactions and redemption by in-State households at out-of-State retailers. Households may cross State boundaries when redeeming benefits.

Table B.16. Average Percentage of Benefit Issuance Redeemed by Days Since Issuance, FY 2022

State	Average Redemption (\$)	Cumulative Percentage of Benefit Issuance Redeemed by			
		Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Total U.S.	317.36	56.3	79.5	89.6	94.4
Alabama	269.66	64.2	85.9	93.7	93.4
Alaska	640.87	49.4	72.4	84.5	92.5
Arizona [‡]	457.62	50.6	73.6	87.1	94.8
Arkansas [†]	322.32	66.0	84.6	93.1	96.9
California	257.41	52.9	77.6	88.2	92.0
Colorado	310.35	57.6	81.8	91.5	95.3
Connecticut	246.39	58.9	83.0	92.5	77.1
Delaware	266.98	57.9	80.3	91.8	95.8
District of Columbia [‡]	468.97	51.3	73.6	86.4	93.8
Florida ^{d†}	310.72	57.0	78.4	89.3	96.1
Georgia	299.16	62.0	84.0	92.7	96.0
Guam	473.55	65.7	88.0	95.9	98.0
Hawaii	436.21	53.7	87.8	94.5	86.8
Idaho [†]	323.36	54.8	76.3	88.2	94.7
Illinois	248.16	60.3	81.9	94.5	96.7
Indiana [‡]	478.46	53.4	74.8	87.1	94.6
Iowa [‡]	408.70	48.6	70.9	84.6	93.1
Kansas	260.02	61.3	82.1	91.9	95.0
Kentucky [‡]	447.29	54.5	75.8	88.0	95.2
Louisiana	346.01	58.6	80.4	89.9	94.3
Maine	370.34	46.1	71.5	86.0	92.9
Maryland ^{e†}	448.36	51.2	73.1	85.6	93.2
Massachusetts	319.23	51.7	75.5	88.7	94.4
Michigan	290.01	57.7	80.8	91.1	95.5
Minnesota	365.56	49.4	73.7	86.9	94.0
Mississippi	303.74	65.7	85.0	93.1	96.7
Missouri [†]	348.84	62.6	82.0	91.1	95.8
Montana [†]	321.12	54.9	76.8	88.5	95.2
Nebraska [†]	337.49	53.7	75.8	88.0	95.2
Nevada	299.20	54.1	79.1	89.9	94.1
New Hampshire	469.77	46.4	70.9	86.1	94.8
New Jersey [‡]	517.64	44.1	67.9	83.0	93.9
New Mexico [‡]	306.65	56.7	78.3	89.3	95.4
New York	253.55	57.6	81.8	91.3	93.3
North Carolina	266.46	59.5	83.6	92.2	93.0
North Dakota [†]	339.03	52.8	74.7	86.8	94.8
Ohio	265.88	58.7	81.2	91.6	95.8

State	Average Redemption (\$)	Cumulative Percentage of Benefit Issuance Redeemed by			
		Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Oklahoma	313.02	60.3	82.9	92.2	95.5
Oregon	277.90	52.8	81.8	91.1	91.9
Pennsylvania	251.03	60.0	82.7	83.7	89.2
Rhode Island	382.80	44.8	69.7	85.1	95.0
South Carolina [‡]	482.98	52.7	75.0	87.4	94.6
South Dakota [†]	383.01	59.6	80.8	91.0	95.6
Tennessee [‡]	388.06	59.4	79.5	89.8	95.7
Texas	381.69	57.6	80.1	90.3	95.2
Utah	276.96	56.2	80.1	86.2	95.7
Vermont	265.96	58.4	88.7	88.5	91.5
Virginia	257.74	61.9	86.3	93.9	77.6
Virgin Islands	352.29	53.7	76.4	89.4	-
Washington [‡]	443.90	46.1	69.7	84.1	93.4
West Virginia	381.60	51.4	75.4	88.5	95.6
Wisconsin	267.99	54.0	78.6	89.6	93.0
Wyoming [‡]	443.80	47.4	70.1	83.9	93.1

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

^d Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^e Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.16a. Percentage of Households Reaching Benefit Balance of Less Than \$1 From Time of Issuance, FY 2022

State	Cumulative Percentage of Households Reaching Benefit Balance of Less Than \$1				Complete Benefit Exhaustion	
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Percentage of Households	Average Day After Issuance
Total U.S.	9.3	19.7	29.9	40.2	17.2	12.8
Alabama	12.3	23.1	33.6	37.6	14.4	9.9
Alaska	4.5	12.6	22.4	34.5	18.7	17.2
Arizona [‡]	7.1	16.7	28.4	41.5	24.1	16.8
Arkansas [†]	14.9	28.6	40.5	50.1	24.6	13.5
California	7.9	19.0	28.2	34.3	15.1	12.1
Colorado	6.7	16.0	25.6	35.1	13.4	12.8
Connecticut	11.2	25.3	14.5	19.3	16.2	9.2
Delaware	9.7	19.0	29.7	38.8	11.5	10.6
District of Columbia [‡]	6.0	15.6	27.9	41.0	23.8	17.5
Florida ^{d†}	13.7	27.3	39.7	52.4	36.6	15.1
Georgia	10.9	22.5	36.1	46.8	14.1	11.3
Guam	12.2	26.1	34.4	40.4	11.5	9.2
Hawaii	4.4	14.4	25.3	33.1	11.6	13.4
Idaho [†]	9.1	19.3	30.6	42.0	27.9	16.0
Illinois	12.5	20.9	35.5	45.5	15.2	9.3
Indiana [‡]	6.6	15.7	26.1	38.4	19.3	16.9
Iowa [‡]	6.8	14.8	24.3	35.1	17.5	16.3
Kansas	11.1	18.1	30.5	35.6	12.6	10.1
Kentucky [‡]	9.1	19.8	31.0	43.3	22.2	15.8
Louisiana	9.9	18.8	29.0	37.6	16.2	13.1
Maine	4.0	9.5	19.1	28.6	13.7	17.5
Maryland ^{e†}	5.9	14.5	24.9	36.9	21.4	17.4
Massachusetts	9.7	16.4	28.6	40.3	21.8	14.0
Michigan	9.6	20.7	32.1	42.6	15.4	12.5
Minnesota	5.5	13.2	23.9	34.7	15.5	16.1
Mississippi	15.3	28.4	39.4	49.0	19.8	12.4
Missouri [†]	11.0	22.7	33.4	43.8	21.3	14.8
Montana [†]	10.2	21.5	32.8	44.0	26.4	15.3
Nebraska [†]	8.6	18.9	30.4	42.8	24.2	16.2
Nevada	8.5	20.2	32.6	42.2	18.1	13.6
New Hampshire	3.7	10.5	21.5	35.3	18.9	18.8
New Jersey [‡]	3.9	10.8	21.4	35.8	18.8	18.9

State	Cumulative Percentage of Households Reaching Benefit Balance of Less Than \$1				Complete Benefit Exhaustion	
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Percentage of Households	Average Day After Issuance
New Mexico [‡]	7.5	15.9	25.9	36.4	12.7	13.0
New York	11.5	23.8	30.9	39.0	13.6	9.8
North Carolina	9.0	18.2	26.8	35.0	10.9	10.7
North Dakota [†]	8.4	18.3	28.8	40.8	24.4	16.2
Ohio	9.3	19.1	28.5	37.9	11.5	10.8
Oklahoma	7.6	18.4	29.2	37.8	10.8	12.4
Oregon	6.1	16.9	28.9	35.3	14.7	13.8
Pennsylvania	11.3	23.3	22.6	31.8	12.4	8.8
Rhode Island	4.9	12.4	24.5	41.8	23.9	18.8
South Carolina [‡]	4.5	13.3	24.2	36.7	17.2	17.7
South Dakota [†]	8.4	20.0	30.6	39.0	19.3	15.1
Tennessee [‡]	11.3	22.9	33.6	44.3	21.8	14.7
Texas	8.6	17.9	28.8	38.9	15.0	13.3
Utah	8.0	16.4	18.3	12.0	11.3	10.3
Vermont	8.6	24.0	39.2	44.3	14.2	10.0
Virginia	10.4	23.1	33.7	23.5	12.7	9.8
Virgin Islands	6.7	10.3	18.5	-	6.3	10.5
Washington [‡]	4.1	12.1	23.2	37.2	24.3	18.7
West Virginia	5.7	13.4	25.5	38.2	17.6	16.9
Wisconsin	7.7	17.1	26.0	31.9	10.5	11.1
Wyoming [‡]	5.2	12.8	22.7	35.0	19.4	17.3

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

^d Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^e Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.16b. Average Percentage of Benefit Issuance Redeemed by Days Since Issuance Among Households Who Redeem a Significant Portion of Benefits Online, FY 2022

State	Average Redemption (\$)	Cumulative Percentage of Benefit Issuance Redeemed by			
		Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Total U.S.	333.05	59.5	80.0	88.9	94.0
Alabama	286.14	67.7	86.1	93.5	94.2
Alaska	n.a.	n.a.	n.a.	n.a.	n.a.
Arizona [‡]	455.24	53.1	74.0	86.6	94.2
Arkansas [†]	381.38	66.5	83.8	92.6	96.9
California	243.76	54.9	78.7	88.0	90.4
Colorado	319.29	62.7	83.9	92.1	95.4
Connecticut	258.27	59.4	82.5	53.4	74.9
Delaware	270.11	59.5	79.8	90.3	94.8
District of Columbia [‡]	482.03	52.6	73.8	86.2	93.4
Florida ^{d†}	356.84	57.7	77.9	88.2	95.6
Georgia	326.10	63.7	83.7	90.6	95.0
Guam	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii	398.42	54.6	85.4	92.1	75.2
Idaho [†]	371.79	55.6	75.7	87.4	94.5
Illinois	255.05	64.5	81.6	93.4	97.9
Indiana [‡]	500.07	52.6	72.8	84.6	93.3
Iowa [‡]	437.13	52.9	72.9	85.3	93.3
Kansas	274.04	68.4	83.5	92.5	94.0
Kentucky [‡]	487.37	56.8	76.3	87.7	94.9
Louisiana	368.75	64.1	81.4	89.3	93.1
Maine	402.25	52.2	73.2	86.8	93.0
Maryland ^{e‡}	463.54	50.4	71.3	83.5	91.2
Massachusetts	294.54	54.9	73.1	86.2	92.6
Michigan	298.58	60.5	81.8	90.2	94.3
Minnesota	348.87	53.6	74.3	86.7	93.1
Mississippi	358.48	67.7	84.5	92.3	96.3
Missouri [†]	392.11	62.5	81.0	90.2	95.2
Montana [†]	339.00	56.7	77.1	88.5	95.8
Nebraska [†]	366.48	55.0	74.7	86.6	95.0
Nevada	306.56	59.2	82.2	91.1	94.4
New Hampshire	515.93	47.1	70.3	85.1	94.0
New Jersey [‡]	515.77	44.1	65.8	80.2	91.9
New Mexico [‡]	318.71	61.0	79.4	89.3	95.1
New York	258.95	60.3	82.7	90.6	92.1
North Carolina	282.80	63.0	84.1	91.7	91.2
North Dakota [†]	360.00	53.4	73.2	85.2	93.9

State	Average Redemption (\$)	Cumulative Percentage of Benefit Issuance Redeemed by			
		Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Ohio	277.16	62.9	82.6	91.5	94.7
Oklahoma	337.31	64.7	84.4	92.6	95.4
Oregon	292.27	56.2	82.5	91.2	92.5
Pennsylvania	277.75	62.6	83.8	84.5	85.8
Rhode Island	381.79	44.9	67.4	82.7	93.2
South Carolina [‡]	524.24	52.6	73.6	85.9	93.2
South Dakota [‡]	415.44	58.9	78.6	89.4	94.7
Tennessee [‡]	425.83	61.2	80.0	89.8	95.6
Texas	383.50	61.7	81.6	91.0	95.2
Utah	290.41	60.6	80.5	88.1	95.9
Vermont	289.42	59.1	86.3	83.7	87.1
Virginia	281.63	64.6	87.1	94.4	81.5
Virgin Islands	n.a.	n.a.	n.a.	n.a.	n.a.
Washington [‡]	459.69	47.8	69.4	83.1	92.0
West Virginia	407.73	54.4	75.5	87.7	94.9
Wisconsin	293.87	59.8	81.9	90.4	92.1
Wyoming [‡]	460.93	50.0	70.4	83.0	92.5

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis restricted to households who redeemed at least 50 percent of their issuance at internet retailers. Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

^d Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^e Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.17. Distribution of Households by Percentage of Benefit Issuance Redeemed in the First Week After Issuance, FY 2022

State	Average Monthly Number of Households	Percentage of Benefit Issuance Redeemed in First Week After Issuance (Percentage of Households)					
		<10%	10-25%	26-50%	51-75%	76-90%	>90%
Total U.S.	27,243,028	10.1	9.6	19.4	18.5	10.4	32.1
Alabama	516,933	7.0	6.5	15.0	17.8	12.0	41.5
Alaska	46,827	15.6	12.5	23.6	19.8	9.6	18.8
Arizona [†]	450,988	11.4	11.8	25.7	21.9	10.5	18.7
Arkansas [†]	176,597	9.8	5.3	15.1	20.0	14.4	35.4
California	4,221,423	12.7	9.8	18.6	16.6	8.9	33.4
Colorado	359,209	4.3	10.5	21.2	18.9	9.8	35.4
Connecticut	246,196	10.8	7.3	16.0	17.1	10.4	38.3
Delaware	70,193	9.1	8.8	17.0	17.0	10.2	37.9
District of Columbia [‡]	89,956	13.0	12.3	23.4	21.8	11.4	18.1
Florida ^{††}	1,788,293	13.8	8.8	19.3	19.6	11.4	27.0
Georgia	945,176	8.7	6.8	15.1	17.1	11.3	41.0
Guam	22,890	6.2	5.2	13.8	16.9	11.8	46.1
Hawaii	118,480	8.7	9.9	19.6	16.7	8.4	36.7
Idaho [†]	77,234	12.8	9.7	22.3	21.7	11.9	21.7
Illinois	1,202,725	8.9	7.5	15.8	16.7	10.6	40.4
Indiana [‡]	398,623	10.0	11.3	24.2	22.8	12.1	19.7
Iowa [‡]	165,144	14.3	12.4	23.6	20.2	10.4	19.2
Kansas	112,246	8.2	7.3	15.8	17.5	11.5	39.7
Kentucky [‡]	343,559	11.5	9.5	21.6	21.5	12.1	23.8
Louisiana	582,742	5.4	10.6	20.1	19.6	11.3	33.1
Maine	100,769	11.1	15.3	28.1	19.8	8.5	17.1
Maryland ^{b‡}	599,164	11.9	13.2	25.1	21.8	11.0	16.9
Massachusetts	680,089	11.5	11.9	22.4	18.3	9.1	26.9
Michigan	843,821	8.7	9.4	18.3	18.1	10.4	35.3
Minnesota	276,788	12.6	12.8	22.6	18.1	8.8	25.2
Mississippi	285,698	8.7	5.9	14.1	18.2	13.6	39.6
Missouri [†]	346,311	8.5	7.3	18.9	22.1	14.0	29.1
Montana [†]	46,552	16.3	8.5	19.3	19.7	11.6	24.7
Nebraska [†]	88,837	14.4	9.6	21.9	21.2	11.4	21.5
Nevada	318,778	12.2	9.6	18.5	17.3	9.5	32.9
New Hampshire	41,307	11.3	15.1	31.0	22.9	8.9	10.9
New Jersey [‡]	498,082	15.1	16.2	28.8	20.7	8.5	10.7
New Mexico [‡]	324,644	5.8	10.6	20.8	18.9	10.1	33.8
New York	2,021,576	10.5	8.8	17.0	16.2	9.5	38.0

State	Average Monthly Number of Households	Percentage of Benefit Issuance Redeemed in First Week After Issuance (Percentage of Households)					
		<10%	10-25%	26-50%	51-75%	76-90%	>90%
North Carolina	922,633	7.4	8.1	17.3	18.0	10.8	38.3
North Dakota [†]	27,603	16.6	9.4	20.8	20.1	11.4	21.7
Ohio	889,698	8.8	8.4	17.0	17.5	10.6	37.7
Oklahoma	458,653	4.3	9.0	18.8	18.7	10.6	38.6
Oregon	430,440	10.7	11.1	20.6	17.9	9.1	30.7
Pennsylvania	1,196,390	9.4	7.7	15.9	16.7	10.4	39.9
Rhode Island	93,218	14.1	15.1	27.2	20.4	8.0	15.2
South Carolina [‡]	406,997	9.5	11.9	25.7	24.0	12.0	16.9
South Dakota [†]	38,473	11.8	7.8	18.7	20.9	13.3	27.6
Tennessee [‡]	533,821	9.6	7.8	19.0	21.6	13.4	28.6
Texas	1,910,667	5.0	10.4	21.6	19.8	10.6	32.6
Utah	92,614	10.1	8.6	17.9	17.8	10.1	35.4
Vermont	29,814	9.7	7.3	17.2	18.0	10.4	37.4
Virginia	514,205	7.9	6.7	15.4	17.6	11.3	41.2
Virgin Islands	13,822	12.0	9.7	17.0	16.2	9.3	35.8
Washington [‡]	602,539	13.6	15.2	28.4	21.3	9.2	12.3
West Virginia	230,429	8.3	13.5	25.7	21.7	10.4	20.5
Wisconsin	424,462	10.5	10.0	18.3	16.4	9.1	35.7
Wyoming [‡]	18,698	15.4	12.4	25.0	21.1	9.8	16.3

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day before they received a benefit issuance and ends on the day they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.18. Distribution of Households by Percentage of Benefit Issuance Redeemed in Two Weeks After Issuance, FY 2022

State	Average Monthly Number of Households	Percentage of Benefit Issuance Redeemed in Two Weeks After Issuance (Percentage of Households)					
		<10%	10-25%	26-50%	51-75%	76-90%	>90%
Total U.S.	27,243,028	2.5	2.7	8.8	14.8	11.7	59.5
Alabama	516,933	2.0	1.8	5.3	10.6	10.3	70.0
Alaska	46,827	6.8	4.1	11.5	18.8	14.2	44.6
Arizona [†]	450,988	3.6	3.2	12.0	21.8	16.3	43.3
Arkansas [†]	176,597	3.0	1.5	5.6	12.9	13.9	63.1
California	4,221,423	3.5	3.0	8.1	12.2	9.0	64.2
Colorado	359,209	0.7	2.2	7.9	13.5	10.1	65.5
Connecticut	246,196	1.8	2.0	6.0	10.9	9.7	69.7
Delaware	70,193	2.7	3.0	7.7	12.2	9.9	64.6
District of Columbia [‡]	89,956	4.0	4.1	12.4	20.0	15.9	43.5
Florida ^{††}	1,788,293	4.3	2.8	9.3	16.5	14.1	53.0
Georgia	945,176	1.9	1.8	5.9	11.0	10.3	69.0
Guam	22,890	1.0	1.1	3.6	8.0	8.3	78.0
Hawaii	118,480	2.4	1.5	3.7	5.7	4.7	81.9
Idaho [†]	77,234	3.9	2.9	10.8	19.9	16.1	46.4
Illinois	1,202,725	2.1	2.2	7.3	13.6	11.8	62.9
Indiana [‡]	398,623	2.4	3.4	12.2	21.3	16.7	44.0
Iowa [‡]	165,144	4.6	4.0	13.3	20.9	15.4	42.0
Kansas	112,246	2.4	2.0	7.2	13.9	12.6	62.0
Kentucky [‡]	343,559	3.5	2.7	10.3	18.8	15.4	49.2
Louisiana	582,742	1.0	2.6	9.0	16.2	13.5	57.7
Maine	100,769	2.4	4.1	15.2	24.1	15.4	38.8
Maryland ^{b‡}	599,164	2.9	4.5	14.3	22.2	16.1	40.0
Massachusetts	680,089	2.9	3.5	12.2	20.3	14.2	46.9
Michigan	843,821	1.7	2.7	8.1	12.9	9.8	64.8
Minnesota	276,788	3.4	3.9	12.3	18.1	12.3	49.8
Mississippi	285,698	2.2	1.7	5.6	11.7	12.6	66.2
Missouri [†]	346,311	2.1	2.0	7.8	16.5	15.7	55.9
Montana [†]	46,552	5.9	2.7	9.2	16.7	14.6	50.9
Nebraska [†]	88,837	4.8	3.0	10.5	19.3	15.7	46.7
Nevada	318,778	3.6	2.9	8.2	12.7	9.5	63.2
New Hampshire	41,307	2.7	3.9	16.0	26.7	17.5	33.2
New Jersey [‡]	498,082	4.6	5.0	16.7	26.0	16.6	31.1
New Mexico [‡]	324,644	1.3	2.9	9.7	15.7	11.6	58.8
New York	2,021,576	2.1	2.4	7.0	11.5	9.1	67.8
North Carolina	922,633	1.6	2.2	7.1	12.3	10.2	66.6

State	Average Monthly Number of Households	Percentage of Benefit Issuance Redeemed in Two Weeks After Issuance (Percentage of Households)					
		<10%	10-25%	26-50%	51-75%	76-90%	>90%
North Dakota [†]	27,603	6.1	3.2	10.7	18.6	15.0	46.4
Ohio	889,698	2.2	2.5	7.1	12.2	10.2	65.8
Oklahoma	458,653	1.0	1.9	6.6	12.0	9.7	68.8
Oregon	430,440	2.6	2.9	8.1	11.7	8.2	66.5
Pennsylvania	1,196,390	1.4	2.3	6.6	11.3	9.8	68.6
Rhode Island	93,218	4.3	4.2	14.8	23.7	15.0	38.0
South Carolina [‡]	406,997	2.5	3.4	12.5	22.0	17.3	42.3
South Dakota [†]	38,473	3.2	2.4	8.4	15.6	14.2	56.2
Tennessee [‡]	533,821	2.6	2.3	8.3	16.5	15.3	55.2
Texas	1,910,667	1.4	2.5	8.8	15.8	12.6	59.0
Utah	92,614	2.5	2.7	8.1	14.0	11.2	61.4
Vermont	29,814	1.9	1.5	4.3	7.6	6.9	77.8
Virginia	514,205	1.5	1.7	5.3	9.4	8.5	73.5
Virgin Islands	13,822	3.3	3.7	10.3	16.5	12.9	53.4
Washington [‡]	602,539	3.6	4.7	16.5	25.1	16.4	33.7
West Virginia	230,429	1.4	3.2	12.6	21.6	15.9	45.4
Wisconsin	424,462	2.0	3.1	9.1	13.3	9.4	63.1
Wyoming [‡]	18,698	6.0	4.0	13.4	21.4	15.9	39.3

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance and issuance periods of less than 14 days in length. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.18a. Average Percentage of Benefit Issuance Redeemed by Days Since Issuance, for Households Grouped by Issuance Amount: By Region, FY 2022

Region	Cumulative Percentage of Benefit Issuance Redeemed by			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
U.S. Total				
All households	56.2	79.3	89.2	93.6
By issuance amount:				
< \$25	79.5	91.8	94.4	97.6
\$26-50	73.8	88.1	92.0	95.7
\$51-100	77.1	93.2	96.3	96.5
\$101-200	65.5	85.7	92.6	95.6
\$201-300	56.4	78.3	87.8	93.3
\$301-350	50.9	73.8	86.0	93.9
\$351-400	57.5	81.4	90.5	92.9
\$401-450	53.9	78.0	87.6	91.5
\$451-500	51.5	75.2	86.8	93.4
> \$500	48.8	73.0	86.2	93.9
Northeast				
All households	55.6	79.8	87.3	92.4
By issuance amount:				
< \$25	85.1	95.9	95.4	99.6
\$26-50	80.8	93.9	89.5	97.0
\$51-100	75.5	92.9	92.6	95.2
\$101-200	66.0	87.3	90.2	94.2
\$201-300	55.3	79.0	85.2	91.8
\$301-350	45.9	70.3	82.8	92.9
\$351-400	54.9	79.7	86.8	92.3
\$401-450	52.9	78.7	86.0	89.6
\$451-500	50.0	75.6	85.7	93.3
> \$500	46.3	72.4	84.2	93.3
Mid-Atlantic				
All households	55.3	78.3	86.2	89.5
By issuance amount:				
< \$25	84.7	96.8	85.8	97.1
\$26-50	82.0	95.3	80.5	88.1
\$51-100	78.1	94.0	94.2	95.3
\$101-200	68.2	88.1	89.0	90.8
\$201-300	54.9	77.0	83.9	89.4
\$301-350	50.8	73.1	84.4	92.6
\$351-400	62.1	86.1	88.5	87.1
\$401-450	57.2	81.2	83.3	88.1

Region	Cumulative Percentage of Benefit Issuance Redeemed by			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
\$451-500	49.7	73.2	83.3	89.5
> \$500	47.3	71.3	82.8	89.8
Midwest				
All households	59.1	80.9	90.7	95.2
By issuance amount:				
< \$25	72.3	88.2	93.8	96.8
\$26-50	68.3	85.5	92.1	95.6
\$51-100	76.8	91.7	95.8	95.9
\$101-200	63.8	83.1	91.7	96.3
\$201-300	58.7	79.4	89.4	94.8
\$301-350	57.1	78.3	88.9	95.4
\$351-400	59.4	81.9	91.6	94.7
\$401-450	58.0	80.4	90.8	94.9
\$451-500	55.6	77.9	89.0	95.0
> \$500	53.2	76.4	89.0	95.6
Southeast				
All households	57.3	79.9	91.4	95.5
By issuance amount:				
< \$25	84.5	95.6	98.5	99.5
\$26-50	80.1	93.6	96.8	98.1
\$51-100	77.8	93.3	97.8	95.2
\$101-200	66.9	86.5	94.5	98.2
\$201-300	57.0	78.3	88.2	94.2
\$301-350	52.4	75.0	87.0	94.7
\$351-400	59.7	83.5	93.0	95.4
\$401-450	56.0	79.5	89.3	94.2
\$451-500	53.6	77.1	89.1	95.7
> \$500	50.5	74.8	88.1	96.1
Southwest				
All households	58.5	80.5	90.5	95.2
By issuance amount:				
< \$25	84.5	92.6	96.7	98.1
\$26-50	78.8	89.2	94.7	97.1
\$51-100	85.6	95.8	98.5	98.5
\$101-200	71.8	89.4	95.5	95.9
\$201-300	61.0	81.0	90.4	94.8
\$301-350	58.1	79.0	89.9	95.3
\$351-400	61.0	85.0	94.2	96.2
\$401-450	58.1	83.5	93.3	94.5

Region	Cumulative Percentage of Benefit Issuance Redeemed by			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
\$451-500	54.2	78.3	90.0	95.3
> \$500	49.6	74.6	88.6	95.9
Mountain Plains				
All households	57.5	79.4	89.6	95.1
By issuance amount:				
< \$25	71.1	86.3	92.7	96.2
\$26-50	65.3	82.5	90.3	94.8
\$51-100	79.0	91.8	95.2	97.6
\$101-200	63.2	83.0	91.5	95.8
\$201-300	57.8	78.6	88.9	94.8
\$301-350	54.1	75.8	87.5	94.7
\$351-400	58.4	81.5	91.6	95.9
\$401-450	57.0	80.3	90.9	96.0
\$451-500	54.3	76.9	88.8	95.2
> \$500	51.1	74.9	88.2	95.7
Western				
All households	52.2	77.1	88.1	92.4
By issuance amount:				
< \$25	83.7	92.0	95.3	97.1
\$26-50	75.7	86.0	91.8	95.7
\$51-100	74.1	93.0	97.7	97.8
\$101-200	62.0	84.7	93.4	95.3
\$201-300	52.4	76.1	87.7	92.9
\$301-350	46.4	70.7	84.8	93.4
\$351-400	50.9	76.2	87.4	88.5
\$401-450	44.6	69.4	82.0	85.7
\$451-500	44.7	69.2	83.3	91.1
> \$500	43.1	67.6	82.4	91.4

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

Table B.19. Average Dollar Amount of Benefit Issuance Carried Over to the Next Issuance Period, for Households Grouped by Issuance Amount, FY 2022

State	Average Monthly Number of Households	Average Dollar Amount of Unspent Issuance												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	27,243,028	38.95	0.76	2.34	5.51	11.33	22.21	36.38	29.10	35.20	55.72	75.37	67.01	108.55
Alabama	516,933	36.34	0.44	1.41	7.38	12.37	23.47	33.20	31.05	41.50	51.92	62.09	63.50	126.55
Alaska	46,827	123.34	-	0.98	2.58	7.45	11.87	16.36	29.85	38.48	43.45	65.14	54.38	257.36
Arizona [‡]	450,988	20.86	0.89	2.51	3.70	5.75	9.16	14.11	17.01	19.56	21.15	21.23	28.59	44.31
Arkansas [†]	176,597	7.31	1.02	2.33	3.20	4.66	5.64	7.64	6.15	6.87	7.50	8.46	12.60	16.09
California	4,221,423	48.58	0.70	2.43	5.13	12.84	26.15	52.23	35.77	46.90	75.57	100.69	104.98	170.11
Colorado	359,209	63.71	1.48	5.12	3.36	16.44	32.60	63.33	40.86	44.67	82.22	98.87	117.39	192.26
Connecticut	246,196	35.57	0.43	1.63	4.01	9.36	22.07	42.85	37.58	75.99	51.37	68.51	83.45	158.89
Delaware	70,193	52.53	0.62	2.11	7.77	13.58	27.31	46.76	39.99	50.72	71.38	99.91	89.97	164.29
District of Columbia [‡]	89,956	28.70	-	-	-	-	-	12.55	16.44	19.85	-	-	26.37	122.55
Florida ^{‡†}	1,788,293	10.08	0.88	2.24	3.32	4.96	7.15	9.78	7.21	9.44	11.02	11.79	18.64	27.40
Georgia	945,176	34.61	0.61	1.92	4.18	9.20	19.83	35.75	27.87	47.67	45.23	59.70	63.14	137.79
Guam	22,890	60.08	-	0.99	2.06	4.33	7.33	14.62	19.08	27.97	49.88	35.60	69.12	149.81
Hawaii	118,480	122.65	-	-	1.16	5.21	11.39	23.54	65.08	82.44	99.72	130.19	161.99	351.97
Idaho [†]	77,234	15.70	1.24	2.91	4.49	6.63	9.09	13.98	11.32	13.15	14.85	16.03	25.58	37.92
Illinois	1,202,725	33.58	0.31	0.98	7.17	10.96	21.29	34.82	37.52	63.23	51.45	76.83	62.74	121.61
Indiana [‡]	398,623	23.44	0.80	1.94	3.36	5.82	8.36	14.65	14.42	17.13	20.91	20.71	29.76	44.07
Iowa [‡]	165,144	25.21	0.86	2.44	3.67	5.55	7.56	17.38	18.66	23.51	16.59	16.10	38.44	56.59
Kansas	112,246	32.69	0.28	0.81	8.08	14.82	27.97	33.27	30.22	37.14	49.92	59.34	48.66	81.51
Kentucky [‡]	343,559	18.78	0.74	1.75	3.35	4.51	8.69	15.13	12.91	16.43	19.88	17.59	28.02	38.91
Louisiana	582,742	36.82	1.98	6.62	7.66	16.21	27.97	33.78	29.10	33.24	69.80	81.28	62.28	82.54
Maine	100,769	39.32	0.04	0.17	23.64	23.84	42.92	25.53	39.55	35.64	103.93	165.14	42.99	71.88

Appendix B Redemption Patterns by State

State	Average Monthly Number of Households	Average Dollar Amount of Unspent Issuance												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Maryland ^{b‡}	599,164	30.60	-	-	-	-	24.15	16.27	18.26	23.12	-	-	41.00	68.31
Massachusetts	680,089	28.91	0.14	0.42	13.72	13.86	21.94	24.32	33.50	36.14	52.43	85.91	42.91	70.85
Michigan	843,821	52.63	1.19	3.81	3.65	14.20	31.83	56.18	31.65	35.86	71.33	80.96	100.04	156.59
Minnesota	276,788	43.21	1.17	3.74	7.45	12.79	27.19	44.74	30.12	30.60	83.68	80.57	62.86	106.58
Mississippi	285,698	16.21	0.80	1.52	6.90	8.19	24.10	21.79	20.46	26.09	31.91	34.62	27.82	46.52
Missouri [†]	346,311	12.67	1.06	2.37	3.67	5.53	7.39	10.70	8.49	9.81	12.03	13.10	18.76	26.95
Montana [†]	46,552	11.99	1.03	3.23	5.07	7.20	9.26	12.28	10.57	12.33	14.42	15.07	24.47	30.16
Nebraska [†]	88,837	14.27	1.11	2.69	4.17	6.33	8.33	11.84	10.79	11.90	14.57	16.39	23.45	34.81
Nevada	318,778	47.64	1.39	4.35	2.99	11.63	22.78	56.06	29.92	35.04	60.13	71.11	106.33	151.23
New Hampshire	41,307	27.34	1.29	3.65	4.03	12.67	27.38	23.43	19.91	23.37	69.11	93.19	33.23	46.74
New Jersey [‡]	498,082	27.88	-	-	-	-	-	17.46	18.80	22.15	-	-	35.70	64.52
New Mexico [‡]	324,644	56.71	1.28	3.03	7.76	16.75	33.44	51.69	41.57	41.98	85.94	105.05	100.06	149.79
New York	2,021,576	41.56	0.61	2.07	4.87	10.26	24.90	45.96	38.93	68.01	60.76	81.91	95.66	190.76
North Carolina	922,633	46.30	0.67	2.06	5.59	13.05	25.29	46.52	39.30	56.88	63.01	90.09	92.58	159.92
North Dakota [†]	27,603	14.44	1.03	2.88	4.82	8.14	10.97	13.95	14.44	16.00	18.91	17.14	26.30	30.92
Ohio	889,698	45.33	0.46	1.67	7.83	13.85	28.02	45.60	42.10	48.74	63.97	88.94	81.77	139.64
Oklahoma	458,653	64.83	0.76	2.61	3.70	17.31	34.25	55.76	43.83	42.25	87.81	108.91	119.60	182.57
Oregon	430,440	59.69	1.32	4.04	2.71	15.79	36.41	78.42	47.40	58.55	91.96	97.76	146.94	219.94
Pennsylvania	1,196,390	35.41	0.40	1.15	4.83	10.52	21.56	40.98	33.15	60.52	46.87	73.19	75.19	139.04
Rhode Island	93,218	38.57	2.20	7.12	2.24	22.67	58.26	87.96	27.59	24.90	113.53	132.56	103.41	73.49
South Carolina [‡]	406,997	28.50	2.06	8.06	6.33	20.01	33.42	29.16	23.38	21.94	104.49	143.63	63.89	47.65
South Dakota [†]	38,473	12.90	0.91	2.22	3.64	6.52	8.84	12.58	8.01	9.91	11.86	12.56	18.21	22.44
Tennessee [‡]	533,821	14.13	0.93	2.34	3.59	5.07	6.61	12.00	12.68	14.96	16.73	14.51	20.58	32.09
Texas	1,910,667	55.08	0.89	3.54	6.52	15.19	30.40	34.59	32.74	42.17	72.66	95.85	82.05	134.03

State	Average Monthly Number of Households	Average Dollar Amount of Unspent Issuance												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Utah	92,614	48.82	0.39	1.27	8.21	14.96	29.63	40.42	42.47	64.84	60.14	75.63	79.58	167.49
Vermont	29,814	43.99	0.62	1.53	2.65	7.48	19.58	49.25	28.49	67.96	49.47	73.14	104.42	173.94
Virginia	514,205	44.09	0.80	2.54	3.07	9.62	20.66	44.31	34.51	54.86	53.78	67.29	99.56	179.03
Virgin Islands	13,822	51.56	-	0.41	10.57	15.94	27.02	38.59	63.19	46.54	66.27	81.66	91.17	131.62
Washington [†]	602,539	30.14	0.50	2.40	4.97	20.39	43.05	20.85	18.98	21.74	166.57	125.78	48.72	68.61
West Virginia	230,429	35.97	1.30	4.51	10.16	19.98	33.59	34.48	32.60	27.32	86.21	111.84	59.78	67.71
Wisconsin	424,462	51.62	0.80	2.60	4.46	13.01	27.16	53.76	37.91	49.45	72.24	95.58	100.04	167.81
Wyoming [‡]	18,698	32.28	0.99	2.80	5.95	9.35	19.90	20.97	25.42	26.16	48.71	42.80	44.80	64.71

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Unspent issuance is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

– Cell size empty or too small to display. Occurs in States where few or no separate standard and EA issuances are observed.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.20. Distribution of Households by Amount of Issuance Carried Over to the Next Issuance Period, FY 2022

State	Average Monthly Number of Households	Dollar Amount of Unspent Issuance (Percentage of Households)				
		<\$1	\$1-10	\$11-25	\$26-50	>\$50
Total U.S.	27,243,028	57.8	12.8	4.9	5.1	19.4
Alabama	516,933	56.3	13.6	5.5	5.6	19.0
Alaska	46,827	57.5	13.7	3.9	3.0	21.9
Arizona [‡]	450,988	62.0	18.7	4.9	3.9	10.4
Arkansas [†]	176,597	65.5	24.1	4.2	2.5	3.7
California	4,221,423	56.6	8.7	4.6	5.5	24.6
Colorado	359,209	53.7	8.4	4.3	4.9	28.6
Connecticut	246,196	57.2	10.8	5.3	6.0	20.7
Delaware	70,193	53.4	10.5	4.9	5.6	25.6
District of Columbia [‡]	89,956	62.1	16.9	4.6	4.1	12.2
Florida ^{‡†}	1,788,293	67.9	18.4	4.9	3.4	5.5
Georgia	945,176	59.5	13.9	4.7	4.7	17.2
Guam	22,890	56.7	13.8	4.2	3.9	21.5
Hawaii	118,480	55.1	3.7	2.2	2.9	36.1
Idaho [†]	77,234	60.3	20.5	6.3	4.4	8.5
Illinois	1,202,725	56.6	13.0	5.6	5.9	18.9
Indiana [‡]	398,623	59.5	19.5	5.1	4.2	11.7
Iowa [‡]	165,144	59.1	18.5	5.3	4.4	12.7
Kansas	112,246	54.6	14.6	5.9	6.2	18.7
Kentucky [‡]	343,559	63.1	19.6	4.4	3.4	9.5
Louisiana	582,742	57.4	13.5	5.3	5.3	18.5
Maine	100,769	53.2	12.5	5.9	6.6	21.8
Maryland ^{‡‡}	599,164	57.8	16.9	5.4	4.8	15.1
Massachusetts	680,089	59.1	12.2	5.7	6.1	16.8
Michigan	843,821	54.8	10.1	4.6	5.2	25.4
Minnesota	276,788	58.0	11.5	4.7	5.0	20.8
Mississippi	285,698	62.0	21.5	4.4	3.4	8.7
Missouri [†]	346,311	61.4	23.0	5.3	3.6	6.7
Montana [†]	46,552	64.3	20.3	5.2	3.7	6.5
Nebraska [†]	88,837	62.7	20.4	5.4	3.9	7.6
Nevada	318,778	58.4	10.0	4.3	4.6	22.6
New Hampshire	41,307	59.4	15.5	5.4	4.9	14.8
New Jersey [‡]	498,082	61.7	14.8	5.1	4.6	13.7
New Mexico [‡]	324,644	52.4	9.8	5.0	5.8	26.9
New York	2,021,576	56.8	10.2	4.8	5.7	22.5
North Carolina	922,633	54.1	11.3	5.3	5.8	23.6

State	Average Monthly Number of Households	Dollar Amount of Unspent Issuance (Percentage of Households)				
		<\$1	\$1-10	\$11-25	\$26-50	>\$50
North Dakota [†]	27,603	62.2	19.9	5.6	4.2	8.2
Ohio	889,698	54.2	10.9	5.2	6.0	23.8
Oklahoma	458,653	52.9	10.0	4.5	4.9	27.7
Oregon	430,440	53.7	7.8	4.2	5.0	29.4
Pennsylvania	1,196,390	56.4	12.1	5.4	5.9	20.2
Rhode Island	93,218	59.3	12.4	4.6	4.4	19.3
South Carolina [‡]	406,997	57.6	18.6	5.2	4.5	14.1
South Dakota [†]	38,473	61.8	21.7	5.2	3.8	7.3
Tennessee [‡]	533,821	63.3	21.6	4.7	3.2	7.1
Texas	1,910,667	56.1	10.5	4.6	5.0	23.9
Utah	92,614	53.0	10.5	5.6	6.3	24.5
Vermont	29,814	57.4	9.5	4.7	5.2	23.1
Virginia	514,205	55.2	11.7	5.2	5.6	22.3
Virgin Islands	13,822	54.4	9.2	5.3	6.2	24.9
Washington [‡]	602,539	57.0	16.9	5.8	5.1	15.2
West Virginia	230,429	56.2	15.2	5.3	5.1	18.2
Wisconsin	424,462	54.5	9.2	4.7	5.5	26.1
Wyoming [‡]	18,698	58.3	17.1	5.1	4.5	15.0

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Unspent issuance is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.20a. Average Dollar Amount of Issuance Carried Over to the Next Issuance Period Among Households Who Redeem a Significant Portion of Benefits Online, FY 2022

State	Dollar Amount of Unspent Issuance (Percentage of Households)				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50
Total U.S.	54.3	12.7	5.3	5.2	22.6
Alabama	53.1	13.4	6.0	5.8	21.8
Alaska	n.a.	n.a.	n.a.	n.a.	n.a.
Arizona [†]	61.3	17.4	5.0	3.8	12.5
Arkansas [†]	65.4	21.8	4.6	2.7	5.5
California	51.5	9.7	5.1	5.7	28.1
Colorado	49.0	8.2	4.4	5.1	33.4
Connecticut	53.9	10.5	5.7	6.2	23.7
Delaware	48.6	9.5	5.3	5.7	31.0
District of Columbia [‡]	57.3	18.8	5.5	4.4	14.0
Florida ^{††}	66.1	17.8	5.0	3.5	7.5
Georgia	57.4	13.0	4.9	4.8	20.0
Guam	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii	46.7	4.1	2.4	3.1	43.7
Idaho [†]	60.6	17.8	6.0	4.5	11.1
Illinois	53.8	13.7	6.2	6.0	20.2
Indiana [‡]	57.0	17.0	5.6	4.7	15.7
Iowa [‡]	59.2	17.0	5.5	4.3	14.0
Kansas	54.3	16.2	6.2	5.6	17.7
Kentucky [‡]	61.6	18.7	4.8	3.6	11.4
Louisiana	53.2	13.2	5.8	5.7	22.2
Maine	52.3	11.7	5.6	6.5	23.9
Maryland ^{b‡}	52.4	16.4	6.2	5.2	19.8
Massachusetts	53.4	12.3	7.0	7.3	20.0
Michigan	49.3	9.6	4.9	5.2	30.9
Minnesota	53.6	11.5	5.2	5.1	24.7
Mississippi	59.1	20.7	5.3	3.8	11.0
Missouri [†]	60.2	20.5	5.6	4.0	9.6
Montana [†]	64.6	19.1	5.6	4.0	6.7
Nebraska [†]	61.7	18.6	5.7	4.3	9.7
Nevada	53.4	10.7	4.8	4.7	26.4
New Hampshire	58.5	13.8	5.0	4.5	18.2
New Jersey [‡]	57.6	13.4	5.3	5.2	18.7
New Mexico [‡]	48.1	9.6	5.1	5.8	31.3
New York	53.3	11.1	5.3	5.9	24.4
North Carolina	51.1	10.5	5.3	5.6	27.5

State	Dollar Amount of Unspent Issuance (Percentage of Households)				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50
North Dakota [†]	61.5	17.1	5.7	4.9	10.9
Ohio	50.6	11.1	5.8	6.3	26.1
Oklahoma	47.4	9.2	4.6	5.0	33.9
Oregon	47.9	7.8	4.4	5.2	34.7
Pennsylvania	54.7	12.0	5.6	5.6	22.1
Rhode Island	51.7	11.4	5.3	5.3	26.3
South Carolina [‡]	53.4	16.2	5.5	4.7	20.2
South Dakota [†]	60.4	18.8	5.4	4.7	10.8
Tennessee [‡]	61.9	20.4	5.2	3.6	8.8
Texas	50.9	10.4	4.6	5.0	29.1
Utah	52.0	10.4	5.5	5.9	26.3
Vermont	51.3	10.2	5.0	5.7	27.9
Virginia	52.2	11.5	5.0	5.4	25.8
Virgin Islands	n.a.	n.a.	n.a.	n.a.	n.a.
Washington [‡]	54.3	15.7	6.0	5.4	18.6
West Virginia	51.3	13.0	5.5	5.4	24.8
Wisconsin	52.0	9.6	4.8	5.2	28.3
Wyoming [‡]	56.2	15.2	5.9	4.7	18.0

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis restricted to households who redeemed at least 50 percent of their issuance at internet retailers. Unspent issuance is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.21. Average EBT Balance at the End of the Issuance Period, for Households Grouped by Issuance Amount, FY 2022

State	Average Monthly Number of Households	Average Ending Balance (\$)												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	27,243,028	197.67	154.44	119.71	152.13	145.99	151.18	156.00	185.17	154.57	255.75	292.32	230.45	341.15
Alabama	516,933	139.61	113.73	92.09	89.63	96.58	105.19	118.28	144.46	155.44	183.28	188.45	172.89	273.19
Alaska	46,827	307.70	-	605.85	253.12	366.71	228.25	258.38	254.09	168.52	286.41	248.57	180.21	439.54
Arizona [‡]	450,988	146.29	98.28	66.59	98.38	82.46	78.50	94.07	97.10	93.64	100.70	100.97	145.27	250.23
Arkansas [†]	176,597	42.55	34.31	29.95	36.67	32.11	30.11	30.05	34.18	38.82	41.87	48.79	46.64	81.21
California	4,221,423	212.64	182.54	176.68	150.36	152.00	152.98	183.53	184.85	175.68	271.29	306.17	300.40	405.66
Colorado	359,209	268.41	200.53	206.93	175.95	208.42	220.75	221.89	264.80	204.15	358.68	383.64	347.08	500.36
Connecticut	246,196	221.54	228.95	201.62	156.73	180.68	196.19	194.57	272.38	270.71	302.11	340.79	307.46	493.21
Delaware	70,193	227.85	186.51	159.65	150.79	184.59	180.13	183.13	243.90	198.45	314.86	314.25	285.93	425.57
District of Columbia [‡]	89,956	170.87	-	-	-	-	-	117.23	132.96	133.42	-	-	172.48	329.25
Florida ^{†‡}	1,788,293	60.66	33.53	28.76	36.31	37.08	42.90	46.61	56.80	62.00	66.56	73.03	80.83	136.60
Georgia	945,176	204.83	139.77	115.67	166.60	136.90	145.00	148.76	239.11	235.92	252.28	296.59	242.79	444.93
Guam	22,890	217.79	-	119.38	121.63	125.19	141.05	151.81	158.72	195.10	188.24	249.30	271.90	328.40
Hawaii	118,480	430.88	-	-	246.94	265.95	289.66	334.81	358.36	366.40	365.81	368.79	436.37	738.41
Idaho [†]	77,234	61.28	24.93	27.20	36.28	43.86	50.59	51.97	49.55	48.37	54.70	58.85	73.09	114.35
Illinois	1,202,725	185.39	144.40	131.16	136.12	142.78	144.34	151.85	223.69	216.98	253.03	288.18	234.83	378.43
Indiana [‡]	398,623	136.03	118.36	85.88	89.15	87.82	76.97	113.35	105.25	92.00	91.08	101.18	131.50	182.32
Iowa [‡]	165,144	174.37	130.39	94.06	97.33	98.27	94.25	142.50	137.53	120.24	95.06	97.84	180.61	293.39
Kansas	112,246	180.48	185.74	160.48	127.29	150.11	160.08	159.74	185.96	156.02	232.44	243.69	202.42	296.38
Kentucky [‡]	343,559	131.85	82.29	99.70	89.76	63.18	70.13	110.57	72.34	85.81	88.07	78.87	127.70	201.53
Louisiana	582,742	156.46	109.29	100.92	116.76	112.96	117.54	119.37	131.36	123.55	216.08	224.23	182.40	243.80
Maine	100,769	253.08	218.05	198.77	212.54	215.14	240.71	198.34	236.91	194.30	390.19	465.69	253.99	376.34
Maryland ^{‡†}	599,164	164.46	-	-	-	-	32.14	105.51	105.28	115.92	-	-	172.39	268.08

Appendix B Redemption Patterns by State

State	Average Monthly Number of Households	Average Ending Balance (\$)												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Massachusetts	680,089	173.31	191.73	173.70	151.60	159.24	162.66	152.11	175.20	149.33	189.82	257.54	188.53	286.20
Michigan	843,821	233.50	181.74	171.63	153.00	187.76	202.04	198.34	230.52	170.44	346.20	334.94	293.08	420.88
Minnesota	276,788	241.03	237.96	201.93	153.59	176.96	188.06	208.94	235.61	157.28	274.53	355.26	265.01	389.76
Mississippi	285,698	66.91	51.59	55.58	73.14	56.56	87.49	80.32	86.33	89.59	98.61	101.16	79.28	112.02
Missouri†	346,311	57.88	34.83	28.65	38.17	43.49	47.24	45.20	49.07	50.91	55.08	61.60	65.89	100.13
Montana†	46,552	91.15	49.83	48.51	66.31	72.30	85.74	81.41	85.02	96.56	108.07	105.23	107.49	155.70
Nebraska†	88,837	84.99	53.58	59.19	72.02	67.34	68.53	61.42	74.19	72.88	85.13	91.35	95.26	152.38
Nevada	318,778	203.33	164.20	156.75	116.10	149.57	142.85	164.46	193.88	139.50	285.04	281.50	294.00	428.21
New Hampshire	41,307	194.11	172.98	100.05	111.70	119.03	125.13	152.81	99.25	120.83	240.01	264.36	185.05	294.94
New Jersey‡	498,082	249.82	-	-	-	-	-	138.81	126.28	133.95	-	-	227.94	423.42
New Mexico‡	324,644	243.05	172.20	187.69	176.54	195.02	206.32	197.13	236.27	178.62	336.73	351.99	296.28	393.99
New York	2,021,576	223.26	235.23	182.24	160.64	186.14	197.43	197.71	258.76	242.43	306.10	329.58	300.60	479.34
North Carolina	922,633	235.25	186.83	177.97	158.97	173.49	177.76	191.56	257.85	242.08	305.34	347.01	301.25	446.73
North Dakota†	27,603	88.39	56.98	54.52	67.53	79.93	104.74	93.05	91.58	85.63	89.23	75.10	91.28	123.98
Ohio	889,698	229.97	234.49	177.68	160.10	169.98	189.71	202.20	245.18	205.74	297.68	336.10	280.98	387.46
Oklahoma	458,653	186.66	149.96	145.50	105.88	126.47	146.72	159.83	178.32	130.78	242.90	256.93	238.85	333.12
Oregon	430,440	282.23	248.52	231.53	173.78	233.51	227.57	244.45	316.69	242.88	399.55	434.95	409.27	637.22
Pennsylvania	1,196,390	273.70	276.58	248.52	205.42	214.66	235.53	239.21	321.06	320.51	358.63	419.78	350.64	536.07
Rhode Island	93,218	161.79	180.55	147.11	103.19	129.39	164.66	199.32	135.89	119.50	284.43	321.47	236.15	221.45
South Carolina‡	406,997	127.84	245.30	165.11	129.57	139.58	163.04	132.01	104.57	90.98	266.86	311.38	180.56	156.71
South Dakota†	38,473	103.81	86.92	108.93	108.48	104.87	104.25	97.81	82.24	90.34	85.80	108.99	89.08	129.27
Tennessee‡	533,821	89.00	78.93	58.65	65.74	53.13	50.13	84.52	74.44	69.06	61.70	61.26	100.42	157.95
Texas	1,910,667	296.57	166.56	149.24	190.23	206.55	218.88	186.48	257.39	230.75	419.14	445.59	343.13	494.46
Utah	92,614	270.58	166.04	178.09	191.58	196.95	210.78	189.47	323.11	279.22	371.89	390.22	339.29	527.19

Appendix B Redemption Patterns by State

State	Average Monthly Number of Households	Average Ending Balance (\$)												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Vermont	29,814	207.91	216.69	162.99	134.66	178.28	184.41	179.55	226.99	264.95	243.45	302.00	299.57	448.29
Virginia	514,205	203.67	157.78	162.05	130.90	146.17	158.92	179.02	235.25	248.39	259.95	269.89	276.99	435.31
Virgin Islands	13,822	405.27	-	262.44	316.96	268.29	342.99	378.66	382.71	277.21	493.88	335.02	619.71	637.65
Washington [†]	602,539	124.22	218.09	174.34	109.10	121.41	135.29	109.45	86.49	84.46	281.93	319.60	145.41	200.99
West Virginia	230,429	135.06	137.69	111.20	96.34	125.83	134.46	120.01	121.50	93.12	229.89	268.03	171.68	185.21
Wisconsin	424,462	332.37	301.42	267.75	221.73	248.78	253.96	270.52	339.58	261.46	425.07	477.25	421.47	597.38
Wyoming [‡]	18,698	146.66	117.10	107.23	132.58	119.64	131.98	139.56	146.79	114.43	148.58	129.61	143.90	208.52

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: The ending balance is the EBT account balance at the time of the next issuance. This measure reflects the long-run accumulation of unspent issuance from all prior issuance periods. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

– Cell size empty or too small to display. Occurs in States where few or no separate standard and EA issuances are observed.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.21a. Median EBT Balance at the End of the Issuance Period, for Households Grouped by Issuance Amount, FY 2022

State	Average Monthly Number of Households	Median Ending Balance												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	27,243,028	17.80	8.71	6.73	7.79	12.01	21.65	32.21	22.82	19.51	63.62	88.61	57.73	80.37
Alabama	516,933	9.11	3.89	3.41	4.57	5.71	9.81	13.36	12.16	15.30	24.35	29.09	29.49	70.00
Alaska	46,827	6.64	.	51.76	9.41	20.46	11.87	13.90	21.09	4.68	27.10	18.87	5.20	15.60
Arizona [‡]	450,988	2.20	0.96	1.02	1.77	1.24	1.45	2.05	2.59	2.56	1.45	1.52	2.85	3.41
Arkansas [†]	176,597	1.02	0.71	0.88	0.93	1.03	1.04	1.20	0.94	0.97	0.99	1.08	1.26	1.26
California	4,221,423	29.16	12.78	15.99	9.15	16.38	29.52	59.83	31.22	33.24	98.78	131.09	129.37	177.16
Colorado	359,209	38.03	16.62	23.17	8.71	26.54	50.21	85.68	48.43	26.53	126.81	148.19	155.39	218.48
Connecticut	246,196	20.82	10.27	9.74	5.27	10.34	23.63	42.38	47.57	99.24	59.48	84.85	90.34	172.00
Delaware	70,193	27.96	10.36	7.99	8.41	14.05	25.47	43.13	34.75	32.03	79.80	108.54	86.31	150.75
District of Columbia [‡]	89,956	2.27	.	.	.	.	.	2.48	2.91	2.50	.	.	2.27	4.65
Florida ^{‡†}	1,788,293	0.90	0.27	0.51	0.61	0.80	0.99	1.11	0.83	0.95	0.97	1.11	1.52	1.69
Georgia	945,176	9.91	4.27	4.20	6.12	5.84	11.26	18.76	18.60	37.03	29.75	43.36	32.99	90.01
Guam	22,890	8.45	.	5.62	2.17	3.48	3.88	4.96	7.17	12.12	19.80	15.26	55.54	52.70
Hawaii	118,480	80.30	.	.	8.77	15.91	20.73	40.91	108.85	130.82	152.95	178.33	229.92	413.41
Idaho [†]	77,234	2.17	0.88	1.23	1.38	1.80	2.11	2.71	1.84	1.80	2.15	2.06	2.97	3.72
Illinois	1,202,725	13.59	6.33	4.62	6.34	8.49	14.49	19.99	31.20	57.86	37.92	70.79	40.54	88.48
Indiana [‡]	398,623	2.58	1.29	1.23	1.58	1.97	2.09	2.98	2.92	2.51	2.51	2.68	3.09	3.17
Iowa [‡]	165,144	3.42	1.63	1.57	1.74	1.97	1.96	4.12	4.18	4.47	1.99	1.88	4.56	6.40
Kansas	112,246	13.01	7.06	4.78	7.25	11.93	19.42	15.99	15.12	12.94	29.36	32.58	17.12	34.98
Kentucky [‡]	343,559	1.83	0.81	1.17	1.12	1.00	1.28	2.37	1.65	1.85	1.24	1.09	2.14	2.32
Louisiana	582,742	7.50	8.37	12.18	7.19	13.39	18.93	11.39	8.64	7.61	61.29	67.21	19.36	18.03
Maine	100,769	19.31	11.62	8.96	56.59	46.04	75.26	17.73	32.06	15.41	155.96	264.77	14.45	21.39
Maryland ^{‡†}	599,164	3.70	.	.	.	.	4.75	3.61	3.07	3.54	.	.	5.25	5.69
Massachusetts	680,089	9.81	6.86	5.36	18.45	13.16	18.32	10.77	17.07	9.09	31.66	59.33	10.91	14.69

Appendix B Redemption Patterns by State

State	Average Monthly Number of Households	Median Ending Balance												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Michigan	843,821	18.83	9.21	11.56	4.39	16.54	39.64	59.26	19.97	8.86	87.16	93.70	101.02	124.86
Minnesota	276,788	10.67	12.74	10.79	7.87	10.19	21.17	35.91	14.84	5.92	84.73	75.86	20.29	39.28
Mississippi	285,698	1.57	0.97	1.14	3.65	1.78	5.26	2.47	2.30	2.74	2.40	2.25	1.84	1.93
Missouri†	346,311	1.61	0.99	1.17	1.42	1.59	1.71	1.71	1.32	1.38	1.52	1.55	1.85	1.88
Montana†	46,552	1.68	1.01	1.38	1.65	2.00	2.20	1.93	1.68	1.56	1.75	1.75	2.03	1.88
Nebraska†	88,837	1.93	0.94	1.38	1.56	1.77	1.96	2.01	1.81	1.79	2.05	2.14	2.75	2.87
Nevada	318,778	10.50	7.81	9.41	2.65	6.63	10.74	50.89	11.42	6.81	47.60	53.45	109.18	127.87
New Hampshire	41,307	5.95	3.08	3.52	6.94	18.73	29.15	9.08	4.55	5.00	93.16	115.30	6.45	7.18
New Jersey‡	498,082	7.39	.	.	.	.	.	6.22	7.60	6.13	.	.	9.43	14.80
New Mexico‡	324,644	32.47	11.69	14.87	19.61	30.45	53.10	58.95	49.69	20.04	133.10	150.69	113.57	120.80
New York	2,021,576	26.65	12.21	11.22	7.22	12.61	29.09	50.20	51.30	79.62	81.97	110.02	112.87	201.84
North Carolina	922,633	26.01	10.30	9.79	7.16	14.63	24.08	44.09	40.94	51.74	66.68	101.22	89.58	150.00
North Dakota†	27,603	2.21	1.15	1.58	1.94	2.55	3.11	2.62	2.34	2.66	2.90	2.37	2.57	2.48
Ohio	889,698	23.34	15.33	7.98	8.69	12.86	27.01	42.81	41.44	34.20	60.01	94.12	66.96	105.19
Oklahoma	458,653	20.67	9.57	11.45	4.40	16.98	32.77	51.65	36.54	10.89	101.91	124.44	127.12	157.39
Oregon	430,440	42.51	16.70	16.65	5.34	23.71	53.84	107.51	66.67	59.41	138.27	141.43	199.51	293.17
Pennsylvania	1,196,390	21.65	17.35	12.84	6.43	10.63	23.48	39.94	36.32	70.12	45.55	84.62	71.07	133.85
Rhode Island	93,218	4.71	10.34	17.99	4.55	30.79	83.26	116.12	5.72	3.65	162.38	178.20	45.34	4.05
South Carolina‡	406,997	3.29	34.22	27.06	13.09	30.98	46.05	6.89	4.37	2.77	151.22	207.23	8.90	3.36
South Dakota†	38,473	2.09	1.46	1.60	1.72	2.65	2.73	2.43	1.75	2.02	1.97	2.07	1.90	1.83
Tennessee‡	533,821	1.54	0.97	1.04	1.09	1.18	1.21	1.90	2.02	2.13	1.51	1.43	1.98	2.34
Texas	1,910,667	24.98	7.38	6.11	11.17	21.49	38.14	24.03	26.14	24.22	125.02	149.37	85.68	111.69
Utah	92,614	41.74	9.55	12.83	18.47	25.54	42.82	43.26	73.20	86.35	99.27	120.76	97.90	205.60
Vermont	29,814	21.93	12.15	7.84	4.83	8.78	19.57	52.06	28.04	85.43	48.18	86.26	117.11	196.72

Appendix B Redemption Patterns by State

State	Average Monthly Number of Households	Median Ending Balance												
		All Households	Households Grouped by Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Virginia	514,205	18.34	6.80	7.55	3.71	6.93	14.37	39.64	27.20	53.11	43.41	57.57	101.43	183.63
Virgin Islands	13,822	74.08	.	47.61	48.49	56.50	81.28	89.03	133.37	65.55	131.55	99.94	191.33	173.67
Washington [†]	602,539	4.05	11.13	8.59	9.73	40.67	63.02	5.40	4.06	3.22	266.08	229.27	6.96	5.81
West Virginia	230,429	5.25	9.02	10.53	7.91	22.09	26.39	13.18	8.12	3.35	74.94	111.33	11.58	5.40
Wisconsin	424,462	45.52	35.37	27.63	10.49	24.72	40.77	72.95	59.07	39.13	125.95	163.27	142.69	221.64
Wyoming [‡]	18,698	4.24	1.84	2.19	5.16	3.35	4.59	4.97	5.90	4.94	5.80	3.51	4.65	6.53

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: The ending balance is the EBT account balance at the time of the next issuance. This measure reflects the long-run accumulation of unspent issuance from all prior issuance periods. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

– Cell size empty or too small to display. Occurs in States where few or no separate standard and EA issuances are observed.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.22. Distribution of Households by EBT Balance at the End of the Issuance Period, FY 2022

State	Average Monthly Number of Households	Ending Balance (Percentage of Households)				
		<\$1	\$1-10	\$11-25	\$26-50	>\$50
Total U.S.	27,243,028	24.0	25.3	6.9	6.0	37.8
Alabama	516,933	22.0	28.3	7.9	7.0	34.9
Alaska	46,827	25.7	26.7	6.0	4.3	37.3
Arizona [‡]	450,988	33.0	32.5	6.8	4.8	23.0
Arkansas [†]	176,597	38.1	42.5	6.3	3.6	9.5
California	4,221,423	20.2	19.9	6.8	6.6	46.4
Colorado	359,209	17.8	20.1	6.5	6.0	49.6
Connecticut	246,196	22.1	21.2	7.1	6.9	42.7
Delaware	70,193	18.2	22.9	6.8	6.6	45.4
District of Columbia [‡]	89,956	32.7	29.4	6.2	4.9	26.8
Florida ^{‡†}	1,788,293	44.2	29.9	6.8	4.6	14.6
Georgia	945,176	22.0	28.4	7.0	6.0	36.6
Guam	22,890	20.2	31.0	6.9	5.5	36.4
Hawaii	118,480	14.9	16.3	5.6	5.1	58.1
Idaho [†]	77,234	34.9	33.5	8.8	5.8	16.9
Illinois	1,202,725	22.1	24.8	7.4	6.8	38.9
Indiana [‡]	398,623	29.0	34.5	6.9	5.0	24.6
Iowa [‡]	165,144	26.4	34.6	7.2	5.0	26.7
Kansas	112,246	19.6	28.0	7.9	7.0	37.5
Kentucky [‡]	343,559	33.0	34.7	6.1	4.2	21.9
Louisiana	582,742	23.1	27.6	7.4	6.4	35.5
Maine	100,769	19.2	23.8	7.3	6.6	43.2
Maryland ^{b‡}	599,164	29.3	28.7	7.2	5.6	29.2
Massachusetts	680,089	27.9	22.3	7.3	6.7	35.8
Michigan	843,821	21.9	21.7	6.2	6.0	44.2
Minnesota	276,788	22.0	25.8	6.8	5.8	39.6
Mississippi	285,698	32.3	39.4	6.5	4.4	17.4
Missouri [†]	346,311	33.1	40.3	7.5	4.8	14.3
Montana [†]	46,552	35.8	34.2	7.6	5.0	17.5
Nebraska [†]	88,837	33.7	35.4	7.7	5.1	18.0
Nevada	318,778	25.0	23.4	6.5	5.9	39.2
New Hampshire	41,307	26.4	27.7	7.2	5.7	33.1
New Jersey [‡]	498,082	25.1	26.7	6.7	5.1	36.5
New Mexico [‡]	324,644	17.4	21.1	6.7	6.4	48.3
New York	2,021,576	21.0	21.3	6.4	6.4	44.9
North Carolina	922,633	17.3	24.3	7.4	6.9	44.1

State	Average Monthly Number of Households	Ending Balance (Percentage of Households)				
		<\$1	\$1-10	\$11-25	\$26-50	>\$50
North Dakota [†]	27,603	32.5	35.0	8.0	5.4	19.1
Ohio	889,698	18.1	23.7	7.0	6.8	44.5
Oklahoma	458,653	17.8	25.8	6.9	6.3	43.2
Oregon	430,440	19.5	18.6	6.1	6.0	49.8
Pennsylvania	1,196,390	19.2	23.9	7.0	6.6	43.4
Rhode Island	93,218	29.8	23.6	6.5	5.4	34.7
South Carolina [‡]	406,997	26.8	33.6	7.2	5.5	26.9
South Dakota [†]	38,473	29.4	40.0	7.3	4.7	18.5
Tennessee [‡]	533,821	33.6	38.6	6.8	4.3	16.6
Texas	1,910,667	20.2	22.2	6.3	5.9	45.5
Utah	92,614	15.6	21.3	7.3	7.0	48.8
Vermont	29,814	19.6	23.1	7.4	7.0	42.9
Virginia	514,205	19.2	25.5	7.5	6.8	41.0
Virgin Islands	13,822	11.3	19.2	6.9	6.6	56.1
Washington [‡]	602,539	30.3	27.5	7.4	5.8	29.1
West Virginia	230,429	25.1	29.2	7.3	6.1	32.4
Wisconsin	424,462	15.8	20.2	6.3	6.1	51.6
Wyoming [‡]	18,698	26.9	31.8	7.4	5.4	28.6

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: The ending balance is the EBT account balance at the time of the next issuance. This measure reflects the long-run accumulation of unspent issuance from all prior issuance periods. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.22a. Distribution of EBT Benefit Redemption by Calendar Week, FY 2022

State	EBT Benefit Redemption by Week of Calendar Month							
	Distribution of Number of Transactions				Distribution of Dollars Redeemed			
	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4
Total U.S.	22.5	25.4	24.2	27.9	24.2	26.3	23.5	26.0
Alabama	26.9	23.2	23.0	27.0	26.9	23.7	23.7	25.7
Alaska	34.0	26.5	19.9	19.6	41.3	23.7	17.4	17.6
Arizona	23.1	30.5	24.3	22.1	26.9	32.7	21.4	19.0
Arkansas	19.4	34.3	25.9	20.4	23.4	39.6	21.0	16.0
California	22.5	26.1	23.7	27.7	24.1	26.7	22.8	26.5
Colorado	21.2	27.8	25.4	25.6	23.1	29.4	24.1	23.4
Connecticut	28.4	22.3	24.5	24.8	33.9	20.3	23.7	22.0
Delaware	23.8	22.4	21.9	32.0	23.8	22.2	21.9	32.1
District of Columbia	23.9	30.7	23.4	22.0	29.1	32.7	19.8	18.4
Florida	22.4	23.2	23.6	30.7	22.9	23.4	23.5	30.3
Georgia	21.7	22.6	24.3	31.5	20.5	23.7	25.6	30.1
Guam	24.4	28.8	22.5	24.3	30.4	30.2	19.2	20.3
Hawaii	23.1	26.6	24.8	25.5	27.4	26.7	23.0	22.9
Idaho	23.4	32.0	23.4	21.1	28.5	33.7	19.8	18.1
Illinois	23.6	25.5	20.6	30.3	25.4	26.3	19.2	29.1
Indiana	19.1	23.1	26.9	31.0	19.1	24.5	28.4	28.0
Iowa	24.9	31.0	23.3	20.8	31.0	31.6	19.8	17.6
Kansas	25.1	26.8	19.6	28.5	28.5	27.0	17.1	27.4
Kentucky	20.9	24.7	26.7	27.7	23.0	25.9	27.2	23.9
Louisiana	24.2	27.2	23.4	25.2	26.8	27.3	22.7	23.2
Maine	15.3	28.2	28.3	28.2	13.9	33.5	27.4	25.1
Maryland	19.4	22.8	25.7	32.1	18.6	24.2	26.9	30.2
Massachusetts	26.1	27.1	23.9	22.9	29.0	28.4	22.5	20.2
Michigan	19.2	20.7	26.5	33.6	18.9	20.9	28.2	32.0
Minnesota	18.1	29.4	26.2	26.4	18.5	33.1	24.5	23.8
Mississippi	18.4	26.5	29.0	26.1	19.4	29.8	30.0	20.8
Missouri	19.8	24.5	26.6	29.1	21.4	26.0	27.2	25.4
Montana	29.5	30.6	21.1	18.8	38.0	28.0	17.9	16.1
Nebraska	31.7	29.2	20.9	18.2	41.0	26.3	17.4	15.4
Nevada	21.0	27.3	26.3	25.4	23.0	28.8	25.0	23.2
New Hampshire	22.8	29.7	24.3	23.2	28.9	29.3	21.4	20.3
New Jersey	29.1	27.3	22.2	21.4	35.8	25.8	19.6	18.7
New Mexico	20.1	25.1	26.0	28.8	20.8	26.5	26.2	26.5
New York	22.4	25.5	23.8	28.3	24.3	26.6	22.9	26.2
North Carolina	22.5	22.0	22.2	33.3	21.9	22.3	22.8	33.0

State	EBT Benefit Redemption by Week of Calendar Month							
	Distribution of Number of Transactions				Distribution of Dollars Redeemed			
	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4
North Dakota	38.7	26.0	18.1	17.2	47.6	22.5	14.6	15.3
Ohio	23.3	22.9	22.8	31.1	23.7	23.2	22.8	30.2
Oklahoma	23.8	28.3	24.2	23.7	28.2	29.7	21.2	20.9
Oregon	22.5	28.3	25.5	23.8	25.4	29.4	23.5	21.7
Pennsylvania	21.8	24.9	23.9	29.3	23.0	26.7	22.9	27.3
Rhode Island	32.9	26.3	21.0	19.8	40.0	24.4	18.3	17.3
South Carolina	20.3	25.8	26.7	27.1	21.6	28.2	26.8	23.4
South Dakota	12.5	36.2	28.7	22.6	11.7	46.3	23.9	18.1
Tennessee	20.9	25.2	27.1	26.8	23.0	26.7	27.3	23.0
Texas	21.5	27.0	24.7	26.7	23.1	28.2	23.8	24.9
Utah	24.5	23.3	24.4	27.8	24.7	23.8	24.7	26.9
Vermont	29.4	22.1	25.9	22.7	33.6	20.0	25.2	21.2
Virginia	23.7	23.5	27.6	25.1	28.2	22.4	27.3	22.1
Virgin Islands	29.8	22.9	18.5	28.8	35.6	21.0	16.6	26.7
Washington	21.3	27.3	25.6	25.8	23.8	29.0	24.6	22.6
West Virginia	24.2	30.7	23.2	21.9	29.6	32.0	19.6	18.8
Wisconsin	20.6	23.4	24.7	31.2	21.0	24.6	24.6	29.9
Wyoming	31.5	27.8	21.1	19.7	39.6	25.3	18.0	17.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.22b. Distribution of EBT Benefit Redemption by Day of Week, FY 2022

State	EBT Benefit Redemption by Day of Week													
	Distribution of Number of Transactions							Distribution of Dollars Redeemed						
	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Total U.S.	14.1	14.6	14.6	14.3	14.3	14.0	14.1	14.0	14.3	14.1	13.7	14.0	14.7	15.2
Alabama	14.1	14.3	14.4	13.8	13.9	14.8	14.7	13.8	13.9	14.0	13.1	13.5	15.9	15.8
Alaska	13.3	14.6	14.9	14.6	15.0	14.6	13.1	13.0	14.4	14.8	14.3	15.4	15.0	13.1
Arizona	14.0	14.5	14.6	14.4	14.4	14.1	14.0	13.8	14.2	14.3	13.9	14.0	14.7	15.1
Arkansas	14.5	14.7	14.3	13.7	14.0	14.3	14.5	14.2	14.2	13.7	13.1	14.0	15.3	15.4
California	14.4	15.0	14.9	14.5	14.2	13.3	13.7	14.7	15.0	14.5	13.9	13.6	13.5	14.8
Colorado	14.2	14.7	14.5	14.1	14.5	13.9	14.1	14.1	14.5	14.1	13.6	14.1	14.4	15.2
Connecticut	14.1	14.1	14.3	13.9	14.8	14.5	14.3	13.7	13.5	13.7	13.2	14.9	15.4	15.5
Delaware	13.7	13.7	13.6	15.1	15.1	14.5	14.3	13.3	12.8	12.6	15.2	14.9	15.4	15.9
District of Columbia	13.9	14.4	14.5	14.3	14.3	14.1	14.5	13.5	13.6	13.6	13.7	13.8	15.3	16.5
Florida	14.2	14.6	14.5	14.0	14.1	14.2	14.5	14.1	14.1	14.0	13.2	13.6	15.1	16.0
Georgia	14.1	14.5	14.3	13.9	14.0	14.5	14.7	13.9	14.2	13.6	13.3	13.6	15.5	15.9
Guam	14.6	14.3	14.1	13.6	13.9	14.5	15.0	13.8	13.7	13.6	13.2	14.7	16.0	15.0
Hawaii	13.3	14.3	14.9	14.6	14.8	14.6	13.6	13.0	14.0	14.7	14.3	14.7	14.9	14.3
Idaho	14.0	14.6	14.6	14.4	14.5	14.1	13.9	13.9	14.3	14.2	13.9	14.3	14.7	14.9
Illinois	14.3	14.7	14.5	14.2	14.2	14.0	14.1	14.3	14.4	14.1	13.7	13.8	14.5	15.1
Indiana	14.4	14.6	14.4	14.0	13.8	14.2	14.6	14.4	14.4	13.9	13.4	13.3	14.9	15.7
Iowa	14.5	14.7	14.6	14.1	14.3	14.2	13.7	14.1	14.2	14.1	13.5	14.3	15.2	14.6
Kansas	14.3	14.6	14.4	13.9	14.2	14.2	14.4	14.0	14.3	14.0	13.5	14.0	14.9	15.3
Kentucky	14.2	14.4	14.8	14.2	14.3	14.0	14.2	13.7	14.0	14.8	13.8	14.1	14.5	15.2
Louisiana	14.4	14.4	14.2	13.7	13.4	14.9	15.1	14.2	13.9	13.4	12.8	12.9	16.3	16.5
Maine	14.2	14.3	14.5	14.0	15.3	14.2	13.4	13.9	13.9	14.0	13.6	15.8	14.8	14.1
Maryland	14.1	14.4	14.5	14.1	14.0	14.3	14.6	13.8	13.8	13.7	13.3	13.5	15.4	16.4
Massachusetts	14.0	14.7	14.8	14.6	14.4	14.0	13.4	14.1	14.5	14.3	14.1	13.9	14.8	14.3
Michigan	14.4	14.7	14.4	14.0	14.0	13.9	14.6	14.5	14.5	13.9	13.5	13.5	14.3	15.9
Minnesota	13.8	14.0	14.3	14.4	14.9	14.6	14.1	13.3	13.3	13.9	14.1	15.1	15.4	14.9
Mississippi	14.2	14.7	14.5	14.0	13.6	14.5	14.6	13.9	14.2	13.8	13.6	13.3	15.6	15.5
Missouri	14.2	14.7	14.5	13.8	14.0	14.2	14.6	13.9	14.4	14.1	13.4	13.8	14.9	15.5
Montana	14.3	14.4	14.4	14.4	14.5	14.2	13.8	13.9	13.9	14.0	14.0	14.5	15.1	14.6
Nebraska	14.3	14.5	14.3	14.0	14.1	14.3	14.5	14.0	13.9	13.7	13.4	13.9	15.3	15.7
Nevada	13.5	14.6	15.0	14.7	14.4	13.9	13.8	13.2	14.8	15.1	14.4	13.9	14.2	14.5
New Hampshire	14.2	15.1	14.5	14.2	14.4	13.7	14.0	14.0	15.4	13.8	13.4	14.2	14.1	15.1
New Jersey	14.2	14.6	14.6	14.4	14.3	13.8	14.1	13.9	14.0	14.0	13.8	13.9	14.7	15.8
New Mexico	14.6	15.0	14.7	14.1	14.0	13.5	14.2	14.7	14.8	14.2	13.4	13.5	13.8	15.6
New York	13.9	14.4	14.9	14.9	15.1	13.7	13.1	13.4	14.0	14.5	14.6	15.0	14.5	14.0
North Carolina	14.3	14.5	14.4	14.2	14.1	14.1	14.5	14.4	14.1	13.7	13.6	13.7	14.7	15.9
North Dakota	14.1	14.6	14.6	14.0	14.8	14.3	13.5	13.6	14.3	14.7	13.5	15.3	14.9	13.8

State	EBT Benefit Redemption by Day of Week													
	Distribution of Number of Transactions							Distribution of Dollars Redeemed						
	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Ohio	14.0	14.1	14.1	14.0	14.8	14.7	14.4	13.7	13.7	13.5	13.6	14.7	15.4	15.4
Oklahoma	14.0	14.6	14.5	13.9	14.2	14.2	14.4	13.5	14.3	14.1	13.3	14.2	14.9	15.7
Oregon	13.8	14.5	14.6	14.4	14.6	14.2	13.9	13.8	14.4	14.3	13.9	14.4	14.6	14.7
Pennsylvania	13.7	14.5	14.9	14.9	15.1	14.0	13.0	13.3	14.2	14.6	14.7	15.2	14.5	13.5
Rhode Island	14.1	14.6	14.9	14.4	14.5	13.8	13.7	13.9	14.5	14.6	13.9	14.4	14.3	14.5
South Carolina	14.0	14.5	14.5	14.1	14.0	14.5	14.3	13.7	14.1	14.1	13.5	13.8	15.6	15.2
South Dakota	14.2	14.1	14.1	14.4	14.6	14.1	14.6	13.5	12.9	13.6	14.2	15.0	15.0	15.9
Tennessee	14.3	14.5	14.5	14.0	14.1	14.1	14.5	14.3	14.2	13.9	13.4	13.8	14.8	15.6
Texas	14.0	14.5	14.5	14.1	14.0	14.3	14.6	13.9	14.4	14.1	13.5	13.5	14.9	15.7
Utah	14.3	14.7	14.4	13.8	14.1	14.4	14.3	14.1	14.4	13.9	13.1	13.8	15.3	15.5
Vermont	14.3	14.3	14.6	13.8	14.6	14.3	14.0	14.0	13.9	14.1	13.0	14.7	15.2	15.2
Virginia	13.8	14.2	14.3	14.3	14.5	14.5	14.3	13.6	13.8	13.7	14.0	14.5	15.2	15.2
Virgin Islands	14.8	15.1	14.8	13.9	14.1	14.1	13.2	14.6	14.9	14.4	13.2	13.6	15.1	14.1
Washington	13.9	14.6	14.6	14.4	14.6	14.2	13.8	13.8	14.3	14.3	14.0	14.4	14.7	14.5
West Virginia	14.1	14.1	14.5	14.7	14.9	14.1	13.5	13.8	13.4	14.1	14.7	15.0	14.7	14.2
Wisconsin	14.7	14.8	14.4	13.8	13.7	13.5	15.2	14.8	14.3	13.6	12.9	13.1	13.8	17.5
Wyoming	14.2	14.5	14.4	14.2	14.4	14.1	14.1	13.8	14.0	14.0	13.8	14.3	15.1	14.9

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.23. Prevalence of EBT Purchase Transaction Inactivity, for Households Grouped by Monthly Issuance Amount, FY 2022

State	Average Monthly Number of Households	Percentage of Households Ever Inactive During FY2022												
		All Households	Households Grouped by Monthly Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	27,243,028	5.2	29.9	21.6	13.7	8.6	6.6	4.3	5.4	4.8	7.3	6.5	4.7	4.6
Alabama	516,933	2.5	-	-	-	-	0.7	2.6	3.7	3.0	5.2	2.9	2.1	1.9
Alaska	46,827	8.4	-	65.3	32.9	26.4	24.1	18.1	12.9	11.6	11.4	9.0	12.4	4.4
Arizona [‡]	450,988	5.2	3.0	1.6	5.6	9.8	8.5	6.4	6.1	4.9	6.7	6.3	4.2	3.3
Arkansas [†]	176,597	8.3	28.3	18.0	10.6	6.6	5.8	5.4	5.3	6.7	7.1	7.1	5.2	6.1
California	4,221,423	4.5	-	-	-	-	1.8	3.0	4.5	4.5	7.4	7.4	4.6	4.3
Colorado	359,209	7.9	-	-	0.0	0.0	0.9	6.7	9.5	8.4	9.7	10.2	7.3	7.3
Connecticut	246,196	6.0	-	-	-	-	0.0	5.2	7.4	5.2	9.7	11.3	6.2	5.9
Delaware	70,193	4.6	-	-	-	-	3.5	3.4	5.5	5.3	6.7	6.0	4.2	4.2
District of Columbia [‡]	89,956	5.7	-	-	-	-	-	5.5	6.5	6.3	7.8	6.5	5.1	4.5
Florida ^{††}	1,788,293	8.6	30.9	23.3	14.5	9.8	8.5	6.2	5.8	6.5	7.3	6.9	5.3	5.1
Georgia	945,176	3.8	0.0	-	3.0	4.8	4.6	4.7	5.8	3.9	4.5	4.8	3.7	2.5
Guam	22,890	6.5	-	-	-	-	-	-	-	6.1	4.3	7.6	4.7	7.2
Hawaii	118,480	5.5	-	-	0.0	-	-	-	1.6	0.8	2.2	4.9	4.4	6.1
Idaho [†]	77,234	6.1	32.5	27.1	12.2	7.3	5.7	3.8	4.6	3.2	3.3	2.3	1.7	1.8
Illinois	1,202,725	3.4	-	-	-	-	0.9	3.3	4.3	3.5	6.0	7.0	3.5	2.3
Indiana [‡]	398,623	5.3	-	-	1.4	4.8	6.9	6.0	7.6	5.0	5.4	4.5	6.0	4.4
Iowa [‡]	165,144	6.0	7.2	2.3	9.4	13.4	7.9	5.3	5.8	4.2	5.3	5.7	5.1	4.5
Kansas	112,246	2.5	-	-	0.0	0.0	0.6	1.8	2.9	3.7	5.2	3.3	2.4	1.7
Kentucky [‡]	343,559	6.5	3.0	1.7	3.7	9.7	6.8	6.8	9.2	5.0	6.5	8.1	7.4	5.8
Louisiana	582,742	6.8	-	-	-	-	1.2	5.1	8.0	5.5	7.6	10.3	7.0	7.4
Maine	100,769	3.8	-	-	-	-	1.7	4.0	5.2	3.8	6.9	4.0	3.5	2.5
Maryland ^{b‡}	599,164	6.7	-	-	-	-	0.0	5.6	8.3	7.4	6.7	6.2	7.2	6.2
Massachusetts	680,089	2.1	-	-	-	-	0.2	2.1	2.5	2.7	3.3	2.4	1.2	0.8

Appendix B Redemption Patterns by State

State	Average Monthly Number of Households	Percentage of Households Ever Inactive During FY2022												
		All Households	Households Grouped by Monthly Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Michigan	843,821	5.2	-	-	-	-	0.9	4.9	5.6	5.1	9.2	8.2	4.9	4.4
Minnesota	276,788	3.5	-	-	0.0	0.0	1.4	3.8	5.0	4.0	6.6	4.1	3.0	2.1
Mississippi	285,698	5.5	12.0	12.3	14.8	7.9	6.0	3.8	3.1	3.5	3.9	3.5	3.1	3.0
Missouri†	346,311	4.3	23.3	17.2	9.2	5.0	4.5	3.1	3.7	3.8	3.4	2.5	2.1	2.0
Montana†	46,552	10.8	40.1	29.4	18.7	11.6	9.0	7.3	7.4	8.6	9.3	7.7	6.5	5.4
Nebraska†	88,837	6.0	30.1	21.7	12.0	7.2	5.4	4.4	4.1	4.1	4.2	3.2	2.3	2.4
Nevada	318,778	3.6	-	-	0.0	0.0	1.2	3.3	4.1	4.1	6.8	5.2	3.5	2.5
New Hampshire	41,307	6.3	-	-	-	-	-	8.0	8.8	5.9	6.8	6.2	5.3	5.0
New Jersey‡	498,082	7.9	-	-	-	-	-	7.6	9.5	8.8	8.1	6.6	7.0	7.2
New Mexico‡	324,644	9.2	-	-	-	-	1.5	6.3	10.4	9.2	12.0	10.5	9.8	9.2
New York	2,021,576	5.9	-	-	-	-	-	4.6	6.0	5.1	9.5	11.3	5.5	6.0
North Carolina	922,633	3.6	-	-	-	0.0	0.8	4.2	5.0	3.8	5.9	5.7	3.7	2.6
North Dakota†	27,603	8.7	32.9	27.4	18.6	12.3	8.8	6.0	7.1	7.2	7.1	7.2	5.9	4.9
Ohio	889,698	3.7	-	-	0.0	0.0	1.0	3.5	4.6	3.9	6.5	4.6	3.5	3.0
Oklahoma	458,653	4.0	-	-	-	-	0.0	3.5	4.8	5.0	6.8	6.4	3.3	3.1
Oregon	430,440	4.8	-	-	-	-	2.8	4.6	6.0	5.1	7.6	8.6	4.1	3.4
Pennsylvania	1,196,390	2.8	-	-	-	-	0.0	3.1	3.7	2.9	6.8	3.6	1.9	2.0
Rhode Island	93,218	6.7	-	-	0.0	-	0.0	5.1	6.7	6.7	12.8	9.9	6.4	6.2
South Carolina‡	406,997	6.4	-	-	-	-	-	4.0	7.1	5.8	10.1	10.4	7.1	7.1
South Dakota†	38,473	5.2	27.9	21.7	15.4	8.6	6.3	4.6	4.4	3.5	3.4	3.0	2.4	2.0
Tennessee‡	533,821	5.0	14.5	8.2	16.4	7.7	5.4	4.3	3.9	3.8	4.7	3.4	3.0	2.6
Texas	1,910,667	7.9	-	-	-	-	0.5	5.2	7.6	6.8	10.1	9.7	8.2	8.8
Utah	92,614	5.8	-	-	-	-	0.8	3.8	6.5	6.5	8.2	9.4	5.7	5.3
Vermont	29,814	2.5	-	-	-	-	0.0	2.8	3.0	3.1	4.6	3.2	1.8	1.9
Virginia	514,205	5.2	-	-	-	-	0.0	4.0	6.5	5.4	8.0	9.4	5.2	4.8
Virgin Islands	13,822	4.5	-	-	-	-	-	-	0.0	0.2	0.5	0.4	1.3	8.9

Appendix B Redemption Patterns by State

State	Average Monthly Number of Households	Percentage of Households Ever Inactive During FY2022												
		All Households	Households Grouped by Monthly Issuance Amount											
			<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Washington [‡]	602,539	4.1	-	-	-	-	1.5	3.6	5.2	4.8	6.8	4.4	3.0	2.8
West Virginia	230,429	2.8	-	-	-	-	0.0	2.7	3.9	3.1	4.4	4.1	1.9	2.3
Wisconsin	424,462	2.9	-	-	-	-	0.0	3.1	4.7	3.5	6.7	5.3	1.9	1.4
Wyoming [†]	18,698	7.4	-	-	4.9	12.1	9.8	6.8	8.6	6.6	8.1	7.7	6.8	6.7

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Issuance amount categories are the combined standard and EA issuance for the benefit month, rather than the issuance amount associated with an individual issuance period. Households are identified as ever inactive if, during any month no transactions were made but receipt of issuance was inferred by the observation of an issuance in the following month that was sufficiently large to reflect one or more months of benefit receipt.

– Cell size empty or too small to display. Occurs in combination States where few or no split issuances are observed.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.24 Distribution of Households by Months of EBT Purchase Inactivity, FY 2022

State	Average Monthly Number of Households	Percentage of Households by Number of Months of Inactivity				Percentage of Households with Consecutive Months of Inactivity
		Zero	One	Two	More Than Two	
Total U.S.	27,243,028	94.8	4.7	0.4	0.1	0.3
Alabama	516,933	97.5	2.4	0.1	0.0	0.1
Alaska	46,827	91.6	6.3	1.2	0.8	1.4
Arizona [†]	450,988	94.8	4.8	0.4	0.1	0.3
Arkansas [†]	176,597	91.7	6.8	1.0	0.5	0.8
California	4,221,423	95.5	4.2	0.3	0.1	0.2
Colorado	359,209	92.1	7.2	0.5	0.1	0.4
Connecticut	246,196	94.0	5.4	0.4	0.1	0.3
Delaware	70,193	95.4	4.4	0.2	0.1	0.2
District of Columbia [‡]	89,956	94.3	4.9	0.6	0.2	0.6
Florida ^{‡†}	1,788,293	91.4	7.2	1.0	0.4	0.7
Georgia	945,176	96.2	3.5	0.2	0.0	0.1
Guam	22,890	93.5	6.0	0.3	0.2	0.4
Hawaii	118,480	94.5	5.1	0.3	0.1	0.3
Idaho [†]	77,234	93.9	4.7	0.9	0.5	0.8
Illinois	1,202,725	96.6	3.1	0.2	0.1	0.2
Indiana [‡]	398,623	94.7	4.9	0.4	0.1	0.3
Iowa [‡]	165,144	94.0	5.5	0.5	0.1	0.3
Kansas	112,246	97.5	2.3	0.2	0.0	0.1
Kentucky [‡]	343,559	93.5	6.1	0.3	0.0	0.1
Louisiana	582,742	93.2	6.4	0.3	0.1	0.2
Maine	100,769	96.2	3.3	0.3	0.1	0.3
Maryland ^{b‡}	599,164	93.3	5.9	0.6	0.2	0.6
Massachusetts	680,089	97.9	1.8	0.2	0.0	0.1
Michigan	843,821	94.8	4.6	0.5	0.1	0.3
Minnesota	276,788	96.5	3.2	0.3	0.1	0.2
Mississippi	285,698	94.5	4.7	0.6	0.2	0.4
Missouri [†]	346,311	95.7	3.5	0.5	0.2	0.4
Montana [†]	46,552	89.2	8.0	1.6	1.2	1.8
Nebraska [†]	88,837	94.0	4.6	0.9	0.5	0.8
Nevada	318,778	96.4	3.2	0.2	0.1	0.2
New Hampshire	41,307	93.7	5.8	0.4	0.1	0.3
New Jersey [‡]	498,082	92.1	6.7	0.9	0.3	0.9
New Mexico [‡]	324,644	90.8	8.5	0.6	0.2	0.4
New York	2,021,576	94.1	5.3	0.4	0.2	0.3
North Carolina	922,633	96.4	3.4	0.2	0.1	0.2

State	Average Monthly Number of Households	Percentage of Households by Number of Months of Inactivity				Percentage of Households with Consecutive Months of Inactivity
		Zero	One	Two	More Than Two	
North Dakota [†]	27,603	91.3	6.9	1.2	0.5	0.9
Ohio	889,698	96.3	3.4	0.3	0.1	0.2
Oklahoma	458,653	96.0	3.6	0.3	0.1	0.2
Oregon	430,440	95.2	4.1	0.5	0.2	0.5
Pennsylvania	1,196,390	97.2	2.6	0.2	0.1	0.1
Rhode Island	93,218	93.3	5.6	0.7	0.3	0.7
South Carolina [‡]	406,997	93.6	5.9	0.4	0.1	0.3
South Dakota [†]	38,473	94.8	4.0	0.8	0.4	0.6
Tennessee [‡]	533,821	95.0	4.2	0.5	0.2	0.4
Texas	1,910,667	92.1	7.0	0.7	0.2	0.7
Utah	92,614	94.2	5.4	0.3	0.1	0.2
Vermont	29,814	97.5	2.3	0.2	0.1	0.2
Virginia	514,205	94.8	4.8	0.3	0.1	0.2
Virgin Islands	13,822	95.5	4.2	0.3	0.0	0.3
Washington [‡]	602,539	95.9	3.5	0.5	0.2	0.5
West Virginia	230,429	97.2	2.5	0.2	0.1	0.2
Wisconsin	424,462	97.1	2.6	0.2	0.1	0.2
Wyoming [‡]	18,698	92.6	6.7	0.6	0.1	0.4

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Households are identified as ever inactive if, during any month no transactions were made but receipt of issuance was inferred by the observation of an issuance in the following month that was sufficiently large to reflect one or more months of benefit receipt.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.25 Distribution of Households by Months of EBT Participation, FY 2022

State	Average Number of Months of Participation	Number of Months of Participation (Percentage of Households)				
		1-2 Months	3-5 Months	6-8 Months	9-11 Months	12 Months
Total U.S.	6.6	24.5	25.1	11.4	11.0	28.0
Alabama	6.7	18.1	32.4	12.3	8.2	28.9
Alaska	6.7	31.8	16.4	6.7	16.4	28.7
Arizona	6.4	31.6	18.5	10.7	12.1	27.2
Arkansas	5.2	44.1	17.7	9.0	10.7	18.5
California	6.1	15.4	41.4	14.3	8.6	20.3
Colorado	6.1	28.1	27.0	11.3	10.0	23.6
Connecticut	7.6	22.0	18.2	8.4	10.7	40.6
Delaware	7.1	23.6	19.5	12.0	11.9	33.0
District of Columbia	8.5	16.3	12.6	8.5	16.6	46.1
Florida	6.4	29.8	20.2	11.1	14.6	24.4
Georgia	7.1	21.4	23.3	10.4	13.7	31.1
Guam	5.7	24.9	36.6	11.8	7.1	19.6
Hawaii	6.6	25.6	25.2	9.3	10.3	29.7
Idaho	5.4	37.5	24.7	10.2	8.8	18.8
Illinois	7.2	27.8	14.7	8.7	11.8	37.1
Indiana	5.5	36.1	25.4	8.5	10.1	20.1
Iowa	6.0	35.5	17.8	10.7	11.9	24.0
Kansas	7.9	14.1	20.2	13.9	13.4	38.4
Kentucky	5.4	40.3	21.8	7.6	9.5	20.7
Louisiana	5.5	32.8	29.1	9.8	7.8	20.5
Maine	8.4	16.7	15.2	9.3	10.7	48.2
Maryland	6.7	17.0	30.6	15.1	14.7	22.6
Massachusetts	7.1	21.4	21.7	12.2	11.8	32.9
Michigan	5.6	43.0	15.1	7.1	9.3	25.5
Minnesota	6.0	27.2	29.5	11.6	9.3	22.3
Mississippi	5.8	28.3	32.4	9.0	9.2	21.1
Missouri	7.7	18.7	17.3	13.1	15.4	35.5
Montana	6.9	27.2	16.2	12.6	15.2	28.8
Nebraska	6.1	31.3	22.8	10.9	11.2	23.8
Nevada	6.8	13.1	36.4	14.6	10.3	25.5
New Hampshire	7.5	19.0	21.2	11.2	12.1	36.4
New Jersey	7.5	21.2	17.9	10.7	14.3	35.9
New Mexico	7.3	20.2	20.0	14.2	11.7	33.9
New York	7.8	11.7	26.0	13.0	11.6	37.6
North Carolina	7.8	21.4	14.6	10.5	14.0	39.4
North Dakota	5.4	45.3	13.8	9.4	10.6	21.0

State	Average Number of Months of Participation	Number of Months of Participation (Percentage of Households)				
		1-2 Months	3-5 Months	6-8 Months	9-11 Months	12 Months
Ohio	7.1	24.1	21.3	8.5	9.4	36.6
Oklahoma	6.5	21.4	26.5	18.4	9.9	23.7
Oregon	7.7	16.9	21.5	11.1	13.8	36.7
Pennsylvania	6.9	26.0	20.3	9.6	9.8	34.3
Rhode Island	7.6	21.4	17.2	9.7	11.0	40.7
South Carolina	4.8	49.2	17.7	6.6	6.6	19.8
South Dakota	6.9	25.0	20.8	10.8	12.4	30.9
Tennessee	6.0	33.7	21.2	9.7	11.5	23.9
Texas	6.7	24.4	22.0	13.2	13.5	26.9
Utah	6.3	27.9	24.0	12.2	10.8	25.0
Vermont	6.7	23.1	25.2	10.8	10.7	30.2
Virginia	6.2	33.3	19.9	8.9	8.9	29.0
Virgin Islands	7.8	13.3	24.5	12.5	11.9	37.8
Washington	6.4	32.7	18.5	9.0	10.3	29.4
West Virginia	5.8	29.4	30.9	8.1	7.0	24.6
Wisconsin	8.6	12.0	15.8	12.6	14.5	45.0
Wyoming	5.2	37.5	26.2	10.2	10.0	16.1

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.26 Average Number of EBT Purchase Transactions per Household, by Month, FY 2022

State	Average Number of EBT Purchase Transactions, by Month											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total U.S.	10.9	10.6	11.1	10.1	9.6	11.0	11.0	11.5	11.1	11.1	11.1	10.6
Alabama	12.4	11.8	10.9	9.3	11.3	12.1	12.4	12.4	12.6	12.8	10.3	10.5
Alaska	11.9	11.3	11.3	10.7	10.1	10.7	10.8	11.6	11.5	11.5	10.7	10.6
Arizona	11.7	11.9	12.3	12.2	12.1	13.2	13.2	10.8	10.0	10.1	10.8	11.7
Arkansas	8.3	7.8	7.9	7.5	7.4	7.9	7.9	8.3	7.9	7.9	7.8	7.3
California	8.7	9.4	9.1	8.6	7.6	10.0	10.6	11.0	11.2	11.3	12.0	11.9
Colorado	11.6	11.2	10.4	8.8	8.9	10.4	11.0	11.7	11.6	12.0	11.7	11.5
Connecticut	11.4	10.3	10.5	9.9	9.9	10.6	10.7	11.2	11.2	11.5	11.0	10.5
Delaware	12.5	12.5	13.3	11.1	11.3	12.8	11.5	13.1	11.6	13.4	12.9	12.3
District of Columbia	11.7	10.7	10.9	10.6	10.1	10.9	10.8	11.2	11.2	11.1	12.4	11.5
Florida	9.3	8.1	9.5	7.7	6.7	7.4	7.2	7.5	7.1	7.4	7.3	7.3
Georgia	14.3	13.5	14.5	12.5	10.9	11.3	11.5	12.2	10.9	8.9	8.4	8.3
Guam	15.8	14.9	16.8	18.4	19.6	21.3	13.8	14.2	16.4	18.4	20.3	21.0
Hawaii	14.6	15.0	15.6	16.0	15.8	17.2	17.0	17.5	17.4	14.2	13.1	12.7
Idaho	7.8	8.0	6.7	6.6	6.3	7.0	7.3	7.7	7.8	8.2	8.2	8.0
Illinois	11.0	11.0	11.8	11.3	10.7	12.6	12.1	13.2	13.1	13.7	14.3	12.4
Indiana	11.2	11.2	11.4	10.3	9.9	11.4	11.1	11.5	10.0	7.8	8.2	7.7
Iowa	10.1	10.5	11.2	10.8	10.9	11.7	9.2	9.1	8.6	8.7	8.6	9.2
Kansas	14.0	14.5	13.5	11.2	11.4	12.4	12.6	13.2	12.9	13.1	13.1	12.8
Kentucky	9.7	10.3	11.4	10.8	10.6	12.2	12.0	9.7	7.4	7.7	7.9	7.8
Louisiana	9.9	10.0	12.0	11.4	10.8	11.6	10.0	10.6	11.0	11.4	11.6	9.0
Maine	11.7	11.5	10.7	10.5	9.7	11.1	11.2	11.8	11.3	11.6	11.3	11.3
Maryland	8.9	7.9	8.8	8.9	8.6	10.0	9.5	10.0	9.7	9.2	7.9	7.7
Massachusetts	10.5	10.2	10.3	9.7	9.4	10.3	10.2	10.5	10.1	10.0	9.8	9.6
Michigan	9.2	10.4	10.9	11.1	10.1	12.2	12.1	12.9	12.0	12.8	13.9	11.3
Minnesota	9.6	9.6	9.9	9.7	8.9	9.6	9.7	9.8	10.4	9.1	9.3	8.9
Mississippi	10.2	11.0	10.8	8.2	7.5	8.1	7.9	8.3	7.8	8.1	7.9	8.0
Missouri	10.8	9.8	9.7	8.7	8.0	9.2	9.0	9.5	9.3	9.5	9.4	9.2
Montana	9.0	8.4	8.2	7.9	7.7	8.1	8.0	8.4	8.2	8.6	8.9	9.2
Nebraska	9.3	8.5	8.3	8.0	8.0	8.2	8.2	8.3	7.8	8.2	8.2	8.3
Nevada	12.0	11.5	11.5	10.5	10.1	11.7	12.0	12.6	12.5	12.9	12.7	12.5
New Hampshire	11.1	10.5	10.0	9.8	9.0	10.1	10.2	10.9	10.9	11.1	10.9	10.5
New Jersey	11.8	11.3	11.0	10.3	10.2	11.0	10.9	11.4	11.4	11.5	12.6	12.5
New Mexico	11.9	11.2	12.1	10.3	10.3	11.2	11.2	11.6	11.3	12.4	12.4	9.6
New York	12.9	12.0	12.4	11.5	11.6	12.9	13.0	13.1	12.4	12.5	13.0	12.4
North Carolina	12.6	12.1	13.2	12.2	10.5	12.3	11.8	12.8	11.6	12.8	12.7	11.6
North Dakota	8.3	8.2	8.0	7.6	7.4	7.8	7.6	8.0	8.0	7.5	7.5	6.7
Ohio	12.0	12.8	12.1	10.7	10.1	11.9	11.3	13.3	12.6	11.9	11.5	10.6

State	Average Number of EBT Purchase Transactions, by Month											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Oklahoma	12.0	11.1	12.9	11.0	9.7	11.2	12.2	12.8	13.6	12.9	11.8	11.5
Oregon	12.8	11.6	11.5	11.8	11.7	12.6	12.4	13.0	12.9	13.3	13.2	12.7
Pennsylvania	11.4	10.4	10.8	10.4	10.3	11.5	11.5	12.5	11.4	11.5	11.1	10.8
Rhode Island	11.0	10.9	11.1	10.6	10.2	10.6	10.5	11.2	11.6	11.9	11.6	10.5
South Carolina	9.2	9.5	10.3	10.2	10.2	11.6	11.5	12.0	11.5	11.2	10.7	9.3
South Dakota	10.6	12.3	10.0	9.4	8.8	9.4	12.0	9.3	8.7	8.8	8.9	8.8
Tennessee	10.3	10.4	11.2	8.9	8.1	8.3	8.0	8.6	8.3	8.3	7.9	7.4
Texas	12.9	12.6	13.6	11.2	10.7	11.8	12.1	12.3	11.6	12.1	12.4	12.1
Utah	11.5	11.6	11.3	11.9	11.4	13.0	11.4	13.7	12.7	11.8	13.3	13.1
Vermont	11.9	11.6	11.8	11.4	11.0	11.6	11.4	10.4	11.5	12.0	11.0	10.6
Virginia	11.3	11.6	12.3	11.6	11.4	12.5	12.5	12.8	11.7	11.7	11.2	11.0
Virgin Islands	10.6	10.4	10.7	10.7	10.4	11.2	10.7	11.7	10.7	11.6	10.3	10.5
Washington	9.3	9.3	9.7	9.9	9.8	10.9	10.7	11.2	11.1	11.6	10.6	9.4
West Virginia	9.8	10.5	11.2	10.5	10.8	11.6	9.3	9.7	11.1	10.9	8.5	8.3
Wisconsin	13.7	12.0	12.4	11.2	11.1	11.6	11.3	12.6	12.4	12.7	11.9	13.5
Wyoming	12.3	10.7	9.6	9.0	9.3	10.6	10.9	9.3	8.8	8.6	8.5	8.4

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.27 Average EBT Purchase Amount: by Month, FY 2022

State	Average EBT Purchase Amount, by Month (\$)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total U.S.	38.77	39.55	40.55	40.94	40.29	38.92	38.55	37.54	37.72	38.32	38.87	39.16
Alabama	36.84	35.85	38.37	36.56	40.73	37.88	38.17	36.39	37.51	38.29	40.71	38.86
Alaska	54.63	56.34	58.07	59.35	60.10	57.33	55.27	53.69	53.39	55.50	56.85	59.19
Arizona	37.35	37.09	37.73	37.52	37.99	37.45	36.75	34.03	34.70	35.05	35.58	37.59
Arkansas	36.77	36.78	36.89	38.39	40.18	38.54	37.81	36.58	37.58	37.58	38.45	39.30
California	38.58	41.39	42.07	40.82	38.88	37.66	36.94	36.34	36.24	35.98	35.59	36.13
Colorado	37.93	38.32	42.70	41.25	40.72	40.05	38.86	37.78	37.72	37.01	37.54	37.84
Connecticut	44.47	42.47	42.12	43.06	42.97	41.65	41.14	40.00	39.48	39.37	39.56	40.87
Delaware	36.65	36.70	37.59	40.42	38.47	37.36	37.10	36.19	35.77	36.32	38.09	40.13
District of Columbia	41.51	41.67	42.60	44.98	43.30	41.38	41.40	40.27	39.26	40.07	45.88	42.08
Florida	40.35	38.82	41.22	40.49	39.55	38.70	38.86	38.53	39.32	39.30	39.52	41.26
Georgia	37.21	42.35	44.81	48.59	42.82	40.81	40.16	39.13	38.34	40.22	40.49	40.91
Guam	37.48	37.91	39.21	38.13	38.92	38.51	38.44	35.66	38.90	39.65	39.62	40.22
Hawaii	45.29	44.50	46.60	46.02	46.66	45.47	45.87	45.59	45.99	46.86	45.05	43.82
Idaho	36.21	36.77	41.05	41.06	39.23	38.49	38.15	37.19	37.45	36.66	36.80	37.21
Illinois	35.98	36.63	36.91	38.75	39.14	37.13	36.87	35.47	35.75	35.92	38.58	36.51
Indiana	38.31	39.59	39.98	42.15	43.71	40.68	40.51	38.74	36.31	42.58	38.77	37.82
Iowa	35.62	36.98	38.05	39.82	39.50	38.41	35.80	33.72	33.71	33.48	33.60	34.09
Kansas	37.53	38.01	37.35	37.49	37.51	36.51	35.65	34.90	34.78	34.80	34.59	34.63
Kentucky	39.19	39.96	39.92	42.56	42.16	40.02	39.88	35.74	36.11	36.67	36.97	47.19
Louisiana	37.74	40.76	41.04	39.94	40.68	40.00	39.30	38.12	39.21	39.41	39.53	39.65
Maine	39.25	41.84	41.59	42.06	42.76	40.80	39.61	38.50	38.83	37.69	38.67	40.08
Maryland	40.92	42.01	42.58	45.56	44.93	43.11	42.93	42.38	42.43	42.60	43.85	43.52
Massachusetts	42.30	42.35	42.55	44.53	44.05	42.77	42.04	40.92	40.50	42.21	43.71	42.23
Michigan	38.15	38.63	38.89	40.07	40.70	38.16	37.91	37.10	36.85	37.51	40.92	39.87
Minnesota	39.45	40.49	42.34	43.50	43.67	41.79	41.65	39.25	39.34	42.50	42.82	40.31
Mississippi	36.57	38.12	34.74	35.43	37.19	36.48	37.37	36.18	37.04	37.32	38.04	37.52
Missouri	35.67	35.93	35.97	37.89	39.63	36.99	36.49	35.32	35.52	35.74	36.18	35.98
Montana	38.26	38.42	39.46	39.64	40.39	39.43	39.05	37.76	37.80	37.22	37.70	41.59
Nebraska	40.03	38.34	38.28	38.81	38.84	39.02	38.63	36.92	36.96	37.05	37.11	36.80
Nevada	41.56	40.15	43.56	40.25	38.16	36.47	36.13	35.52	34.61	34.53	35.17	34.82
New Hampshire	42.18	43.06	46.97	49.53	45.96	44.65	44.11	42.23	41.54	41.04	41.50	42.46
New Jersey	44.87	46.05	44.47	45.92	45.20	43.48	43.20	42.01	41.39	41.53	42.87	44.42
New Mexico	37.25	40.07	39.24	40.40	40.09	39.52	39.00	38.44	38.65	38.41	38.79	40.45
New York	34.70	35.52	35.72	36.66	36.25	34.62	34.50	33.74	35.14	33.54	33.74	33.98
North Carolina	37.70	37.80	37.64	40.26	39.09	38.32	38.16	37.83	37.95	42.49	41.26	40.06
North Dakota	38.82	39.59	40.99	42.54	43.34	42.39	43.10	41.24	40.55	47.93	43.23	40.90

State	Average EBT Purchase Amount, by Month (\$)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Ohio	36.79	37.88	38.60	40.69	40.93	38.63	38.53	37.01	38.12	41.82	38.68	38.51
Oklahoma	34.02	33.94	34.82	37.64	37.39	35.67	34.35	33.78	35.67	35.95	35.41	33.58
Oregon	40.15	39.23	38.61	37.31	36.63	36.04	35.63	34.74	34.16	33.41	33.29	33.65
Pennsylvania	40.48	40.04	39.97	41.55	40.45	39.28	38.73	37.69	37.44	37.20	36.80	37.84
Rhode Island	36.15	37.54	37.90	39.60	40.40	38.75	37.50	37.45	37.06	37.49	39.87	38.58
South Carolina	39.92	38.49	39.20	40.96	41.47	40.73	40.77	40.02	40.62	41.53	42.17	42.62
South Dakota	38.06	40.72	39.41	39.45	40.40	38.99	46.57	39.62	39.53	39.07	38.74	38.99
Tennessee	38.67	39.67	39.56	39.07	39.59	37.81	37.60	36.54	37.20	38.72	37.29	43.44
Texas	43.72	42.59	46.26	43.90	44.17	43.37	42.79	42.01	42.62	42.80	43.70	42.69
Utah	39.75	38.94	39.69	39.98	40.13	39.11	38.14	37.96	36.88	36.54	40.38	41.54
Vermont	41.70	41.18	41.71	42.82	43.27	41.97	41.44	40.86	39.86	39.22	45.78	45.08
Virginia	38.09	38.10	37.82	40.39	39.32	38.28	38.08	37.49	36.83	36.92	40.45	42.02
Virgin Islands	59.38	58.84	57.10	56.30	56.64	54.82	53.65	53.36	53.19	53.61	59.60	56.17
Washington	39.13	39.98	40.73	40.89	40.89	39.78	39.87	38.96	38.62	37.97	38.55	40.65
West Virginia	35.52	36.65	36.79	39.63	38.81	37.69	36.93	35.32	35.71	35.75	41.43	38.18
Wisconsin	36.69	37.42	38.15	39.28	39.52	38.21	37.79	36.13	36.61	37.61	42.10	38.63
Wyoming	40.44	41.54	44.79	42.01	42.17	41.85	41.10	37.95	37.37	36.58	36.76	37.37

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.28 Annual EBT Card Issuance, FY 2022

State	Number of Cards Issued	Average Number of Cards per Household	Percentage of Cards Issued by Reason			
			Regular Card Issuance	Lost or Stolen Card	Multiple Cards for Simultaneous Use	New Card After Gap in Participation
Total U.S.	58,010,176	1.2	85.7	12.5	0.3	1.5
Alabama	1,050,352	1.1	88.5	8.2	1.5	1.8
Alaska	99,703	1.2	84.3	13.3	0.5	1.8
Arizona	1,015,382	1.2	84.0	14.3	0.1	1.6
Arkansas	443,247	1.1	92.1	6.9	0.0	1.0
California	10,399,561	1.3	80.0	18.1	0.4	1.5
Colorado	829,167	1.2	85.8	12.5	0.1	1.7
Connecticut	448,385	1.2	86.9	11.7	0.1	1.2
Delaware	138,989	1.2	85.5	12.8	0.2	1.5
District of Columbia	169,354	1.3	75.3	23.6	0.2	1.0
Florida	3,688,354	1.1	90.7	8.1	0.1	1.2
Georgia	1,825,813	1.1	87.7	11.5	0.1	0.7
Guam	54,873	1.1	88.4	8.1	0.2	3.3
Hawaii	249,870	1.2	86.5	10.6	0.0	2.8
Idaho	187,810	1.1	92.1	6.2	0.0	1.7
Illinois	2,363,528	1.2	84.9	13.4	0.1	1.6
Indiana	958,349	1.1	90.5	7.7	0.3	1.6
Iowa	363,694	1.1	90.6	8.0	0.1	1.3
Kansas	202,974	1.2	83.7	14.6	0.4	1.3
Kentucky	843,301	1.1	90.9	7.3	0.0	1.8
Louisiana	1,445,864	1.1	87.7	9.4	0.0	2.9
Maine	160,125	1.1	90.4	8.5	0.0	1.1
Maryland	1,189,140	1.1	90.1	7.7	0.4	1.8
Massachusetts	1,224,716	1.1	93.4	5.9	0.1	0.6
Michigan	1,996,573	1.1	89.9	8.6	0.9	0.6
Minnesota	648,450	1.2	86.1	11.3	0.3	2.3
Mississippi	686,522	1.2	86.6	11.0	1.1	1.2
Missouri	628,345	1.2	86.1	12.1	0.2	1.6
Montana	95,109	1.2	85.4	12.5	0.1	1.9
Nebraska	198,846	1.1	88.3	9.8	0.0	1.9
Nevada	728,023	1.3	78.6	19.6	0.1	1.7
New Hampshire	73,638	1.1	89.8	8.7	0.5	1.0
New Jersey	895,753	1.1	89.1	10.0	0.1	0.9
New Mexico	651,522	1.2	81.9	15.9	0.0	2.2
New York	3,906,758	1.3	80.2	18.4	0.1	1.3
North Carolina	1,644,805	1.2	86.6	11.7	0.5	1.2

State	Number of Cards Issued	Average Number of Cards per Household	Percentage of Cards Issued by Reason			
			Regular Card Issuance	Lost or Stolen Card	Multiple Cards for Simultaneous Use	New Card After Gap in Participation
North Dakota	70,424	1.2	86.7	11.7	0.0	1.6
Ohio	1,726,510	1.2	86.9	11.6	0.0	1.5
Oklahoma	976,896	1.2	87.0	10.6	0.4	2.1
Oregon	855,999	1.3	79.3	18.2	1.2	1.3
Pennsylvania	2,382,770	1.2	87.0	10.7	0.1	2.3
Rhode Island	170,511	1.2	85.9	12.6	0.0	1.4
South Carolina	1,102,443	1.1	91.4	7.8	0.0	0.7
South Dakota	81,840	1.2	81.7	15.0	0.0	3.2
Tennessee	1,200,380	1.1	89.1	8.9	0.2	1.9
Texas	3,778,994	1.1	90.2	8.6	0.1	1.0
Utah	206,566	1.2	85.9	11.3	0.3	2.4
Vermont	61,600	1.2	86.1	11.7	0.0	2.2
Virginia	1,146,588	1.2	87.0	11.2	0.6	1.2
Virgin Islands	24,485	1.1	87.5	10.7	0.3	1.5
Washington	1,386,996	1.2	82.3	15.2	0.2	2.3
West Virginia	523,274	1.1	90.7	6.8	0.3	2.3
Wisconsin	759,893	1.3	78.6	19.4	0.2	1.8
Wyoming	47,112	1.1	91.3	7.5	0.0	1.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Number of cards per household is determined from the number of EBT card numbers per household account number in the ALERT data. Lost or stolen card is indicated by multiple cards per household, used within 60 days, with non-overlapping dates of use; 'multiple cards' is indicated by overlapping dates of use; and 'new card' is indicated by at least 60 days between use of different cards.

Table B.29 Annual Number of EBT Cards Issued per Household, FY 2022

State	Percentage of Households by Number of Cards				Percentage of Households by Reason for More Than One Card			Percentage of Households with More Than One Lost/Stolen Card
	One	Two	Three	Four or More	Lost or Stolen	Multiple Cards	New Card	
Total U.S.	87.7	9.7	1.7	0.9	10.6	0.3	1.7	2.3
Alabama	89.0	9.5	1.2	0.3	7.8	1.7	2.0	1.1
Alaska	87.2	9.3	2.2	1.3	10.9	0.6	2.1	3.0
Arizona	87.6	8.9	1.9	1.6	10.9	0.2	1.8	3.0
Arkansas	92.8	6.1	0.9	0.2	6.3	0.0	1.0	0.9
California	81.7	14.7	2.1	1.5	16.2	0.4	1.9	3.1
Colorado	88.8	8.0	1.8	1.4	9.5	0.1	1.9	2.8
Connecticut	88.1	9.6	1.6	0.6	10.6	0.1	1.4	2.1
Delaware	87.0	10.2	2.0	0.8	11.3	0.3	1.7	2.5
District of Columbia	79.0	14.1	3.9	3.0	19.6	0.2	1.4	6.4
Florida	91.9	6.7	1.1	0.4	7.1	0.1	1.3	1.3
Georgia	88.7	9.3	1.5	0.5	10.6	0.1	0.8	1.8
Guam	89.1	9.2	1.2	0.5	7.0	0.2	3.7	1.4
Hawaii	88.6	9.0	1.5	0.9	8.7	0.0	3.2	2.0
Idaho	92.5	6.6	0.7	0.2	5.9	0.0	1.8	0.7
Illinois	86.7	10.3	2.1	0.9	11.7	0.1	1.9	2.7
Indiana	91.5	7.1	1.0	0.4	6.7	0.3	1.7	1.2
Iowa	91.4	7.2	1.1	0.3	7.4	0.1	1.4	1.1
Kansas	85.3	11.5	2.3	1.0	13.2	0.5	1.5	2.8
Kentucky	91.7	7.0	1.0	0.3	6.6	0.0	1.9	1.1
Louisiana	88.4	9.7	1.4	0.4	8.7	0.0	3.3	1.5
Maine	91.2	7.4	1.1	0.3	7.9	0.0	1.1	1.1
Maryland	90.8	7.8	1.0	0.3	7.0	0.4	1.9	1.1
Massachusetts	94.5	4.4	0.7	0.4	4.8	0.1	0.7	1.0
Michigan	91.2	7.2	1.2	0.5	7.5	1.0	0.7	1.5
Minnesota	87.6	10.0	1.7	0.8	9.8	0.4	2.6	2.1
Mississippi	87.2	10.8	1.5	0.5	10.8	1.2	1.4	1.5
Missouri	87.0	10.7	1.7	0.6	11.4	0.2	1.8	2.0
Montana	87.7	9.0	2.1	1.1	10.6	0.2	2.2	2.7
Nebraska	89.7	8.2	1.5	0.6	8.6	0.0	2.1	1.7
Nevada	85.0	9.7	2.5	2.7	13.3	0.1	2.1	4.7
New Hampshire	90.7	7.8	1.1	0.4	7.9	0.6	1.1	1.3
New Jersey	90.0	8.3	1.2	0.4	9.1	0.1	0.9	1.5
New Mexico	84.8	11.5	2.2	1.5	13.1	0.1	2.6	3.2

State	Percentage of Households by Number of Cards				Percentage of Households by Reason for More Than One Card			Percentage of Households with More Than One Lost/Stolen Card
	One	Two	Three	Four or More	Lost or Stolen	Multiple Cards	New Card	
New York	84.7	10.0	3.2	2.1	13.9	0.1	1.6	4.8
North Carolina	87.7	10.1	1.6	0.6	10.7	0.5	1.4	1.9
North Dakota	89.1	7.8	2.0	1.1	9.5	0.1	1.8	2.6
Ohio	88.3	9.4	1.6	0.7	10.2	0.0	1.7	2.1
Oklahoma	88.6	9.0	1.6	0.8	9.0	0.5	2.3	2.1
Oregon	84.9	10.4	2.4	2.4	12.7	1.4	1.6	4.1
Pennsylvania	87.6	10.5	1.4	0.5	9.9	0.1	2.6	1.7
Rhode Island	87.3	10.2	1.7	0.8	11.3	0.0	1.6	2.2
South Carolina	92.3	6.4	1.0	0.3	7.0	0.0	0.8	1.2
South Dakota	83.7	12.2	2.8	1.3	13.3	0.0	3.9	3.4
Tennessee	89.9	8.4	1.3	0.4	8.2	0.2	2.1	1.4
Texas	91.1	7.5	1.1	0.4	7.8	0.1	1.1	1.2
Utah	87.6	9.7	1.9	0.8	10.1	0.4	2.7	2.1
Vermont	88.2	9.2	1.6	1.0	9.5	0.0	2.6	2.4
Virginia	89.0	8.4	1.7	0.9	9.2	0.7	1.4	2.3
Virgin Islands	88.5	9.2	1.7	0.6	9.4	0.3	1.7	2.1
Washington	87.3	8.8	1.9	2.0	10.3	0.3	2.7	3.5
West Virginia	91.5	7.3	0.9	0.3	6.0	0.3	2.5	1.0
Wisconsin	81.6	12.5	3.8	2.1	16.6	0.2	2.3	5.2
Wyoming	92.4	6.2	1.0	0.4	6.6	0.0	1.3	1.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Number of cards per household is determined from the number of EBT card numbers per household account number in the ALERT data. Lost or stolen card is indicated by multiple cards per household, used within 60 days, with non-overlapping dates of use; 'multiple cards' is indicated by overlapping dates of use; and 'new card' is indicated by at least 60 days between use of different cards.

Table B.30. Percentage of Households with Only One EBT Purchase Transaction in the Month, for Households Grouped by Total Monthly Redemption, FY 2022

State	Percentage of Households Grouped by Total Monthly Redemption											
	<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Total U.S.	75.1	45.8	27.5	14.2	7.4	3.7	1.8	1.4	1.1	0.7	0.4	0.1
Alabama	75.5	41.8	23.2	12.3	6.0	2.8	1.3	0.9	1.6	0.4	0.3	0.1
Alaska	77.6	53.1	33.1	19.3	11.8	7.4	5.0	2.5	2.6	2.1	1.8	0.5
Arizona	70.8	41.2	23.6	11.5	5.8	2.8	1.6	1.1	0.7	0.5	0.4	0.1
Arkansas	67.9	38.4	22.4	11.6	6.6	3.2	1.9	1.7	1.4	0.7	0.4	0.1
California	77.7	48.0	27.8	14.9	7.8	3.9	1.9	1.1	1.0	0.6	0.5	0.1
Colorado	75.8	46.3	29.3	15.3	8.0	3.4	1.8	1.1	1.4	0.6	0.4	0.1
Connecticut	79.3	53.5	34.1	18.0	9.0	3.7	1.6	0.6	0.8	0.6	0.4	0.1
Delaware	75.6	46.6	26.9	12.7	6.2	3.0	1.3	0.8	0.6	0.3	0.4	0.1
District of Columbia	74.6	42.7	24.7	12.4	6.3	3.5	2.3	1.6	1.1	0.6	0.6	0.2
Florida	68.6	40.5	24.2	12.6	7.2	5.1	2.3	1.6	1.5	0.7	0.6	0.1
Georgia	72.7	42.5	24.7	12.2	5.5	2.8	1.3	0.9	0.7	0.5	0.3	0.1
Guam	74.2	37.4	21.7	12.5	7.3	5.3	2.8	1.8	0.7	0.7	0.1	0.0
Hawaii	76.5	45.8	25.3	15.5	9.9	8.2	3.9	2.6	1.5	0.9	0.9	0.3
Idaho	72.1	45.0	25.5	13.5	8.1	4.4	3.0	2.6	3.0	1.0	0.6	0.2
Illinois	74.3	40.9	23.8	11.5	5.6	3.1	2.1	1.3	0.5	0.6	0.4	0.1
Indiana	73.9	46.8	30.1	14.6	7.0	3.6	2.1	1.6	1.4	0.9	0.5	0.1
Iowa	68.7	40.5	24.8	12.7	6.8	3.0	1.7	1.2	1.0	0.6	0.4	0.1
Kansas	73.0	40.0	20.9	10.1	4.7	2.7	1.2	0.6	0.5	0.4	0.3	0.0
Kentucky	75.7	49.9	31.9	16.8	8.6	4.5	2.2	2.2	1.7	0.8	0.4	0.1
Louisiana	74.3	45.2	29.5	15.7	8.1	2.4	1.2	0.8	0.9	0.6	0.3	0.1
Maine	78.5	52.8	32.1	15.7	7.4	3.1	1.5	1.1	0.9	0.4	0.3	0.1
Maryland	75.6	45.9	28.8	15.3	9.7	5.9	2.5	1.9	1.0	0.8	0.8	0.2
Massachusetts	78.4	53.2	34.5	19.6	11.2	6.0	3.0	3.8	1.3	0.8	0.5	0.2

State	Percentage of Households Grouped by Total Monthly Redemption											
	<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
Michigan	76.2	47.7	29.7	15.5	7.6	3.7	1.7	1.2	1.1	0.6	0.3	0.1
Minnesota	78.0	50.8	31.0	16.3	8.0	3.4	1.9	1.1	1.1	1.5	0.5	0.1
Mississippi	67.8	35.4	20.6	10.5	5.5	2.6	1.5	1.3	1.2	0.5	0.3	0.1
Missouri	65.1	34.5	18.9	9.1	4.9	2.7	1.4	1.0	0.9	0.5	0.3	0.1
Montana	67.3	44.5	27.3	13.7	7.2	3.8	2.4	2.2	1.9	1.0	0.6	0.2
Nebraska	69.8	41.5	24.3	12.1	6.4	3.2	2.0	1.7	1.3	0.7	0.4	0.1
Nevada	74.8	46.7	26.4	14.4	7.6	3.3	1.7	0.8	0.9	0.7	0.3	0.1
New Hampshire	78.3	50.4	32.0	18.6	9.9	3.7	1.9	1.3	1.0	0.5	0.3	0.1
New Jersey	78.7	48.2	29.8	16.4	9.0	4.5	2.5	2.0	1.4	0.9	0.7	0.2
New Mexico	75.7	42.4	25.1	12.5	6.0	2.8	1.5	0.7	0.7	0.4	0.3	0.1
New York	74.9	45.2	28.2	15.9	9.2	6.4	2.4	3.6	1.5	1.5	0.6	0.6
North Carolina	77.2	46.9	25.2	10.3	4.2	1.8	0.7	0.4	0.4	0.2	0.1	0.0
North Dakota	71.2	48.5	28.0	13.7	7.5	4.6	2.5	2.9	3.1	1.0	0.4	0.1
Ohio	76.1	48.6	28.9	13.4	7.8	3.1	1.2	0.7	0.6	0.4	0.3	0.1
Oklahoma	73.0	43.5	28.5	16.5	8.9	3.1	1.8	0.9	2.0	0.8	0.3	0.1
Oregon	76.4	46.3	27.6	14.2	7.0	3.5	1.6	0.7	0.6	0.5	0.4	0.1
Pennsylvania	74.3	44.0	27.4	14.0	6.7	3.4	1.4	0.9	0.8	0.6	0.4	0.1
Rhode Island	77.6	49.4	30.1	16.0	8.5	3.3	1.5	1.2	1.2	1.5	0.4	0.2
South Carolina	77.4	44.8	27.4	14.4	7.4	2.7	1.5	0.9	1.1	0.8	0.3	0.1
South Dakota	71.8	45.0	28.6	16.7	6.8	3.7	1.8	1.6	1.4	0.9	0.6	0.1
Tennessee	70.8	41.0	25.4	13.8	7.7	4.0	2.2	1.8	1.8	0.7	0.5	0.1
Texas	78.2	50.4	30.0	14.3	6.6	2.3	1.2	0.9	0.7	0.4	0.2	0.0
Utah	76.3	48.8	26.0	13.0	6.2	4.1	1.5	1.3	0.9	0.5	0.4	0.1
Vermont	81.4	59.5	35.1	23.5	13.8	5.7	2.6	0.8	1.2	1.1	0.4	0.1
Virginia	78.2	50.4	32.1	15.5	7.1	2.1	1.1	0.6	0.9	0.5	0.2	0.0
Virgin Islands	80.4	54.1	36.8	22.1	12.8	7.3	4.8	2.5	1.9	1.2	1.0	0.2
Washington	77.7	47.4	27.9	14.8	7.7	3.6	2.1	1.6	1.2	0.8	0.5	0.2

State	Percentage of Households Grouped by Total Monthly Redemption											
	<\$26	\$26-50	\$51-100	\$101-150	\$151-200	\$201-250	\$251-300	\$301-350	\$351-400	\$401-450	\$451-500	>\$500
West Virginia	75.1	49.1	34.1	19.3	9.3	3.3	2.1	1.6	1.9	1.1	0.4	0.1
Wisconsin	73.4	44.0	25.0	11.5	5.0	2.3	1.1	0.5	0.5	0.3	0.3	0.0
Wyoming	73.9	46.7	29.1	15.5	9.0	4.0	2.5	2.2	2.7	1.0	0.6	0.2

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Table B.31. Distribution of Households by Days Between Issuances, FY 2022

State	Average Monthly Number of Households	Average Number of Days Between Benefit Issuances (Percentage of Households)			
		1-7	8-14	15-21	22-31+
Total U.S.	27,243,028	7.3	20.6	24.6	47.5
Alabama	516,933	10.1	34.1	34.7	21.1
Alaska	46,827	4.7	3.7	3.3	88.3
Arizona [‡]	450,988	0.1	0.6	0.5	98.8
Arkansas [†]	176,597	0.0	0.0	0.0	100.0
California	4,221,423	10.1	26.0	34.3	29.5
Colorado	359,209	14.6	22.3	21.7	41.4
Connecticut	246,196	0.1	36.9	62.8	0.2
Delaware	70,193	13.6	31.1	30.7	24.6
District of Columbia [‡]	89,956	0.0	0.0	0.0	100.0
Florida ^{††}	1,788,293	0.0	0.0	0.0	100.0
Georgia	945,176	2.4	30.7	36.5	30.3
Guam	22,890	1.2	40.7	54.0	4.1
Hawaii	118,480	16.7	24.6	24.9	33.7
Idaho [†]	77,234	0.0	0.0	0.0	100.0
Illinois	1,202,725	0.2	49.2	48.0	2.6
Indiana [‡]	398,623	0.0	0.0	0.0	100.0
Iowa [‡]	165,144	0.0	0.0	0.0	100.0
Kansas	112,246	2.4	50.4	34.9	12.3
Kentucky [‡]	343,559	0.1	0.9	1.0	98.1
Louisiana	582,742	17.4	14.8	14.0	53.8
Maine	100,769	19.1	0.1	1.3	79.6
Maryland ^{b‡}	599,164	0.0	0.0	0.0	100.0
Massachusetts	680,089	12.0	16.2	11.8	60.0
Michigan	843,821	16.8	22.2	21.0	40.0
Minnesota	276,788	17.9	1.5	1.0	79.5
Mississippi	285,698	3.6	7.9	7.4	81.1
Missouri [†]	346,311	0.0	0.0	0.0	100.0
Montana [†]	46,552	0.0	0.0	0.0	100.0
Nebraska [†]	88,837	0.0	0.0	0.0	100.0
Nevada	318,778	16.9	15.3	13.9	53.9
New Hampshire	41,307	0.4	3.2	4.4	92.0
New Jersey [‡]	498,082	0.0	0.0	0.0	100.0
New Mexico [‡]	324,644	14.4	21.7	21.8	42.1
New York	2,021,576	4.0	36.2	50.2	9.7
North Carolina	922,633	10.9	33.6	34.8	20.7

State	Average Monthly Number of Households	Average Number of Days Between Benefit Issuances (Percentage of Households)			
		1-7	8-14	15-21	22-31+
North Dakota [†]	27,603	0.0	0.0	0.0	100.0
Ohio	889,698	11.8	31.7	33.9	22.7
Oklahoma	458,653	17.1	20.9	19.1	43.0
Oregon	430,440	19.8	20.5	13.8	45.9
Pennsylvania	1,196,390	0.6	34.3	63.6	1.5
Rhode Island	93,218	12.0	1.2	1.2	85.6
South Carolina [‡]	406,997	0.2	3.4	2.7	93.7
South Dakota [†]	38,473	0.0	0.0	0.0	100.0
Tennessee [‡]	533,821	0.0	0.0	0.0	100.0
Texas	1,910,667	17.2	17.2	15.1	50.5
Utah	92,614	9.2	32.5	45.8	12.5
Vermont	29,814	0.1	40.5	58.1	1.3
Virginia	514,205	2.0	36.5	47.1	14.4
Virgin Islands	13,822	10.0	38.4	27.3	24.3
Washington [‡]	602,539	0.1	0.7	0.7	98.5
West Virginia	230,429	15.1	1.7	2.8	80.4
Wisconsin	424,462	11.3	29.8	36.7	22.2
Wyoming [‡]	18,698	0.2	1.7	1.5	96.6

Source: Mathematica tabulations of ALERT data, FY 2022. Average monthly statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table B.32. Distribution of Issuance Periods by Length, FY 2022

State	Issuance Period Length (Percentage of Household Issuance Periods)			
	Any Length	At Least 14 Days	At Least 21 Days	At Least 28 Days
Total U.S.	100.0	76.0	51.0	35.9
Alabama	100.0	60.8	26.0	3.8
Alaska	100.0	92.0	88.8	83.0
Arizona [‡]	100.0	99.3	98.9	98.5
Arkansas [†]	100.0	100.0	100.0	100.0
California	100.0	67.8	38.1	12.0
Colorado	100.0	65.4	45.7	15.8
Connecticut	100.0	78.3	0.2	0.0
Delaware	100.0	59.4	29.7	3.7
District of Columbia [‡]	100.0	100.0	100.0	100.0
Florida ^{‡†}	100.0	100.0	100.0	100.0
Georgia	100.0	72.6	34.2	24.5
Guam	100.0	67.5	8.4	0.3
Hawaii	100.0	58.8	41.9	1.1
Idaho [†]	100.0	100.0	100.0	100.0
Illinois	100.0	51.6	6.8	0.1
Indiana [‡]	100.0	100.0	100.0	100.0
Iowa [‡]	100.0	100.0	100.0	100.0
Kansas	100.0	47.7	28.6	8.1
Kentucky [‡]	100.0	99.2	98.2	97.8
Louisiana	100.0	70.6	55.8	33.9
Maine	100.0	80.9	80.6	62.8
Maryland ^{b‡}	100.0	100.0	100.0	100.0
Massachusetts	100.0	71.8	61.9	39.8
Michigan	100.0	63.1	44.3	17.0
Minnesota	100.0	80.7	79.9	51.3
Mississippi	100.0	89.8	81.6	78.0
Missouri [†]	100.0	100.0	100.0	100.0
Montana [†]	100.0	100.0	100.0	100.0
Nebraska [†]	100.0	100.0	100.0	100.0
Nevada	100.0	69.0	57.7	21.7
New Hampshire	100.0	97.8	92.1	90.1
New Jersey [‡]	100.0	100.0	100.0	100.0
New Mexico [‡]	100.0	66.5	46.0	21.9
New York	100.0	73.7	12.2	2.1
North Carolina	100.0	60.6	25.7	3.6
North Dakota [†]	100.0	100.0	100.0	100.0
Ohio	100.0	59.8	28.6	3.5

State	Issuance Period Length (Percentage of Household Issuance Periods)			
	Any Length	At Least 14 Days	At Least 21 Days	At Least 28 Days
Oklahoma	100.0	64.3	46.7	17.0
Oregon	100.0	59.7	52.5	15.2
Pennsylvania	100.0	86.9	2.0	0.4
Rhode Island	100.0	86.9	85.7	70.4
South Carolina [‡]	100.0	96.7	94.3	92.4
South Dakota [†]	100.0	100.0	100.0	100.0
Tennessee [‡]	100.0	100.0	100.0	100.0
Texas	100.0	67.3	53.5	28.5
Utah	100.0	62.0	17.6	0.1
Vermont	100.0	59.9	1.3	1.3
Virginia	100.0	66.7	19.2	0.0
Virgin Islands	100.0	56.5	29.2	0.0
Washington [‡]	100.0	99.3	98.6	98.3
West Virginia	100.0	83.2	81.6	62.8
Wisconsin	100.0	63.6	30.2	7.8
Wyoming [‡]	100.0	98.3	96.9	96.0

Source: Mathematica tabulations of ALERT data, FY 2022. Average monthly statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day before they received a benefit issuance and ends on the day they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Appendix C

Benefit Redemptions as a Share of Total Account Balance

Tables by household characteristics

Table C.1. Average Percentage of Account Balance Redeemed By Days Since Issuance, FY 2022
Matched QC-ALERT Sample

Household Characteristic	Cumulative Percentage of Account Balance Redeemed By			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
All households	40.2	64.8	81.9	95.3
Household type				
With and without children				
Households with children	42.8	67.9	84.0	96.0
Households without children	37.1*	61.1*	79.5*	94.4*
Types of households with children				
Single-adult households	44.5	69.1	84.8	96.2
Multiple-adult households	40.3*	66.2*	83.1	95.9
Children only	45.7	69.2	82.9	94.5
All households, by type				
With an elderly person	30.3	55.0	75.6	93.0
With a non-elderly person with a disability	45.2*	68.3*	84.3*	96.0*
With a child, without a person who was elderly or had a disability	42.3*	67.3*	83.3*	95.8*
Other households	45.6*	69.9*	85.9*	96.7*
Household size				
1	37.5	61.2	79.6	94.4
2	40.9*	66.3*	82.8*	95.4
3	43.2*	67.8*	84.1*	95.9*
4+	41.8*	67.1*	83.3*	96.0*
Race and ethnicity of household head				
White, non-Hispanic	35.9	60.3	79.3	94.4
Black, non-Hispanic	47.6*	72.0*	86.6*	96.6*
Hispanic	43.0*	69.0*	85.6*	96.5*
Asian, non-Hispanic	29.6*	57.5	85.7*	97.7*
Native American, non-Hispanic	48.4*	70.7*	83.0	96.7
Other ^d	40.4*	64.1*	78.6	94.2
Employment Status				
Households with earnings	40.2	65.3	82.4	95.7
Households without earnings	40.2	64.5	81.7	95.0
Receipt of TANF				
Yes	45.9	71.0	87.1	97.6
No	40.0*	64.5*	81.7*	95.2*

Household Characteristic	Cumulative Percentage of Account Balance Redeemed By			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
SNAP benefit ^e				
\$20 or less	31.6	45.9	54.6	79.4
\$21-100	40.3	56.1	64.2	84.4
\$101-200	43.1	58.6	68.1	85.4
\$201-300	35.2	58.5	76.6*	93.3*
\$301-400	41.0	65.4*	84.9*	96.6*
\$401-500	38.8	63.7*	80.9*	95.2*
\$501 or more	42.3	67.8*	84.2*	96.2*
Minimum benefit	31.6	45.9	54.6	79.4
Maximum benefit	39.6	64.8*	82.5*	95.7*
Months in certification period				
≤ 6 months	43.2	67.5	83.2	95.1
7-12 months	41.3	66.3	82.6	95.6
> 12 months	35.2*	59.2*	79.3*	94.8
Geographic location				
Region ^f				
Northeast	37.6	63.8	88.6	97.9
Mid-Atlantic	35.2	56.5*	82.2*	93.8*
Midwest	44.9*	67.5*	81.7*	93.9*
Southeast	38.9	66.4	82.3*	96.1*
Southwest	43.1*	66.2	79.1*	94.9*
Mountain Plains	44.8*	66.9	79.3*	93.9*
West	37.3	64.8	80.5*	96.1*
Metro/ Nonmetro areas ^g				
Metropolitan	39.9	64.7	82.4	95.4
Nonmetro, micropolitan	41.8	66.0	80.6	95.0
Nonmetro, noncore	41.0	63.2	78.4*	94.6
County with persistent poverty ^g				
Yes	44.2	68.0	87.6	96.8
No	39.7*	64.4*	81.3*	95.1*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

^d Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^e Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^f Regions are defined using FNS region as of FY2022.

^g Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table C.2. Distribution of Households by Percentage of Account Balance Redeemed in the First Week After Issuance, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Account Balance Redeemed in First Week After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	91-100%
All households	14.9	14.5	20.4	17.6	9.7	22.9
Household type						
With and without children						
Households with children	10.4	14.4	22.9	20.2	10.6	21.7
Households without children	17.4*	14.6	19.0*	16.2*	9.2*	23.6*
Types of households with children						
Single-adult households	10.0	14.1	21.9	20.3	11.2	22.5
Multiple-adult households	10.8	15.1	24.6*	20.0	9.3*	20.2*
Children only	10.6	12.8	22.3	20.4	11.8	22.1
All households, by type						
With an elderly person	20.7	17.0	20.4	15.0	8.0	18.9
With a non-elderly person with a disability	13.1*	12.5*	17.7*	17.1*	11.0*	28.5*
With a child, without a person who was elderly or had a disability	10.7*	14.3*	23.4*	20.3*	10.3*	20.9*
Other households	13.8*	12.9*	18.5*	17.9*	10.0*	26.8*
Household size						
1	17.7	14.3	18.6	16.1	9.3	24.1
2	13.0*	14.6	21.9*	18.7*	10.3	21.5*
3	10.1*	15.0	23.2*	20.6*	9.7	21.4*
4+	9.6*	14.9	23.8*	20.2*	10.5*	20.9*
Race and ethnicity of household head						
White, non-Hispanic	17.5	15.1	20.2	17.3	9.1	20.9
Black, non-Hispanic	11.8*	12.7*	18.3*	18.6*	11.4*	27.2*
Hispanic	14.0*	13.8	21.8	17.5	10.2	22.8
Asian, non-Hispanic	21.6	20.3*	23.0	14.2*	6.8*	14.1*
Native American, non-Hispanic	11.7*	10.7*	20.2	19.0	10.3	28.1*
Other ^a	13.6*	15.7	22.2*	17.3	8.4	22.8*
Employment Status						
Households with earnings	13.2	15.0	22.2	18.8	9.6	21.2
Households without earnings	15.5*	14.4	19.7*	17.2*	9.7	23.5*
Receipt of TANF						
Yes	11.2	10.4	21.7	18.3	12.8	25.6
No	15.1*	14.6*	20.3	17.6	9.6*	22.9

Household Characteristic	Percentage of Account Balance Redeemed in First Week After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	91-100%
SNAP benefit ^b						
\$20 or less	26.4	5.9	10.0	14.3	8.9	34.4
\$21-100	20.2	7.4	10.6	13.6	11.5	36.7
\$101-200	17.2*	8.4	17.8*	16.9	12.5	27.1
\$201-300	18.6*	15.1*	19.1*	16.0	9.0	22.2*
\$301-400	15.2*	14.5*	19.3*	16.8	9.5	24.7*
\$401-500	13.9*	16.2*	21.1*	18.5	9.5	20.9*
\$501 or more	10.3*	15.0*	23.8*	20.0*	10.1	20.8*
Minimum benefit	26.4	5.9	10.0	14.3	8.9	34.5
Maximum benefit	14.8*	15.3*	20.8*	17.4	9.3	22.3*
Months in certification period						
≤ 6 months	12.5	13.5	20.3	19.0	10.7	24.1
7-12 months	13.8*	13.9	21.0	18.3	9.9	23.1
> 12 months	18.2*	16.2*	19.3	15.6*	8.7*	22.0*
Geographic location						
Region ^c						
Northeast	16.8	15.5	20.5	16.0	8.8	22.4
Mid-Atlantic	16.4	16.1	21.0	18.4*	9.7	18.3*
Midwest	14.0*	11.7*	18.5*	18.9*	11.4*	25.5*
Southeast	15.2	13.9	19.8	17.3	9.6	24.2
Southwest	11.1*	14.5	21.5	17.8	9.0	26.1*
Mountain Plains	12.8*	11.8*	19.1	20.1*	11.5*	24.7
West	17.3	17.8	22.2	15.8	8.1	18.9*
Metro/ Nonmetro areas ^d						
Metropolitan	15.1	14.8	20.5	17.4	9.5	22.7
Nonmetro, micropolitan	14.1	14.1	19.5	17.5	10.5*	24.4*
Nonmetro, noncore	14.3	12.4*	19.5	18.8	10.4	24.6*
County with persistent poverty ^d						
Yes	12.2	14.0	19.9	17.8	10.6	25.5
No	15.2*	14.6	20.4	17.5	9.6*	22.7*

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Table C.3. Distribution of Households by Percentage of Account Balance Redeemed in Two Weeks After Issuance, FY 2022 Matched QC-ALERT Sample

Household Characteristic	Percentage of Account Balance Redeemed in Two Weeks After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	91-100%
All households	4.0	6.4	11.4	13.9	10.7	53.6
Household type						
With and without children						
Households with children	2.2	5.4	10.7	15.3	11.7	54.6
Households without children	5.0*	7.0*	11.7*	13.2*	10.2*	53.0*
Types of households with children						
Single-adult households	2.2	5.3	10.5	14.9	12.1	55.0
Multiple-adult households	2.4	5.5	11.4	15.6	11.4	53.7
Children only	1.6	5.5	9.8	17.5	10.4	55.2
All households, by type						
With an elderly person	6.2	8.8	13.2	14.3	10.4	47.1
With a non-elderly person with a disability	3.8*	5.4*	9.5*	12.1*	10.0	59.3*
With a child, without a person who was elderly or had a disability	2.2*	5.6*	11.1*	15.6*	11.8*	53.7*
Other households	3.5*	4.9*	10.9*	12.6*	10.4	57.7*
Household size						
1	5.1	6.9	11.6	13.0	10.1	53.3
2	2.8*	6.0	11.3	14.9*	11.0	54.1
3	2.3*	5.7*	10.7	15.6*	12.5*	53.2
4+	2.2*	5.3*	11.1	15.4*	11.8*	54.3
Race and ethnicity of household head						
White, non-Hispanic	5.4	7.4	12.1	13.9	10.5	50.9
Black, non-Hispanic	2.7*	4.8*	9.6*	12.5*	11.0	59.5*
Hispanic	3.0*	5.4*	11.0	15.1	11.5	53.9*
Asian, non-Hispanic	4.7	10.2	13.9	14.9	9.0	47.3
Native American, non-Hispanic	3.4	4.4*	9.5	14.1	12.7	55.9
Other ^a	3.7*	6.9	12.4	15.1	10.5	51.4
Employment Status						
Households with earnings	3.2	6.3	11.8	15.2	11.0	52.6
Households without earnings	4.3*	6.5	11.2	13.5*	10.6	53.9*
Receipt of TANF						
Yes	2.8	3.7	8.2	13.9	12.3	59.1
No	4.0*	6.5*	11.5*	13.9	10.7	53.4*

Household Characteristic	Percentage of Account Balance Redeemed in Two Weeks After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	91-100%
SNAP benefit ^b						
\$20 or less	10.8	4.6	6.3	12.2	11.5	54.7
\$21-100	6.7	5.0	9.9	11.6	11.6	55.2
\$101-200	6.6	5.7	9.8*	14.7	13.5	49.7
\$201-300	5.5*	7.7*	11.7*	13.9	10.1	51.1
\$301-400	3.9*	6.2	11.9*	12.3	9.7	56.1
\$401-500	3.1*	7.0	11.4*	14.8	10.9	52.7
\$501 or more	2.1*	5.4	11.2*	15.1	11.7	54.4
Minimum benefit	10.7	4.6	6.3	12.2	11.5	54.7
Maximum benefit	3.8*	6.6	11.6*	13.7	10.3	53.9
Months in certification period						
≤ 6 months	3.1	5.5	11.0	14.5	11.3	54.5
7-12 months	3.6	5.7	11.0	14.0	11.0	54.6
> 12 months	5.2*	8.0*	12.2	13.4	9.9*	51.3*
Geographic location						
Region ^c						
Northeast	4.1	6.4	12.2	13.2	9.6	54.7
Mid-Atlantic	4.6	8.6*	13.7	16.1*	12.1*	44.8*
Midwest	4.1	5.4	10.1*	14.1	12.1*	54.4
Southeast	4.0	6.0	9.7*	11.9	8.8	59.6*
Southwest	3.0*	6.1	11.6	14.0	11.7*	53.6
Mountain Plains	3.8	5.2	10.2*	15.3*	12.6*	52.9
West	4.4	7.2	12.7	14.4	9.5	51.8
Metro/ Nonmetro areas ^d						
Metropolitan	3.9	6.5	11.4	14.1	10.7	53.4
Nonmetro, micropolitan	4.4	6.1	11.0	12.6*	10.2	55.8*
Nonmetro, noncore	4.2	6.4	11.0	13.4	11.1	53.9
County with persistent poverty ^d						
Yes	3.0	5.6	11.0	13.5	11.8	55.2
No	4.1*	6.5*	11.4	13.9	10.6*	53.5

Source: Mathematica tabulations of SNAP Quality Control data and ALERT data, FY 2022. Household-level EBT statistics are calculated as average statistics over the three months centered on the QC sample month.

Note: Analysis excludes periods with a P-EBT issuance and issuance periods of less than 14 days in length. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table A.27 for the distribution of household issuance periods by length.

^a Includes non-Hispanic individuals with multiple reported races (2 percent of all household heads) and individuals of unknown race (15 percent of all household heads).

^b Measures the standard SNAP benefit and EA (if applicable) that the household was certified to receive based on their QC review. This does not include additional P-EBT issuance amounts that households may have been able to redeem on their EBT cards.

^c Regions are defined using FNS region as of FY2022.

^d Excludes households in Nebraska, Rhode Island, Utah, and the Virgin Islands due to a high share of cases with unknown locality.

* Denotes statistically significant difference in means and proportions (.05 level). Comparisons are made within table columns, relative to the first row in each subgroup category. We used a Bonferroni adjustment to adjust for multiple comparisons for household subgroups with more than two categories.

› Denotes individual estimates not meeting the standards of reliability or precision due to inadequate cell size or large coefficient of variation.

Tables by State

Table C.4. Average Percentage of Account Balance Redeemed By Days Since Issuance, FY 2022

State	Cumulative Percentage of Account Balance Redeemed By			
	Day 7	Day 14 ^a	Day 21 ^b	End of month ^c
Total U.S.	47.3	67.2	78.3	86.0
Alabama	56.0	74.2	83.7	85.8
Alaska	41.4	62.0	74.0	83.8
Arizona [‡]	46.0	66.4	78.8	87.2
Arkansas [†]	62.5	79.9	88.4	93.0
California	42.2	64.0	75.6	82.2
Colorado	45.8	66.0	77.0	85.6
Connecticut	48.0	69.5	42.0	63.4
Delaware	48.3	66.8	78.7	87.3
District of Columbia [‡]	45.6	65.1	77.1	85.4
Florida ^{d†}	52.3	72.1	82.8	90.7
Georgia	51.7	70.9	83.9	90.3
Guam	58.4	78.7	86.3	93.7
Hawaii	41.1	64.6	77.9	80.2
Idaho [†]	51.3	71.2	82.5	89.5
Illinois	50.9	69.1	83.2	91.8
Indiana [‡]	49.1	68.1	79.2	87.1
Iowa [‡]	43.3	62.4	74.5	83.3
Kansas	51.9	68.9	80.7	85.1
Kentucky [‡]	49.9	68.8	79.9	87.7
Louisiana	50.3	70.3	80.7	87.0
Maine	38.4	59.7	72.7	80.2
Maryland ^{e‡}	46.6	65.8	77.1	85.1
Massachusetts	44.1	64.6	77.7	86.0
Michigan	48.1	67.5	78.7	86.8
Minnesota	41.2	62.3	75.1	83.5
Mississippi	60.6	78.4	87.2	92.2
Missouri [†]	58.7	76.6	85.4	90.8
Montana [†]	50.1	69.7	80.7	88.1
Nebraska [†]	49.0	68.9	80.4	88.4
Nevada	45.1	66.7	79.0	86.2
New Hampshire	40.8	61.8	75.2	84.7
New Jersey [‡]	37.4	56.8	69.8	81.4
New Mexico [‡]	46.2	65.1	76.5	85.3
New York	46.8	67.6	75.9	83.0
North Carolina	49.1	67.7	77.6	84.7

State	Cumulative Percentage of Account Balance Redeemed By			
	Day 7	Day 14 ^a	Day 21 ^b	End of month ^c
North Dakota [†]	48.6	68.3	79.6	88.0
Ohio	48.6	67.3	78.1	86.6
Oklahoma	52.0	72.3	82.8	88.8
Oregon	40.8	62.4	75.0	80.4
Pennsylvania	48.6	67.9	63.8	75.8
Rhode Island	39.4	61.6	76.0	87.0
South Carolina [‡]	48.7	68.9	80.4	88.0
South Dakota [†]	54.1	73.0	82.7	88.3
Tennessee [‡]	55.1	73.3	83.1	89.6
Texas	46.5	65.6	76.8	84.8
Utah	45.0	64.6	68.2	72.1
Vermont	47.9	71.8	81.3	84.7
Virginia	52.0	72.1	81.7	70.6
Virgin Islands	40.6	58.8	72.4	-
Washington [‡]	42.2	63.2	76.2	85.8
West Virginia	45.9	67.6	80.2	88.0
Wisconsin	42.0	61.8	73.0	80.1
Wyoming [‡]	42.4	62.5	75.3	85.0

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

^d Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^e Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table C.5. Distribution of Households by Percentage of Account Balance Redeemed in the First Week After Issuance, FY 2022

State	Percentage of Account Balance Redeemed in First Week After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	91-100%
Total U.S.	16.1	15.4	21.2	18.1	10.1	19.1
Alabama	11.1	11.7	18.8	18.8	12.5	27.1
Alaska	21.1	16.7	23.0	18.2	8.8	12.2
Arizona [‡]	15.9	14.4	23.6	20.3	10.1	15.7
Arkansas [†]	11.3	7.0	15.3	19.7	14.5	32.1
California	19.7	17.5	22.3	16.6	8.5	15.3
Colorado	12.2	18.8	24.8	19.3	9.7	15.3
Connecticut	17.2	14.3	19.4	17.3	10.3	21.5
Delaware	15.8	15.4	20.2	17.7	10.4	20.6
District of Columbia [‡]	18.0	15.1	21.7	19.7	10.4	15.1
Florida ^{‡†}	16.3	11.3	19.2	18.5	11.1	23.6
Georgia	14.3	13.4	18.5	17.7	11.5	24.6
Guam	9.6	10.7	17.9	18.5	12.9	30.3
Hawaii	17.5	19.7	26.2	18.1	8.0	10.6
Idaho [†]	15.0	11.6	22.0	20.9	11.7	18.8
Illinois	14.6	13.7	18.7	17.0	10.7	25.2
Indiana [‡]	14.2	13.5	22.6	21.1	11.5	17.1
Iowa [‡]	20.2	14.9	21.0	18.5	9.9	15.5
Kansas	14.0	13.1	18.2	17.3	11.6	25.8
Kentucky [‡]	15.8	12.2	19.9	20.0	11.7	20.4
Louisiana	10.3	16.0	22.3	19.6	11.3	20.5
Maine	19.8	20.2	25.6	17.2	7.6	9.6
Maryland ^{b‡}	16.7	15.4	22.9	19.9	10.2	14.9
Massachusetts	17.5	16.7	23.0	17.3	8.7	16.8
Michigan	15.7	15.8	20.8	18.2	10.3	19.2
Minnesota	20.4	17.9	23.2	17.5	8.4	12.7
Mississippi	11.2	8.4	15.2	18.3	13.9	33.0
Missouri [†]	10.7	9.2	18.7	21.5	13.9	25.9
Montana [†]	19.7	10.9	18.5	18.7	11.3	20.9
Nebraska [†]	17.4	12.0	21.4	19.9	11.0	18.2
Nevada	18.3	15.7	21.5	17.9	9.5	17.1
New Hampshire	17.5	18.8	27.1	20.3	8.1	8.3
New Jersey [‡]	22.0	20.4	24.7	16.8	7.2	8.8
New Mexico [‡]	13.0	18.1	23.9	18.8	9.8	16.4
New York	17.6	16.1	20.1	16.1	9.1	21.1
North Carolina	14.5	14.9	20.6	18.6	11.0	20.4

State	Percentage of Account Balance Redeemed in First Week After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	91-100%
North Dakota [†]	19.8	11.6	20.0	19.1	11.1	18.5
Ohio	16.0	14.8	20.0	17.9	10.6	20.6
Oklahoma	9.3	14.9	23.5	21.1	11.8	19.5
Oregon	19.7	18.5	23.0	17.5	8.4	13.0
Pennsylvania	17.7	14.6	18.0	16.4	10.4	22.9
Rhode Island	19.6	18.9	26.8	19.2	7.3	8.3
South Carolina [‡]	13.3	14.5	24.3	22.6	11.5	13.8
South Dakota [†]	15.3	10.5	17.9	19.6	12.8	23.9
Tennessee [‡]	12.6	10.0	18.3	20.6	13.2	25.3
Texas	12.1	18.5	23.7	19.1	10.0	16.7
Utah	17.4	16.5	21.2	17.3	9.7	17.9
Vermont	15.5	14.8	21.9	19.2	10.6	18.0
Virginia	13.6	13.2	19.3	18.9	11.9	23.1
Virgin Islands	21.4	18.2	19.8	15.5	8.9	16.2
Washington [‡]	17.5	17.7	26.0	19.6	8.6	10.5
West Virginia	13.1	17.1	25.9	21.1	10.0	12.8
Wisconsin	20.9	17.8	20.5	15.9	8.8	16.1
Wyoming [‡]	20.1	15.5	23.2	19.3	9.4	12.5

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day before they received a benefit issuance and ends on the day they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Table C.6. Distribution of Households by Percentage of Account Balance Redeemed within Two Weeks After Issuance, FY 2022

State	Percentage of Account Balance Redeemed in Two Weeks After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	91-100%
Total U.S.	5.5	8.6	14.8	17.6	13.7	39.8
Alabama	3.9	5.8	11.5	15.9	14.1	48.7
Alaska	9.6	9.4	15.7	19.0	13.9	32.3
Arizona [‡]	6.0	7.6	14.3	20.0	15.4	36.7
Arkansas [†]	3.9	3.2	7.5	13.7	14.6	57.1
California	6.9	9.7	16.2	17.8	12.7	36.6
Colorado	4.1	9.8	16.5	19.0	14.2	36.5
Connecticut	5.0	8.3	13.1	15.1	12.6	46.0
Delaware	6.2	9.3	14.7	17.1	13.2	39.6
District of Columbia [‡]	6.8	8.9	15.1	18.8	14.7	35.6
Florida ^{‡†}	5.6	5.6	12.2	16.6	14.0	45.9
Georgia	4.3	7.3	12.7	15.3	13.3	47.1
Guam	2.3	4.8	9.0	13.3	12.8	57.8
Hawaii	6.3	9.7	16.0	19.3	14.5	34.3
Idaho [†]	5.2	5.5	12.9	19.8	16.2	40.4
Illinois	4.8	8.1	14.1	17.1	13.6	42.4
Indiana [‡]	4.9	7.5	14.3	19.5	15.7	38.0
Iowa [‡]	8.2	9.5	15.0	18.8	14.5	34.1
Kansas	5.3	7.8	13.9	17.4	14.4	41.2
Kentucky [‡]	5.9	7.2	12.6	17.3	14.7	42.3
Louisiana	2.9	7.4	14.7	18.8	15.2	41.0
Maine	6.9	11.8	19.4	22.2	14.3	25.4
Maryland ^{b‡}	5.8	9.1	16.0	20.1	14.8	34.3
Massachusetts	5.9	9.4	17.1	21.1	14.4	32.0
Michigan	5.3	9.4	14.8	17.1	13.1	40.3
Minnesota	7.8	10.6	16.8	19.9	13.9	31.0
Mississippi	3.5	4.0	8.3	13.2	13.9	57.1
Missouri [†]	3.3	4.5	9.9	16.6	16.0	49.8
Montana [†]	8.0	6.3	11.6	16.5	14.6	43.0
Nebraska [†]	6.8	6.3	13.2	18.9	15.4	39.5
Nevada	6.3	8.5	14.6	17.6	13.5	39.5
New Hampshire	5.9	10.6	18.6	23.0	15.6	26.4
New Jersey [‡]	8.0	12.6	22.0	20.3	13.3	23.9
New Mexico [‡]	4.7	9.9	17.2	19.3	14.0	34.9
New York	5.4	9.1	14.6	15.9	12.0	42.9
North Carolina	5.2	8.9	14.6	17.5	13.8	40.0

State	Percentage of Account Balance Redeemed in Two Weeks After Issuance (Percentage of Households)					
	<10%	10-25%	26-50%	51-75%	76-90%	91-100%
North Dakota [†]	8.3	6.4	12.8	18.0	15.0	39.5
Ohio	6.1	9.1	14.2	16.8	13.5	40.4
Oklahoma	3.2	6.5	13.0	18.2	15.2	43.9
Oregon	6.9	11.1	16.5	18.0	13.2	34.3
Pennsylvania	6.0	9.7	13.1	14.3	11.9	45.0
Rhode Island	7.1	9.4	18.6	23.7	15.0	26.2
South Carolina [‡]	4.6	7.3	14.7	20.7	16.5	36.2
South Dakota [†]	5.6	6.0	10.9	15.4	14.0	48.1
Tennessee [‡]	4.3	5.4	10.4	16.1	15.2	48.6
Texas	3.9	9.9	16.9	19.1	14.5	35.7
Utah	6.1	10.1	16.3	18.0	13.4	36.1
Vermont	4.4	7.5	12.7	15.2	13.4	46.9
Virginia	4.3	7.3	12.1	15.0	13.3	48.1
Virgin Islands	7.9	12.5	18.8	19.2	13.4	28.3
Washington [‡]	5.6	9.3	18.8	22.2	15.0	29.1
West Virginia	3.6	7.9	16.3	22.3	16.6	33.3
Wisconsin	7.8	11.9	16.2	16.6	12.0	35.5
Wyoming [‡]	8.8	8.6	15.9	20.2	15.1	31.5

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes periods with a P-EBT issuance and issuance periods of less than 14 days in length. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Excludes transactions in September 2022 because many households received an early standard issuance in that month due to Hurricane Idalia.

^b Excludes transactions in October 2021 because many households received an early EA distribution in that month; EA was typically distributed with the household's standard benefit issuance.

[†] State did not issue emergency allotments during FY 2022.

[‡] State issued emergency allotments and standard benefits in a combined issuance.

Appendix D

Changes in Redemptions Relative to FY 2017

Table D.1. Average Number of Monthly Transactions and Amounts: FYs 2017 and 2022, for States with No EA

State	Average Number of Transactions per Household		Average Transaction Amount (\$)		Monthly Household Total Redemption Amount (\$)	
	FY 2017	FY 2022	FY 2017	FY 2022	FY 2017	FY 2022
Average across non-EA States	8.7	8.0	34.58	39.00	288.40	311.49
Arkansas	8.9	7.8	33.68	37.90	298.51	296.07
Florida	8.4	7.7	33.17	39.66	279.39	306.29
Idaho	9.0	7.5	34.31	38.02	308.34	283.01
Missouri	9.8	9.3	31.83	36.44	309.86	339.87
Montana	8.8	8.4	34.74	38.89	305.23	325.95
Nebraska	8.8	8.3	34.72	38.07	304.23	315.02
North Dakota	7.8	7.7	39.25	42.05	306.23	324.11
South Dakota	9.6	9.7	34.90	39.96	333.05	391.04

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Dollar values for FY 2017 converted to FY 2022 dollars using food at home Consumer Price Index values. FY 2022 tabulations include transactions made with P-EBT issuances.

Table D.1a. Average Number of Monthly Transactions and Amounts in Calendar Months with No EA: FYs 2017 and 2022, for States That Ended EA In FY 2022

State	Average Number of Transactions per Household		Average Transaction Amount (\$)		Monthly Household Total Redemption Amount (\$)	
	FY 2017	FY 2022	FY 2017	FY 2022	FY 2017	FY 2022
Average across States ending EA	9.6	8.8	33.07	38.05	311.06	336.73
Arizona	10.7	10.7	29.46	35.39	313.90	378.32
Georgia	9.8	9.1	34.01	39.99	331.31	364.09
Indiana	9.5	8.4	33.02	38.87	313.99	325.95
Iowa	8.8	8.9	31.19	34.07	274.92	303.47
Kentucky	9.1	8.1	33.06	38.54	299.18	310.45
Mississippi	9.0	8.0	33.28	36.95	300.19	294.61
Tennessee	9.2	8.2	32.74	38.58	301.44	315.49
Wyoming	8.6	8.7	37.76	37.21	324.24	324.56

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Dollar values for FY 2017 converted to FY 2022 dollars using food at home Consumer Price Index values. There are no calendar month-specific measures from the FY 2017 study that allow for a direct comparison within the same calendar months from FY 2017 to FY 2022. Households in States that ended EA in FY 2022 have varying months with no EA and may carry higher balances in the months immediately after EA ended in their State. Analysis excludes Alaska, which ended EA one month prior to the end of the fiscal year. FY 2022 tabulations include transactions made with P-EBT issuances.

Table D.1b. Average Number of Monthly Transactions and Amounts: FYs 2017 and 2022, for States with EA in All Months in FY 2022

State	Average Number of Transactions per Household		Average Transaction Amount (\$)		Monthly Household Total Redemption Amount (\$)	
	FY 2017	FY 2022	FY 2017	FY 2022	FY 2017	FY 2022
Average across EA States	9.4	11.3	32.70	39.00	301.53	438.10
Alabama	9.2	11.6	33.49	38.01	307.85	439.33
California	11.0	10.1	30.23	38.05	332.04	382.42
Colorado	9.4	10.9	33.12	38.98	309.71	422.75
Connecticut	8.2	10.7	34.19	41.43	278.96	443.71
Delaware	8.9	12.4	32.48	37.57	288.27	463.91
District of Columbia	8.9	11.1	31.98	42.03	284.51	466.59
Guam	18.2	17.6	38.00	38.56	691.82	679.01
Hawaii	15.2	15.5	35.36	45.64	538.75	708.49
Illinois	9.6	12.3	30.45	36.97	292.01	453.84
Kansas	9.6	12.9	30.59	36.15	292.53	465.92
Louisiana	9.7	10.8	33.08	39.61	320.83	426.94
Maine	7.7	11.1	33.11	40.14	254.00	446.24
Maryland	8.1	8.9	34.17	43.07	277.43	383.96
Massachusetts	7.7	10.1	34.81	42.52	266.65	427.42
Michigan	9.3	11.6	30.94	38.73	286.20	447.46
Minnesota	8.2	9.5	35.17	41.43	286.62	395.15
Nevada	9.7	11.9	29.07	37.58	281.70	445.23
New Hampshire	7.2	10.4	35.33	43.77	253.36	454.98
New Jersey	8.3	11.3	33.45	43.78	277.38	495.80
New Mexico	9.2	11.3	33.54	39.19	307.46	441.83
New York	10.4	12.5	28.46	34.84	296.36	434.73
North Carolina	8.9	12.2	33.38	39.05	297.78	475.92
Ohio	8.9	11.7	32.60	38.85	290.08	455.07
Oklahoma	10.7	11.9	29.75	35.19	319.06	417.84
Oregon	9.6	12.5	28.47	36.07	271.64	448.33
Pennsylvania	8.6	11.1	32.88	38.96	283.61	433.24
Rhode Island	8.9	11.0	31.05	38.19	276.84	418.92
South Carolina	9.1	10.6	34.30	40.71	313.11	431.57
Texas	9.2	12.1	35.96	43.38	330.22	525.71
Utah	9.9	12.2	34.06	39.09	337.60	478.26
Vermont	9.1	11.3	34.54	42.08	314.72	476.97
Virginia	9.0	11.8	33.26	38.65	299.17	455.50
Virgin Islands2	9.1	10.8	46.58	56.05	421.92	603.54
Washington	8.6	10.3	30.78	39.67	263.18	407.30
West Virginia	8.6	10.2	32.38	37.37	279.23	380.21

State	Average Number of Transactions per Household		Average Transaction Amount (\$)		Monthly Household Total Redemption Amount (\$)	
	FY 2017	FY 2022	FY 2017	FY 2022	FY 2017	FY 2022
Wisconsin	8.0	12.2	32.35	38.18	257.79	465.10

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Dollar values for FY 2017 converted to FY 2022 dollars using food at home Consumer Price Index values. There are no calendar month-specific measures from the FY 2017 study that allow for a direct comparison within the same calendar months from FY 2017 to FY 2022. FY 2022 tabulations include transactions made with P-EBT issuances.

Table D.2. Average Percentage of Benefit Issuance Redeemed by Days Since Issuance: FYs 2017 And 2022, for States with No EA

State	Cumulative Percentage of Benefit Issuance Redeemed by Days Since Issuance							
	FY 2017				FY 2022			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Average across non-EA States	57.8	78.1	89.4	96.0	58.2	79.2	89.7	96.0
Arkansas	64.6	83.3	92.8	97.5	66.0	84.6	93.1	96.9
Florida	55.3	75.7	86.8	94.9	57.0	78.4	89.3	96.1
Idaho	54.2	75.7	88.4	95.9	54.8	76.3	88.2	94.7
Missouri	62.4	81.2	91.0	96.4	62.6	82.0	91.1	95.8
Montana	55.5	76.6	88.6	95.7	54.9	76.8	88.5	95.2
Nebraska	54.1	75.8	88.5	96.2	53.7	75.8	88.0	95.2
North Dakota	54.0	75.0	87.3	95.4	52.8	74.7	86.8	94.8
South Dakota	62.6	81.9	91.5	96.3	59.6	80.8	91.0	95.6

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT and STARS Data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: FY 2022 analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

Table D.2a. Average Percentage of Benefits Redeemed By Days Since Issuance: FYs 2017 and 2022, for States That Ended EA in FY 2022

State	Number of Months with No EA in FY 2022	Cumulative Percentage of Benefit Issuance Redeemed by Days Since Issuance							
		FY 2017				FY 2022			
		Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Average across States ending EA	6	60.0	79.8	90.4	96.4	63.9	83.3	91.8	96.0
Arizona	5	55.6	77.3	89.6	96.5	59.2	80.4	90.9	96.1
Georgia	4	61.3	80.8	91.0	96.5	66.5	85.1	92.5	96.0
Indiana	4	60.1	79.8	90.3	96.1	62.5	82.4	90.9	94.9
Iowa	6	56.1	77.1	89.1	95.9	58.4	79.5	90.1	95.5
Kentucky	6	62.4	81.4	91.2	96.7	63.7	83.2	92.3	96.5
Mississippi	9	69.5	86.1	93.5	97.5	69.5	86.6	93.5	96.8
Tennessee	9	63.2	81.8	91.4	96.7	64.2	83.3	92.0	96.3
Wyoming	5	51.9	73.8	86.9	95.5	54.5	76.2	87.5	94.6

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT Data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: There are no calendar month-specific measures from the FY 2017 study that allow for a direct comparison within the same calendar months from FY 2017 to FY 2022. Households in States that ended EA in FY 2022 have varying months with no EA and may carry higher balances in the months immediately after EA ended in their State. FY 2022 analysis excludes periods with a P-EBT issuance. Analysis excludes Alaska, which ended EA one month prior to the end of the fiscal year. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

Table D.2b. Average Percentage of Benefit Issuance Redeemed by Days Since Issuance: FYs 2017 And 2022, for States with EA in All Months in FY 2022

State	Cumulative Percentage of Benefit Issuance Redeemed by Days Since Issuance							
	FY 2017				FY 2022			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Average across EA States	57.0	78.0	86.5	96.2	55.9	79.6	89.6	93.8
Alabama	66.8	84.4	92.9	97.2	64.2	85.9	93.7	93.4
California	51.6	74.6	88.2	95.9	52.9	77.6	88.2	92.0
Colorado	52.8	75.0	88.0	95.5	57.6	81.8	91.5	95.3
Connecticut	57.2	78.2	89.9	96.8	58.9	83.0	92.5	97.1
Delaware	58.8	79.4	90.0	95.9	57.9	80.3	91.8	95.8
District of Columbia	59.8	79.8	90.4	96.2	51.3	73.6	86.4	93.8
Guam	71.6	87.5	94.7	98.4	65.7	88.0	95.9	98.0
Hawaii	48.0	71.6	86.2	95.9	53.7	87.8	94.5	86.8
Illinois	56.2	77.0	88.8	96.0	60.3	81.9	94.5	96.7
Kansas	58.7	79.3	90.7	96.8	61.3	82.1	91.9	95.0
Louisiana	63.3	82.4	92.1	97.1	58.6	80.4	89.9	94.3
Maine	58.3	78.9	89.6	95.6	46.1	71.5	86.0	92.9
Maryland	60.7	80.1	90.4	96.1	51.2	73.1	85.6	93.2
Massachusetts	58.2	79.1	90.3	96.4	51.7	75.5	88.7	94.4
Michigan	60.9	80.4	90.3	95.8	57.7	80.8	91.1	95.5
Minnesota	54.5	76.2	88.6	95.5	49.4	73.7	86.9	94.0
Nevada	54.3	76.3	88.6	96.4	54.1	79.1	89.9	94.1
New Hampshire	55.4	76.8	89.2	96.2	46.4	70.9	86.1	94.8
New Jersey	53.4	74.8	87.0	96.1	44.1	67.9	83.0	93.9
New Mexico	54.1	75.5	87.6	95.2	56.7	78.3	89.3	95.4
New York	52.9	74.9	87.5	95.5	57.6	81.8	91.3	93.3
North Carolina	59.8	79.8	90.4	96.0	59.5	83.6	92.2	93.0
Ohio	56.3	77.0	88.4	95.7	58.7	81.2	91.6	95.8
Oklahoma	60.8	80.9	91.6	97.4	60.3	82.9	92.2	95.5
Oregon	54.2	76.7	89.4	96.2	52.8	81.8	91.1	91.9
Pennsylvania	56.6	78.2	89.4	96.3	60.0	82.7	83.7	89.2
Rhode Island	54.5	76.2	88.4	96.2	44.8	69.7	85.1	95.0
South Carolina	61.4	81.2	81.2	97.0	52.7	75.0	87.4	94.6
Texas	55.0	75.8	75.8	94.3	57.6	80.1	90.3	95.2
Utah	51.3	74.1	74.1	95.2	56.2	80.1	86.2	95.7
Vermont	54.6	76.2	76.2	96.1	58.4	88.7	88.5	91.5
Virginia	48.3	75.0	75.0	96.4	61.9	86.3	93.9	77.6
Virgin Islands ²	57.8	78.1	78.1	96.5	53.7	76.4	89.4	
Washington	54.0	76.3	76.3	95.9	46.1	69.7	84.1	93.4
West Virginia	62.3	81.6	81.6	97.2	51.4	75.4	88.5	95.6

State	Cumulative Percentage of Benefit Issuance Redeemed by Days Since Issuance							
	FY 2017				FY 2022			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Wisconsin	57.8	78.2	78.2	95.8	54.0	78.6	89.6	93.0

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT and STARS Data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per state and month.

Note: FY 2022 analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

Table D.3. Distribution of Households by Amount of Issuance Carried over to the Next Issuance Period: FYs 2017 and 2022, for States with No EA

State	Dollar Amount of Unspent Issuance (Percentage of Households)									
	FY 2017					FY 2022				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50	<\$1	\$1-10	\$11-25	\$26-50	>\$50
Average across non-EA States	62.0	23.6	5.3	3.6	5.5	66.2	19.6	5.0	3.4	5.8
Arkansas	64.7	25.8	4.0	2.3	3.2	65.5	24.1	4.2	2.5	3.7
Florida	65.2	20.2	5.2	3.5	5.9	67.9	18.4	4.9	3.4	5.5
Idaho	60.6	23.3	6.0	4.0	6.1	60.3	20.5	6.3	4.4	8.5
Missouri	62.2	24.8	4.8	3.2	5.1	61.4	23.0	5.3	3.6	6.7
Montana	61.5	23.2	5.6	3.7	6.0	64.3	20.3	5.2	3.7	6.5
Nebraska	61.9	23.6	5.4	3.6	5.4	62.7	20.4	5.4	3.9	7.6
North Dakota	60.2	22.7	6.2	4.4	6.5	62.2	19.9	5.6	4.2	8.2
South Dakota	60.0	25.0	5.4	3.8	5.9	61.8	21.7	5.2	3.8	7.3

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT Data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Unspent issuance is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

Table D.3a. Distribution of Households by Amount of Issuance Carried over to the Next Issuance Period: FYs 2017 and 2022, For States That Ended EA in FY 2022

State	Amount of Unspent Issuance ^a (Percentage of Households)									
	FY 2017					FY 2022				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50	<\$1	\$1-10	\$11-25	\$26-50	>\$50
Average across States ending EA	62.8	24.4	4.7	3.1	5.0	65.2	21.5	4.2	2.8	6.3
Arizona	62.8	23.8	4.8	3.3	5.2	66.1	20.8	4.5	2.9	5.7
Georgia	63.2	24.4	4.5	3.0	5.0	66.0	20.8	3.8	2.7	6.7
Indiana	61.8	24.4	4.7	3.3	5.7	62.1	20.3	4.8	3.5	9.4
Iowa	61.4	24.2	5.4	3.6	5.4	64.5	21.0	4.8	3.3	6.5
Kentucky	64.0	24.5	4.4	2.7	4.4	68.2	21.6	3.7	2.2	4.4
Mississippi	65.5	25.3	3.7	2.2	3.3	64.2	25.0	4.0	2.5	4.4
Tennessee	63.4	24.6	4.6	2.8	4.6	64.4	22.8	4.6	2.9	5.3
Wyoming	59.9	23.7	5.8	3.9	6.6	62.3	19.8	4.8	3.9	9.2

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT Data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: There are no calendar month-specific measures from the FY 2017 study that allow for a direct comparison within the same calendar months from FY 2017 to FY 2022. Households in States that ended EA in FY 2022 have varying months with no EA and may carry higher balances in the months immediately after EA ended in their State. Analysis excludes Alaska, which ended EA one month prior to the end of the fiscal year. Unspent issuance is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

Table D.3b. Distribution of Households by Amount of Issuance Carried over to the Next Issuance Period: FYs 2017 and 2022, for States with EA in All Months in FY 2022

State	Dollar Amount of Unspent Issuance (Percentage of Households)									
	FY 2017					FY 2022				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50	<\$1	\$1-10	\$11-25	\$26-50	>\$50
Average across EA States	62.9	23.3	5.1	3.4	5.3	56.3	11.2	5.0	5.4	22.2
Alabama	64.6	24.8	4.1	2.5	4.0	56.3	13.6	5.5	5.6	19.0
California	59.8	22.8	7.0	4.0	6.3	56.6	8.7	4.6	5.5	24.6
Colorado	60.3	23.3	5.9	4.0	6.5	53.7	8.4	4.3	4.9	28.6
Connecticut	65.9	22.0	4.8	3.2	4.2	57.2	10.8	5.3	6.0	20.7
Delaware	62.8	23.6	4.8	3.3	5.5	53.4	10.5	4.9	5.6	25.6
District of Columbia	65.0	23.3	4.4	2.8	4.5	62.1	16.9	4.6	4.1	12.2
Guam	62.4	26.4	4.5	2.7	4.1	56.7	13.8	4.2	3.9	21.5
Hawaii	57.8	21.0	6.6	4.8	9.8	55.1	3.7	2.2	2.9	36.1
Illinois	64.4	22.4	4.7	3.2	5.3	56.6	13.0	5.6	5.9	18.9
Kansas	62.7	24.6	5.2	3.2	4.3	54.6	14.6	5.9	6.2	18.7
Louisiana	64.8	24.4	4.0	2.4	4.4	57.4	13.5	5.3	5.3	18.5
Maine	59.1	25.3	7.0	3.7	4.9	53.2	12.5	5.9	6.6	21.8
Maryland	64.5	22.6	4.7	3.1	5.1	57.8	16.9	5.4	4.8	15.1
Massachusetts	65.9	21.3	4.9	3.3	4.6	59.1	12.2	5.7	6.1	16.8
Michigan	64.9	22.4	4.5	3.1	5.1	54.8	10.1	4.6	5.2	25.4
Minnesota	61.2	23.4	5.6	3.9	6.0	58.0	11.5	4.7	5.0	20.8
Nevada	65.0	22.5	4.8	3.0	4.7	58.4	10.0	4.3	4.6	22.6
New Hampshire	63.2	23.2	5.7	3.4	4.5	59.4	15.5	5.4	4.9	14.8
New Jersey	65.0	21.6	5.2	3.2	5.0	61.7	14.8	5.1	4.6	13.7
New Mexico	60.0	23.6	5.6	3.9	7.0	52.4	9.8	5.0	5.8	26.9
New York	63.9	20.7	5.1	3.9	6.4	56.8	10.2	4.8	5.7	22.5
North Carolina	62.3	24.2	4.7	3.3	5.6	54.1	11.3	5.3	5.8	23.6
Ohio	63.1	22.9	4.9	3.3	5.8	54.2	10.9	5.2	6.0	23.8
Oklahoma	63.8	25.2	4.5	2.7	3.8	52.9	10.0	4.5	4.9	27.7
Oregon	63.0	22.5	5.7	3.7	5.0	53.7	7.8	4.2	5.0	29.4
Pennsylvania	63.6	23.0	4.8	3.4	5.1	56.4	12.1	5.4	5.9	20.2
Rhode Island	66.4	21.2	5.0	3.2	4.2	59.3	12.4	4.6	4.4	19.3
South Carolina	63.7	24.6	4.5	2.8	4.3	57.6	18.6	5.2	4.5	14.1
Texas	62.2	23.1	4.8	3.2	6.7	56.1	10.5	4.6	5.0	23.9
Utah	59.1	23.2	5.8	4.0	7.8	53.0	10.5	5.6	6.3	24.5
Vermont	62.2	22.6	5.5	3.9	5.8	57.4	9.5	4.7	5.2	23.1
Virginia	63.0	23.8	5.0	3.3	4.9	55.2	11.7	5.2	5.6	22.3
Virgin Islands2	59.0	24.7	5.7	3.9	6.7	54.4	9.2	5.3	6.2	24.9

State	Dollar Amount of Unspent Issuance (Percentage of Households)									
	FY 2017					FY 2022				
	<\$1	\$1-10	\$11-25	\$26-50	>\$50	<\$1	\$1-10	\$11-25	\$26-50	>\$50
Washington	62.7	22.7	5.6	3.7	5.4	57.0	16.9	5.8	5.1	15.2
West Virginia	64.2	25.0	4.5	2.7	3.6	56.2	15.2	5.3	5.1	18.2
Wisconsin	62.9	23.3	5.2	3.3	5.3	54.5	9.2	4.7	5.5	26.1

Sources: Castner et al. (2020), FY 2017. Mathematica tabulations of ALERT Data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per state and month.

Note: Unspent issuance is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

Table D.4. Benefit Redemption Patterns for States With and Without EA in FY 2022

Measure	States with no EA (n=8)	States with EA (n=36)
Average number of transactions per household	8.0	11.3
Average transaction amount (\$)	39.00	39.04
Monthly household total redemption amount (\$)	311.49	438.51
Cumulative percentage of monthly benefit redeemed by:		
Day 7	58.2	55.9
Day 14 ^a	79.2	79.5
Day 21 ^b	89.7	89.5
End of month ^c	96.0	93.8
Average unspent issuance (\$)	10.67	44.57
Average end-of-period balance (\$)	61.39	221.68
Cumulative percentage of account balance redeemed by:		
Day 7	53.7	46.2
Day 14 ^a	73.0	66.3
Day 21 ^b	83.4	77.2
End of month ^c	90.7	84.4
Distribution of households by amount of unspent issuance (percentage of households):		
<\$1	66.2	56.3
\$1-10	19.6	11.2
\$11-25	5.0	5.0
\$26-50	3.4	5.4
>\$50	5.8	22.2
Average monthly number of transactions per household by store type		
Supermarkets/Super stores	5.0	6.4
Large/medium grocery	0.3	0.5
Small grocery	0.0	0.2
Convenience	1.3	2.3
Specialty food	0.0	0.1
Internet retailer	0.3	0.4
Other type	1.0	1.3
Average EBT transaction amount by store type (\$)		
Supermarkets/Super stores	50.34	53.26
Large/medium grocery	33.30	31.05
Small grocery	20.89	16.09
Convenience	9.26	10.44
Specialty food	39.99	38.82
Internet retailer	60.14	62.90
Other type	16.32	18.61

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Benefit exhaustion statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Table excludes States that ended EA during FY 2022. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

Table D.5. Changes Across Months With and Without EA in Average Number of Monthly Transactions and Amounts, for States Ending EA, FY 2022

State	Average Number of Transactions per Household		Average Transaction Amount (\$)		Monthly Household Total Redemption Amount (\$)	
	Months With EA	Months With No EA	Months With EA	Months With No EA	Months With EA	Months With No EA
Average across States ending EA	11.5	8.8	40.24	38.05	458.46	336.73
Arizona	12.4	10.7	37.41	35.39	462.82	378.32
Georgia	12.6	9.1	41.99	39.99	528.36	364.09
Indiana	11.0	8.4	40.46	38.87	444.18	325.95
Iowa	10.8	8.9	38.06	34.07	413.19	303.47
Kentucky	11.0	8.1	40.53	38.54	445.24	310.45
Mississippi	10.7	8.0	36.48	36.95	390.08	294.61
Tennessee	10.6	8.2	39.30	38.58	417.50	315.49
Wyoming	10.3	8.7	41.98	37.21	433.26	324.56

Source: Mathematica tabulations of ALERT and STARS Data, FY 2022. Average monthly statistics.

Note: Analysis excludes Alaska, which ended EA one month prior to the end of the fiscal year. Tabulations include transactions made with P-EBT issuances.

Table D.6. Changes Across Months With and Without EA in the Percentage of Benefit Issuance Redeemed by Days Since Issuance, for States Ending EA, FY 2022

State	Cumulative Percentage of Benefit Issuance Redeemed by Days Since Issuance							
	Months With EA				Months With No EA			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Average across States ending EA	55.1	78.0	88.7	95.1	63.9	83.3	91.8	96.0
Arizona	47.3	71.0	85.6	94.5	59.2	80.4	90.9	96.1
Georgia	61.5	85.5	94.8	83.0	66.5	85.1	92.5	96.0
Indiana	51.3	73.2	86.4	94.9	62.5	82.4	90.9	94.9
Iowa	44.1	67.0	82.2	92.3	58.4	79.5	90.1	95.5
Kentucky	51.6	73.6	86.7	95.0	63.7	83.2	92.3	96.5
Mississippi	60.0	82.7	92.8	97.6	69.5	86.6	93.5	96.8
Tennessee	53.2	74.9	87.6	95.4	64.2	83.3	92.0	96.3
Wyoming	44.2	67.7	82.8	92.7	54.5	76.2	87.5	94.6

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes Alaska, which ended EA one month prior to the end of the fiscal year. Analysis excludes periods with a P-EBT issuance. The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

Table D.7. Changes Across Months With and Without EA in the Percentage of Benefit Issuance Carried Over to the Next Issuance Period, for States Ending EA, FY 2022

State	Distribution of Households by Percentage of Benefit Issuance Carried Over from One Period to the Next (Percentage of Households)									
	Months With EA					Months With No EA				
	Zero	1-25%	26-50%	51-75%	76-100%	Zero	1-25%	26-50%	51-75%	76-100%
Average across States ending EA	64.9	23.3	6.6	3.6	1.7	71.9	22.9	3.2	1.4	0.6
Arizona	67.5	24.3	5.1	2.2	1.0	72.6	22.6	2.9	1.3	0.6
Georgia	59.9	22.1	9.3	5.9	2.8	73.1	21.4	3.3	1.5	0.6
Indiana	68.3	24.7	4.7	1.7	0.6	68.4	24.5	4.4	2.0	0.7
Iowa	61.5	27.2	7.1	3.0	1.1	69.8	24.5	3.6	1.5	0.6
Kentucky	69.1	23.2	5.0	2.0	0.7	74.8	21.0	2.6	1.1	0.5
Mississippi	60.9	22.5	7.9	5.3	3.4	71.7	24.5	2.6	0.9	0.3
Tennessee	70.5	23.0	4.4	1.6	0.6	71.4	24.1	2.9	1.1	0.4
Wyoming	62.9	24.7	6.7	3.8	2.0	68.5	24.0	4.6	2.0	0.8

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes Alaska, which ended EA one month prior to the end of the fiscal year. Benefit issuance carried over is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

Table D.8. Changes Across Months With and Without EA in the Percentage of Account Balance Carried Over to the Next Issuance Period, for States Ending EA, FY 2022

State	Distribution of Households by Percentage of Account Balance Carried Over from One Period to the Next									
	Months with EA					Months with No EA				
	Zero	1-25%	26-50%	51-75%	76-100%	Zero	1-25%	26-50%	51-75%	76-100%
Average across States ending EA	36.4	37.3	10.7	9.0	6.7	49.1	38.1	6.1	4.0	2.7
Arizona	44.1	35.2	8.9	7.1	4.6	51.6	36.4	5.5	3.8	2.8
Georgia	23.2	38.9	14.1	12.9	10.8	48.9	37.4	6.7	4.3	2.7
Indiana	45.9	35.8	8.3	6.1	3.8	44.9	39.4	7.6	4.8	3.3
Iowa	36.2	37.5	10.5	9.3	6.5	43.2	41.0	6.6	5.0	4.1
Kentucky	46.1	34.2	8.6	6.8	4.3	52.6	35.7	5.2	3.7	2.8
Mississippi	29.8	40.5	11.8	9.6	8.2	51.5	40.0	4.4	2.6	1.6
Tennessee	45.5	36.3	8.4	6.3	3.6	49.8	39.4	5.2	3.3	2.2
Wyoming	36.2	37.5	10.9	8.9	6.5	45.6	39.1	6.7	4.8	3.7

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Analysis excludes Alaska, which ended EA one month prior to the end of the fiscal year. Analysis excludes periods with a P-EBT issuance. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length.

Table D.9. Average Number of Transactions and Amounts, for P-EBT Issuance Periods Versus Non-P-EBT Issuance Periods, FY 2022

State	Average Number of Transactions per Household		Average Transaction Amount (\$)		Household Total Redemption Amount over Issuance Period (\$)	
	Periods with P-EBT	Periods with no P-EBT	Periods with P-EBT	Periods with no P-EBT	Periods with P-EBT	Periods with no P-EBT
Total U.S.	15.9	11.1	58.70	58.07	744.91	493.44
Alabama	16.1	9.7	58.88	53.77	770.17	421.26
Colorado	15.1	11.3	57.68	62.50	704.16	538.59
Connecticut	10.5	8.6	60.08	63.74	529.21	429.70
Delaware	15.1	9.2	54.34	58.07	635.92	401.24
District of Columbia	18.7	16.4	68.01	66.57	1023.00	838.46
Florida	19.4	11.9	60.18	60.12	954.55	542.93
Illinois	15.8	9.1	57.11	56.26	725.05	409.91
Indiana	21.6	16.9	60.75	60.36	1046.33	792.43
Iowa	16.0	14.9	50.05	55.77	622.43	636.22
Kansas	20.6	10.3	58.10	50.96	924.80	408.90
Kentucky	17.8	16.4	59.94	56.43	865.38	725.13
Massachusetts	13.6	9.9	65.54	66.59	696.70	505.34
Minnesota	16.2	11.5	61.99	68.00	831.20	620.05
Missouri	16.1	12.9	61.07	54.42	765.65	529.37
Montana	18.0	13.0	58.21	60.05	823.42	596.78
Nebraska	14.0	11.0	57.70	55.05	644.54	470.48
Nevada	21.7	10.3	59.87	60.06	1093.60	469.14
New Hampshire	18.7	15.0	70.81	66.77	1061.89	766.35
New Jersey	21.6	16.2	65.56	67.64	1116.33	819.04
New York	16.6	11.0	57.88	53.43	724.39	432.65
North Carolina	12.5	9.2	55.87	56.63	577.73	410.73
North Dakota	20.3	14.1	77.06	65.80	1267.26	715.84
Ohio	14.4	9.6	57.22	57.66	664.33	423.87
Oregon	19.0	10.2	57.82	59.69	896.01	461.08
Pennsylvania	8.7	10.5	53.32	56.22	379.57	461.50
Rhode Island	20.5	13.7	58.14	60.28	966.99	627.69
South Dakota	22.8	14.8	60.45	57.19	1130.15	659.33
Utah	15.2	9.4	61.12	57.62	763.66	431.27
Vermont	11.0	8.5	62.70	62.65	539.60	402.95
Virginia	13.4	9.1	60.04	58.58	643.48	411.65
Virgin Islands	14.3	8.5	89.38	83.92	1024.36	560.17
Wisconsin	14.1	9.9	61.08	57.92	696.63	442.97

Source: Mathematica tabulations of ALERT Data, FY 2022. Average statistics based on a random sample of approximately 20,000 households per State and month. Analysis includes only households that had at least one identifiable P-EBT issuance during FY 2022.

Table D.10. Average Percentage of Benefits Redeemed by Days Since Issuance, for P-EBT Issuance Periods Versus Non-P-EBT Issuance Periods, FY 2022

State	Cumulative Percentage of Benefit Issuance Redeemed by Days Since Issuance							
	Periods with P-EBT				Periods with no P-EBT			
	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c	Day 7	Day 14 ^a	Day 21 ^b	End of Month ^c
Total U.S.	40.0	63.0	77.8	87.0	59.3	83.4	92.6	97.0
Alabama	46.7	68.4	83.0	91.3	64.4	86.7	94.8	96.3
Colorado	48.2	75.8	86.8	89.0	55.9	84.1	94.5	97.9
Connecticut	49.0	79.6	60.6	89.1	61.4	85.4	55.2	82.1
Delaware	45.6	73.1	89.5	95.3	59.3	82.4	94.1	97.6
District of Columbia	32.9	46.0	55.6	72.4	57.0	79.8	91.8	97.4
Florida	28.3	46.0	62.7	83.2	59.7	82.0	92.5	97.9
Illinois	48.3	77.1	94.0	96.2	62.4	84.0	91.1	92.8
Indiana	31.6	46.8	62.5	86.6	53.0	76.0	89.3	96.5
Iowa	45.2	69.1	85.5	91.8	49.4	72.5	86.7	95.5
Kansas	26.9	35.5	47.2	73.3	62.7	83.0	93.7	97.9
Kentucky	35.3	53.8	69.2	77.4	54.9	77.4	90.4	97.4
Massachusetts	45.0	65.7	80.7	93.4	54.2	77.7	91.2	96.8
Minnesota	43.8	65.9	78.3	93.2	49.2	75.3	89.1	96.0
Missouri	40.8	60.5	73.9	87.6	64.0	84.2	92.9	96.8
Montana	36.2	56.5	72.3	89.8	56.9	79.9	91.6	97.6
Nebraska	31.1	50.0	67.2	85.0	52.6	75.9	88.9	96.1
Nevada	30.5	55.5	76.2	88.2	57.3	85.5	94.7	97.5
New Hampshire	34.5	59.2	77.9	93.0	48.7	74.3	89.8	97.4
New Jersey	31.1	52.7	72.0	88.0	47.1	72.4	87.7	96.6
New York	35.4	60.4	81.5	92.3	61.1	85.4	95.1	96.0
North Carolina	53.5	78.0	89.8	94.5	61.3	86.5	94.4	94.3
North Dakota	22.2	31.5	37.1	72.5	54.2	77.6	90.4	97.4
Ohio	47.5	72.8	87.7	93.7	61.6	84.7	94.2	97.9
Oregon	37.7	67.5	86.5	90.7	54.3	87.4	95.0	96.6
Pennsylvania	43.1	59.0	67.3	76.7	64.3	87.1	88.4	92.0
Rhode Island	33.7	51.9	69.0	90.2	47.7	73.9	89.3	97.6
South Dakota	26.1	35.7	43.2	76.6	64.5	85.8	94.6	98.0
Utah	34.5	60.1	70.7	88.9	58.1	81.8	89.6	96.5
Vermont	44.3	69.2	72.4	89.1	59.5	91.3	91.4	96.0
Virginia	35.3	70.4	84.4	80.7	63.7	90.2	96.9	84.3
Virgin Islands	29.2	45.3	64.0	-	57.4	80.3	93.0	-
Wisconsin	34.1	52.4	68.5	91.3	58.2	83.9	94.1	95.9

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: The percentage of benefit issuance redeemed reflects the redemption of benefits in the issuance period relative to the amount issued during the period. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length. Analysis includes only households that had at least one identifiable P-EBT issuance during FY 2022.

^a Day 14 percentage includes only households with issuance periods of at least 14 days.

^b Day 21 percentage includes only households with issuance periods of at least 21 days.

^c End of month percentage includes only households with issuance periods of at least 28 days.

Table D.11. Distribution of Households by Percentage of Issuance Carried over to the Next Issuance Period, for P-EBT Issuance Periods Versus Non-P-EBT Issuance Periods, FY 2022

State	Distribution of Households by Percentage of Benefit Issuance Carried Over from One Period to the Next (Percentage of Households)									
	Periods with P-EBT					Periods with no P-EBT				
	Zero	1-25%	26-50%	51-75%	76-100%	Zero	1-25%	26-50%	51-75%	76-100%
Total U.S.	36.7	30.8	19.4	10.7	2.5	66.6	20.5	7.1	4.0	1.8
Alabama	34.9	38.5	18.5	7.2	0.9	61.8	22.1	8.2	4.8	3.0
Colorado	50.6	19.2	13.9	10.9	5.4	58.2	15.3	10.7	9.9	5.8
Connecticut	52.8	26.7	13.8	5.9	0.8	62.4	23.6	9.2	3.7	1.1
Delaware	53.6	25.5	13.8	6.0	1.0	55.4	21.3	11.0	7.8	4.5
District of Columbia	8.7	37.6	42.2	10.8	0.7	82.3	14.9	1.9	0.7	0.2
Florida	32.2	38.4	22.3	6.4	0.7	80.6	17.0	1.7	0.5	0.2
Illinois	50.4	32.8	12.4	3.8	0.5	63.8	23.6	7.6	3.6	1.4
Indiana	33.1	44.7	17.9	3.9	0.3	75.1	20.4	3.2	1.1	0.2
Iowa	47.1	41.1	9.4	2.2	0.2	70.4	24.0	4.0	1.2	0.3
Kansas	15.3	32.6	30.7	17.3	4.0	63.0	25.4	6.3	3.6	1.7
Kentucky	28.8	34.1	22.8	12.4	1.8	79.1	17.9	2.1	0.7	0.2
Massachusetts	47.8	34.5	11.4	4.8	1.4	69.4	20.5	5.5	3.0	1.7
Minnesota	59.3	31.2	7.2	1.9	0.4	65.0	16.3	7.4	6.5	4.7
Missouri	52.5	27.8	11.0	6.3	2.3	75.5	20.4	2.6	1.1	0.4
Montana	48.3	37.3	10.3	3.2	0.9	78.0	19.0	2.0	0.7	0.2
Nebraska	43.8	30.8	16.2	7.0	2.2	72.7	22.2	3.3	1.4	0.4
Nevada	59.3	25.5	11.6	3.1	0.4	60.9	16.8	10.3	8.0	3.9
New Hampshire	54.6	33.6	9.7	2.0	0.2	75.1	20.0	3.4	1.2	0.3
New Jersey	41.8	39.6	14.5	3.7	0.4	77.4	18.4	3.0	1.0	0.3
New York	16.8	27.6	29.5	21.7	4.4	64.4	20.5	8.9	4.5	1.7
North Carolina	53.2	24.0	13.1	7.9	1.8	58.3	22.6	10.3	6.3	2.6
North Dakota	13.8	35.2	33.2	16.3	1.4	77.7	19.3	2.2	0.5	0.3
Ohio	42.6	30.9	16.6	8.2	1.7	58.6	21.8	10.1	6.2	3.2

State	Distribution of Households by Percentage of Benefit Issuance Carried Over from One Period to the Next (Percentage of Households)									
	Periods with P-EBT					Periods with no P-EBT				
	Zero	1-25%	26-50%	51-75%	76-100%	Zero	1-25%	26-50%	51-75%	76-100%
Oregon	67.7	17.9	10.1	3.8	0.5	56.6	15.3	11.9	10.7	5.4
Pennsylvania	14.6	21.6	27.6	26.0	10.2	64.6	24.5	7.6	2.7	0.7
Rhode Island	42.9	41.7	11.7	3.1	0.7	69.6	15.3	5.5	5.3	4.2
South Dakota	19.0	40.1	27.3	12.4	1.1	80.1	17.6	1.7	0.5	0.1
Utah	24.5	27.4	26.8	18.4	2.9	58.2	23.1	10.6	5.8	2.3
Vermont	34.6	33.0	22.1	9.3	1.0	60.4	21.9	11.4	5.1	1.2
Virginia	35.3	31.1	20.8	11.2	1.6	58.0	23.2	11.4	5.8	1.6
Virgin Islands	16.2	29.8	31.3	18.7	4.0	63.2	20.8	8.4	5.1	2.5
Wisconsin	22.7	28.5	26.9	18.7	3.2	60.6	18.7	10.5	7.0	3.2

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: Benefit issuance carried over is the amount of issuance unredeemed each issuance period, taken as the maximum of zero and (issuance minus redemption). This measure ignores unspent issuance from prior months. For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length. Analysis includes only households that had at least one identifiable P-EBT issuance during FY 2022.

Table D.12. Distribution of Households by Percentage of Account Balance Carried over to the Next Issuance Period, for P-EBT Issuance Periods Versus Non-P-EBT Issuance Periods, FY 2022

State	Distribution of Households by Percentage of Account Balance Carried Over from One Period to the Next (Percentage of Households)									
	Periods with P-EBT					Periods with no P-EBT				
	Zero	1-25%	26-50%	51-75%	76-100%	Zero	1-25%	26-50%	51-75%	76-100%
Total U.S.	20.5	35.0	21.7	16.0	6.8	37.2	34.7	11.5	9.5	7.1
Alabama	21.6	44.1	21.4	10.2	2.6	30.9	40.0	12.7	9.3	7.1
Colorado	24.7	30.5	18.6	16.0	10.3	26.0	30.1	14.9	15.3	13.7
Connecticut	17.0	36.9	19.7	17.7	8.7	29.4	36.6	14.2	11.8	8.0
Delaware	22.8	38.1	20.7	13.3	5.0	26.3	34.9	14.5	12.7	11.7
District of Columbia	3.4	35.0	44.7	14.5	2.5	64.1	23.9	5.4	4.5	2.1
Florida	23.7	38.2	24.2	11.5	2.5	59.6	30.2	5.9	3.1	1.2
Illinois	32.5	40.6	15.6	8.2	3.0	31.3	39.0	12.3	10.1	7.4
Indiana	27.8	45.4	19.3	6.2	1.3	54.7	32.6	7.1	4.1	1.4
Iowa	38.6	47.7	9.1	3.6	0.9	50.0	35.9	7.6	4.8	1.7
Kansas	10.0	31.8	28.3	23.2	6.6	30.9	42.0	11.7	9.0	6.3
Kentucky	23.1	37.4	23.3	13.4	2.9	59.6	29.3	5.7	3.9	1.5
Massachusetts	29.2	42.7	15.3	8.8	4.1	42.7	33.8	10.0	7.7	5.8
Minnesota	30.7	46.8	12.4	7.0	3.1	34.7	32.0	11.7	11.2	10.5
Missouri	46.8	29.7	12.3	7.9	3.3	57.5	31.7	5.8	3.3	1.6
Montana	35.9	45.0	11.9	5.5	1.7	57.8	31.6	5.3	3.7	1.6
Nebraska	31.9	37.1	16.9	9.8	4.2	48.4	36.8	7.1	4.8	2.9
Nevada	22.7	34.1	20.9	17.1	5.1	32.1	29.8	13.1	12.9	12.2
New Hampshire	36.5	36.1	13.3	10.6	3.5	48.6	31.6	8.9	7.5	3.4
New Jersey	23.7	39.8	20.2	12.5	3.8	45.0	30.0	12.2	9.5	3.4
New York	10.7	25.9	26.2	25.2	12.0	28.6	34.7	13.9	13.1	9.8
North Carolina	23.9	38.7	17.6	13.3	6.5	26.6	38.1	14.3	11.7	9.3
North Dakota	11.2	36.3	32.8	17.2	2.4	55.6	34.1	6.5	2.8	1.0

State	Distribution of Households by Percentage of Account Balance Carried Over from One Period to the Next (Percentage of Households)									
	Periods with P-EBT					Periods with no P-EBT				
	Zero	1-25%	26-50%	51-75%	76-100%	Zero	1-25%	26-50%	51-75%	76-100%
Ohio	19.1	39.2	21.1	14.3	6.3	28.3	37.4	14.0	11.2	9.1
Oregon	9.8	26.8	23.7	26.0	13.7	26.8	27.6	14.2	15.1	16.3
Pennsylvania	5.4	20.1	27.4	30.0	17.1	31.9	40.0	11.4	9.1	7.6
Rhode Island	29.8	47.1	15.0	6.1	2.0	46.7	28.5	9.6	8.3	6.8
South Dakota	15.6	41.0	26.4	14.2	2.8	56.9	32.7	5.4	3.4	1.6
Utah	9.1	29.4	28.4	24.6	8.5	21.7	36.8	15.7	14.4	11.5
Vermont	12.3	38.5	27.0	15.8	6.4	26.6	38.8	15.1	11.9	7.7
Virginia	15.0	38.5	24.1	17.1	5.5	27.6	39.2	14.7	11.2	7.2
Virgin Islands	3.3	21.8	26.1	30.4	18.3	18.8	33.5	14.2	16.1	17.4
Wisconsin	10.8	30.8	26.7	22.7	8.9	24.2	32.9	15.1	15.0	12.8

Source: Mathematica tabulations of ALERT data, FY 2022. Average statistics are based on a random sample of approximately 20,000 households per State and month.

Note: For each household, the regular standard and EA issuance dates were imputed from EBT redemption patterns observed over the period from September 2021 to October 2022. A household's issuance period begins on the day they received a benefit issuance and ends on the day before they received their next issuance. Households receiving standard and EA benefits in separate issuances have issuance periods of less than one month that vary in length. See Table B.32 for the distribution of household issuance periods by length. Analysis includes only households that had at least one identifiable P-EBT issuance during FY 2022.

Appendix E

Supplemental State and Territory Tables

Table E.1. Number of Authorized Retailers by Type and State

State	Total Number of Authorized Retailers	Number of Authorized Retailers, by Store Type					
		Super- markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Other Type
Total U.S.	266,144	38,990	16,385	8,781	121,955	6,707	73,143
Alabama	5,057	693	199	100	2,206	126	1,728
Alaska	544	84	39	37	268	22	94
Arizona	4,462	732	184	78	1,835	92	1,536
Arkansas	2,782	382	113	58	1,228	68	927
California	28,309	4,668	2,322	781	12,416	628	7,481
Colorado	3,094	624	190	67	1,446	108	659
Connecticut	2,565	417	146	128	1,172	28	673
Delaware	843	115	37	47	332	28	284
District of Columbia	425	60	21	20	196	14	114
Florida	15,742	2,726	788	332	6,963	394	4,534
Georgia	10,294	1,285	472	177	5,342	251	2,765
Guam	252	23	76	51	75	9	18
Hawaii	959	164	72	52	405	68	197
Idaho	1,139	201	59	28	541	69	227
Illinois	9,863	1,437	796	300	4,542	181	2,597
Indiana	5,672	712	338	161	2,610	102	1,746
Iowa	3,013	444	217	59	1,492	58	741
Kansas	2,114	341	173	42	824	67	665
Kentucky	4,780	541	209	124	2,281	73	1,552
Louisiana	4,508	579	249	107	1,828	149	1,595
Maine	1,436	202	113	55	613	39	413
Maryland	3,824	733	223	159	1,601	94	1,013
Massachusetts	5,618	721	371	295	2,548	60	1,614
Michigan	9,818	1,159	516	184	5,104	200	2,652
Minnesota	3,602	665	403	105	1,434	201	792
Mississippi	3,345	352	87	64	1,662	75	1,105
Missouri	5,081	769	232	128	2,362	122	1,458
Montana	807	166	66	19	357	34	165
Nebraska	1,391	224	206	49	526	25	361
Nevada	1,998	330	76	23	990	41	537
New Hampshire	1,059	183	54	17	457	10	338
New Jersey	6,072	932	584	666	2,130	175	1,580
New Mexico	1,691	224	69	43	790	59	506
New York	18,242	2,468	1,863	1,640	7,657	650	3,951

State	Total Number of Authorized Retailers	Number of Authorized Retailers, by Store Type					
		Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Other Type
North Carolina	9,409	1,557	356	237	4,222	245	2,783
North Dakota	581	94	74	23	190	35	164
Ohio	10,310	1,388	551	193	4,820	164	3,190
Oklahoma	3,802	487	146	42	1,815	74	1,227
Oregon	3,579	527	219	79	1,817	200	736
Pennsylvania	10,678	1,570	598	831	4,280	289	3,102
Rhode Island	965	122	90	73	371	14	294
South Carolina	5,256	698	132	85	2,620	128	1,592
South Dakota	796	108	90	32	308	38	219
Tennessee	6,728	862	272	119	3,296	100	2,076
Texas	22,448	2,742	1,090	314	11,890	448	5,956
Utah	1,575	315	102	32	720	73	328
Vermont	681	91	58	29	283	5	215
Virginia	91	22	11	8	35	4	11
Virgin Islands	6,528	1,119	284	145	3,086	99	1,794
Washington	5,213	901	381	182	2,561	264	918
West Virginia	2,233	242	57	50	1,105	35	742
Wisconsin	4,499	717	294	108	2,122	161	1,092
Wyoming	371	72	17	3	181	11	86

Source: Mathematica tabulations of STARS Data, FY 2022. Average monthly statistics.

Table E.2. Number of Authorized Retailers per Square Mile by Store Type and State

State	Authorized Retailers by Land Area	Number of Authorized Retailers per 1,000 Square Miles, by Store Type						Total Square Miles
		Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con- venience	Specialty Food	Other Type	
Total U.S.	75.3	11.0	4.6	2.5	34.5	1.9	20.7	3,532,347
Alabama	99.9	13.7	3.9	2.0	43.6	2.5	34.1	50,645
Alaska	1.0	0.1	0.1	0.1	0.5	0.0	0.2	570,641
Arizona	39.3	6.4	1.6	0.7	16.2	0.8	13.5	113,594
Arkansas	53.5	7.3	2.2	1.1	23.6	1.3	17.8	52,036
California	181.7	30.0	14.9	5.0	79.7	4.0	48.0	155,779
Colorado	29.9	6.0	1.8	0.6	14.0	1.0	6.4	103,642
Connecticut	529.7	86.1	30.2	26.4	242.0	5.8	139.0	4,842
Delaware	432.6	59.0	19.0	24.1	170.4	14.4	145.8	1,949
District of Columbia	2,689.9	379.7	132.9	126.6	1,240.5	88.6	721.5	158
Florida	293.6	50.8	14.7	6.2	129.8	7.3	84.6	53,625
Georgia	179.0	22.3	8.2	3.1	92.9	4.4	48.1	57,514
Guam	1,201.1	109.6	362.2	243.1	357.5	42.9	85.8	210
Hawaii	149.3	25.5	11.2	8.1	63.1	10.6	30.7	6,423
Idaho	13.8	2.4	0.7	0.3	6.5	0.8	2.7	82,643
Illinois	177.7	25.9	14.3	5.4	81.8	3.3	46.8	55,519
Indiana	158.3	19.9	9.4	4.5	72.9	2.8	48.7	35,826
Iowa	53.9	7.9	3.9	1.1	26.7	1.0	13.3	55,857
Kansas	25.9	4.2	2.1	0.5	10.1	0.8	8.1	81,759
Kentucky	121.1	13.7	5.3	3.1	57.8	1.8	39.3	39,486
Louisiana	104.3	13.4	5.8	2.5	42.3	3.4	36.9	43,204
Maine	46.6	6.5	3.7	1.8	19.9	1.3	13.4	30,843
Maryland	393.9	75.5	23.0	16.4	164.9	9.7	104.4	9,707
Massachusetts	720.2	92.4	47.6	37.8	326.7	7.7	206.9	7,800
Michigan	173.7	20.5	9.1	3.3	90.3	3.5	46.9	56,539
Minnesota	45.2	8.4	5.1	1.3	18.0	2.5	9.9	79,627
Mississippi	71.3	7.5	1.9	1.4	35.4	1.6	23.5	46,923
Missouri	73.9	11.2	3.4	1.9	34.4	1.8	21.2	68,742
Montana	5.5	1.1	0.5	0.1	2.5	0.2	1.1	145,546
Nebraska	18.1	2.9	2.7	0.6	6.8	0.3	4.7	76,824
Nevada	18.2	3.0	0.7	0.2	9.0	0.4	4.9	109,781
New Hampshire	118.3	20.4	6.0	1.9	51.0	1.1	37.8	8,953
New Jersey	825.7	126.7	79.4	90.6	289.6	23.8	214.8	7,354

State	Authorized Retailers by Land Area	Number of Authorized Retailers per 1,000 Square Miles, by Store Type						Total Square Miles
		Super-markets/ Super stores	Large/ Medium Grocery	Small Grocery	Con-venience	Specialty Food	Other Type	
New Mexico	13.9	1.8	0.6	0.4	6.5	0.5	4.2	121,298
New York	387.1	52.4	39.5	34.8	162.5	13.8	83.8	47,126
North Carolina	193.5	32.0	7.3	4.9	86.8	5.0	57.2	48,618
North Dakota	8.4	1.4	1.1	0.3	2.8	0.5	2.4	69,001
Ohio	252.3	34.0	13.5	4.7	118.0	4.0	78.1	40,861
Oklahoma	55.4	7.1	2.1	0.6	26.5	1.1	17.9	68,595
Oregon	37.3	5.5	2.3	0.8	18.9	2.1	7.7	95,988
Pennsylvania	238.7	35.1	13.4	18.6	95.7	6.5	69.3	44,743
Rhode Island	933.4	118.0	87.1	70.6	358.9	13.5	284.4	1,034
South Carolina	174.8	23.2	4.4	2.8	87.2	4.3	53.0	30,061
South Dakota	10.5	1.4	1.2	0.4	4.1	0.5	2.9	75,811
Tennessee	163.2	20.9	6.6	2.9	79.9	2.4	50.3	41,235
Texas	85.9	10.5	4.2	1.2	45.5	1.7	22.8	261,232
Utah	19.2	3.8	1.2	0.4	8.8	0.9	4.0	82,170
Vermont	73.9	9.9	6.3	3.1	30.7	0.5	23.3	9,217
Virginia	677.6	163.8	81.9	59.6	260.6	29.8	81.9	134
Virgin Islands	165.3	28.3	7.2	3.7	78.1	2.5	45.4	39,490
Washington	78.4	13.6	5.7	2.7	38.5	4.0	13.8	66,456
West Virginia	92.9	10.1	2.4	2.1	46.0	1.5	30.9	24,038
Wisconsin	83.1	13.2	5.4	2.0	39.2	3.0	20.2	54,158
Wyoming	3.8	0.7	0.2	0.0	1.9	0.1	0.9	97,093

Source: Mathematica tabulations of STARS Data, FY 2022. Average monthly statistics. Table displays the number of authorized retailers per 1,000 square miles of land area.

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