



United States Department of Agriculture

*The Evaluation of Food Insecurity
Nutrition Incentives (FINI)*

*Appendixes I through L: Technical
Approach and Supplemental Tables*

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Appendix I

Technical Methods

Appendix I: Technical Methods

I.1 SNAP Participant Survey Sample

I.1.1 Sample Frame Construction

The outcome evaluation examined two primary outcomes—the impact of FINI on fruit and vegetable (1) expenditures per month (household level) and (2) daily cup equivalents of consumption (individual level). To examine the impact of FINI on these outcomes, the evaluation collected survey data from SNAP participants in three treatment study groups with matched comparison groups. The unit of analysis for the sample frame was the SNAP participant household. The study groups included: (1) SNAP participants living near a sampled farmers market offering FINI (Farmers Market General – FMG); (2) SNAP participants, living near a sampled farmers market offering FINI, who had shopped there within the last year (Farmers Market Shoppers – FMS); and (3) SNAP participants living near a sampled grocery store offering FINI (Grocery Store General – GSG). SNAP participants were sampled independently for each group. A fourth study group, the Grocery Store Shoppers (GSS) was constructed as a subgroup of the Grocery Store General (GRG) group.

Identification of Treatment and Comparison Retailers

Eligible treatment retailers included farmers markets and grocery stores offering incentives in quarters 2 and/or 3 of 2017.¹ FINI retailers that offered incentives at baseline (quarter 1 of 2017) were ineligible for the study, to avoid contamination of treatment effects. To avoid contamination in the comparison group, comparison retailers located near any FINI retailers² were ineligible and therefore not included. The distance criteria for selection of the comparison group retailers were as follows:

- An urban comparison retailer should be 14 miles away from any urban FINI treatment retailers and 23 miles away from any rural FINI treatment retailers;

¹ These are calendar year quarters; quarter 2 spans from April to June and quarter 3 spans from July to September.

² FINI pilot retailer locations were unknown, so it is possible that the sampling did not drop some of these retail locations from the frame.

- A rural comparison retailer should be 23 miles away from any urban FINI treatment retailers and 32 miles away from any rural FINI treatment retailers.

Comparison group farmers markets with known SNAP-Based Incentive Programs (SBIPs) were excluded from the sample frame. Markets that implemented SBIPs were identified by checking farmers market websites and calling market managers when websites did not clearly identify them as offering incentives to SNAP participants. Using these criteria, the farmers market sampling frame included 456 treatment group retailers and 163 comparison group retailers.

At the time of this evaluation, grocery stores did not offer SBIPs and therefore followup to verify their SBIP status was not necessary. The grocery store sampling frame included 90 treatment group retailers and 2,611 comparison group retailers. The size of the eligible grocery stores in the comparison group was reduced by randomly selecting a subset of 180 grocery stores in the frame (twice the size of the treatment group) based on their store type (e.g., super store, large grocery store, medium grocery store) and urbanicity.

Development of the Sampling Frame of SNAP Households

Catchment areas around eligible FINI retailers were constructed to develop a sampling frame of eligible SNAP participants. For an urban retailer, the catchment was the 7-mile radius around the retailer; for a rural retailer, the catchment area was the 16-mile radius around the retailer. The radiuses were determined based on the 75th percentiles of the distance measure between household and FINI retailers (see Table I-1).

Table I-1. Distances to FINI retailers, by urban/rural status, retailer type, and shopper status

Household type	FNS urbanicity	Mean distance	Median distance	75th percentile
FM Shopper	Rural	12.79	5.08	10.12
	Urban	6.49	2.45	6.79
FM Non-Shopper	Rural	10.65	10.07	15.77
	Urban	5.31	3.27	8.20
GSG Shopper	Rural	19.22	10.31	15.80
	Urban	6.85	3.19	6.35
GSG Non-Shopper	Rural	12.89	13.60	16.96
	Urban	7.24	5.37	11.71

After establishing the catchment areas, a frame of SNAP households living in the catchment areas of the sampled treatment and comparison retailers was constructed. First, two treatment study groups, FMG-T and GSG-T (see Table I-1), were formed. Each table had two subgroups: shoppers and

non-shoppers (i.e., SNAP participants who shopped or did not shop at the sampled treatment or comparison group retailer in their catchment area using their EBT card within the last year). The sampling frames of shoppers and non-shoppers were constructed separately, as follows:

1. Farmers Market Shopper – Treatment (FMS-T)
 - A. Shopper households living within farmers market treatment retailer catchment areas: 7 miles urban; 16 miles rural.
 - B. In overlapping catchment areas, the procedures assigned a shopper who shops at multiple farmers market treatment retailers to the closest retailer, but randomly assigned them to one retailer if the distance was equal.
2. Farmers Market Non-Shopper – Treatment (FMNS-T)
 - A. Non-shopper households living within farmers market treatment retailer catchment areas: 7 miles urban; 16 miles rural.
 - B. In overlapping catchment areas, the procedures assigned a non-shopper to the closest farmers market treatment retailer, but randomly assigned them to one retailer if the distance was equal.
3. Grocery Store General Shopper – Treatment (GSG-T)
 - A. Shopper households living within grocery store treatment retailer catchment areas: 7 miles urban; 16 miles rural.
 - B. In overlapping catchment areas, the procedures assigned a shopper who shops at multiple grocery store treatment retailers to the closest grocery store treatment retailer, but randomly assigned them to one retailer if the distance was equal.
4. Grocery Store General Non-Shopper – Treatment (GSGNS-T)
 - A. Non-shopper households living within grocery store treatment retailer catchment areas: 7 miles urban; 16 miles rural.
 - B. In overlapping catchment areas, the procedures assigned a non-shopper to the closest grocery store treatment retailer, but randomly assigned them to one retailer if the distance was equal.

These four sampling frames were not mutually exclusive. The following de-duplication procedures were used:

1. Removed FMS from FMNS-T, GSG-T, and GSGNS-T – this meant that FMS were given the highest priority because they were the most scarce;
2. Removed grocery store shoppers from FMNS-T and GSGNS-T – shoppers were prioritized over non-shoppers because they were less common;

3. Removed grocery store non-shoppers from FMNS-T – grocery store non-shoppers were less common than farmers market non-shoppers.

Following de-duplication, three treatment group samples were constructed: (1) Farmers Market General – Treatment (FMG-T) (combined farmers market shoppers and non-shoppers by their relative proportions in the population); Farmers Market Shopper – Treatment (FMS-T) (included farmers market shoppers only);³ and Grocery Store General – Treatment (GSG-T) (combined grocery store shoppers and non-shoppers by their relative proportions in the population).

Next, three comparison group samples were formed that corresponded to each of the three treatment groups. The selection of corresponding comparison groups followed the similar procedures to the treatment groups, but defined catchment areas using comparison group retailers instead of treatment retailers:

1. Farmers Market Shopper – Comparison (FMS-C)
 - A. Shopper households living within farmers market comparison retailer catchment areas: 7 miles urban; 16 miles rural.
 - B. In overlapping catchment areas, the procedures assigned a shopper who shops at multiple comparison farmers market retailers to the closest comparison farmers market retailer, but randomly assigned them to one retailer if the distance was equal.
2. Farmers Market Non-Shopper – Comparison (FMNS-C)
 - A. Non-shopper households living within farmers market comparison retailer catchment areas: 7 miles urban; 16 miles rural.
 - B. In overlapping catchment areas, the procedures assigned a non-shopper to the closest comparison farmers market retailer, but randomly assigned them to one retailer if the distance was equal.

³ FMS were identified separately for several reasons. First, most FINI retailers were farmers markets and therefore it was most critical to examine the impact of FINI at farmers markets. Second, a relatively small proportion of SNAP participants in the frame shopped at farmers markets—about 1 percent; to include this group in relative proportion to their share in the general SNAP population would require a very large sample. Examining them separately allowed for a more modest sample size. Finally, examining this group alone allowed the evaluation to determine the extent to which FINI had a positive impact on fruit and vegetable purchase and consumption among those most likely exposed to incentives.

3. Grocery Store General Shopper – Comparison (GSG-C)
 - A. Shopper households living within grocery store comparison retailer catchment areas: 7 miles urban; 16 miles rural.
 - B. In overlapping catchment areas, the procedures assigned a shopper who shops at multiple comparison grocery store retailers to the closest comparison grocery store retailer, but randomly assigned them to one retailer if the distance was equal.
4. Grocery Store General Non-Shopper – Comparison (GSGNS-C)
 - A. Non-shopper households living within grocery store comparison retailer catchment areas: 7 miles urban; 16 miles rural.
 - B. In overlapping catchment areas, the procedures assigned a non-shopper to the closest comparison grocery store retailer, but randomly assigned them to one retailer if the distance was equal.

These four sampling frames were not mutually exclusive. The comparison groups were de-duplicated following the same procedures used for the treatment group (i.e., the same procedure described above for the treatment group samples was applied to the comparison group samples):

1. Removed FMS from FMNS-C, GSG-C, and GSGNS-C – this meant that FMS were given the highest priority because they were the most scarce;
2. Removed GSS from FMNS-C and GSGNS-C – shoppers were prioritized over non-shoppers because they were less common;
3. Removed grocery store non-shoppers from FMNS-C – grocery store non-shoppers were less common than farmers market non-shoppers.

SNAP participants in each group were sampled independently. As a result, there was some overlap in sampling SNAP participants; eight SNAP participants appeared in both the FMG and the FMS sampling frames because the FMG group includes both shoppers and non-shoppers. Only one survey was sent to the eight SNAP participants that appeared in both the FMG as well as the FMS sampling frames. Of the eight SNAP participants appearing in both the FMG and the FMS sample frames, only one responded to the survey; the responses from this participant was used in the analyses for both the FMS and the FMG study groups. Table I-2 displays the counts of retailers and households eligible for selection into the study by shopper status.

Table I-2. Count of retailers and households in sampling frame, by study group and shopper status

Retailer / HH type	Total	
	Retailers	SNAP households
Farmers Market – Treatment	453	1,746,913
Shoppers	-	19,437
Non-shoppers	-	1,727,476
Farmers Market – Comparison	162	725,315
Shoppers	-	1,750
Non-shoppers	-	723,565
Grocery Store – Treatment	90	373,202
Shoppers	-	178,173
Non-shoppers	-	195,029
Grocery Store – Comparison	180	93,451
Shoppers	-	50,412
Non-shoppers	-	43,039

I.1.2 Sample Size Targets

The variation in the consumption of targeted fruits and vegetables was used to determine study group sample sizes. For FINI project grants, the U.S. Department of Agriculture (USDA) defined “fruits and vegetables” as “any variety of fresh, canned, dried, or frozen whole or cut fruits and vegetables without added sugars, fats, or oils, and salt (i.e., sodium).” This definition was broadly consistent with the definition of “targeted fruits and vegetables” used in the Healthy Incentive Pilot (HIP) study (Bartlett et al., 2014); therefore, we used the same definition as the HIP study to set sample size targets for this study.

The results from the HIP study indicated that the underlying variation in the consumption of targeted fruits and vegetables was relatively low⁴ compared with a more inclusive definition of fruits and vegetables that included, for example, white potatoes, fruit juices, and dried legumes. Thus, the analysis could detect relatively small differences in targeted fruit and vegetable consumption with statistical reliability within the relatively small samples of respondents planned for this study.

Survey sample sizes were set to detect an impact of FINI on consumption of daily cup equivalents of fruits and vegetables of at least 0.25 cups—the impact detected by the HIP study. To achieve this, the targeted sample size for each study treatment and comparison group was 385. Eligibility rates for both the baseline and followup surveys were assumed to be 70 percent and 80 percent for the

⁴ Assuming a standard deviation (STD) of 1.3 based on tabulations of National Health and Nutrition Examination Survey data.

response rate, respectively. Expecting that bad addresses would result in the loss of approximately 10 percent of the sampled households, the sample size was increased by an additional 10 percent (see Table I-3).

Table I-3. Sample sizes for the study groups, accounting for eligibility, response rate, and loss to followup

Study group	Sample size
FMG-T	1,300
FMG-C	1,300
FMS-T	800
FMS-C	800
GSG-T	1,700
GSG-C	1,700
Total	7,600

I.1.3 Matching and Sampling SNAP Participants for the Treatment and Comparison Groups

Propensity score modeling was used to create matched comparison groups for all three treatment group samples using the Toolkit for Weighting and Analysis of Nonequivalent Groups (TWANG) package, which calculated the propensity score (PS).⁵ Household-level matching occurred for all three groups. In addition, for the GSG group, a prior matching step was used that first matched FINI retailers to potential comparison retailers and then, from those well matched, matched treatment households to comparison households.

The steps for selecting SNAP participants for the FMG and GSG treatment and comparison groups were as follows:

1. Combined the FMG-T and FMG-C files and the GSG-T and GSG-C files and selected simple random samples of 100,000 households from each of the combined files. These samples will be referred to as the FMG-PS and the GSG-PS sample.
2. Ran the PS model predicting treatment group status for the FMG-PS and the GSG-PS samples using the TWANG package with the variables listed in Table I-4.

⁵ The PS is the probability of treatment assignment conditional on observed baseline characteristics. The score is useful to design and analyze nonrandomized studies, and is used to ensure that the distribution of observed baseline covariates will be similar between treatment and comparison groups. The TWANG is a software package developed by the RAND Corporation to use the propensity score method in observational studies. It uses the generalized boosted model (GBM) technique

3. Selected systematic samples of a pre-determined size (see Table I-3) for the treatment group from the FMG-PS and GSG-PS files derived from the TWANG package run.
4. Identified the matched sample from the comparison group using the MatchIt package.⁶

The procedures used to select SNAP participants in the treatment and comparison groups for the FMS study group were nearly the same as the other two study groups, with two differences. First, the universe of eligible SNAP households in the FMS study group was smaller than the other two groups, so the procedures used all SNAP households in the PS model and not a sample. Second, because the number of SNAP households in the comparison group was much smaller than that in the treatment group, the propensity score model was set up to predict comparison group status instead of treatment group status. The GSS group was simply a subset of the GSG sample, meaning that no separate sample selection and matching procedures were performed to form the GSS group.

Table I-4. Propensity score model variables

Variable name	Variable name
Household is in an urban area	Monthly SNAP benefit amount
Distance between SNAP household and sampled retailer	Population density ^a
Age of the head of household	% Households <150% FPL ^a
Number of children in the household	% Female-headed households ^a
Household size	Education index ^a
Household gross income	% Non-English speakers ^a
Marital status of household head	% Households receiving SNAP ^a
Household race/ethnicity	Shopped at sampled retailer in the prior year
Annual EBT redemptions at the sampled retailer	% Car ownership ^{a,b}
Months on SNAP	% Foreign born ^{a,b}
Average monthly SNAP benefit amount	Urbanicity

Sources: American Community Survey, 2010-2014; 2010 Census, State SNAP caseload files; ALERT System.

^a Data at the Census-tract level.

^b Only used in the GSG study group propensity score model.

Table I-5 displays the results of analyses assessing the balance of the means of selected characteristics after the propensity score model runs for the three main study groups. The standardized mean difference (SMD)⁷ assesses balance. The cutoff value is ± 0.25 ; a value greater than 0.25 or less than -0.25 indicates unbalance; a value within the range of -0.25 and 0.25 indicates that the balance is acceptable (Stuart et al. 2013; Garrido et al. 2014).

⁶ Documentation available at: <http://r.iq.harvard.edu/docs/matchit/2.4-20/matchit.pdf>.

⁷ The SMD is the mean difference between the treatment and comparison groups divided by the pooled standard deviation of the treatment and comparison groups.

Overall, balance was generally acceptable across the three study groups, with the best balance achieved for the FMG study group. For the FMG study group, only 1 variable out of 19, population density in the Census tract, had an SMD greater than 0.25. The FMS group had acceptable balance for most characteristics—with 16 balanced variables out of 19. Unbalanced characteristics included race of the household head, population density in the Census tract, and percent female-headed households in the Census tract. Finally, balance was acceptable for slightly more than half—12 out of 21 characteristics—of the characteristics examined in the GSG study group. More characteristics were unbalanced for this group because the treatment group retailers were located in more urbanized areas than the comparison group retailers. Note that these results are for the sample fielded, not for the actual households who responded to the baseline and followup surveys. Appendix L describes the final balance testing and results.

Table I-5. Propensity model balance statistics, by study group

Characteristic	Farmers market general			Farmers market shopper			Grocery store general		
	T	C	STD effect size	T	C	STD effect size	T	C	STD effect size
	STD mean	STD mean		STD mean	STD mean		STD mean		
Urbanicity, household									
Rural	0.24	0.26	-0.06	0.25	0.22	0.06	0.22	0.32	-0.33 ^c
Urban town	0.34	0.39	0.13	0.42	0.37	-0.16	0.28	0.39	0.37 ^c
Urban city	0.26	0.31	-0.13	0.37	0.32	0.14	0.20	0.26	-0.17
Distance between SNAP HH and retailer	2.60	2.92	-0.17	1.87	1.86	-0.12	2.16	2.04	0.25 ^c
Age of the head of household	16.96	16.64	0.08	15.20	16.23	-0.10	15.83	16.73	-0.13
Number of children in the household	1.20	1.27	-0.09	1.40	1.33	0.04	1.34	1.23	0.10
Household size	1.33	1.43	-0.09	1.66	1.52	0.08	1.47	1.43	0.04
Household gross income	673.61	725.16	0.01	705.59	681.50	-0.16	695.47	693.22	-0.18
Household gross income, missing	0.12	0.11	0.02	0.06	0.07	-0.04	0.00	0.10	.
Marital status									
Unknown	0.38	0.35	0.08	0.47	0.48	-0.11	0.49	0.35	0.49 ^c
Not married	0.48	0.47	-0.06	0.50	0.50	0.05	0.50	0.47	-0.39 ^c
Married	0.39	0.39	0.00	0.40	0.38	0.07	0.34	0.38	-0.14
Ethnicity									
Hispanic	0.36	0.34	0.05	0.23	0.24	-0.01	0.22	0.28	-0.19
Non-Hispanic	0.50	0.50	-0.04	0.50	0.48	-0.21	0.31	0.30	-0.03
Unknown	0.47	0.47	0.00	0.49	0.46	0.22	0.24	0.11	0.21
Race									
American Indian	0.10	0.11	-0.02	0.14	0.10	0.07	0.08	0.09	-0.01
Asian	0.17	0.17	0.00	0.22	0.19	0.06	0.12	0.12	0.01
Pacific Islander	0.00	0.03	-	0.03	0.00	0.03	-	-	-
Black	0.45	0.44	0.04	0.29	0.41	-0.44 ^c	0.50	0.44	0.41 ^c
Other	0.18	0.16	0.04	0.12	0.12	0.00	0.11	0.20	-0.26 ^c
Unknown	0.33	0.32	0.03	0.29	0.30	-0.03 ^c	0.22	0.14	0.15
White	0.50	0.50	-0.06	0.44	0.49	0.25 ^c	0.50	0.47	-0.42 ^c
# SNAP transactions at the sampled retailer	0.46	0.13	0.06	3.03	3.64	-0.10	13.24	15.88	-0.12
Average monthly SNAP benefit amount	178.18	184.04	-0.01	199.87	196.02	0.10	197.20	181.49	0.06
Months on SNAP	36.93	39.33	-0.01	40.41	39.81	-0.20	32.85	39.08	0.09
Months on SNAP, missing	0.04	0.00	0.04	0.00	0.01	.	0.02	0.00	0.02
Population density ^a	9,841.10	5,418.49	0.34 ^c	3,889.82	9,075.62	-0.40 ^c	2,849.32	3,831.31	0.19
% of households <150% FPL ^a	17.94	18.32	0.06	15.79	17.42	-0.13	18.93	17.54	0.45 ^c
% of households <150% FPL, missing ^a	0.01	0.00	0.01	0.00	0.01	-	0.03	0.02	0.01
% Female-headed households ^a	10.91	9.81	0.15	7.16	10.32	-0.29 ^c	11.05	9.81	0.42 ^c
% Female-headed households, ^a missing	0.01	0.02	-0.01	0.00	0.01	-	0.03	0.02	0.02
Education index ^a	92.65	88.91	-0.01	82.61	93.62	0.06	82.91	72.12	-0.05

Table I-5. Propensity model balance statistics, by study group (continued)

Characteristic	Farmers market general			Farmers market shopper			Grocery store general		
	T	C	STD effect size	T	C	STD effect size	T	C	STD effect size
	STD mean	STD mean		STD mean	STD mean		STD mean	STD mean	
Education index, missing ^a	0.01	0.00	0.01	0.00	0.01	-	0.03	0.02	0.01
% Non-English speakers ^a	2.93	2.74	0.08	1.98	2.45	-0.06	1.60	1.44	0.06
% Non-English speakers, missing ^a	0.01	0.00	0.01	0.00	0.01	-	0.03	0.02	0.01
% Households receiving SNAP ^a	15.75	15.22	0.15	14.12	15.55	-0.18	16.99	15.45	0.47 ^c
% Households receiving SNAP, missing ^a	0.01	0.02	-0.01	0.00	0.01	-	0.03	0.02	0.02
Shopped at sampled retailer in the prior year	0.10	0.06	0.09	0.00	0.00	0.00	0.50	0.49	-0.27 ^c
% Car ownership ^{a,b}	-	-	-	-	-	-	12.50	13.41	-0.05
% Car ownership, missing ^{a,b}	-	-	-	-	-	-	0.03	0.02	0.02
% Foreign born ^{a,b}	-	-	-	-	-	-	10.01	7.81	0.09
% Foreign born, missing ^{a,b}	-	-	-	-	-	-	0.03	0.02	0.01

Sources: American Community Survey, 2010-2014; 2010 Census, State SNAP caseload data.

Notes: STD=Standardized Mean.

^a Data at the Census-tract level.

^b Only used in the GSG study group propensity score model.

^c SMD>0.25 (see Stuart et al., 2013; Garrido et al., 2014).

PS matching should result in treatment and comparison groups with similar PSs (i.e., similar probabilities of treatment assignment). Therefore, the matched treatment and comparison group samples should have similar propensity score distributions after matching based on PS. Table I-6 presents the comparison of the means and STDs of the PSs. The Kolmogorov-Smirnov test statistic was calculated for the three study groups, which tests whether the PS distributions were identical between treatment and comparison groups. The test results for all three study groups were significant, meaning that the distribution was significantly different between the treatment and comparison groups. Although the PS matching procedures maximized the similarity between the treatment and comparison groups in terms of likelihood of treatment assignment to the extent possible, there could be some remaining dissimilarities of the PSs in the matched samples for these study groups. The influence of these potential dissimilarities on the outcome analysis were reduced to the extent possible through rebalancing (see section I.3.3), weighting, and multivariate regression.

Table I-6. Means and standard deviations of the propensity scores between matched main samples

Study group	Sample size	Treatment				Comparison			
		Mean	STD	Min	Max	Mean	STD	Min	Max
FMG	1,430	0.759	0.149	0.286	0.985	0.753	0.142	0.286	0.973
FMS	880	0.175	0.129	0.032	0.809	0.159	0.097	0.032	0.655
GSG	1,870	0.887	0.129	0.083	0.992	0.843	0.110	0.083	0.970

STD=Standardized Mean.

In anticipation that the actual response rates for the SNAP Participant Survey could be lower than the assumed eligibility and response rates, a reserve sample equal to 30 percent of the main sample was selected. The sampling procedure for the reserve sample was the same as for the main sample. Following the same approach taken for the main sample, the means and STDs of the PSs for the treatment and comparison groups of the reserve sample were compared (see Table I-7). The Kolmogorov-Smirnov test was also calculated for the reserve samples, and the test results for all three study groups were significant. Again, the impact of these potential dissimilarities on the outcome analysis was reduced to the extent possible, through rebalancing (see section I.3.3), weighting, and multivariate regression.

Table I-7. Means and standard deviations of the propensity scores between matched reserve samples

Study group	Sample size	Treatment				Comparison			
		Mean	STD	Min	Max	Mean	STD	Min	Max
FMG	390	0.758	0.149	0.289	0.976	0.744	0.133	0.289	0.900
FMS	240	0.140	0.061	0.033	0.234	0.174	0.128	0.033	0.729
GSG	510	0.789	0.142	0.289	0.976	0.680	0.110	0.289	0.856

STD=Standardized Mean.

I.2 SNAP Participant Survey Data Collection

The data collection for the SNAP Participant Survey was multimodal. The sequence of contacts with SNAP participants in all study groups was as follows:

1. **Web Invitation Mailing.** Using the mailing address contained in the State SNAP caseload files, an invitation letter was mailed that explained the study and invited the sampled household to complete the survey. The letter included a URL and a PIN to access the web survey. In addition, the letter included a \$2 cash pre-incentive.
2. **Postcard Reminder.** One week after the initial mailing, a postcard was mailed to all sampled households, reminding them to complete the survey.
3. **First Paper Survey Mailing.** Three weeks after the mailing of the web invitation mailing, a paper survey containing a pre-paid return envelope was mailed to nonresponders.
4. **Postcard Reminder.** One week after the mailing, a postcard was mailed to nonresponding households, reminding them to complete the survey.
5. **Second Survey Mailing.** One week after the postcard reminder, a second survey and a postage-paid return envelope were mailed.
6. **Telephone Call.** Two weeks after the second survey mailing, nonresponding households were called using phone numbers provided in State SNAP caseload files. The survey was conducted over the phone with those agreeing to participate.
7. **Mailed Thank You Letters.** Those who completed the survey received a \$20 cash incentive with a letter to thank them for their participation.

I.3 SNAP Participant Survey Weighting

Survey weights were developed to account for survey nonresponse and to rebalance the treatment and comparison groups. This section describes the procedures used to develop the survey weights.

I.3.1 Survey Response Rates

Table I-8 displays the response rates⁸ to the SNAP participant baseline and followup surveys by study group. The response rate for the baseline survey was 63.3 percent, of which 69.2 percent responded to the followup survey, resulting in the overall response rate for the followup survey of 43.8 percent.

Table I-8. SNAP Participant Survey: baseline and followup survey response rates

Study group	Baseline		Followup	
	n	Response rate	n	Response rate
FMG				
Treatment	1,820	0.628	1,820	0.417
Comparison	1,820	0.593	1,820	0.395
FMS				
Treatment	1,120	0.701	1,120	0.542
Comparison	1,120	0.714	1,120	0.518
GSG				
Treatment	2,380	0.571	2,380	0.387
Comparison	2,380	0.646	2,380	0.440
Total	10,640	0.633	10,640	0.438

I.3.2 Nonresponse Adjustment

The PS method⁹ was used to perform nonresponse adjustments for each of the study groups. The method consisted of two steps. In the first step, models assessed the probability of being a respondent. The covariates used in the PS models to estimate nonresponse-adjusted weights were the same as those used for the models to select the sample (see Table I-9). The inverse of the estimated PS was the nonresponse-adjusted weight. Nonresponse-adjusted weights were developed for those who responded to both the baseline and followup surveys.

In the second step, the eligibility of the survey respondents was assessed using their responses to survey questions about their participation in the SNAP program and whether they moved from the original sampled household addresses. If a respondent moved and their new address was not in the same catchment area, the participant was deemed ineligible. Respondents who were no longer participating in SNAP were also ineligible. Among the sampled households, 202 were removed

⁸ The response rate is defined among eligible units and computed by dividing the number of (eligible) responses by the sum of eligible responses and nonresponses.

⁹ Used the TWANG package.

because they moved out of the catchment area, and 294 were removed because they were no longer participating in SNAP either at baseline or at followup.

The nonresponse adjustment was completed by multiplying the nonresponse adjusted weight calculated in the first step by the inverse of the overall response rate computed in the second step within each study group. This rate was generally close to one, which justified the use of one flat rate adjustment within each study group.

One of the key outcome variables—monthly expenditures for fruits and vegetables—had a high missing rate: 32 to 40 percent of respondents did not respond to this question, by study group. A nonresponse adjustment was developed for that variable alone. The methodology used to develop the weight was the same as described above.

I.3.3 Rebalancing Treatment and Comparison Groups

The last step in developing the survey weights was to estimate PSs for the treatment status for the respondent samples. The purpose of this was to rebalance the treatment and comparison groups for the SNAP participants who responded to the baseline and followup surveys within the three study groups (FMG, FMS, and GSG). In this process, baseline demographic variables were added to the list of sampling frame variables used in the propensity score model for sampling (see Table I-4).

The estimated PS to calculate the balancing weight was estimated as follows:

$$\text{PS Weight} = \begin{cases} \frac{1}{e} & \text{for treatment group} \\ \frac{1}{1-e} & \text{for comparison group} \end{cases}$$

where e is the estimated PS. The final weight is then obtained by the multiple of the overall nonresponse adjusted sampling weight and the PS weight.

$$\text{Final Weight} = \text{Sampling Weight} \times \text{PS Weight}$$

Table I-9 shows the distribution of the final weight in terms of its means, STD, percentiles, and coefficient of variation (CV) by study groups.

Table I-9. Distribution of the final weight by study group

Study group	Sample size	Mean	Min	10th pctl	25th pctl	50th pctl	75th pctl	90th pctl	Max	STD	CV
FMG-T	421	4.43	2.00	2.75	3.24	3.98	5.05	6.69	12.10	1.75	39.42
FMG-C	412	4.53	1.82	2.95	3.32	4.08	5.22	6.66	16.28	1.80	39.75
FMS-T	347	3.31	1.60	2.18	2.51	3.06	3.89	4.76	8.30	1.14	34.27
FMS-C	356	3.26	1.70	2.20	2.57	3.12	3.63	4.44	9.68	1.04	31.89
GSG-T	385	4.75	1.80	2.54	3.03	3.84	5.49	7.42	26.57	2.88	60.57
GSG-C	550	3.70	2.00	2.69	3.02	3.42	4.08	4.95	11.35	1.11	29.99

Pctl = Percentile.

Std Dev = Standard deviation.

CV = Coefficient of variation.

Jackknife replicate weights were developed for variance estimation, using the same replicate structure for the final weight for all analysis variables. Appendix L discusses the nonresponse bias analyses with final balance statistics and presents the results.

I.4 Power Analysis

The sample sizes for the SNAP Participant Survey were set to achieve a certain precision in terms of the minimum detectable difference (MDD) of the treatment effect of the FINI program. The aim was to detect an impact of at least 0.25 daily fruit and vegetable cup equivalents. The following is an assessment of the extent to which the actual sample sizes met the original goals for the MDD target.

The main tool used to conduct the power analysis was the design effect (DEFF), which measured the effect of the FINI outcome evaluation sample design in comparison with a simple random sample (SRS) with the same sample size. The DEFF measured the ratio of the variance of the sample obtained from the complex sample design to the variance of the SRS. The DEFF is the product of two components: (1) a factor for the clustering effect, and (2) a factor for unequal weighting effect. These factors are usually greater than 1, indicating the loss of some power by using a complex sample design. For the FINI evaluation sample, there was no clustering; however, there was an unequal weighting effect.

The following formula estimates the weighting factor in the DEFF:

$$D = 1 + C_w^2$$

where C_w is the CV of the weight, which is defined by the standard deviation of the weight divided by the mean of the weight – its square (C_w^2) used in the formula is sometimes called the relative variance.

The DEFF is a measure of the loss of power in the sample size, denoted by n , and thus, the effective sample size, denoted by n_e , which is equivalent to the sample size in SRS, is:

$$n_e = \frac{n}{D}$$

The FINI outcome evaluation sample design assumed a DEFF of 1.1, used as the basis to calculate the target respondent sample size of 385 for each study group, aiming for an effective sample size of 350 for the followup survey.

Using these formulas, the DEFF and the effective sample sizes were calculated, and Table I-10 displays the results. Table I-10 also includes the expected variance of proportion estimate for a population proportion of 50 percent corresponding to an appropriate effective sample size. The expected variance for the effective sample size in the sample design was compared to the realized sample size for each of three study groups.

Four of the six study groups achieved an effective sample size of 350; two groups did not—FMS-C and GSG-T. However, the effective sample sizes in the treatment group (for FMS) and in the comparison group (for GSG) made up for the losses, and the overall variances to estimate the treatment effects turned out to be comparable with that expected from the plan.

Table I-10. Assumed and realized sample sizes, estimated DEFFs and variance comparisons

Main study group	Treatment status	Realized sample size	Design effect	Effective sample size	Target effective sample size	Ratio of the effective sample sizes	Assumed variance for P=0.5	Assumed study group total variance	Realized variance for P=0.5	Realized study group total variance	Variance ratio
FMG	T	421	1.16	364	350	1.041	0.000714		0.000686		
	C	412	1.16	356	350	1.017	0.000714	0.001429	0.000703	0.001389	1.029
FMS	T	421	1.12	377	350	1.076	0.000714		0.000664		
	C	356	1.10	323	350	0.923	0.000714	0.001429	0.000774	0.001437	0.994
GSG	T	385	1.37	282	350	0.805	0.000714		0.000888		
	C	550	1.09	505	350	1.442	0.000714	0.001429	0.000495	0.001383	1.033

I.5 Data Edits

I.5.1 Defining the Analytic Sample

To create the analytic dataset used in both the descriptive and regression analyses, the SNAP Participant Survey responses from both the baseline and followup surveys were combined. The analytic dataset was cleaned and variables were recoded to be internally consistent. For example, the survey asked respondents in the treatment group how they heard about <local name for FINI>.¹⁰ One answer choice was an open-ended text field. Some respondents used the open-ended text field and their response was that they had “never heard of <local name for FINI>.” For participants who entered “never heard of FINI” in the open-ended response to the question “have you heard of <local name for FINI>”, their response was recoded to “No”. To resolve issues of small cell sizes and in some cases to prevent issues of perfect collinearity and perfect prediction in the regression analyses, the some categorical variables were collapsed. The final section of the survey asked respondents about relevant demographic and socio-economic information. Item nonresponse was relatively low for the demographic characteristics and missing responses were imputed (Section I.4.3 presents the imputation methods).

After cleaning and recoding the dataset, eligibility criteria were developed to determine which respondents would be included in the final analytic dataset and analyses. Cases were removed from the analysis for the following reasons:

1. Failure to complete a followup survey: 1,578 respondents only completed the baseline survey.
2. SNAP non-participants: 294 respondents did not participate in SNAP at both baseline and followup.
3. Partially complete surveys: 55 respondents did not fully complete both the baseline and followup surveys. For the web survey, we counted a survey as complete if the respondent made it through the last screen of the survey, and a partially complete survey completed all sections prior to Section E (the demographics section) of the survey. All paper surveys returned with at least one question completed were considered complete. Partially complete surveys were removed from the analysis.

¹⁰ The survey question was customized to reflect the local name for FINI; e.g., How did you hear about Double Up Food Bucks?

4. Moved out of the catchment area: 202 respondents moved out of their sampling catchment areas in either the baseline or followup periods.
5. Respondents sampled for FINI retailers that delayed FINI implementation: 255 treatment group respondents lived in neighborhoods with a retailer that was scheduled to offer incentives; 55 retailers (across seven grantees) that planned to offer incentives did not actually do so.

I.5.2 Data Cleaning

The following edits were applied to the data:

1. Missing data edits: on-path items were set to missing (.) if the respondent did not answer them (on path but skipped).
2. Off path data edits: Any data items that respondents answered that were off path due to previous answers being set to “-1” (indicating “Valid skip”).
3. Small cell sizes: To protect respondents’ privacy, items with response categories having frequencies of $n \leq 5$ were collapsed with other categories.
4. Inapplicable cells: Blank or missing data for legitimately inapplicable cells (i.e., off path items) were set to “-1” (indicating “Valid skip”).
5. Up-coding of open-ended responses: Several items included an “Other” category, followed by a text box to record an open-ended response. Open-ended responses that were an exact match for an existing category besides “Other” were recoded to the existing category. Responses that did not fit an existing category remained in the “Other” category. Certain responses indicated a misunderstanding of the question or of a previous question (for example, responses such as “have not heard of it” to the question “E10. How did you hear about <FINI>? SELECT ALL THAT APPLY” required a change to the previous question, “E9. Have you heard of FINI?”).
6. Handling of outliers, outcome variables: Monthly expenditures on fruits and vegetables and daily fruit and vegetable consumption were recoded to missing if they exceeded three times the interquartile range as was done in Millen et al. (2005).
7. Handling of outliers, demographic variables: Continuous variables were set to missing if they exceeded the 95th or the 99th percentile, depending on the distribution of the data and responses to related items. For example, monthly income was set to missing above the 95th percentile (132 cases recoded to missing).

I.5.3 Imputation of Demographic Characteristics

Westat proprietary imputation software, AutoImpute, was used to impute missing demographic values in the SNAP Participant Survey, section E (demographic characteristics) for the combined

dataset of the respondent households in both the baseline and followup surveys. The software used the general linear model (GLM) regression technique to estimate the relationship between the variable to impute and all other variables involved in imputation as predictors of the missing value. Any auxiliary variables not needed for imputation were predictors. This capability of using the survey variables as predictors helped to maintain the relationship structures among survey variables in the imputed data. The method was especially powerful in the imputation of missing values in a longitudinal dataset because observed values for the same variables at two different time points were highly correlated, which the imputation reflects. AutoImpute used hot-deck imputation, which replaced missing values from randomly selected existing values in the data instead of using the predicted values directly. The software package maintained the skip patterns in the imputed data.

The dataset had 2,471 survey records of the households that completed both surveys. Table I-11 presents the number of cases imputed and the percentage imputed out of 2,471 cases. The imputation rate was low for most of variables, but there were some variables with an imputation rate over 10 percent, including questions about household composition and monthly income (on the followup survey).

Table I-11. Imputation rate for demographic characteristics, baseline and followup survey responses

Characteristic	Count of imputed values	% of imputed values	Count of imputed values	% of imputed values
	Baseline Survey		Followup Survey	
Gender	17	0.69	17	0.69
Marital status	26	1.05	30	1.21
Age	16	0.65	26	1.05
Ethnicity	208	8.42	180	7.28
Born outside the U.S.	26	1.05	37	1.50
Length living in U.S.	37	1.50	52	2.10
Education level	28	1.13	37	1.50
Health status – individual	30	1.21	28	1.13
Health of overall diet (individual)	31	1.25	33	1.34
Health of overall diet (household)	32	1.30	30	1.21
Number of children 5-17 years old in household	473	19.14	465	18.82
Number of children < 5 years old in household	561	22.70	537	21.73
Number of adults > 60 years old	335	13.56	259	10.48
Participate in WIC	121	4.90	94	3.80
Participate in NSLP	121	4.90	94	3.80
Participate in SFMP	121	4.90	94	3.80
Receive food from Meals on Wheels	121	4.90	94	3.80
Receive food from food pantry	121	4.90	94	3.80

Table I-11. Imputation rate for demographic characteristics, baseline and followup survey responses (continued)

Characteristic	Count of imputed values	% of imputed values	Count of imputed values	% of imputed values
	Baseline Survey		Followup Survey	
Receive food from other source	121	4.90	94	3.80
Receive no food from other sources	121	4.90	94	3.80
Receive wage/salary income	59	2.39	41	1.66
Receive self-employment income	59	2.39	41	1.66
Receive interest/capital income	59	2.39	41	1.66
Receive Social Security or Railroad Retirement income	59	2.39	41	1.66
Receive SSI	59	2.39	41	1.66
Receive cash-welfare income	59	2.39	41	1.66
Receive retirement/survivor/disability pension income	59	2.39	41	1.66
Receive other income (e.g., VA payments, unemployment, child support, alimony)	59	2.39	41	1.66
Total monthly income	163	6.60	364	14.73
Yearly income category	126	5.10	126	5.10
Current household financial condition	81	3.28	80	3.24

Notes:

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

NSLP = National School Lunch Program.

SFMNP = Senior Farmers Market Nutrition Program.

The following additional edits were made to self-reported monthly income to reduce the percentage of missing values:

- If a respondent did not provide a monthly income value in the baseline survey, the respondent's response to the followup survey was used.
- If the respondent did not provide monthly income at either baseline or followup, the midpoint of their annual income category divided by 12 was used.
- If the respondent did not provide any monthly or annual income, the variable was imputed using the AutoImpute procedures described previously.

I.5.4 Variable Construction Using Responses to the NCI Screener

The survey used the National Cancer Institute's (NCI) "All-Day Screener" to estimate daily cup-equivalent consumption of fruits and vegetables.¹¹ For a series of component fruits and vegetables, the survey asks how frequently respondents ate the component and the usual portion size of the component when eaten. The survey asked respondents about their frequency and amounts eaten of

¹¹ See Millen et al. (2005) for a discussion of the validation of this measure to determine fruit and vegetable consumption.

100 percent juices; fruits – excluding juice; lettuce or leafy green salads; fried potatoes; non-fried white potatoes; cooked dried beans; other vegetables (e.g., carrots); tomato sauce; and salsa.

For each component listed above, respondents answered the frequency questions using the following scale: “Never,” “1 to 3 times last month,” “1 to 2 times per week,” “3 to 4 times per week,” “5 to 6 times per week,” “1 time per day,” “2 times per day,” “3 times per day,” “4 times per day,” and “5 or more times per day.” Respondents also answered usual portion size questions for each component, though the scale varied between components. For example, the portion amount scale for tomato sauce was “About ¼ cup,” “About ½ cup,” “About 1 cup,” and “More than 1 cup,” while the scale for lettuce salad was “About ½ cup,” “About 1 cup,” “About 2 cups,” and “More than 2 cups.”

Using National Cancer Institute (NCI) (2016) guidance, missing values for usual portion size were imputed.¹² Following the guidance, the most frequently reported average portion sizes were calculated across lettuce or leafy green salads, fried potatoes, non-fried white potatoes, cooked dried beans, tomato sauce, and salsa for each respondent. For any of these components with missing usual portion size values, the respondents’ missing values were recoded to their most frequently reported usual portion size. If a respondent was missing usual portion size for either 100 percent juice or non-juice fruits, the missing 100 percent juice usual portion size was recoded with the non-juice fruits average portion size, and vice-versa. If usual portion size was not missing (after imputation) and frequency was missing, the frequency was recoded to “Never.” Component cup-equivalent consumption was set to missing if the respondent did not answer any frequency and usual portion size questions, or if the respondent failed to answer the frequency questions for non-juice fruits and other vegetables.

An algorithm provided by NCI2016 was used to calculate the daily cup equivalent of each fruit and vegetable component asked about on the survey based on each component’s frequency and average portion size (after imputation). Based on Millen et al. (2005), component cup-equivalent consumption measures were flagged as outliers and their values were set to missing if the values exceeded three times the interquartile range of the component cup-equivalent consumption.

¹² <https://epi.grants.cancer.gov/diet/screeners/fruitveg/scoring/allday.html>.

I.5.5 Transformations to Account for Non-Normality

The distributions of the two primary continuous outcomes—fruit and vegetable expenditures and consumption—were assessed for nonnormality. Consumption and expenditure measures both exhibited positive (or rightward) skewness. To correct for this skewness and create a more normal distribution, the Box-Cox transformation was used (Box and Cox, 1964). The Box-Cox transformation was also used in the HIP study to transform fruit and vegetable consumption (Bartlett et al., 2014). A smearing estimate based on Duan (1983) and Abrevaya (2002) was used to provide the correct interpretation of coefficients from the Box-Cox transformations of the consumption and expenditure outcomes. The estimate is as follows:

$$\frac{1}{n} \sum_{i=1}^n (\hat{\theta}(x' \hat{\beta} + \hat{\epsilon}_i) + 1)^{1/\hat{\theta}}$$

where $\hat{\theta}$ is the estimated power transformation coefficient from the Box-Cox transformation, $x' \hat{\beta}$ is the linear marginal effect, and $\hat{\epsilon}_i$ is the expected value of the residuals. The above equation is the smearing estimate for the average marginal effect calculated for each covariate in each outcome model.

I.6 Retailer Survey Weighting

To account for nonresponse to the Retailer Survey, weights were constructed with a propensity score model using the TWANG package. Response status was the dependent variable, and available auxiliary variables were included as covariates. All covariates were community-level variables at the Census-tract or county levels from secondary data sources such as Census 2010 and the American Community Survey (ACS) (see Table I-12). The propensity score was the probability that a retailer responded to the survey. The nonresponse-adjusted weight was the inverse of the estimated propensity score. The weight sums to the eligible universe size of 966. Table I-13 shows the distribution of the weight. Fifty jackknife replicate weights were developed for variance estimation.

Table I-12. List of variables used for propensity score modeling for nonresponse adjustment for the Retailer Survey

Variables used for propensity score modeling	
Urban (%)	% aged >= 16 years who are unemployed
Race/Ethnicity (%)	% home ownership
Hispanic	% renter-occupied housing
Non-Hispanic	Annual median household income
American Indian Alaska Native	Population density (persons/square mile)
Asian	% of population living in an urban area
Black	% foreign born
Pacific Islander	% female head of household
White	% less than HS education
Other Race	% with just HS education
Two or More Races	% greater than HS education
Average years of schooling	% college degree
Non-English speakers (%)	Population, low access to store (%)
% income from interest, dividends and rent	Low income and low access to store (%)
% HHs receiving public assistance	Households, no car and low access to store (%)
% HHs receiving SNAP	Children, low access to store (%)
% vacant housing units	Seniors, low access to store (%)
% HHs with more than 1 person per room	Grocery stores/1,000 pop.
% HHs with only 1 room	Super centers and club stores/1,000 pop.
% HHs with no telephone	Convenience stores/1,000 pop.
% HHs with a vehicle available	Specialized food stores/1,000 pop.
% HHs without complete plumbing facilities	SNAP-authorized stores/1,000 pop.
% HHs without complete kitchen facilities	WIC-authorized stores/1,000 pop.
Median rent	Fast-food restaurants/1,000 pop.
% homes valued over \$400,000	Full-service restaurants/1,000 pop, 2014
Median house value	Direct farm sales (%)
% working class	Farmers' markets/1,000 pop.
% linguistically isolated households	Adult obesity rate (county)
% of persons below poverty line	% of county population living in urbanized areas
% of persons below 200% of poverty line	

Sources: Census 2010; American Community Survey, 2010-2014; Food Environment Atlas, USDA Economic Research Service.

Table I-13. Descriptive statistics of the final weight for the Retailer Survey

Variable	n	Mean	Minimum	Median	Maximum	Standard deviation	Sum
Weight	595	1.674	1.195	1.598	3.167	0.338	996

Appendix L presents the results from the non-response bias analyses.

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Appendix J

Outcome Measures, Baseline Equivalence Testing, and Unadjusted Baseline/Follow-up Survey Means

Appendix J.

Outcomes Measures, Baseline Equivalence Testing, and Unadjusted Pre-/Follow-up Survey Means

The tables in Appendix J show results of the baseline equivalence tests of the primary outcomes and the baseline and follow-up survey means for all outcomes. Tests of baseline equivalence indicate the degree to which treatment and comparison groups were similar in terms of the primary outcomes prior to exposure to FINI. Table J-1 displays a comparison of baseline values for the two primary outcome variables: (1) monthly expenditures on fruits and vegetables and (2) total daily cup equivalents of fruit and vegetable consumption -excluding fried potatoes. The table shows overall percentages and means for each study group, the values for the treatment and comparison groups separately, and the Standardized Mean Difference (SMD) between the treatment and comparison group values. A SMD of 0.25 or greater typically indicates imbalance (Stuart et al., 2013; Garrido et al., 2014). The baseline data shown in the table come from the baseline SNAP participant survey (i.e., prior to exposure to FINI).

As Table J-1 shows, there was some imbalance in baseline monthly fruit and vegetable expenditures between SNAP participants in the Farmers Market General (FMG) and Farmers Market Shopper (FMS) treatment and comparison groups. To account for differences in baseline outcomes values, the impact estimates for all outcomes measures presented in the report are regression-adjusted to control for the baseline outcome value (whether there is significant imbalance in baseline values or not). The regression adjustment holds baseline outcomes values constant when estimating the impact of FINI, meaning that the regression-adjusted impact estimates are not sensitive to differences in baseline values between the treatment and comparison groups.

Tables J-2 through J-16 display baseline and follow-up survey means for the treatment and comparison groups for each outcome (both primary and secondary). The baseline and follow-up survey means are not regression-adjusted (in contrast to the outcomes means presented in Chapters 8 and 9, which use regression analyses to control for covariates); because the means in this appendix are not regression adjusted, the tables in Appendix J refer to the baseline/follow-up survey means as “unadjusted.” As with other analyses presented in this report, the tables in Appendix J display weighted means and unweighted sample sizes.

Table J-1. Baseline equivalence of primary outcome measures

	Farmers markets								Grocery stores							
	General				Shoppers				General				Shoppers			
	All	T	C	SMD	All	T	C	SMD	All	T	C	SMD	All	T	C	SMD
Monthly household fruit and vegetable expenditures (n)	353	185	168		378	195	183		404	160	244		275	79	196	
Mean (\$)	68.32 (2.29)	59.33 (2.81)	77.14 (3.83)	0.515*	94.24 (4.12)	106.83 (6.77)	80.41 (3.53)	0.353*	74.79 (3.17)	69.57 (4.50)	79.01 (4.77)	0.197	72.04 (8.40)	66.30 (13.55)	75.31 (7.06)	0.192
Daily cups of fruits and vegetables consumed – excluding fried potatoes – individual level (n)	767	389	378		642	324	318		861	354	507		441	121	320	
Mean (cups)	1.86 (0.05)	1.77 (0.06)	1.94 (0.06)	0.146	2.18 (0.04)	2.36 (0.09)	1.99 (0.05)	0.246	1.96 (0.06)	2.07 (0.10)	1.86 (0.05)	0.153	2.03 (0.08)	2.30 (0.18)	1.89 (0.06)	0.270*

Source: Pre-SNAP Participant Survey.

Weighted means and percentages (unweighted n's). Standard errors in parentheses.

SMD=Standardized Mean Difference; *Indicates SMD>0.25 (see Stuart et al., 2013; Garrido et al., 2014).

Table J-2. Unadjusted means of monthly household fruit and vegetable expenditures, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (\$)	n	Mean (\$)
Farmers Market General (N=833)					
Fruit and vegetable expenditures	Baseline survey	181	58.99 (2.87)	165	77.62 (3.83)
	Follow-up survey	181	66.24 (3.78)	165	67.73 (3.06)
Farmers Market Shoppers (N=703)					
Fruit and vegetable expenditures	Baseline survey	195	106.83 (6.69)	181	79.72 (3.66)
	Follow-up survey	195	101.08 (4.98)	181	76.28 (3.38)
Grocery Store General (N=935)					
Fruit and vegetable expenditures	Baseline survey	157	69.69 (4.55)	243	79.29 (4.79)
	Follow-up survey	157	67.42 (3.42)	243	64.51 (3.27)
Grocery Store Shoppers (N=454)					
Fruit and vegetable expenditures	Baseline survey	60	59.58 (5.16)	152	73.53 (4.30)
	Follow-up survey	60	65.46 (4.94)	152	62.13 (3.10)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-3. Unadjusted means of retailers that SNAP participants usually shop at for fruits and vegetables, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Chain grocery store	Baseline survey	401	73.55 (2.07)	391	69.20 (2.51)
	Follow-up survey	401	64.74 (2.11)	391	65.27 (2.54)
Discount superstore	Baseline survey	401	29.10 (2.34)	391	38.78 (2.65)
	Follow-up survey	401	33.90 (2.57)	391	37.99 (3.02)
Dollar store	Baseline survey	410	2.57 (0.77)	395	2.39 (0.77)
	Follow-up survey	410	4.71 (1.07)	395	4.71 (1.20)
Natural or organic supermarket/local market	Baseline survey	401	12.34 (1.46)	391	9.59 (1.62)
	Follow-up survey	401	12.08 (2.30)	391	10.17 (1.67)
Small local store/ corner store	Baseline survey	401	6.15 (1.22)	391	5.99 (1.46)
	Follow-up survey	401	8.11 (1.48)	391	8.63 (1.43)
Farmers market/co-op	Baseline survey	401	19.72 (2.17)	391	18.45 (1.76)
	Follow-up survey	401	27.79 (2.35)	391	27.54 (2.55)
Make special effort to go to particular store to buy high-quality fruits or vegetables (always or most of the time)	Baseline survey	406	40.33 (2.45)	399	46.45 (2.32)
	Follow-up survey	406	44.19 (3.15)	399	44.06 (2.59)
Farmers Market Shoppers (N=703)					
Chain grocery store	Baseline survey	335	68.69 (2.98)	342	67.11 (2.85)
	Follow-up survey	335	69.17 (2.44)	342	61.25 (2.57)
Discount superstore	Baseline survey	335	28.31 (2.24)	342	41.70 (3.22)
	Follow-up survey	335	29.56 (2.09)	342	34.17 (2.54)
Dollar store	Baseline survey	337	2.52 (0.77)	346	3.03 (0.82)
	Follow-up survey	337	3.72 (1.20)	346	3.72 (1.04)
Natural or organic supermarket/local market	Baseline survey	335	21.30 (2.42)	342	14.92 (1.90)
	Follow-up survey	335	19.67 (1.93)	342	13.62 (1.70)
Small local store/ corner store	Baseline survey	335	8.19 (1.53)	342	9.06 (1.38)
	Follow-up survey	335	7.72 (1.60)	342	9.71 (1.58)
Farmers market/co-op	Baseline survey	335	54.55 (3.46)	342	47.69 (2.74)
	Follow-up survey	335	67.77 (2.79)	342	52.56 (2.84)

Table J-3. Unadjusted means of retailers that SNAP participants usually shop at for fruits and vegetables, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Make special effort to go to particular store to buy high-quality fruits or vegetables (always or most of the time)	Baseline survey	340	52.36 (3.06)	346	46.67 (2.57)
	Follow-up survey	340	55.94 (2.52)	346	50.57 (2.43)
Grocery Store General (N=935)					
Chain grocery store	Baseline survey	370	61.90 (3.33)	524	63.54 (1.95)
	Follow-up survey	370	61.68 (2.66)	524	60.21 (2.03)
Discount superstore	Baseline survey	370	30.41 (3.21)	524	45.48 (2.21)
	Follow-up survey	370	33.57 (2.90)	524	45.10 (2.18)
Dollar store	Baseline survey	370	2.72 (0.99)	524	2.99 (0.79)
	Follow-up survey	370	2.38 (0.87)	524	3.30 (0.92)
Natural or organic supermarket/local market	Baseline survey	370	13.01 (1.66)	524	5.66 (0.88)
	Follow-up survey	370	13.18 (2.18)	524	6.03 (1.17)
Small local store/ corner store	Baseline survey	370	10.28 (2.19)	524	8.25 (1.09)
	Follow-up survey	370	7.90 (1.59)	524	8.24 (1.18)
Farmers market/co-op	Baseline survey	370	23.21 (2.91)	524	19.75 (1.68)
	Follow-up survey	370	26.98 (2.61)	524	22.90 (1.92)
Make special effort to go to particular store to buy high-quality fruits or vegetables (always or most of the time)	Baseline survey	373	39.58 (2.62)	538	47.80 (1.82)
	Follow-up survey	373	44.59 (2.97)	538	42.26 (2.47)
Grocery Store Shoppers (N=454)					
Chain grocery store	Baseline survey	121	53.33 (4.82)	318	60.80 (2.70)
	Follow-up survey	121	57.10 (4.56)	318	57.51 (2.83)
Discount superstore	Baseline survey	121	37.11 (5.49)	318	48.25 (2.81)
	Follow-up survey	121	30.67 (4.71)	318	45.06 (3.03)
Dollar store	Baseline survey	123	5.94 (2.66)	319	2.27 (0.83)
	Follow-up survey	123	2.60 (1.57)	319	2.60 (1.22)
Natural or organic supermarket/local market	Baseline survey	121	14.56 (3.22)	318	5.91 (1.14)
	Follow-up survey	121	14.11 (4.07)	318	6.46 (1.59)
Small local store/ corner store	Baseline survey	121	13.41 (4.03)	318	8.89 (1.34)
	Follow-up survey	121	4.98 (1.82)	318	9.67 (1.64)

Table J-3. Unadjusted means of retailers that SNAP participants usually shop at for fruits and vegetables, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers market/co-op	Baseline survey	121	23.25 (4.98)	318	22.56 (2.33)
	Follow-up survey	121	24.29 (4.84)	318	28.22 (2.54)
Make special effort to go to particular store to buy high-quality fruits or vegetables (always or most of the time)	Baseline survey	121	34.13 (4.63)	324	45.87 (2.61)
	Follow-up survey	121	45.14 (4.10)	324	44.21 (2.89)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-4. Unadjusted means of SNAP participant self-reported types of fresh fruits purchased in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		N	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Fresh bananas	Baseline survey	385	90.16 (1.65)	373	92.56 (1.33)
	Follow-up survey	385	88.17 (1.97)	373	90.60 (1.67)
Fresh apples	Baseline survey	385	75.73 (2.42)	373	81.44 (2.15)
	Follow-up survey	385	74.46 (2.24)	373	77.91 (2.51)
Fresh berries	Baseline survey	385	48.84 (3.09)	373	50.83 (3.23)
	Follow-up survey	385	56.96 (2.47)	373	62.35 (2.94)
Fresh oranges	Baseline survey	385	75.02 (2.36)	373	78.40 (2.44)
	Follow-up survey	385	68.65 (2.57)	373	69.94 (2.38)
Fresh melons	Baseline survey	385	47.40 (2.62)	373	45.73 (2.58)
	Follow-up survey	385	63.01 (2.35)	373	67.96 (2.72)
Fresh grapes	Baseline survey	385	72.12 (2.77)	373	74.36 (2.47)
	Follow-up survey	385	75.59 (2.09)	373	79.40 (2.15)
Fresh peaches	Baseline survey	385	34.07 (2.66)	373	32.61 (2.66)
	Follow-up survey	385	53.52 (2.50)	373	46.97 (2.87)
Fresh pineapples	Baseline survey	385	38.14 (2.60)	373	38.69 (2.37)
	Follow-up survey	385	39.27 (2.83)	373	36.72 (2.53)
Fresh pears	Baseline survey	385	33.84 (2.43)	373	35.04 (2.79)
	Follow-up survey	385	35.57 (2.53)	373	35.11 (2.25)
Farmers Market Shoppers (N=703)					
Fresh bananas	Baseline survey	328	89.05 (1.47)	333	92.11 (1.66)
	Follow-up survey	328	89.49 (1.64)	333	87.95 (1.97)
Fresh apples	Baseline survey	328	78.82 (1.81)	333	77.09 (2.61)
	Follow-up survey	328	75.77 (1.89)	333	72.52 (2.80)
Fresh berries	Baseline survey	328	57.01 (2.73)	333	53.32 (2.89)
	Follow-up survey	328	70.98 (2.47)	333	69.16 (2.87)
Fresh oranges	Baseline survey	328	74.22 (1.88)	333	77.52 (2.39)
	Follow-up survey	328	59.38 (2.44)	333	57.74 (3.11)
Fresh melons	Baseline survey	328	40.13 (2.72)	333	44.08 (2.82)
	Follow-up survey	328	69.74 (2.09)	333	66.36 (2.68)

Table J-4. Unadjusted means of SNAP participant self-reported types of fresh fruits purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		N	Mean (%)	n	Mean (%)
Fresh grapes	Baseline survey	328	68.31 (2.97)	333	74.63 (2.87)
	Follow-up survey	328	76.95 (2.37)	333	76.76 (2.29)
Fresh peaches	Baseline survey	328	27.55 (3.09)	333	24.10 (2.46)
	Follow-up survey	328	58.47 (3.07)	333	53.84 (3.16)
Fresh pineapples	Baseline survey	328	35.97 (3.06)	333	28.63 (2.14)
	Follow-up survey	328	35.69 (2.99)	333	31.24 (1.98)
Fresh pears	Baseline survey	328	35.01 (2.52)	333	34.45 (2.73)
	Follow-up survey	328	34.18 (2.83)	333	27.53 (2.02)
Grocery Store General (N=935)					
Fresh bananas	Baseline survey	343	83.33 (2.44)	507	89.34 (1.34)
	Follow-up survey	343	86.37 (2.61)	507	87.96 (1.43)
Fresh apples	Baseline survey	343	79.76 (2.32)	507	75.17 (1.94)
	Follow-up survey	343	76.65 (2.44)	507	75.65 (1.68)
Fresh berries	Baseline survey	343	51.41 (3.08)	507	46.12 (2.53)
	Follow-up survey	343	56.43 (3.11)	507	52.95 (2.20)
Fresh oranges	Baseline survey	343	74.04 (2.84)	507	73.46 (1.91)
	Follow-up survey	343	66.86 (3.00)	507	60.64 (2.05)
Fresh melons	Baseline survey	343	44.62 (2.76)	507	37.82 (2.21)
	Follow-up survey	343	62.91 (3.09)	507	60.56 (2.27)
Fresh grapes	Baseline survey	343	76.88 (2.36)	507	69.65 (2.05)
	Follow-up survey	343	81.79 (2.48)	507	74.61 (2.34)
Fresh peaches	Baseline survey	343	33.89 (2.87)	507	28.62 (2.21)
	Follow-up survey	343	50.57 (3.09)	507	45.97 (2.27)
Fresh pineapples	Baseline survey	343	36.98 (3.11)	507	31.73 (1.94)
	Follow-up survey	343	39.63 (3.11)	507	33.95 (1.98)
Fresh pears	Baseline survey	343	34.47 (2.94)	507	23.15 (2.01)
	Follow-up survey	343	33.53 (3.64)	507	27.07 (2.30)

Table J-4. Unadjusted means of SNAP participant self-reported types of fresh fruits purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		N	Mean (%)	n	Mean (%)
Grocery Store Shoppers (N=454)					
Fresh bananas	Baseline survey	111	86.01 (4.55)	310	89.51 (1.64)
	Follow-up survey	111	90.46 (4.25)	310	90.46 (1.80)
Fresh apples	Baseline survey	109	77.40 (4.37)	308	74.29 (2.23)
	Follow-up survey	109	75.31 (4.03)	308	75.66 (2.26)
Fresh berries	Baseline survey	109	52.69 (5.30)	308	44000 (3.17)
	Follow-up survey	109	55.80 (5.14)	308	51.22 (2.93)
Fresh oranges	Baseline survey	109	71.51 (4.80)	308	75.81 (2.46)
	Follow-up survey	109	73.28 (5.16)	308	61.54 (2.98)
Fresh melons	Baseline survey	109	48.94 (5.25)	308	36.14 (2.71)
	Follow-up survey	109	69.59 (5.90)	308	60.98 (3.37)
Fresh grapes	Baseline survey	111	77.16 (4.23)	310	69.19 (2.40)
	Follow-up survey	111	81.12 (4.37)	310	81.12 (2.69)
Fresh peaches	Baseline survey	109	34.95 (4.47)	308	28.79 (2.65)
	Follow-up survey	109	58.17 (4.57)	308	47.12 (3.23)
Fresh pineapples	Baseline survey	109	37.68 (4.61)	308	27.79 (2.54)
	Follow-up survey	109	50.75 (5.52)	308	35.14 (2.96)
Fresh pears	Baseline survey	109	36.93 (4.26)	308	20.02 (2.04)
	Follow-up survey	109	35.89 (5.46)	308	26.12 (3.19)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-5. Unadjusted means of SNAP participant self-reported types of fresh vegetables purchased in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Fresh potatoes	Baseline survey	388	87.36 (1.53)	371	87.29 (1.77)
	Follow-up survey	388	84.73 (1.85)	371	84.69 (1.96)
Fresh lettuce/leafy salad greens	Baseline survey	388	85.56 (1.42)	371	90.05 (1.39)
	Follow-up survey	388	88.27 (2.00)	371	89.96 (1.62)
Fresh onions	Baseline survey	388	83.68 (2.05)	371	87.31 (1.80)
	Follow-up survey	388	81.37 (1.90)	371	86.42 (1.88)
Fresh tomatoes	Baseline survey	388	76.80 (2.53)	371	79.53 (2.26)
	Follow-up survey	388	84.18 (2.03)	371	80.36 (2.31)
Fresh carrots	Baseline survey	388	70.90 (1.98)	371	67.02 (2.59)
	Follow-up survey	388	66.06 (2.35)	371	65.43 (2.56)
Fresh green beans	Baseline survey	388	33.17 (2.40)	371	34.73 (2.34)
	Follow-up survey	388	41.43 (2.39)	371	40.31 (3.04)
Fresh peppers	Baseline survey	388	65.84 (2.21)	371	69.55 (2.78)
	Follow-up survey	388	65.70 (2.25)	371	69.71 (2.84)
Fresh legumes/shelled beans	Baseline survey	388	17.77 (1.96)	371	16.58 (2.04)
	Follow-up survey	388	21.98 (1.92)	371	17.74 (1.96)
Fresh broccoli	Baseline survey	388	58.32 (2.75)	371	50.11 (2.60)
	Follow-up survey	388	61.22 (2.54)	371	55.84 (2.68)
Farmers Market Shoppers (N=703)					
Fresh potatoes	Baseline survey	329	86.99 (1.71)	332	88.27 (1.78)
	Follow-up survey	329	84.09 (2.36)	332	83.43 (2.07)
Fresh lettuce/leafy salad greens	Baseline survey	329	89.12 (2.02)	332	90.51 (1.83)
	Follow-up survey	329	92.00 (1.43)	332	89.23 (1.68)
Fresh onions	Baseline survey	332	90.24 (1.70)	336	86.04 (1.78)
	Follow-up survey	332	91.38 (1.74)	336	91.38 (1.76)
Fresh tomatoes	Baseline survey	329	80.18 (2.19)	332	78.12 (2.07)
	Follow-up survey	329	87.08 (2.07)	332	80.68 (2.24)
Fresh carrots	Baseline survey	329	78.70 (2.30)	332	73.85 (3.24)
	Follow-up survey	329	72.04 (2.29)	332	70.78 (2.68)

Table J-5. Unadjusted means of SNAP participant self-reported types of fresh vegetables purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Fresh green beans	Baseline survey	329	36.06 (2.81)	332	33.77 (3.03)
	Follow-up survey	329	45.97 (2.39)	332	36.63 (2.63)
Fresh peppers	Baseline survey	329	71.40 (2.33)	332	63.87 (2.62)
	Follow-up survey	329	75.76 (2.13)	332	68.94 (2.69)
Fresh legumes/shelled beans	Baseline survey	329	13.69 (2.05)	332	11.74 (1.85)
	Follow-up survey	329	15.05 (2.42)	332	13.22 (2.01)
Fresh broccoll	Baseline survey	329	61.25 (3.17)	332	63.58 (3.03)
	Follow-up survey	329	60.60 (2.27)	332	58.28 (3.08)
Grocery Store General (N=935)					
Fresh potatoes	Baseline survey	343	89.49 (1.64)	504	86.05 (1.59)
	Follow-up survey	343	85.66 (2.21)	504	88.39 (1.56)
Fresh lettuce/leafy salad greens	Baseline survey	343	89.45 (1.75)	504	88.84 (1.32)
	Follow-up survey	343	89.00 (1.97)	504	88.72 (1.36)
Fresh onions	Baseline survey	343	84.43 (1.55)	504	85.17 (1.56)
	Follow-up survey	343	84.19 (1.93)	504	86.23 (1.70)
Fresh tomatoes	Baseline survey	343	80.99 (1.96)	504	74.15 (1.96)
	Follow-up survey	343	82.29 (2.09)	504	80.53 (1.80)
Fresh carrots	Baseline survey	343	59.11 (3.12)	504	63.73 (2.31)
	Follow-up survey	343	53.12 (3.61)	504	61.31 (2.02)
Fresh green beans	Baseline survey	343	38.84 (2.99)	504	31.94 (2.19)
	Follow-up survey	343	40.89 (2.50)	504	31.83 (2.12)
Fresh peppers	Baseline survey	343	67.30 (2.87)	504	66.89 (2.04)
	Follow-up survey	343	65.70 (2.54)	504	70.80 (2.16)
Fresh legumes/shelled beans	Baseline survey	343	14.70 (2.02)	504	8.45 (1.27)
	Follow-up survey	343	14.40 (1.78)	504	12.35 (1.67)
Fresh broccoll	Baseline survey	343	56.96 (3.48)	504	53.02 (2.27)
	Follow-up survey	343	55.01 (3.67)	504	54.79 (2.10)

Table J-5. Unadjusted means of SNAP participant self-reported types of fresh vegetables purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Grocery Store Shoppers (N=454)					
Fresh potatoes	Baseline survey	110	90.32 (3.02)	306	87.94 (1.87)
	Follow-up survey	110	89.44 (3.13)	306	88.49 (2.03)
Fresh lettuce/leafy salad greens	Baseline survey	110	93.28 (1.91)	306	88.23 (1.85)
	Follow-up survey	110	96.86 (1.61)	306	88.89 (2.11)
Fresh onions	Baseline survey	112	82.76 (4.36)	307	84.20 (2.15)
	Follow-up survey	112	87.54 (4.23)	307	87.54 (1.93)
Fresh tomatoes	Baseline survey	110	80.49 (3.75)	306	73.99 (2.38)
	Follow-up survey	110	83.88 (3.55)	306	79.79 (2.19)
Fresh carrots	Baseline survey	110	52.69 (5.10)	306	62.13 (3.07)
	Follow-up survey	110	44.13 (5.60)	306	59.47 (2.86)
Fresh green beans	Baseline survey	110	37.52 (5.42)	306	32.56 (2.68)
	Follow-up survey	110	45.05 (4.83)	306	31.60 (2.53)
Fresh peppers	Baseline survey	110	65.48 (5.36)	306	65.42 (2.65)
	Follow-up survey	110	66.90 (5.31)	306	68.72 (2.79)
Fresh legumes/shelled beans	Baseline survey	110	14.65 (3.28)	306	7.15 (1.51)
	Follow-up survey	110	10.22 (2.69)	306	10.51 (1.70)
Fresh broccoli	Baseline survey	110	59.94 (5.27)	306	53.23 (2.88)
	Follow-up survey	110	60.33 (5.44)	306	54.62 (2.58)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-6. Unadjusted means of SNAP participant self-reported types of frozen fruits purchased in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	N	Mean (%)
Farmers Market General (N=833)					
Frozen bananas	Baseline survey	395	0.40 (0.28)	377	0.89 (0.50)
	Follow-up survey	395	0.94 (0.41)	377	0.94 (0.50)
Frozen apples	Baseline survey	395	0.15 (0.15)	377	0.58 (0.41)
	Follow-up survey	395	0.38 (0.26)	377	0.38 (0.00)
Frozen berries	Baseline survey	385	12.99 (1.88)	373	15.77 (1.97)
	Follow-up survey	385	12.46 (1.63)	373	16.43 (1.84)
Frozen oranges	Baseline survey	395	0.89 (0.47)	377	1.05 (0.54)
	Follow-up survey	395	1.08 (0.58)	377	1.08 (0.57)
Frozen melons	Baseline survey	395	1.09 (0.56)	377	1.12 (0.56)
	Follow-up survey	395	1.81 (0.67)	377	1.81 (0.78)
Frozen grapes	Baseline survey	395	0.15 (0.15)	377	1.03 (0.61)
	Follow-up survey	395	0.86 (0.55)	377	0.86 (0.29)
Frozen peaches	Baseline survey	395	3.31 (1.13)	377	4.97 (1.10)
	Follow-up survey	395	2.20 (0.85)	377	2.20 (0.83)
Frozen pineapples	Baseline survey	395	2.00 (0.67)	377	4.83 (1.22)
	Follow-up survey	395	2.06 (0.56)	377	2.06 (1.10)
Frozen pears	Baseline survey	395	0.77 (0.59)	377	1.84 (0.69)
	Follow-up survey	395	0.75 (0.38)	377	0.75 (0.39)
Farmers Market Shoppers (N=703)					
Frozen bananas	Baseline survey	331	0.26 (0.26)	337	0.00 (0.00)
	Follow-up survey	331	0.50 (0.49)	337	0.50 (0.42)
Frozen apples	Baseline survey	331	0.26 (0.26)	337	0.00 (0.00)
	Follow-up survey	331	0.00 (0.00)	337	0.00 (0.43)
Frozen berries	Baseline survey	328	24.61 (2.44)	333	24.10 (2.44)
	Follow-up survey	328	18.17 (2.28)	333	20.05 (2.26)
Frozen oranges	Baseline survey	331	0.80 (0.46)	337	0.59 (0.41)
	Follow-up survey	331	0.53 (0.53)	337	0.53 (0.58)
Frozen melons	Baseline survey	331	0.88 (0.49)	337	1.78 (0.58)
	Follow-up survey	331	0.25 (0.24)	337	0.25 (0.46)

Table J-6. Unadjusted means of SNAP participant self-reported types of frozen fruits purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	N	Mean (%)
Frozen grapes	Baseline survey	331	0.18 (0.17)	337	0.33 (0.33)
	Follow-up survey	331	0.55 (0.54)	337	0.55 (0.46)
Frozen peaches	Baseline survey	331	2.77 (0.65)	337	7.36 (1.40)
	Follow-up survey	331	2.63 (0.93)	337	2.63 (0.87)
Frozen pineapples	Baseline survey	331	2.37 (0.94)	337	1.56 (0.68)
	Follow-up survey	331	2.46 (1.02)	337	2.46 (0.91)
Frozen pears	Baseline survey	331	0.74 (0.42)	337	0.31 (0.30)
	Follow-up survey	331	0.50 (0.35)	337	0.50 (0.66)
Grocery Store General (N=935)					
Frozen bananas	Baseline survey	349	0.52 (0.37)	513	1.12 (0.59)
	Follow-up survey	349	0.21 (0.20)	513	0.21 (0.46)
Frozen apples	Baseline survey	349	0.71 (0.41)	513	0.58 (0.47)
	Follow-up survey	349	0.49 (0.37)	513	0.49 (0.20)
Frozen berries	Baseline survey	343	9.54 (2.02)	507	14.79 (1.78)
	Follow-up survey	343	9.82 (2.11)	507	13.70 (1.73)
Frozen oranges	Baseline survey	349	0.52 (0.37)	513	0.47 (0.46)
	Follow-up survey	349	0.31 (0.22)	513	0.31 (0.50)
Frozen melons	Baseline survey	349	1.82 (1.00)	513	1.38 (0.66)
	Follow-up survey	349	0.14 (0.14)	513	0.14 (0.50)
Frozen grapes	Baseline survey	349	1.21 (0.64)	513	1.07 (0.56)
	Follow-up survey	349	0.32 (0.32)	513	0.32 (0.55)
Frozen peaches	Baseline survey	349	1.75 (0.65)	513	3.14 (0.83)
	Follow-up survey	349	2.42 (0.72)	513	2.42 (0.77)
Frozen pineapples	Baseline survey	343	1.92 (0.63)	507	2.18 (0.71)
	Follow-up survey	343	3.17 (0.99)	507	2.03 (0.66)
Frozen pears	Baseline survey	349	1.33 (0.87)	513	0.89 (0.51)
	Follow-up survey	349	0.91 (0.54)	513	0.91 (0.50)

Table J-6. Unadjusted means of SNAP participant self-reported types of frozen fruits purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	N	Mean (%)
Grocery Store Shoppers (N=454)					
Frozen bananas	Baseline survey	111	0.81 (0.80)	310	1.53 (0.92)
	Follow-up survey	111	0.00 (0.00)	310	0.00 (0.71)
Frozen apples	Baseline survey	111	0.81 (0.80)	310	0.99 (0.80)
	Follow-up survey	111	0.42 (0.42)	310	0.42 (0.00)
Frozen berries	Baseline survey	109	14.09 (4.21)	308	17.23 (2.31)
	Follow-up survey	109	13.05 (4.68)	308	13.13 (2.32)
Frozen oranges	Baseline survey	111	0.81 (0.80)	310	0.80 (0.78)
	Follow-up survey	111	0.54 (0.53)	310	0.54 (0.71)
Frozen melons	Baseline survey	111	1.44 (1.03)	310	2.35 (1.11)
	Follow-up survey	111	0.42 (0.42)	310	0.42 (0.71)
Frozen grapes	Baseline survey	111	2.32 (1.66)	310	1.82 (0.95)
	Follow-up survey	111	0.00 (0.00)	310	0.00 (0.71)
Frozen peaches	Baseline survey	111	2.69 (1.58)	310	3.94 (1.28)
	Follow-up survey	111	1.75 (1.30)	310	1.75 (0.98)
Frozen pineapples	Baseline survey	111	2.83 (1.45)	310	3.06 (1.13)
	Follow-up survey	111	2.37 (1.65)	310	2.37 (0.48)
Frozen pears	Baseline survey	111	0.81 (0.80)	310	1.51 (0.87)
	Follow-up survey	111	0.54 (0.53)	310	0.54 (0.28)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-7. Unadjusted means of SNAP participant self-reported types of frozen vegetables purchased in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	N	Mean (%)
Farmers Market General (N=833)					
Frozen potatoes	Baseline survey	388	4.24 (0.97)	371	8.32 (1.23)
	Follow-up survey	388	7.70 (1.51)	371	8.14 (1.06)
Frozen lettuce/leafy salad greens	Baseline survey	398	1.44 (0.60)	376	1.62 (0.72)
	Follow-up survey	398	1.53 (0.75)	376	1.53 (0.43)
Frozen onions	Baseline survey	398	1.10 (0.56)	376	2.08 (0.71)
	Follow-up survey	398	1.14 (0.48)	376	1.14 (0.37)
Frozen tomatoes	Baseline survey	398	0.31 (0.31)	376	0.89 (0.51)
	Follow-up survey	398	0.15 (0.15)	376	0.15 (0.70)
Frozen carrots	Baseline survey	398	4.13 (0.85)	376	8.62 (1.38)
	Follow-up survey	398	7.07 (1.30)	376	7.07 (1.52)
Frozen green beans	Baseline survey	388	11.42 (1.64)	371	18.04 (2.28)
	Follow-up survey	388	12.63 (1.73)	371	17.89 (2.06)
Frozen peppers	Baseline survey	398	3.25 (0.99)	376	3.55 (1.07)
	Follow-up survey	398	3.25 (0.79)	376	3.25 (0.77)
Frozen legumes/shelled beans	Baseline survey	398	1.45 (0.53)	376	2.12 (0.74)
	Follow-up survey	398	1.88 (0.65)	376	1.88 (0.89)
Frozen broccoli	Baseline survey	388	26.26 (2.40)	371	30.72 (2.53)
	Follow-up survey	388	23.18 (2.26)	371	28.18 (2.60)
Farmers Market Shoppers (N=703)					
Frozen potatoes	Baseline survey	329	6.75 (1.32)	332	5.23 (1.30)
	Follow-up survey	329	7.55 (1.63)	332	5.72 (1.35)
Frozen lettuce/leafy salad greens	Baseline survey	332	1.00 (0.48)	336	0.55 (0.38)
	Follow-up survey	332	0.29 (0.28)	336	0.29 (0.45)
Frozen onions	Baseline survey	332	2.26 (0.79)	336	1.18 (0.56)
	Follow-up survey	332	1.51 (0.70)	336	1.51 (0.75)
Frozen tomatoes	Baseline survey	332	0.43 (0.30)	336	0.30 (0.29)
	Follow-up survey	332	0.00 (0.00)	336	0.00 (0.32)
Frozen carrots	Baseline survey	332	4.57 (1.21)	336	7.44 (1.63)
	Follow-up survey	332	4.95 (1.30)	336	4.95 (1.30)

Table J-7. Unadjusted means of SNAP participant self-reported types of frozen vegetables purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	N	Mean (%)
Frozen green beans	Baseline survey	329	16.23 (2.12)	332	14.26 (2.44)
	Follow-up survey	329	11.10 (1.69)	332	11.79 (1.75)
Frozen peppers	Baseline survey	332	2.78 (0.78)	336	3.25 (1.07)
	Follow-up survey	332	4.32 (1.21)	336	4.32 (1.00)
Frozen legumes/shelled beans	Baseline survey	332	1.89 (0.69)	336	1.82 (0.59)
	Follow-up survey	332	2.03 (0.69)	336	2.03 (1.04)
Frozen broccoli	Baseline survey	329	23.85 (2.12)	332	25.31 (2.56)
	Follow-up survey	329	23.22 (2.69)	332	22.66 (2.18)
Grocery Store General (N=935)					
Frozen potatoes	Baseline survey	343	4.91 (1.51)	504	4.63 (1.02)
	Follow-up survey	343	4.59 (1.17)	504	5.34 (0.92)
Frozen lettuce/leafy salad greens	Baseline survey	349	0.25 (0.25)	509	1.62 (0.57)
	Follow-up survey	349	1.57 (0.61)	509	1.57 (0.77)
Frozen onions	Baseline survey	343	0.32 (0.23)	504	1.80 (0.67)
	Follow-up survey	343	1.63 (0.69)	504	1.82 (0.63)
Frozen tomatoes	Baseline survey	349	0.24 (0.23)	509	0.84 (0.52)
	Follow-up survey	349	0.14 (0.14)	509	0.14 (0.59)
Frozen carrots	Baseline survey	343	5.97 (1.71)	504	5.79 (1.13)
	Follow-up survey	343	6.77 (1.23)	504	7.23 (1.24)
Frozen green beans	Baseline survey	343	11.50 (1.76)	504	13.12 (1.72)
	Follow-up survey	343	10.46 (1.57)	504	14.20 (1.57)
Frozen peppers	Baseline survey	349	2.82 (0.85)	509	2.65 (0.81)
	Follow-up survey	349	2.55 (0.89)	509	2.55 (1.21)
Frozen legumes/shelled beans	Baseline survey	349	2.70 (0.88)	509	2.79 (0.72)
	Follow-up survey	349	1.68 (0.75)	509	1.68 (0.63)
Frozen broccoli	Baseline survey	343	26.98 (2.45)	504	32.53 (2.23)
	Follow-up survey	343	23.39 (2.63)	504	30.78 (2.02)

Table J-7. Unadjusted means of SNAP participant self-reported types of frozen vegetables purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	N	Mean (%)
Grocery Store Shoppers (N=454)					
Frozen potatoes	Baseline survey	112	1.03 (0.71)	307	4.66 (1.31)
	Follow-up survey	112	2.82 (1.57)	307	2.82 (1.21)
Frozen lettuce/leafy salad greens	Baseline survey	112	0.00 (0.00)	307	1.04 (0.82)
	Follow-up survey	112	0.96 (0.66)	307	0.96 (1.15)
Frozen onions	Baseline survey	112	0.95 (0.66)	307	2.19 (1.00)
	Follow-up survey	112	1.10 (0.79)	307	1.10 (0.90)
Frozen tomatoes	Baseline survey	112	0.00 (0.00)	307	1.44 (0.90)
	Follow-up survey	112	0.42 (0.42)	307	0.42 (0.89)
Frozen carrots	Baseline survey	112	7.71 (3.67)	307	6.44 (1.45)
	Follow-up survey	112	8.89 (2.95)	307	8.89 (1.68)
Frozen green beans	Baseline survey	110	13.58 (3.34)	306	13.18 (2.23)
	Follow-up survey	110	11.79 (3.20)	306	12.29 (2.16)
Frozen peppers	Baseline survey	112	3.97 (1.79)	307	3.23 (1.19)
	Follow-up survey	112	2.09 (1.05)	307	2.09 (1.90)
Frozen legumes/shelled beans	Baseline survey	112	3.65 (1.90)	307	3.24 (1.15)
	Follow-up survey	112	2.55 (1.62)	307	2.55 (0.68)
Frozen broccoli	Baseline survey	110	26.48 (3.70)	306	31.74 (2.70)
	Follow-up survey	110	26.77 (4.76)	306	32.27 (2.59)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-8. Unadjusted means of SNAP participant self-reported types of canned fruits purchased in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Canned bananas	Baseline survey	395	0.31 (0.31)	377	0.58 (0.41)
	Follow-up survey	395	0.69 (0.41)	377	0.69 (0.00)
Canned apples	Baseline survey	395	2.03 (0.90)	377	3.87 (1.14)
	Follow-up survey	395	2.60 (0.78)	377	2.60 (0.96)
Canned berries	Baseline survey	395	1.58 (0.71)	377	1.70 (0.65)
	Follow-up survey	395	2.50 (0.75)	377	2.50 (0.80)
Canned oranges	Baseline survey	395	1.91 (0.72)	377	4.44 (0.94)
	Follow-up survey	395	4.30 (1.00)	377	4.30 (1.12)
Canned melons	Baseline survey	395	1.14 (0.56)	377	1.06 (0.51)
	Follow-up survey	395	0.80 (0.48)	377	0.80 (0.52)
Canned grapes	Baseline survey	395	0.85 (0.50)	377	1.11 (0.55)
	Follow-up survey	395	0.72 (0.42)	377	0.72 (0.60)
Canned peaches	Baseline survey	385	23.34 (1.97)	373	23.54 (2.41)
	Follow-up survey	385	18.64 (2.26)	373	21.57 (2.44)
Canned pineapples	Baseline survey	385	26.04 (2.53)	373	27.45 (2.37)
	Follow-up survey	385	26.98 (2.40)	373	28.23 (2.23)
Canned pears	Baseline survey	385	19.26 (2.32)	373	20.74 (2.58)
	Follow-up survey	385	16.90 (2.03)	373	18.04 (2.02)
Farmers Market Shoppers (N=703)					
Canned bananas	Baseline survey	331	0.27 (0.27)	337	0.00 (0.00)
	Follow-up survey	331	0.75 (0.74)	337	0.75 (0.17)
Canned apples	Baseline survey	331	3.59 (1.18)	337	2.00 (0.72)
	Follow-up survey	331	2.81 (1.24)	337	2.81 (1.21)
Canned berries	Baseline survey	331	1.34 (0.55)	337	1.55 (0.71)
	Follow-up survey	331	1.49 (0.86)	337	1.49 (0.48)
Canned oranges	Baseline survey	328	5.01 (1.43)	333	5.67 (1.28)
	Follow-up survey	328	5.03 (1.11)	333	4.55 (1.00)
Canned melons	Baseline survey	331	0.46 (0.33)	337	0.45 (0.44)
	Follow-up survey	331	0.75 (0.74)	337	0.75 (0.29)

Table J-8. Unadjusted means of SNAP participant self-reported types of canned fruits purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Canned grapes	Baseline survey	331	1.50 (0.78)	337	0.75 (0.53)
	Follow-up survey	331	1.33 (0.86)	337	1.33 (0.17)
Canned peaches	Baseline survey	328	23.91 (2.56)	333	28.32 (2.43)
	Follow-up survey	328	20.87 (1.99)	333	20.86 (2.42)
Canned pineapples	Baseline survey	328	23.03 (2.71)	333	30.92 (2.34)
	Follow-up survey	328	26.86 (2.23)	333	23.57 (2.43)
Canned pears	Baseline survey	328	18.52 (2.02)	333	24.34 (1.99)
	Follow-up survey	328	18.82 (2.04)	333	19.84 (2.33)
Grocery Store General (N=935)					
Canned bananas	Baseline survey	349	0.27 (0.27)	513	0.34 (0.24)
	Follow-up survey	349	0.00 (0.00)	513	0.00 (0.32)
Canned apples	Baseline survey	343	1.76 (0.66)	507	1.52 (0.56)
	Follow-up survey	343	3.68 (1.69)	507	1.58 (0.63)
Canned berries	Baseline survey	349	1.28 (0.57)	513	1.74 (0.57)
	Follow-up survey	349	0.87 (0.46)	513	0.87 (0.57)
Canned oranges	Baseline survey	343	4.65 (1.22)	507	4.43 (0.85)
	Follow-up survey	343	5.37 (1.67)	507	6.39 (1.18)
Canned melons	Baseline survey	349	0.80 (0.46)	513	1.00 (0.45)
	Follow-up survey	349	0.34 (0.33)	513	0.34 (0.34)
Canned grapes	Baseline survey	349	0.54 (0.38)	513	0.85 (0.39)
	Follow-up survey	349	0.65 (0.45)	513	0.65 (0.52)
Canned peaches	Baseline survey	343	28.13 (2.66)	507	28.14 (2.17)
	Follow-up survey	343	23.24 (2.76)	507	26.14 (1.85)
Canned pineapples	Baseline survey	343	24.90 (2.92)	507	28.47 (2.23)
	Follow-up survey	343	24.38 (2.59)	507	29.34 (1.69)
Canned pears	Baseline survey	343	17.78 (2.49)	507	22.66 (2.00)
	Follow-up survey	343	22.70 (2.63)	507	21.31 (1.88)

Table J-8. Unadjusted means of SNAP participant self-reported types of canned fruits purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Grocery Store Shoppers (N=454)					
Canned bananas	Baseline survey	111	0.81 (0.80)	310	0.35 (0.34)
	Follow-up survey	111	0.00 (0.00)	310	0.00 (0.00)
Canned apples	Baseline survey	111	2.43 (1.47)	310	1.54 (0.71)
	Follow-up survey	111	1.83 (1.08)	310	1.83 (0.97)
Canned berries	Baseline survey	111	2.46 (1.37)	310	1.20 (0.59)
	Follow-up survey	111	2.23 (1.33)	310	2.23 (0.81)
Canned oranges	Baseline survey	111	5.38 (2.16)	310	5.30 (1.08)
	Follow-up survey	111	4.34 (2.00)	310	4.34 (1.78)
Canned melons	Baseline survey	111	0.81 (0.80)	310	0.66 (0.48)
	Follow-up survey	111	0.00 (0.00)	310	0.00 (0.25)
Canned grapes	Baseline survey	111	1.62 (1.13)	310	0.58 (0.41)
	Follow-up survey	111	1.00 (0.97)	310	1.00 (0.48)
Canned peaches	Baseline survey	111	35.03 (4.73)	310	31.42 (2.90)
	Follow-up survey	111	27.92 (4.78)	310	27.92 (2.47)
Canned pineapples	Baseline survey	109	32.17 (4.79)	308	32.10 (3.38)
	Follow-up survey	109	24.74 (4.34)	308	32.19 (2.74)
Canned pears	Baseline survey	111	22.91 (4.32)	310	26.08 (2.74)
	Follow-up survey	111	21.15 (4.53)	310	21.15 (2.36)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-9. Unadjusted means of SNAP participant self-reported types of canned vegetables purchased in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Canned potatoes	Baseline survey	398	3.16 (0.88)	376	3.52 (0.90)
	Follow-up survey	398	3.78 (0.83)	376	3.78 (0.95)
Canned lettuce/leafy salad greens	Baseline survey	398	0.00 (0.00)	376	1.49 (0.82)
	Follow-up survey	398	1.20 (0.72)	376	1.20 (0.48)
Canned onions	Baseline survey	398	0.00 (0.00)	376	0.58 (0.41)
	Follow-up survey	398	0.50 (0.36)	376	0.50 (0.35)
Canned tomatoes	Baseline survey	388	13.98 (1.65)	371	17.97 (2.08)
	Follow-up survey	388	10000 (1.66)	371	15.03 (2.11)
Canned carrots	Baseline survey	388	11.17 (1.62)	371	8.85 (1.57)
	Follow-up survey	388	13.45 (1.67)	371	8.27 (1.60)
Canned green beans	Baseline survey	388	42.55 (2.79)	371	43.34 (2.68)
	Follow-up survey	388	39.31 (2.54)	371	37.26 (2.40)
Canned peppers	Baseline survey	398	2.78 (1.01)	376	3.98 (0.89)
	Follow-up survey	398	4.66 (1.30)	376	4.66 (1.16)
Canned legumes/shelled beans	Baseline survey	388	13.96 (1.84)	371	16.23 (1.89)
	Follow-up survey	388	12.09 (1.61)	371	15.93 (2.15)
Canned broccoll	Baseline survey	398	0.38 (0.37)	376	1.04 (0.52)
	Follow-up survey	398	0.72 (0.55)	376	0.72 (0.00)
Farmers Market Shoppers (N=703)					
Canned potatoes	Baseline survey	329	2.05 (0.73)	332	4.70 (1.11)
	Follow-up survey	329	5.77 (1.24)	332	5.09 (1.25)
Canned lettuce/leafy salad greens	Baseline survey	332	0.00 (0.00)	336	0.59 (0.42)
	Follow-up survey	332	1.27 (0.52)	336	1.27 (0.31)
Canned onions	Baseline survey	332	0.19 (0.19)	336	0.29 (0.29)
	Follow-up survey	332	0.75 (0.74)	336	0.75 (0.00)
Canned tomatoes	Baseline survey	329	19.43 (2.28)	332	23.05 (2.42)
	Follow-up survey	329	19.29 (2.06)	332	19.60 (2.51)
Canned carrots	Baseline survey	329	9.70 (1.86)	332	10.22 (1.83)
	Follow-up survey	329	11.36 (1.66)	332	11.63 (1.99)

Table J-9. Unadjusted means of SNAP participant self-reported types of canned vegetables purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Canned green beans	Baseline survey	329	34.00 (2.87)	332	45.37 (3.19)
	Follow-up survey	329	31.30 (2.33)	332	41.63 (3.35)
Canned peppers	Baseline survey	332	1.60 (0.76)	336	2.58 (0.88)
	Follow-up survey	332	2.56 (0.75)	336	2.56 (0.83)
Canned legumes/shelled beans	Baseline survey	329	17.72 (2.33)	332	16.75 (2.30)
	Follow-up survey	329	16.05 (1.96)	332	17.40 (2.15)
Canned broccoli	Baseline survey	332	0.40 (0.40)	336	0.33 (0.33)
	Follow-up survey	332	0.21 (0.21)	336	0.21 (0.56)
Grocery Store General (N=935)					
Canned potatoes	Baseline survey	349	3.02 (0.94)	509	7.13 (1.19)
	Follow-up survey	349	4.61 (1.35)	509	4.61 (1.26)
Canned lettuce/leafy salad greens	Baseline survey	349	0.63 (0.49)	509	0.54 (0.31)
	Follow-up survey	349	0.00 (0.00)	509	0.00 (0.41)
Canned onions	Baseline survey	349	0.90 (0.30)	509	0.60 (0.46)
	Follow-up survey	349	0.00 (0.00)	509	0.00 (0.58)
Canned tomatoes	Baseline survey	343	17.21 (2.38)	504	16.84 (1.68)
	Follow-up survey	343	13.80 (2.25)	504	16.31 (1.82)
Canned carrots	Baseline survey	343	13.13 (2.33)	504	18.15 (1.57)
	Follow-up survey	343	14.82 (2.03)	504	18.73 (1.90)
Canned green beans	Baseline survey	343	42.69 (3.11)	504	47.68 (2.57)
	Follow-up survey	343	36.71 (3.23)	504	49.57 (2.34)
Canned peppers	Baseline survey	349	1.67 (0.72)	509	2.24 (0.70)
	Follow-up survey	349	2.37 (0.84)	509	2.37 (0.67)
Canned legumes/shelled beans	Baseline survey	343	8.10 (1.85)	504	15.15 (1.54)
	Follow-up survey	343	6.33 (1.33)	504	16.24 (1.82)
Canned broccoli	Baseline survey	349	1.95 (1.20)	509	0.35 (0.23)
	Follow-up survey	349	0.20 (0.19)	509	0.20 (0.33)

Table J-9. Unadjusted means of SNAP participant self-reported types of canned vegetables purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Grocery Store Shoppers (N=454)					
Canned potatoes	Baseline survey	112	1.93 (1.40)	307	5.65 (1.22)
	Follow-up survey	112	3.34 (1.91)	307	3.34 (1.58)
Canned lettuce/leafy salad greens	Baseline survey	112	0.00 (0.00)	307	0.61 (0.43)
	Follow-up survey	112	0.00 (0.00)	307	0.00 (0.55)
Canned onions	Baseline survey	112	0.00 (0.00)	307	1.03 (0.78)
	Follow-up survey	112	0.00 (0.00)	307	0.00 (0.90)
Canned tomatoes	Baseline survey	112	15.62 (3.99)	307	17.25 (2.07)
	Follow-up survey	112	11.32 (4.10)	307	11.32 (2.33)
Canned carrots	Baseline survey	112	12.48 (2.94)	307	18.33 (1.72)
	Follow-up survey	112	25.04 (4.54)	307	25.04 (2.82)
Canned green beans	Baseline survey	110	44.66 (6.48)	306	50.61 (3.13)
	Follow-up survey	110	41.06 (6.23)	306	53.64 (2.80)
Canned peppers	Baseline survey	112	0.00 (0.00)	307	2.00 (0.80)
	Follow-up survey	112	1.15 (0.78)	307	1.15 (0.94)
Canned legumes/shelled beans	Baseline survey	110	8.39 (3.63)	306	17.79 (2.15)
	Follow-up survey	110	2.04 (1.26)	306	17.45 (2.38)
Canned broccoli	Baseline survey	112	3.76 (3.13)	307	0.59 (0.39)
	Follow-up survey	112	0.59 (0.58)	307	0.59 (0.33)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-10. Unadjusted means of SNAP participant self-reported types of dried fruits purchased in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Dried bananas	Baseline survey	395	1.16 (0.70)	377	1.50 (0.60)
	Follow-up survey	395	1.84 (0.78)	377	1.84 (0.94)
Dried apples	Baseline survey	395	0.16 (0.16)	377	0.57 (0.33)
	Follow-up survey	395	0.92 (0.58)	377	0.92 (0.82)
Dried berries	Baseline survey	395	1.10 (0.70)	377	2.98 (0.95)
	Follow-up survey	395	1.80 (0.74)	377	1.80 (0.90)
Dried oranges	Baseline survey	395	0.00 (0.00)	377	0.49 (0.34)
	Follow-up survey	395	0.15 (0.15)	377	0.15 (0.00)
Dried melons	Baseline survey	395	0.64 (0.49)	377	0.46 (0.32)
	Follow-up survey	395	0.15 (0.15)	377	0.15 (0.00)
Dried grapes	Baseline survey	395	0.46 (0.33)	377	1.42 (0.59)
	Follow-up survey	395	0.32 (0.22)	377	0.32 (0.33)
Dried peaches	Baseline survey	395	0.38 (0.37)	377	2.63 (0.92)
	Follow-up survey	395	0.73 (0.41)	377	0.73 (0.62)
Dried pineapples	Baseline survey	395	0.45 (0.44)	377	2.06 (0.82)
	Follow-up survey	395	0.00 (0.00)	377	0.00 (0.67)
Dried pears	Baseline survey	395	0.85 (0.49)	377	0.90 (0.50)
	Follow-up survey	395	0.00 (0.00)	377	0.00 (0.56)
Farmers Market Shoppers (N=703)					
Dried bananas	Baseline survey	331	1.61 (0.68)	337	0.18 (0.18)
	Follow-up survey	331	1.94 (0.90)	337	1.94 (0.53)
Dried apples	Baseline survey	331	1.44 (0.64)	337	1.73 (0.55)
	Follow-up survey	331	1.76 (0.76)	337	1.76 (0.58)
Dried berries	Baseline survey	331	3.58 (1.07)	337	2.32 (0.88)
	Follow-up survey	331	3.35 (0.86)	337	3.35 (0.73)
Dried oranges	Baseline survey	331	0.43 (0.42)	337	0.28 (0.28)
	Follow-up survey	331	0.00 (0.00)	337	0.00 (0.17)
Dried melons	Baseline survey	331	0.00 (0.00)	337	0.59 (0.58)
	Follow-up survey	331	0.00 (0.00)	337	0.00 (0.29)

Table J-10. Unadjusted means of SNAP participant self-reported types of dried fruits purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Dried grapes	Baseline survey	331	1.45 (0.82)	337	1.59 (0.72)
	Follow-up survey	331	1.68 (0.48)	337	1.68 (0.81)
Dried peaches	Baseline survey	331	1.45 (0.69)	337	0.25 (0.25)
	Follow-up survey	331	1.99 (0.57)	337	1.99 (0.54)
Dried pineapples	Baseline survey	331	2.82 (1.01)	337	1.14 (0.58)
	Follow-up survey	331	2.64 (0.95)	337	2.64 (0.75)
Dried pears	Baseline survey	331	0.94 (0.53)	337	0.36 (0.35)
	Follow-up survey	331	0.63 (0.45)	337	0.63 (0.17)
Grocery Store General (N=935)					
Dried bananas	Baseline survey	349	1.24 (0.64)	513	1.78 (0.58)
	Follow-up survey	349	0.21 (0.21)	513	0.21 (0.50)
Dried apples	Baseline survey	349	0.71 (0.41)	513	0.86 (0.52)
	Follow-up survey	349	0.61 (0.42)	513	0.61 (0.18)
Dried berries	Baseline survey	349	1.34 (0.62)	513	1.66 (0.60)
	Follow-up survey	349	0.44 (0.31)	513	0.44 (0.44)
Dried oranges	Baseline survey	349	0.00 (0.00)	513	0.46 (0.44)
	Follow-up survey	349	0.25 (0.24)	513	0.25 (0.00)
Dried melons	Baseline survey	349	0.00 (0.00)	513	0.27 (0.26)
	Follow-up survey	349	1.09 (0.60)	513	1.09 (0.00)
Dried grapes	Baseline survey	349	0.00 (0.00)	513	1.16 (0.48)
	Follow-up survey	349	1.07 (0.55)	513	1.07 (0.18)
Dried peaches	Baseline survey	349	0.17 (0.16)	513	0.57 (0.34)
	Follow-up survey	349	0.59 (0.44)	513	0.59 (0.48)
Dried pineapples	Baseline survey	349	0.77 (0.44)	513	1.57 (0.55)
	Follow-up survey	349	1.17 (0.53)	513	1.17 (0.69)
Dried pears	Baseline survey	349	0.00 (0.00)	513	0.45 (0.32)
	Follow-up survey	349	0.44 (0.44)	513	0.44 (0.47)

Table J-10. Unadjusted means of SNAP participant self-reported types of dried fruits purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Grocery Store Shoppers (N=454)					
Dried bananas	Baseline survey	111	0.61 (0.58)	310	1.83 (0.74)
	Follow-up survey	111	0.00 (0.00)	310	0.00 (0.56)
Dried apples	Baseline survey	111	1.36 (0.91)	310	0.69 (0.48)
	Follow-up survey	111	0.74 (0.72)	310	0.74 (0.31)
Dried berries	Baseline survey	111	2.49 (1.50)	310	1.54 (0.66)
	Follow-up survey	111	0.00 (0.00)	310	0.00 (0.00)
Dried oranges	Baseline survey	111	0.00 (0.00)	310	0.00 (0.00)
	Follow-up survey	111	0.74 (0.72)	310	0.74 (0.00)
Dried melons	Baseline survey	111	0.00 (0.00)	310	0.00 (0.00)
	Follow-up survey	111	0.74 (0.72)	310	0.74 (0.00)
Dried grapes	Baseline survey	111	0.00 (0.00)	310	1.22 (0.62)
	Follow-up survey	111	0.74 (0.72)	310	0.74 (0.00)
Dried peaches	Baseline survey	111	0.50 (0.49)	310	0.20 (0.19)
	Follow-up survey	111	0.00 (0.00)	310	0.00 (0.28)
Dried pineapples	Baseline survey	111	0.97 (0.96)	310	1.60 (0.71)
	Follow-up survey	111	0.74 (0.72)	310	0.74 (1.04)
Dried pears	Baseline survey	111	0.00 (0.00)	310	0.00 (0.00)
	Follow-up survey	111	0.00 (0.00)	310	0.00 (0.79)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-11. Unadjusted means of SNAP participant self-reported types of dried vegetables purchased in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Dried potatoes	Baseline survey	388	7.08 (1.39)	371	5.43 (1.30)
	Follow-up survey	388	6.41 (1.34)	371	7.50 (1.47)
Dried lettuce/leafy salad greens	Baseline survey	398	0.00 (0.00)	376	0.73 (0.42)
	Follow-up survey	398	0.15 (0.15)	376	0.15 (0.71)
Dried onions	Baseline survey	388	2.10 (0.75)	371	3.03 (0.92)
	Follow-up survey	388	2.69 (1.12)	371	2.74 (1.05)
Dried tomatoes	Baseline survey	398	0.00 (0.00)	376	1.48 (0.61)
	Follow-up survey	398	0.36 (0.25)	376	0.36 (0.74)
Dried carrots	Baseline survey	398	0.38 (0.27)	376	0.98 (0.50)
	Follow-up survey	398	0.44 (0.31)	376	0.44 (0.31)
Dried green beans	Baseline survey	398	0.43 (0.31)	376	1.99 (0.69)
	Follow-up survey	398	0.60 (0.42)	376	0.60 (0.40)
Dried peppers	Baseline survey	398	0.49 (0.28)	376	2.57 (0.85)
	Follow-up survey	398	2.09 (1.27)	376	2.09 (0.42)
Dried legumes/shelled beans	Baseline survey	388	9.81 (1.52)	371	12.47 (1.57)
	Follow-up survey	388	7.25 (1.45)	371	11.76 (1.81)
Dried broccoli	Baseline survey	398	0.16 (0.16)	376	1.64 (0.67)
	Follow-up survey	398	0.00 (0.00)	376	0.00 (0.45)
Farmers Market Shoppers (N=703)					
Dried potatoes	Baseline survey	332	5.52 (1.50)	336	6.05 (1.39)
	Follow-up survey	332	5.61 (1.30)	336	5.61 (1.57)
Dried lettuce/leafy salad greens	Baseline survey	332	0.00 (0.00)	336	0.00 (0.00)
	Follow-up survey	332	0.24 (0.23)	336	0.24 (0.00)
Dried onions	Baseline survey	332	3.02 (0.95)	336	2.03 (0.76)
	Follow-up survey	332	2.99 (0.76)	336	2.99 (1.01)
Dried tomatoes	Baseline survey	332	0.62 (0.43)	336	1.76 (0.83)
	Follow-up survey	332	1.10 (0.55)	336	1.10 (0.25)
Dried carrots	Baseline survey	332	0.00 (0.00)	336	0.33 (0.32)
	Follow-up survey	332	0.00 (0.00)	336	0.00 (0.30)

Table J-11. Unadjusted means of SNAP participant self-reported types of dried vegetables purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Dried green beans	Baseline survey	332	0.22 (0.22)	336	0.30 (0.30)
	Follow-up survey	332	0.00 (0.00)	336	0.00 (0.41)
Dried peppers	Baseline survey	332	2.06 (0.81)	336	2.04 (0.85)
	Follow-up survey	332	0.80 (0.55)	336	0.80 (0.54)
Dried legumes/shelled beans	Baseline survey	329	18.70 (2.09)	332	20.07 (2.43)
	Follow-up survey	329	14.82 (2.06)	332	15.23 (2.31)
Dried broccoli	Baseline survey	332	0.22 (0.22)	336	0.00 (0.00)
	Follow-up survey	332	0.89 (0.52)	336	0.89 (0.28)
Grocery Store General (N=935)					
Dried potatoes	Baseline survey	343	6.33 (1.59)	504	7.84 (1.14)
	Follow-up survey	343	7.35 (2.06)	504	6.46 (0.96)
Dried lettuce/leafy salad greens	Baseline survey	349	0.20 (0.20)	509	0.27 (0.26)
	Follow-up survey	349	0.55 (0.55)	509	0.55 (0.45)
Dried onions	Baseline survey	349	1.41 (0.86)	509	2.59 (0.73)
	Follow-up survey	349	2.67 (1.10)	509	2.67 (0.76)
Dried tomatoes	Baseline survey	349	0.00 (0.00)	509	0.56 (0.33)
	Follow-up survey	349	0.75 (0.58)	509	0.75 (0.27)
Dried carrots	Baseline survey	349	0.24 (0.24)	509	0.27 (0.26)
	Follow-up survey	349	0.55 (0.55)	509	0.55 (0.27)
Dried green beans	Baseline survey	349	0.25 (0.25)	509	0.54 (0.37)
	Follow-up survey	349	0.55 (0.55)	509	0.55 (0.33)
Dried peppers	Baseline survey	349	0.48 (0.27)	509	1.00 (0.55)
	Follow-up survey	349	1.37 (0.73)	509	1.37 (0.33)
Dried legumes/shelled beans	Baseline survey	343	11.85 (2.32)	504	11.41 (1.53)
	Follow-up survey	343	12.12 (2.90)	504	13.38 (1.47)
Dried broccoli	Baseline survey	349	0.26 (0.26)	509	0.69 (0.40)
	Follow-up survey	349	0.98 (0.68)	509	0.98 (0.31)

Table J-11. Unadjusted means of SNAP participant self-reported types of dried vegetables purchased in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Grocery Store Shoppers (N=454)					
Dried potatoes	Baseline survey	112	6.06 (2.35)	307	7.75 (1.22)
	Follow-up survey	112	4.92 (2.41)	307	4.92 (1.16)
Dried lettuce/leafy salad greens	Baseline survey	112	0.60 (0.60)	307	0.00 (0.00)
	Follow-up survey	112	1.66 (1.63)	307	1.66 (0.53)
Dried onions	Baseline survey	112	2.68 (2.06)	307	3.02 (0.87)
	Follow-up survey	112	5.04 (2.83)	307	5.04 (0.77)
Dried tomatoes	Baseline survey	112	0.00 (0.00)	307	0.23 (0.23)
	Follow-up survey	112	1.66 (1.63)	307	1.66 (0.00)
Dried carrots	Baseline survey	112	0.00 (0.00)	307	0.00 (0.00)
	Follow-up survey	112	1.66 (1.63)	307	1.66 (0.00)
Dried green beans	Baseline survey	112	0.00 (0.00)	307	0.46 (0.45)
	Follow-up survey	112	1.66 (1.63)	307	1.66 (0.32)
Dried peppers	Baseline survey	112	0.50 (0.49)	307	0.49 (0.34)
	Follow-up survey	112	2.15 (1.72)	307	2.15 (0.00)
Dried legumes/shelled beans	Baseline survey	110	13.20 (3.29)	306	12.54 (2.14)
	Follow-up survey	110	16.16 (4.46)	306	14.24 (2.46)
Dried broccoli	Baseline survey	112	0.00 (0.00)	307	0.71 (0.51)
	Follow-up survey	112	1.66 (1.63)	307	1.66 (0.00)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-12. Unadjusted means of number of types of fresh, frozen, canned, and dried fruits and vegetables purchased monthly, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (#)	n	Mean (#)
Farmers Market General (N=833)					
Number of types of fresh fruits & vegetables	Baseline survey	389	14.12 (0.28)	375	14.96 (0.32)
	Follow-up survey	389	14.71 (0.32)	375	15.21 (0.32)
Farmers Market Shoppers (N=703)					
Number of types of fresh fruits & vegetables	Baseline survey	331	15.15 (0.32)	334	15.13 (0.36)
	Follow-up survey	331	15.85 (0.28)	334	15.16 (0.32)
Grocery Store General (N=935)					
Number of types of fresh fruits & vegetables	Baseline survey	346	14.01 (0.25)	509	14.12 (0.25)
	Follow-up survey	346	14.33 (0.32)	509	14.75 (0.29)
Grocery Store Shoppers (N=454)					
Number of types of fresh fruits & vegetables	Baseline survey	111	14.32 (0.50)	309	14.24 (0.34)
	Follow-up survey	111	14.96 (0.57)	309	14.81 (0.36)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-13. Unadjusted means of SNAP participants' self-reported purchasing of fruits and vegetables once a week or more in the past month, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Any fruits or vegetables	Baseline survey	396	60.62 (3.24)	391	67.15 (2.34)
	Follow-up survey	396	65.99 (3.14)	391	65.59 (2.34)
Any fruits	Baseline survey	393	51.67 (3.21)	390	62.56 (2.20)
	Follow-up survey	393	60.22 (3.17)	390	61.01 (2.50)
Fresh fruits	Baseline survey	380	45.78 (2.98)	378	49.53 (2.62)
	Follow-up survey	380	53.32 (2.81)	378	53.31 (2.63)
Frozen fruits	Baseline survey	329	9.35 (1.73)	336	15.08 (1.87)
	Follow-up survey	329	15.64 (2.17)	336	11.18 (1.88)
Canned fruits	Baseline survey	332	17.85 (2.51)	346	18.63 (2.21)
	Follow-up survey	332	16.30 (2.06)	346	16.02 (2.18)
Dried fruits	Baseline survey	317	7.30 (1.48)	337	8.71 (1.64)
	Follow-up survey	317	7.81 (1.47)	337	7.81 (1.79)
100% fruit juice	Baseline survey	337	29.32 (2.73)	347	36.97 (2.78)
	Follow-up survey	337	29.67 (2.64)	347	35.08 (2.74)
Any vegetables	Baseline survey	385	53.45 (3.17)	386	56.05 (2.37)
	Follow-up survey	385	58.31 (2.96)	386	56.55 (2.51)
Fresh vegetables	Baseline survey	358	44.66 (3.43)	361	51.65 (2.79)
	Follow-up survey	358	51.19 (3.35)	361	52.52 (2.50)
Frozen vegetables	Baseline survey	355	21.76 (2.63)	356	22.11 (2.10)
	Follow-up survey	355	22.73 (2.34)	356	25.46 (2.28)
Canned vegetables	Baseline survey	347	20.77 (2.65)	357	22.01 (1.85)
	Follow-up survey	347	21.15 (2.21)	357	21.80 (2.15)
Dried vegetables	Baseline survey	347	10.24 (1.33)	338	7.91 (1.59)
	Follow-up survey	347	10.78 (1.64)	338	8.69 (1.92)
Farmers Market Shoppers (N=703)					
Any fruits or vegetables	Baseline survey	334	71.78 (2.32)	340	70.14 (2.50)
	Follow-up survey	334	76.36 (2.19)	340	73.89 (2.24)
Any fruits	Baseline survey	332	64.89 (2.43)	339	63.15 (2.89)
	Follow-up survey	332	70.77 (2.31)	339	67.84 (2.13)

Table J-13. Unadjusted means of SNAP participants' self-reported purchasing of fruits and vegetables once a week or more in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Fresh fruits	Baseline survey	328	60.53 (2.30)	333	56.64 (2.71)
	Follow-up survey	328	64.59 (2.66)	333	62.32 (2.50)
Frozen fruits	Baseline survey	284	10.74 (1.96)	307	10.36 (1.74)
	Follow-up survey	284	6.95 (1.42)	307	6.95 (1.43)
Canned fruits	Baseline survey	290	13.77 (2.60)	307	14.95 (1.96)
	Follow-up survey	290	11.26 (2.02)	307	13.13 (1.88)
Dried fruits	Baseline survey	279	7.21 (1.85)	288	6.14 (1.15)
	Follow-up survey	279	4.76 (1.33)	288	5.77 (1.51)
100% fruit juice	Baseline survey	288	27.69 (2.99)	304	28.88 (2.69)
	Follow-up survey	288	23.52 (2.94)	304	26.89 (2.47)
Any vegetables	Baseline survey	330	64.43 (2.28)	337	60.17 (2.44)
	Follow-up survey	330	69.56 (2.45)	337	61.78 (2.87)
Fresh vegetables	Baseline survey	314	61.13 (2.42)	313	59.19 (2.52)
	Follow-up survey	314	66.68 (2.59)	313	58.92 (2.92)
Frozen vegetables	Baseline survey	300	17.99 (2.23)	302	22.96 (2.61)
	Follow-up survey	300	18.43 (2.18)	302	16.21 (2.29)
Canned vegetables	Baseline survey	295	17.82 (2.44)	307	21.94 (2.54)
	Follow-up survey	295	15.90 (2.06)	307	17.03 (2.56)
Dried vegetables	Baseline survey	286	5.63 (1.50)	307	6.42 (1.26)
	Follow-up survey	286	5.07 (1.48)	307	5.07 (1.28)
Grocery Store General (N=935)					
Any fruits or vegetables	Baseline survey	369	57.42 (3.10)	527	54.73 (2.55)
	Follow-up survey	369	59.98 (2.74)	527	60.23 (2.23)
Any fruits	Baseline survey	368	51.53 (2.97)	525	50.36 (2.67)
	Follow-up survey	368	55.81 (3.07)	525	53.71 (2.21)
Fresh fruits	Baseline survey	361	40.51 (3.04)	509	43.41 (2.67)
	Follow-up survey	361	47.74 (3.09)	509	45.91 (2.09)
Frozen fruits	Baseline survey	308	12.37 (2.43)	446	9.86 (1.36)
	Follow-up survey	308	13.22 (2.20)	446	12.64 (1.37)

Table J-13. Unadjusted means of SNAP participants' self-reported purchasing of fruits and vegetables once a week or more in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Canned fruits	Baseline survey	319	19.41 (2.73)	470	13.85 (1.50)
	Follow-up survey	319	14.91 (2.12)	470	18.20 (1.96)
Dried fruits	Baseline survey	282	6.70 (1.52)	435	5.59 (1.19)
	Follow-up survey	282	4.65 (1.42)	435	7.43 (1.48)
100% fruit juice	Baseline survey	307	32.45 (3.26)	460	29.74 (2.44)
	Follow-up survey	307	28.61 (2.62)	460	28.84 (1.98)
Any vegetables	Baseline survey	362	46.95 (3.13)	519	47.47 (2.75)
	Follow-up survey	362	50.99 (3.16)	519	52.65 (2.37)
Fresh vegetables	Baseline survey	338	43.09 (3.17)	490	43.07 (2.90)
	Follow-up survey	338	49.71 (3.34)	490	45.62 (2.37)
Frozen vegetables	Baseline survey	324	20.91 (2.48)	471	22.16 (2.00)
	Follow-up survey	324	20.07 (2.53)	471	23.02 (1.79)
Canned vegetables	Baseline survey	330	20.69 (2.76)	479	22.45 (1.59)
	Follow-up survey	330	22.46 (2.88)	479	22.38 (1.72)
Dried vegetables	Baseline survey	309	10.37 (1.95)	463	6.33 (1.21)
	Follow-up survey	309	14.15 (2.30)	463	9.31 (1.54)
Grocery Store Shoppers (N=454)					
Any fruits or vegetables	Baseline survey	120	57.02 (5.67)	318	55.17 (2.86)
	Follow-up survey	120	58.30 (5.08)	318	60.67 (2.76)
Any fruits	Baseline survey	119	50.34 (5.54)	316	49.26 (2.90)
	Follow-up survey	119	54.63 (5.26)	316	53.66 (2.83)
Fresh fruits	Baseline survey	115	34.47 (4.49)	308	43.22 (3.09)
	Follow-up survey	115	46.47 (5.51)	308	45.79 (3.02)
Frozen fruits	Baseline survey	102	11.23 (3.71)	272	10.98 (2.00)
	Follow-up survey	102	17.13 (4.58)	272	11.66 (1.69)
Canned fruits	Baseline survey	107	21.58 (4.29)	281	13.47 (2.29)
	Follow-up survey	107	12.08 (4.00)	281	17.19 (2.67)
Dried fruits	Baseline survey	89	7.46 (2.75)	269	6.39 (1.76)
	Follow-up survey	89	5.16 (2.11)	269	7.47 (1.90)

Table J-13. Unadjusted means of SNAP participants' self-reported purchasing of fruits and vegetables once a week or more in the past month, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
100% fruit juice	Baseline survey	95	36.02 (6.13)	278	27.24 (2.83)
	Follow-up survey	95	33.57 (5.45)	278	27.71 (2.68)
Any vegetables	Baseline survey	120	48.08 (5.86)	316	48.45 (3.17)
	Follow-up survey	120	46.09 (4.73)	316	52.93 (3.13)
Fresh vegetables	Baseline survey	108	43.24 (5.56)	301	44.04 (3.50)
	Follow-up survey	108	44.68 (5.22)	301	47.49 (3.12)
Frozen vegetables	Baseline survey	106	24.86 (5.90)	283	23.45 (2.66)
	Follow-up survey	106	17.68 (3.92)	283	19.86 (2.27)
Canned vegetables	Baseline survey	107	18.89 (4.26)	292	21.59 (2.33)
	Follow-up survey	107	17.90 (4.49)	292	21.85 (2.43)
Dried vegetables	Baseline survey	97	11.98 (3.44)	287	6.13 (1.43)
	Follow-up survey	97	16.15 (3.97)	287	9.02 (2.02)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-14. Unadjusted means of daily cup equivalents of fruit and vegetable consumption, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (cups)	n	Mean (cups)
Farmers Market General (N=833)					
Fruit & vegetable consumption – excluding fried potatoes	Baseline survey	380	1.78 (0.06)	373	1.95 (0.06)
	Follow-up survey	380	1.78 (0.06)	373	1.91 (0.05)
Fruit consumption	Baseline survey	355	0.88 (0.05)	346	0.98 (0.05)
	Follow-up survey	355	0.94 (0.05)	346	0.97 (0.04)
Fruit consumption – excluding juice	Baseline survey	321	0.50 (0.03)	309	0.53 (0.03)
	Follow-up survey	321	0.51 (0.03)	309	0.60 (0.03)
Vegetable consumption – excluding fried potatoes	Baseline survey	377	0.93 (0.03)	369	1.01 (0.04)
	Follow-up survey	377	0.89 (0.04)	369	0.98 (0.03)
Farmers Market Shoppers (N=703)					
Fruit & vegetable consumption – excluding fried potatoes	Baseline survey	320	2.34 (0.08)	315	1.99 (0.05)
	Follow-up survey	320	2.12 (0.08)	315	1.91 (0.07)
Fruit consumption	Baseline survey	297	1.02 (0.05)	291	0.99 (0.04)
	Follow-up survey	297	0.94 (0.05)	291	0.91 (0.04)
Fruit consumption – excluding juice	Baseline survey	270	0.61 (0.03)	261	0.56 (0.03)
	Follow-up survey	270	0.61 (0.04)	261	0.53 (0.04)
Vegetable consumption – excluding fried potatoes	Baseline survey	320	1.33 (0.05)	313	1.03 (0.04)
	Follow-up survey	320	1.23 (0.05)	313	1.03 (0.04)
Grocery Store General (N=935)					
Fruit & vegetable consumption – excluding fried potatoes	Baseline survey	348	2.07 (0.10)	502	1.86 (0.05)
	Follow-up survey	348	1.94 (0.08)	502	1.76 (0.05)
Fruit consumption	Baseline survey	321	1.08 (0.08)	474	0.94 (0.04)
	Follow-up survey	321	0.93 (0.05)	474	0.90 (0.03)
Fruit consumption – excluding juice	Baseline survey	290	0.54 (0.04)	438	0.52 (0.03)
	Follow-up survey	290	0.51 (0.03)	438	0.50 (0.03)
Vegetable consumption – excluding fried potatoes	Baseline survey	345	0.98 (0.05)	497	0.97 (0.02)
	Follow-up survey	345	1.06 (0.06)	497	0.90 (0.03)

Table J-14. Unadjusted means of daily cup equivalents of fruit and vegetable consumption, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (cups)	n	Mean (cups)
Grocery Store Shoppers (N=454)					
Fruit & vegetable consumption – excluding fried potatoes	Baseline survey	113	2.34 (0.19)	306	1.88 (0.05)
	Follow-up survey	113	2.06 (0.13)	306	1.82 (0.06)
Fruit consumption	Baseline survey	96	1.24 (0.14)	290	0.89 (0.04)
	Follow-up survey	96	0.92 (0.09)	290	0.92 (0.04)
Fruit consumption – excluding juice	Baseline survey	90	0.60 (0.08)	265	0.51 (0.04)
	Follow-up survey	90	0.46 (0.05)	265	0.50 (0.03)
Vegetable consumption – excluding fried potatoes	Baseline survey	113	1.05 (0.09)	305	1.02 (0.03)
	Follow-up survey	113	1.25 (0.08)	305	0.93 (0.03)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-15. Unadjusted means of fruit and vegetable preferences, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
I enjoy trying new foods (% agree)	Baseline survey	406	69.20 (2.52)	399	69.75 (2.58)
	Follow-up survey	406	72.12 (2.37)	399	70.12 (2.05)
I enjoy trying new fruits (% agree)	Baseline survey	406	68.61 (2.65)	399	73.14 (2.59)
	Follow-up survey	406	70.66 (2.25)	399	68.60 (2.54)
I enjoy trying new vegetables (% agree)	Baseline survey	406	62.22 (2.77)	399	66.52 (2.64)
	Follow-up survey	406	66.53 (2.67)	399	63.22 (2.34)
I eat enough fruits to keep me healthy (% agree)	Baseline survey	406	66.97 (2.50)	399	71.96 (2.34)
	Follow-up survey	406	66.07 (2.55)	399	68.93 (2.01)
I eat enough vegetables to keep me healthy (% agree)	Baseline survey	406	69.28 (2.49)	399	72.97 (2.27)
	Follow-up survey	406	65.95 (2.28)	399	71.12 (2.01)
I encourage my family to eat fruits and vegetables (% agree)	Baseline survey	406	73.02 (2.63)	399	75.26 (2.36)
	Follow-up survey	406	73.14 (2.02)	399	73.19 (1.95)
I encourage my friends to eat fruits and vegetables (% agree)	Baseline survey	406	60.05 (2.54)	399	64.70 (2.25)
	Follow-up survey	406	64.06 (2.30)	399	60.25 (2.47)
Farmers Market Shoppers (N=703)					
I enjoy trying new foods (% agree)	Baseline survey	340	75.41 (2.26)	346	81.01 (1.96)
	Follow-up survey	340	76.39 (2.55)	346	75.34 (2.01)
I enjoy trying new fruits (% agree)	Baseline survey	340	75.83 (2.05)	346	81.17 (1.80)
	Follow-up survey	340	77.12 (2.59)	346	76.68 (1.94)
I enjoy trying new vegetables (% agree)	Baseline survey	340	71.90 (2.39)	346	76.94 (1.97)
	Follow-up survey	340	73.78 (2.23)	346	69.96 (2.82)
I eat enough fruits to keep me healthy (% agree)	Baseline survey	340	66.44 (2.18)	346	67.05 (2.45)
	Follow-up survey	340	70.88 (2.49)	346	67.30 (2.49)
I eat enough vegetables to keep me healthy (% agree)	Baseline survey	340	69.72 (2.33)	346	68.63 (2.53)
	Follow-up survey	340	71.50 (2.45)	346	67.59 (2.71)
I encourage my family to eat fruits and vegetables (% agree)	Baseline survey	340	71.51 (2.52)	346	73.59 (2.45)
	Follow-up survey	340	72.69 (2.56)	346	72.97 (2.30)

Table J-15. Unadjusted means of fruit and vegetable preferences, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
I encourage my friends to eat fruits and vegetables (% agree)	Baseline survey	340	61.55 (2.55)	346	63.51 (2.82)
	Follow-up survey	340	62.26 (2.57)	346	61.56 (2.77)
Grocery Store General (N=935)					
I enjoy trying new foods (% agree)	Baseline survey	373	65.65 (2.58)	538	73.94 (1.71)
	Follow-up survey	373	69.04 (2.70)	538	71.22 (1.96)
I enjoy trying new fruits (% agree)	Baseline survey	373	70.32 (3.05)	538	70.82 (2.00)
	Follow-up survey	373	71.75 (2.67)	538	69.86 (1.90)
I enjoy trying new vegetables (% agree)	Baseline survey	373	60.79 (2.66)	538	68.12 (1.91)
	Follow-up survey	373	63.89 (2.76)	538	66.71 (1.98)
I eat enough fruits to keep me healthy (% agree)	Baseline survey	373	66.20 (2.46)	538	64.48 (1.86)
	Follow-up survey	373	66.76 (3.08)	538	64.60 (1.92)
I eat enough vegetables to keep me healthy (% agree)	Baseline survey	373	67.40 (2.71)	538	68.09 (1.79)
	Follow-up survey	373	70.03 (3.12)	538	65.38 (1.76)
I encourage my family to eat fruits and vegetables (% agree)	Baseline survey	373	75.49 (2.38)	538	70.40 (1.59)
	Follow-up survey	373	74.10 (2.71)	538	66.63 (1.57)
I encourage my friends to eat fruits and vegetables (% agree)	Baseline survey	373	64.25 (2.98)	538	55.81 (1.64)
	Follow-up survey	373	67.09 (2.82)	538	52.30 (1.65)
Grocery Store Shoppers (N=454)					
I enjoy trying new foods (% agree)	Baseline survey	121	69.34 (5.20)	324	74.62 (1.60)
	Follow-up survey	121	69.63 (4.17)	324	69.87 (2.57)
I enjoy trying new fruits (% agree)	Baseline survey	121	73.34 (4.41)	324	71.07 (2.35)
	Follow-up survey	121	72.53 (4.14)	324	69.98 (2.58)
I enjoy trying new vegetables (% agree)	Baseline survey	121	58.63 (4.89)	324	68.80 (2.43)
	Follow-up survey	121	69.09 (4.05)	324	66.12 (2.84)
I eat enough fruits to keep me healthy (% agree)	Baseline survey	121	67.85 (4.93)	324	66.25 (2.51)
	Follow-up survey	121	65.56 (5.27)	324	65.39 (2.98)
I eat enough vegetables to keep me healthy (% agree)	Baseline survey	121	68.23 (5.12)	324	69.45 (2.37)
	Follow-up survey	121	66.83 (5.46)	324	65.94 (2.85)

Table J-15. Unadjusted means of fruit and vegetable preferences, by study group (continued)

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
I encourage my family to eat fruits and vegetables (% agree)	Baseline survey	121	71.06 (4.78)	324	71.43 (2.13)
	Follow-up survey	121	73.14 (4.96)	324	68.25 (2.46)
I encourage my friends to eat fruits and vegetables (% agree)	Baseline survey	121	63.34 (4.92)	324	55.89 (2.50)
	Follow-up survey	121	67.11 (4.92)	324	53.42 (2.72)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

Table J-16. Unadjusted means of adult food security status, by study group

Outcome		Treatment group unadjusted mean		Comparison group unadjusted mean	
		n	Mean (%)	n	Mean (%)
Farmers Market General (N=833)					
Food security	Baseline survey	399	32.03 (2.41)	391	37.58 (2.48)
	Follow-up survey	399	35.19 (2.62)	391	44.77 (2.78)
Farmers Market Shoppers (N=703)					
Food security	Baseline survey	338	35.34 (2.54)	342	33.10 (2.51)
	Follow-up survey	338	37.74 (2.65)	342	34.42 (2.50)
Grocery Store General (N=935)					
Food security	Baseline survey	370	31.62 (2.84)	526	38.13 (2.47)
	Follow-up survey	370	34.06 (2.97)	526	41.16 (2.45)
Grocery Store Shoppers (N=454)					
Food security	Baseline survey	121	29.97 (4.62)	318	39.09 (2.92)
	Follow-up survey	121	26.96 (4.15)	318	40.17 (2.82)

Source: SNAP Participant Survey.

Notes: Standard errors in parentheses. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Summary observations (n) differ from sample sizes (N) due to item nonresponse.

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Appendix K

Outcome Models, Full Model Results

Appendix K.

Results of Outcome Regression Models

The FINI grant program is intended to increase fruit and vegetable purchases of SNAP participants by offering financial and non-financial incentives at the time of purchase. The tables in Appendix K show the results of the regression models used to estimate receipt and use of incentives and the impact of FINI on each primary and secondary outcome. The tables include coefficients from the regressions for all covariates included in the models. For a description of each covariate and the rationale for including each covariate in the models, see Chapter 2, Table 2-3.

The tables that display results for the two primary outcomes (Table K-2: Daily cup equivalents of fruit and vegetable consumption, excluding fried potatoes and Table K-6: Monthly household fruit and vegetable expenditures) include intent-to-treat (ITT) and the treatment-on-the-treated (TOT) estimates. The ITT analysis included all treatment group respondents, regardless of whether or not they received incentives, and the comparison group. The TOT analysis included only treatment group respondents who indicated that they received incentives, and the comparison group. TOT results should be treated with caution because there may be unobserved differences between SNAP participants who received incentives and SNAP participants in general that explain program impacts.

Sample sizes for each model differ due to item non-response; each table notes the sample size for the each analysis. In some cases, it was not possible to estimate a covariate due to small sample sizes and/or a lack of variation in the outcome. In these cases, the table presents a limited model (i.e., dropping the covariate or covariates), and the table identifies the covariate(s) not estimated with a dash.

The regression model results provide significance tests for each covariate, displayed below each coefficient in brackets [p-value]. The table indicates significant coefficients with a ** ($p < 0.05$) or a *** ($p < 0.01$). Coefficients significant at the $0.05 < p < 0.10$ are followed by *, indicating that the finding is not statistically significant at conventional levels but may be interpreted in the context of other significant findings as patterns.

Appendix K does not include tables for outcomes that did not have enough variation to estimate a treatment effect for any of the study groups. These outcomes include purchasing of less common

forms of fruits and vegetables that few, if any, SNAP participants reported purchasing on the follow-up survey. The forms and types of fruits and vegetables for which a treatment effect was not estimated included the following:

- Frozen bananas - Frozen apples - Frozen oranges - Frozen melons - Frozen grapes - Frozen peaches - Frozen pears - Frozen lettuce - Frozen tomatoes - Frozen peppers - Frozen legumes/ shelled beans	- Canned bananas - Canned berries - Canned melons - Canned grapes - Canned lettuce - Canned onions - Canned peppers - Canned broccoli	- Dried bananas - Dried apples - Dried berries - Dried oranges - Dried melons - Dried grapes - Dried peaches - Dried pineapples - Dried pears - Dried lettuce - Dried tomatoes - Dried carrots - Dried green beans - Dried peppers - Dried broccoli

Table K-1. Probability of self-reported receipt of incentives: SNAP participant follow-up survey, treatment group

	Farmers market general (n=421)	Farmers market shoppers (n=347)	Grocery store general (n=385)	Grocery store shoppers (n=125)
Number of sources heard about FINI	16.40** (7.61) [0.04]	30.62*** (3.12) [<0.01]	13.80*** (1.83) [<0.01]	18.68*** (4.22) [<0.01]
Months of FINI exposure	0.65 (0.77) [0.40]	0.20 (0.58) [0.73]	0.51 (0.50) [0.31]	0.70 (1.17) [0.55]
Distance to closest participating FINI retailer (miles) ^a	0.97 (0.96) [0.32]	-0.49 (1.12) [0.66]	-1.26 (0.99) [0.21]	<0.01 (4.14) [1.00]
Maximum daily incentive amount [$< \$20$, reference]				
\$20	14.32 (16.14) [0.38]	0.41 (82.62) [1.00]	- - -	- - -
>\$20	1.10 (7.46) [0.88]	6.32 (12.40) [0.61]	- - -	- - -
Retailer implemented SBIPs prior to FINI [retailer did not implement SBIPs prior to FINI, reference] ^{a,b}	-2.91 (5.87) [0.62]	-2.99 (4.08) [0.47]	-7.91* (4.14) [0.06]	-8.90 (7.81) [0.26]
Participant shopped at closest participating FINI retailer [participant did not shop at closest participating FINI retailer, reference]	7.80 (5.43) [0.16]	10.68* (5.64) [0.06]	5.99 (3.86) [0.13]	26.32*** (9.50) [0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	4.02 (7.05) [0.57]	0.20 (3.70) [0.96]	13.54*** (3.89) [<0.01]	18.63** (7.29) [0.01]
Don't know if matching amount(s) received	0.89 (6.93) [0.90]	-5.14 (12.35) [0.68]	5.28 (4.30) [0.22]	12.99 (10.00) [0.20]

Table K-1. Probability of self-reported receipt of incentives: SNAP participant follow-up survey, treatment group (continued)

	Farmers market general (n=421)	Farmers market shoppers (n=347)	Grocery store general (n=385)	Grocery store shoppers (n=125)
Health status [fair/poor, reference]^a				
Very good/excellent	2.90 (10.44) [0.78]	5.30 (6.00) [0.38]	4.00 (4.21) [0.35]	16.57* (9.63) [0.09]
Good	2.76 (9.09) [0.76]	0.46 (4.53) [0.92]	3.80 (4.55) [0.41]	3.88 (8.68) [0.66]
Gender [male, reference]^a				
Female	5.89 (4.16) [0.16]	0.34 (4.56) [0.94]	-1.19 (4.52) [0.79]	- - -
Marital status [never married, reference]^a				
Married	-1.41 (9.45) [0.88]	-0.30 (7.94) [0.97]	13.60** (5.81) [0.02]	- - -
Widowed/divorced/separated	-5.85 (5.05) [0.25]	1.39 (4.28) [0.75]	3.70 (4.62) [0.43]	- - -
Age group [18-39 years old, reference]^a				
40-60 years old	7.13 (7.91) [0.37]	-3.55 (3.77) [0.35]	-3.20 (4.55) [0.48]	- - -
60 or older	14.03 (20.94) [0.51]	9.76 (8.94) [0.28]	-3.06 (8.66) [0.73]	- - -
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-1.96 (5.73) [0.73]	-5.25 (6.77) [0.44]	12.45** (5.49) [0.03]	- - -
Hispanic	-4.76 (7.16) [0.51]	5.16 (5.89) [0.39]	18.93** (9.13) [0.04]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	2.36 (8.89) [0.79]	0.13 (5.14) [0.98]	7.81** (3.72) [0.04]	- - -

Table K-1. Probability of self-reported receipt of incentives: SNAP participant follow-up survey, treatment group (continued)

	Farmers market general (n=421)	Farmers market shoppers (n=347)	Grocery store general (n=385)	Grocery store shoppers (n=125)
Education level [less than high school, reference] ^a				
High school	-1.76 (6.60) [0.79]	-9.25 (7.41) [0.22]	-8.73* (4.78) [0.07]	- - -
Some college/associate's degree	-4.98 (5.56) [0.37]	-3.22 (6.44) [0.62]	-2.39 (7.11) [0.74]	- - -
College graduate or above	2.63 (8.78) [0.77]	0.86 (6.41) [0.89]	-7.44 (8.33) [0.38]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	6.36 (8.04) [0.43]	1.76 (7.49) [0.81]	-11.60 (8.07) [0.16]	- - -
Household size ^a	-2.59 (3.36) [0.44]	2.12 (3.05) [0.49]	2.46 (1.47) [0.10]	- - -
Children present in household [no children present in household, reference] ^a	4.02 (9.01) [0.66]	-9.93* (5.77) [0.09]	-8.70 (6.16) [0.16]	- - -
Elderly present in household [no elderly present in household, reference] ^a	-2.20 (20.61) [0.92]	-15.27 (10.34) [0.15]	-5.45 (6.82) [0.43]	- - -
Percentage of local area receiving SNAP ^a	0.16 (0.16) [0.32]	0.19 (0.17) [0.27]	-0.02 (0.19) [0.93]	0.23 (0.49) [0.65]
County-level adult obesity rate, 2013 ^a	-0.24 (0.95) [0.80]	-1.45** (0.72) [0.05]	-0.18 (1.17) [0.88]	-0.90 (3.03) [0.77]
Living in urban area [living in rural area, reference] ^a	8.06*** (2.34) [<0.01]	-9.79* (5.72) [0.09]	-22.64** (11.30) [0.05]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-13.83 (18.79) [0.46]	17.10 (79.33) [0.83]	- - -	- - -
Mountain Plains	-4.76 (5.81) [0.42]	10.49 (10.50) [0.32]	- - -	- - -
Northeast	-1.47 (8.41) [0.86]	-12.91 (10.55) [0.23]	- - -	- - -

Table K-1. Probability of self-reported receipt of incentives: SNAP participant follow-up survey, treatment group (continued)

	Farmers market general (n=421)	Farmers market shoppers (n=347)	Grocery store general (n=385)	Grocery store shoppers (n=125)
Southeast	-18.41 (19.63) [0.35]	-6.62 (78.89) [0.93]	- - -	- - -
Southwest	- - -	-1.45 (6.70) [0.83]	- - -	- - -
West	-8.42 (14.31) [0.56]	-1.60 (11.22) [0.89]	- - -	- - -
Observations	339	311	348	112

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of participation. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Due to the small sample and limited statistical power, the Grocery Store Shoppers group model had several more covariates omitted from it as compared to the Grocery Store General group model. The size of the groups (e.g., Farmers Market General) are only those respondents assigned to the treatment group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-2. Daily cup equivalent of fruit and vegetable consumption, excluding fried potatoes

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Treatment	-0.07 (0.08) [0.35]	-0.24 (0.17) [0.16]	0.07 (0.11) [0.51]	0.30* (0.16) [0.07]	0.09 (0.10) [0.37]	0.25 (0.18) [0.18]	0.11 (0.14) [0.44]	0.19 (0.25) [0.45]
Outcome ^a	0.33*** (0.03) [<0.01]	0.35*** (0.04) [<0.01]	0.36*** (0.04) [<0.01]	0.36*** (0.04) [<0.01]	0.30*** (0.03) [<0.01]	0.32*** (0.04) [<0.01]	0.25*** (0.04) [<0.01]	0.34*** (0.05) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}								
Matching amount received at farmers market or grocery store	0.12 (0.11) [0.30]	0.10 (0.16) [0.52]	-0.07 (0.11) [0.51]	-0.10 (0.13) [0.44]	0.11 (0.13) [0.40]	0.07 (0.15) [0.62]	0.43** (0.21) [0.04]	0.29 (0.23) [0.22]
Don't know if matching amount(s) received	-0.18** (0.08) [0.02]	-0.11 (0.11) [0.32]	0.05 (0.13) [0.71]	0.02 (0.15) [0.91]	-0.09 (0.10) [0.37]	-0.12 (0.12) [0.31]	-0.02 (0.13) [0.91]	-0.05 (0.15) [0.75]
Health status [fair/poor, reference] ^a								
Very good/excellent	<0.01 (0.10) [0.97]	0.07 (0.15) [0.62]	0.28* (0.14) [0.05]	0.32* (0.17) [0.07]	<0.01 (0.10) [0.96]	-0.04 (0.15) [0.78]	0.09 (0.19) [0.65]	0.10 (0.21) [0.63]
Good	0.04 (0.09) [0.67]	0.07 (0.13) [0.61]	0.21* (0.11) [0.05]	0.22* (0.12) [0.08]	0.06 (0.09) [0.49]	0.04 (0.10) [0.69]	0.05 (0.09) [0.59]	0.10 (0.11) [0.40]

Table K-2. Daily cup equivalent of fruit and vegetable consumption, excluding fried potatoes (continued)

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Gender [male, reference] ^a								
Female	0.20** (0.08) [0.02]	0.26** (0.12) [0.03]	0.11 (0.10) [0.28]	0.13 (0.10) [0.17]	-0.02 (0.10) [0.86]	-0.11 (0.11) [0.32]	-0.12 (0.13) [0.39]	-0.07 (0.15) [0.66]
Marital status [never married, reference] ^a								
Married	0.27* (0.15) [0.08]	0.29 (0.19) [0.14]	-0.11 (0.17) [0.53]	-0.07 (0.21) [0.75]	0.16 (0.15) [0.29]	0.16 (0.16) [0.30]	0.22 (0.26) [0.39]	0.15 (0.19) [0.42]
Widowed/divorced/separated	0.09 (0.10) [0.38]	0.18 (0.14) [0.20]	-0.13 (0.11) [0.22]	-0.13 (0.12) [0.26]	-0.03 (0.10) [0.80]	0.07 (0.10) [0.50]	0.15 (0.12) [0.23]	0.11 (0.11) [0.33]
Age group [18-39 years old, reference] ^a								
40-60 years old	-0.17 (0.11) [0.13]	-0.01 (0.15) [0.93]	-0.03 (0.13) [0.85]	0.04 (0.14) [0.75]	0.05 (0.10) [0.61]	<-0.01 (0.14) [0.97]	-0.07 (0.15) [0.66]	0.05 (0.15) [0.75]
60 or older	-0.10 (0.17) [0.55]	-0.20 (0.24) [0.41]	0.19 (0.21) [0.37]	0.21 (0.24) [0.38]	0.29* (0.15) [0.06]	0.14 (0.20) [0.50]	0.31 (0.23) [0.19]	0.28 (0.25) [0.27]
Race/ethnicity [non-black & non-Hispanic, reference] ^a								
Black	0.11 (0.11) [0.30]	0.27* (0.16) [0.10]	-0.14 (0.21) [0.50]	-0.19 (0.27) [0.47]	0.28*** (0.09) [<0.01]	0.14 (0.12) [0.25]	0.34** (0.15) [0.02]	0.23 (0.16) [0.17]

Table K-2. Daily cup equivalent of fruit and vegetable consumption, excluding fried potatoes (continued)

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Hispanic	-0.05 (0.11) [0.69]	0.12 (0.17) [0.48]	-0.23 (0.15) [0.13]	-0.25 (0.16) [0.13]	-0.13 (0.20) [0.51]	-0.18 (0.19) [0.35]	-0.29 (0.23) [0.21]	-0.41 (0.27) [0.15]
Born outside the U.S. [not born outside the U.S., reference] ^a	0.06 (0.11) [0.61]	-0.01 (0.15) [0.97]	0.17 (0.17) [0.34]	0.12 (0.17) [0.50]	0.04 (0.14) [0.79]	0.12 (0.14) [0.38]	-0.14 (0.22) [0.53]	-0.05 (0.19) [0.81]
Education level [less than high school, reference] ^a								
High school	-0.06 (0.11) [0.61]	-0.03 (0.15) [0.83]	0.12 (0.17) [0.47]	-0.00 (0.19) [0.99]	0.03 (0.12) [0.79]	0.21 (0.13) [0.11]	0.13 (0.17) [0.44]	0.20 (0.18) [0.26]
Some college/associate's degree	0.01 (0.14) [0.94]	0.10 (0.19) [0.60]	0.17 (0.17) [0.33]	0.01 (0.20) [0.94]	0.06 (0.12) [0.59]	0.17 (0.14) [0.25]	0.22 (0.18) [0.23]	0.25 (0.20) [0.20]
College graduate or above	0.19 (0.19) [0.31]	0.19 (0.25) [0.44]	0.16 (0.19) [0.40]	0.01 (0.23) [0.95]	0.01 (0.20) [0.96]	0.03 (0.27) [0.91]	0.05 (0.44) [0.90]	0.30 (0.43) [0.49]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	0.04 (0.12) [0.78]	0.06 (0.15) [0.69]	0.26 (0.16) [0.11]	0.27 (0.19) [0.15]	0.09 (0.14) [0.54]	<0.01 (0.19) [0.98]	-0.05 (0.18) [0.79]	-0.21 (0.20) [0.29]
Distance to closest participating FINI retailer (miles) ^a	0.03 (0.02) [0.19]	0.02 (0.03) [0.45]	0.02 (0.03) [0.57]	0.04 (0.03) [0.24]	0.02 (0.02) [0.48]	<0.01 (0.03) [0.95]	-0.05 (0.03) [0.11]	-0.06* (0.03) [0.08]
Household size ^a	0.01 (0.04) [0.79]	-0.03 (0.05) [0.49]	-0.03 (0.05) [0.54]	-0.06 (0.06) [0.31]	0.01 (0.03) [0.88]	0.01 (0.05) [0.81]	0.05 (0.05) [0.33]	0.11 (0.07) [0.11]

Table K-2. Daily cup equivalent of fruit and vegetable consumption, excluding fried potatoes (continued)

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Children present in household [no children present in household, reference] ^a	-0.05 (0.11) [0.67]	-0.03 (0.16) [0.88]	0.13 (0.13) [0.33]	0.21 (0.16) [0.19]	0.16 (0.13) [0.25]	0.17 (0.17) [0.31]	0.16 (0.17) [0.36]	0.12 (0.22) [0.59]
Elderly present in household [no elderly present in household, reference] ^a	-0.15 (0.12) [0.19]	0.03 (0.16) [0.84]	0.04 (0.18) [0.84]	-0.05 (0.21) [0.79]	0.01 (0.13) [0.93]	-0.05 (0.15) [0.74]	-0.04 (0.21) [0.84]	-0.11 (0.22) [0.62]
Percentage of local area receiving SNAP ^a	<0.01 (<0.01) [0.50]	<0.01 (<0.01) [0.91]	<0.01 (<0.01) [0.78]	<0.01 (<0.01) [0.63]	-0.01* (<0.01) [0.09]	<-0.01 (<0.01) [0.36]	-0.01 (<0.01) [0.11]	-0.01* (<0.01) [0.06]
Living in urban area [living in rural area, reference] ^a	-0.05 (0.19) [0.78]	-0.07 (0.29) [0.81]	-0.33** (0.16) [0.04]	-0.15 (0.16) [0.36]	0.01 (0.15) [0.92]	0.02 (0.14) [0.88]	-0.01 (0.18) [0.95]	-0.01 (0.16) [0.95]
FNS region [Mid-Atlantic, reference] ^a								
Mid-West	-0.06 (0.13) [0.61]	0.19 (0.25) [0.44]	-0.07 (0.23) [0.77]	-0.22 (0.26) [0.39]	- - -	- - -	- - -	- - -
Mountain Plains	0.11 (0.21) [0.59]	-0.08 (0.22) [0.70]	0.10 (0.22) [0.65]	-0.04 (0.27) [0.87]	- - -	- - -	- - -	- - -
Northeast	0.07 (0.10) [0.50]	0.09 (0.14) [0.52]	0.06 (0.18) [0.75]	0.03 (0.20) [0.86]	- - -	- - -	- - -	- - -
Southeast	-0.05 (0.14) [0.71]	0.03 (0.15) [0.85]	0.22 (0.26) [0.42]	0.11 (0.29) [0.70]	- - -	- - -	- - -	- - -
Southwest	0.39* (0.21) [0.06]	0.24 (0.31) [0.44]	0.24 (0.24) [0.33]	0.01 (0.29) [0.97]	- - -	- - -	- - -	- - -

Table K-2. Daily cup equivalent of fruit and vegetable consumption, excluding fried potatoes (continued)

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
West	-0.06 (0.12) [0.64]	-0.02 (0.16) [0.88]	-0.01 (0.17) [0.95]	-0.10 (0.19) [0.62]	- - -	- - -	- - -	- - -
Observations	753	418	635	497	850	558	419	331

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Ordinary least squares (OLS) regression. Coefficients represent the cup difference in cups of fruit and vegetable consumption, excluding fried potatoes. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. ITT is the intent-to-treat model. TOT is the treatment-on-the-treated model. A smearing estimate based on Duan (1983) and Abrevaya (2002) is used for correct interpretation of coefficients from the Box-Cox transformations of the consumption and expenditure outcomes. Per the USDHHS National Cancer Institute (2016), consumption measures were set to missing if a respondent did not answer the frequency of consumption question for fruits or other vegetables. Per Millen et al. (2005), consumption variables were set to missing (i.e., trimmed) if above three times the interquartile range of the variable. For consumption measures, this involved trimming at each component of consumption. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-3. Daily cup equivalent of fruit consumption

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.02 (0.06) [0.79]	0.02 (0.08) [0.81]	-0.01 (0.06) [0.84]	-0.13 (0.10) [0.20]
Outcome^a	0.27*** (0.04) [<0.01]	0.30*** (0.04) [<0.01]	0.25*** (0.03) [<0.01]	0.25*** (0.05) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	-0.06 (0.09) [0.52]	-0.01 (0.07) [0.86]	0.02 (0.09) [0.87]	0.15 (0.16) [0.36]
Don't know if matching amount(s) received	-0.10* (0.06) [0.09]	0.13 (0.10) [0.18]	-0.13** (0.06) [0.05]	-0.12 (0.08) [0.16]
Health status [fair/poor, reference]^a				
Very good/excellent	0.11 (0.09) [0.26]	0.12 (0.10) [0.22]	0.10 (0.07) [0.13]	0.10 (0.13) [0.47]
Good	0.06 (0.07) [0.40]	0.15** (0.07) [0.05]	0.16** (0.07) [0.02]	0.10 (0.08) [0.24]
Gender [male, reference]^a				
Female	0.11 (0.07) [0.13]	-0.02 (0.09) [0.80]	-0.07 (0.07) [0.31]	-0.08 (0.09) [0.39]
Marital status [never married, reference]^a				
Married	0.22* (0.13) [0.09]	-0.03 (0.12) [0.78]	0.05 (0.10) [0.63]	0.02 (0.17) [0.93]
Widowed/divorced/separated	-0.03 (0.07) [0.64]	-0.03 (0.06) [0.67]	0.02 (0.07) [0.83]	0.11 (0.10) [0.28]
Age group [18-39 years old, reference]^a				

Table K-3. Daily cup equivalent of fruit consumption (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
40-60 years old	-0.14 (0.09) [0.11]	-0.06 (0.08) [0.45]	-0.06 (0.07) [0.42]	-0.09 (0.09) [0.36]
60 or older	0.02 (0.16) [0.89]	-0.01 (0.15) [0.96]	0.11 (0.12) [0.35]	0.11 (0.17) [0.52]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	0.18* (0.09) [0.06]	0.02 (0.13) [0.85]	0.22*** (0.06) [<0.01]	0.35*** (0.11) [<0.01]
Hispanic	0.05 (0.10) [0.62]	-0.15* (0.08) [0.06]	0.16 (0.14) [0.26]	0.15 (0.18) [0.41]
Born outside the U.S. [not born outside the U.S., reference] ^a	-0.03 (0.08) [0.68]	0.14 (0.12) [0.28]	0.09 (0.10) [0.34]	-0.03 (0.15) [0.83]
Education level [less than high school, reference] ^a				
High school	-0.19** (0.09) [0.03]	-0.11 (0.13) [0.42]	<0.01 (0.09) [0.99]	0.12 (0.11) [0.28]
Some college/associate's degree	-0.08 (0.10) [0.45]	-0.13 (0.13) [0.32]	-0.02 (0.09) [0.85]	0.18 (0.12) [0.16]
College graduate or above	0.04 (0.14) [0.79]	-0.15 (0.15) [0.32]	<0.01 (0.15) [0.99]	0.14 (0.35) [0.68]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-0.04 (0.09) [0.70]	0.15 (0.12) [0.22]	0.01 (0.11) [0.91]	-0.05 (0.12) [0.71]
Distance to closest participating FINI retailer (miles) ^a	0.01 (0.02) [0.59]	0.01 (0.02) [0.60]	0.01 (0.01) [0.57]	-0.02 (0.02) [0.27]
Household size ^a	-0.01 (0.03) [0.77]	-0.02 (0.04) [0.56]	0.02 (0.02) [0.26]	0.05 (0.04) [0.14]
Children present in household [no children present in household, reference] ^a	0.03 (0.09) [0.75]	0.06 (0.11) [0.60]	0.05 (0.10) [0.62]	0.02 (0.14) [0.87]
Elderly present in household [no elderly present in household, reference] ^a	-0.12 (0.10) [0.24]	0.08 (0.11) [0.49]	-0.02 (0.07) [0.75]	<0.01 (0.14) [0.98]

Table K-3. Daily cup equivalent of fruit consumption (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Percentage of local area receiving SNAP ^a	<0.01 (<0.01) [0.28]	<-0.01 (<0.01) [0.59]	<-0.01 (<0.01) [0.20]	<-0.01 (<0.01) [0.44]
Living in urban area [living in rural area, reference] ^a	-0.06 (0.13) [0.64]	-0.08 (0.12) [0.52]	0.07 (0.11) [0.53]	0.03 (0.12) [0.81]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	0.06 (0.10) [0.54]	0.12 (0.15) [0.42]	- - -	- - -
Mountain Plains	0.19 (0.16) [0.23]	0.14 (0.15) [0.34]	- - -	- - -
Northeast	0.09 (0.08) [0.21]	0.13 (0.12) [0.27]	- - -	- - -
Southeast	-0.09 (0.11) [0.44]	0.10 (0.14) [0.46]	- - -	- - -
Southwest	0.46** (0.22) [0.04]	0.25* (0.14) [0.08]	- - -	- - -
West	-0.01 (0.09) [0.93]	0.11 (0.11) [0.31]	- - -	- - -
Observations	701	588	795	386

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Ordinary least squares (OLS) regression. Coefficients represent the cup difference in cups of fruit consumption. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. A smearing estimate based on Duan (1983) and Abrevaya (2002) is used for correct interpretation of coefficients from the Box-Cox transformations of the consumption and expenditure outcomes. Per the USDHHS National Cancer Institute (2016), consumption measures were set to missing if a respondent did not answer the frequency of consumption question for fruits or other vegetables. Per Millen et al. (2005), consumption variables were set to missing (i.e., trimmed) if above three times the interquartile range of the variable. For consumption measures, this involved trimming at each component of consumption. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-4. Daily cup equivalent of fruit consumption, excluding juices

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.08** (0.04) [0.05]	0.02 (0.06) [0.77]	0.02 (0.04) [0.67]	-0.01 (0.06) [0.84]
Outcome^a	0.25*** (0.04) [<0.01]	0.34*** (0.05) [<0.01]	0.24*** (0.03) [<0.01]	0.19*** (0.04) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	-0.02 (0.06) [0.79]	-0.05 (0.04) [0.18]	<0.01 (0.06) [0.96]	0.08 (0.10) [0.40]
Don't know if matching amount(s) received	-0.03 (0.04) [0.51]	0.01 (0.06) [0.92]	-0.05 (0.03) [0.16]	-0.03 (0.05) [0.53]
Health status [fair/poor, reference]^a				
Very good/excellent	0.03 (0.05) [0.62]	0.05 (0.07) [0.44]	0.02 (0.05) [0.63]	0.08 (0.08) [0.33]
Good	0.06 (0.05) [0.20]	0.04 (0.05) [0.42]	0.03 (0.04) [0.45]	0.01 (0.04) [0.78]
Gender [male, reference]^a				
Female	0.10** (0.05) [0.03]	0.03 (0.06) [0.56]	0.01 (0.04) [0.90]	-0.03 (0.05) [0.60]
Marital status [never married, reference]^a				
Married	0.12 (0.08) [0.13]	0.04 (0.07) [0.56]	0.12* (0.06) [0.06]	0.02 (0.10) [0.83]
Widowed/divorced/separated	-0.07 (0.05) [0.17]	0.04 (0.05) [0.44]	0.02 (0.04) [0.65]	0.04 (0.07) [0.53]

Table K-4. Daily cup equivalent of fruit consumption, excluding juices (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-0.02 (0.05) [0.70]	-0.08 (0.07) [0.24]	-0.06 (0.04) [0.13]	-0.03 (0.05) [0.60]
60 or older	0.06 (0.10) [0.56]	0.01 (0.12) [0.93]	0.07 (0.07) [0.33]	0.05 (0.09) [0.58]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	0.12* (0.06) [0.05]	-0.06 (0.09) [0.51]	0.08** (0.04) [0.05]	0.13* (0.06) [0.06]
Hispanic	0.01 (0.05) [0.87]	-0.09 (0.05) [0.11]	-0.01 (0.06) [0.81]	-0.06 (0.07) [0.40]
Born outside the U.S. [not born outside the U.S., reference] ^a	0.03 (0.05) [0.64]	0.12 (0.08) [0.13]	0.05 (0.06) [0.37]	-0.01 (0.08) [0.88]
Education level [less than high school, reference]^a				
High school	-0.07 (0.06) [0.27]	-0.03 (0.09) [0.73]	0.01 (0.05) [0.80]	0.04 (0.07) [0.56]
Some college/associate's degree	0.02 (0.06) [0.75]	0.05 (0.09) [0.59]	-0.01 (0.06) [0.84]	0.05 (0.07) [0.44]
College graduate or above	0.16* (0.09) [0.09]	0.14 (0.11) [0.22]	<-0.01 (0.08) [0.97]	-0.02 (0.14) [0.88]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-0.09* (0.05) [0.09]	<0.01 (0.09) [0.97]	0.01 (0.06) [0.90]	0.10 (0.09) [0.26]
Distance to closest participating FINI retailer (miles) ^a	<0.01 (0.01) [0.79]	-0.02 (0.01) [0.23]	0.01 (0.01) [0.17]	-0.01 (0.01) [0.29]
Household size ^a	<0.01 (0.02) [0.85]	-0.02 (0.02) [0.49]	0.02 (0.02) [0.28]	0.04 (0.03) [0.12]
Children present in household [no children present in household, reference] ^a	0.02 (0.05) [0.73]	0.04 (0.07) [0.59]	-0.02 (0.06) [0.69]	0.01 (0.08) [0.93]

Table K-4. Daily cup equivalent of fruit consumption, excluding juices (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-0.06 (0.07) [0.45]	<-0.01 (0.07) [0.97]	0.03 (0.04) [0.52]	0.13 (0.08) [0.11]
Percentage of local area receiving SNAP ^a	<0.01 (<0.01) [0.87]	<-0.01 (<0.01) [0.51]	<-0.01 (<0.01) [0.15]	<-0.01* (<0.01) [0.06]
Living in urban area [living in rural area, reference] ^a	-0.02 (0.09) [0.84]	-0.04 (0.10) [0.69]	0.04 (0.06) [0.52]	-0.04 (0.06) [0.57]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	0.05 (0.08) [0.52]	0.08 (0.09) [0.38]	- - -	- - -
Mountain Plains	0.10 (0.10) [0.29]	-0.03 (0.09) [0.78]	- - -	- - -
Northeast	0.10** (0.05) [0.04]	0.05 (0.06) [0.43]	- - -	- - -
Southeast	-0.04 (0.07) [0.53]	0.05 (0.13) [0.74]	- - -	- - -
Southwest	0.11* (0.06) [0.09]	0.11 (0.08) [0.19]	- - -	- - -
West	0.06 (0.05) [0.26]	0.09 (0.07) [0.19]	- - -	- - -
Observations	630	531	728	355

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Ordinary least squares (OLS) regression. Coefficients represent the cup difference in cups of fruit consumption, excluding 100 percent fruit juice. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. A smearing estimate based on Duan (1983) and Abrevaya (2002) is used for correct interpretation of coefficients from the Box-Cox transformations of the consumption and expenditure outcomes. Per the USDHHS National Cancer Institute (2016), consumption measures were set to missing if a respondent did not answer the frequency of consumption question for fruits or other vegetables. Per Millen et al. (2005), consumption variables were set to missing (i.e., trimmed) if above three times the interquartile range of the variable. For consumption measures, this involved trimming at each component of consumption. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-5. Daily vegetable cup-equivalent consumption

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.07* (0.04) [0.09]	0.03 (0.08) [0.67]	0.11 (0.07) [0.12]	0.33*** (0.09) [<0.01]
Outcome ^a	0.31*** (0.04) [<0.01]	0.36*** (0.04) [<0.01]	0.33*** (0.04) [<0.01]	0.31*** (0.05) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	0.19** (0.09) [0.04]	-0.11 (0.08) [0.20]	0.07 (0.10) [0.50]	0.19* (0.11) [0.09]
Don't know if matching amount(s) received	-0.06 (0.04) [0.18]	-0.05 (0.09) [0.55]	<-0.01 (0.07) [0.99]	0.01 (0.09) [0.86]
Health status [fair/poor, reference] ^a				
Very good/excellent	-0.05 (0.06) [0.40]	0.21** (0.09) [0.02]	-0.09 (0.08) [0.23]	-0.02 (0.10) [0.81]
Good	<-0.01 (0.06) [0.99]	0.15** (0.06) [0.03]	-0.06 (0.06) [0.34]	0.01 (0.07) [0.87]
Gender [male, reference] ^a				
Female	0.06 (0.05) [0.16]	0.04 (0.07) [0.55]	-0.03 (0.05) [0.60]	-0.12 (0.09) [0.19]
Marital status [never married, reference] ^a				
Married	0.10 (0.08) [0.23]	-0.05 (0.10) [0.62]	0.07 (0.11) [0.53]	0.25 (0.20) [0.20]
Widowed/divorced/separated	0.10* (0.06) [0.09]	-0.06 (0.08) [0.49]	-0.03 (0.06) [0.59]	0.07 (0.08) [0.35]

Table K-5. Daily vegetable cup-equivalent consumption (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-0.02 (0.07) [0.75]	0.04 (0.10) [0.73]	0.10 (0.06) [0.12]	-0.04 (0.10) [0.69]
60 or older	<-0.01 (0.11) [0.99]	0.25 (0.21) [0.23]	0.22** (0.11) [0.05]	0.22 (0.15) [0.16]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	0.03 (0.07) [0.65]	-0.08 (0.15) [0.59]	0.10* (0.05) [0.08]	0.05 (0.10) [0.61]
Hispanic	<-0.01 (0.06) [0.98]	-0.14 (0.09) [0.14]	-0.15 (0.11) [0.17]	-0.25 (0.16) [0.12]
Born outside the U.S. [not born outside the U.S., reference] ^a	0.03 (0.07) [0.64]	-0.06 (0.09) [0.53]	-0.03 (0.07) [0.68]	-0.06 (0.13) [0.67]
Education level [less than high school, reference] ^a				
High school	0.08 (0.06) [0.23]	0.14 (0.08) [0.10]	0.07 (0.08) [0.34]	0.06 (0.11) [0.58]
Some college/associate's degree	0.07 (0.08) [0.39]	0.23** (0.10) [0.02]	0.15* (0.08) [0.06]	0.15 (0.11) [0.19]
College graduate or above	0.21* (0.12) [0.08]	0.21** (0.10) [0.04]	<-0.01 (0.11) [0.98]	-0.01 (0.18) [0.97]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	0.04 (0.08) [0.57]	0.14 (0.08) [0.11]	0.07 (0.08) [0.38]	0.01 (0.12) [0.90]
Distance to closest participating FINI retailer (miles) ^a	0.02* (0.01) [0.06]	0.01 (0.02) [0.61]	0.02 (0.02) [0.23]	-0.01 (0.02) [0.65]
Household size ^a	0.03 (0.02) [0.17]	-0.03 (0.04) [0.55]	-0.02 (0.03) [0.41]	-0.05 (0.05) [0.34]
Children present in household [no children present in household, reference] ^a	-0.08 (0.08) [0.31]	0.14 (0.10) [0.16]	0.24** (0.10) [0.02]	0.37*** (0.14) [0.01]

Table K-5. Daily vegetable cup-equivalent consumption (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-0.09 (0.08) [0.28]	<-0.01 (0.14) [0.98]	0.04 (0.10) [0.64]	0.04 (0.13) [0.74]
Percentage of local area receiving SNAP ^a	<-0.01 (<0.01) [0.89]	<0.01 (<0.01) [0.43]	<-0.01 (<0.01) [0.23]	<-0.01 (<0.01) [0.25]
Living in urban area [living in rural area, reference] ^a	0.04 (0.13) [0.73]	-0.25* (0.13) [0.05]	<0.01 (0.10) [0.97]	0.02 (0.12) [0.90]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-0.15 (0.10) [0.13]	-0.04 (0.15) [0.76]	- - -	- - -
Mountain Plains	-0.11 (0.10) [0.29]	<-0.01 (0.17) [0.99]	- - -	- - -
Northeast	-0.06 (0.06) [0.33]	0.04 (0.12) [0.77]	- - -	- - -
Southeast	<-0.01 (0.09) [0.96]	0.07 (0.17) [0.68]	- - -	- - -
Southwest	0.13 (0.13) [0.32]	0.12 (0.20) [0.56]	- - -	- - -
West	-0.03 (0.08) [0.68]	-0.03 (0.12) [0.82]	- - -	- - -
Observations	746	633	842	418

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Ordinary least squares (OLS) regression. Coefficients represent the cup difference in cups of vegetable consumption, excluding fried potatoes. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. A smearing estimate based on Duan (1983) and Abrevaya (2002) is used for correct interpretation of coefficients from the Box-Cox transformations of the consumption and expenditure outcomes. Per the USDHHS National Cancer Institute (2016), consumption measures were set to missing if a respondent did not answer the frequency of consumption question for fruits or other vegetables. Per Millen et al. (2005), consumption variables were set to missing (i.e., trimmed) if above three times the interquartile range of the variable. For consumption measures, this involved trimming at each component of consumption. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-6. Monthly fruit and vegetable expenditures

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Treatment	3.83 (3.68) [0.30]	8.84 (8.80) [0.32]	15.32*** (4.65) [<0.01]	19.70*** (6.01) [<0.01]	9.37** (3.80) [0.02]	7.19 (5.86) [0.22]	9.90** (4.88) [0.05]	2.73 (7.35) [0.71]
Outcome ^a	0.40*** (0.04) [<0.01]	0.37*** (0.05) [<0.01]	0.50*** (0.05) [<0.01]	0.52*** (0.04) [<0.01]	0.35*** (0.03) [<0.01]	0.33*** (0.05) [<0.01]	0.34*** (0.06) [<0.01]	0.31*** (0.08) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}								
Matching amount received at farmers market or grocery store	6.77 (8.56) [0.43]	-1.84 (9.06) [0.84]	-3.15 (5.15) [0.54]	-5.40 (5.42) [0.32]	-8.10 (5.30) [0.13]	-4.07 (6.77) [0.55]	2.40 (7.28) [0.74]	12.93 (9.02) [0.16]
Don't know if matching amount(s) received	5.25 (5.23) [0.32]	6.33 (7.00) [0.37]	-1.87 (6.66) [0.78]	-6.57 (6.60) [0.32]	1.41 (3.94) [0.72]	-0.68 (4.14) [0.87]	0.62 (5.95) [0.92]	0.84 (4.91) [0.86]
Health status [fair/poor, reference] ^a								
Very good/excellent	5.35 (4.26) [0.21]	4.50 (6.22) [0.47]	-11.37 (7.72) [0.15]	-9.30 (8.26) [0.27]	-8.06 (5.67) [0.16]	-8.44 (5.32) [0.12]	-0.84 (6.25) [0.89]	-4.41 (5.21) [0.40]
Good	8.64* (4.45) [0.06]	9.85* (5.65) [0.09]	3.48 (6.07) [0.57]	-0.81 (5.92) [0.89]	2.80 (4.78) [0.56]	4.37 (6.30) [0.49]	5.73 (5.82) [0.33]	6.76 (7.13) [0.35]

Table K-6. Monthly fruit and vegetable expenditures (continued)

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Gender [male, reference] ^a								
Female	8.10* (4.36) [0.07]	-0.34 (5.91) [0.95]	-10.39* (6.19) [0.10]	-10.64 (6.72) [0.12]	6.06 (4.50) [0.18]	6.15 (4.99) [0.22]	-2.48 (6.56) [0.71]	-5.72 (8.05) [0.48]
Marital status [never married, reference] ^a								
Married	18.76* (9.81) [0.06]	11.88 (10.94) [0.28]	12.92* (7.56) [0.09]	8.54 (7.31) [0.25]	8.21* (4.20) [0.06]	6.07 (5.08) [0.24]	5.68 (6.31) [0.37]	1.36 (7.21) [0.85]
Widowed/divorced/separated	2.61 (3.97) [0.51]	3.27 (6.12) [0.59]	6.02 (5.98) [0.32]	10.04 (6.58) [0.13]	13.26*** (4.15) [<0.01]	11.03** (5.31) [0.04]	9.82* (5.82) [0.10]	6.45 (7.23) [0.38]
Age group [18-39 years old, reference] ^a								
40-60 years old	4.76 (4.51) [0.30]	1.66 (6.29) [0.79]	-14.40* (7.24) [0.05]	-9.18 (6.99) [0.20]	-1.10 (4.92) [0.82]	-2.04 (5.46) [0.71]	-3.45 (7.49) [0.65]	-1.88 (7.62) [0.81]
60 or older	19.34* (11.06) [0.09]	5.32 (12.50) [0.67]	-19.67* (10.89) [0.08]	-11.43 (12.60) [0.37]	-4.78 (7.52) [0.53]	-7.63 (9.52) [0.43]	-12.25 (11.12) [0.28]	-9.10 (11.00) [0.41]
Race/ethnicity [non-black & non-Hispanic, reference] ^a								
Black	2.87 (4.96) [0.56]	9.95 (8.43) [0.24]	0.60 (13.74) [0.97]	8.96 (16.93) [0.60]	1.11 (4.80) [0.82]	0.33 (5.16) [0.95]	-1.23 (6.34) [0.85]	-5.90 (7.57) [0.44]

Table K-6. Monthly fruit and vegetable expenditures (continued)

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Hispanic	-4.28 (6.14) [0.49]	-2.44 (7.51) [0.75]	-4.25 (5.92) [0.48]	-8.13 (6.11) [0.19]	4.58 (6.01) [0.45]	-0.57 (7.20) [0.94]	2.87 (6.26) [0.65]	-0.35 (8.78) [0.97]
Born outside the U.S. [not born outside the U.S., reference] ^a	5.36 (6.61) [0.42]	-1.94 (7.47) [0.80]	-9.04 (5.48) [0.11]	-13.16** (6.48) [0.05]	8.14 (5.38) [0.14]	10.49* (6.24) [0.10]	-3.22 (7.17) [0.65]	6.17 (8.52) [0.47]
Education level [less than high school, reference] ^a								
High school	-11.27** (5.61) [0.05]	-4.39 (6.87) [0.53]	-0.37 (8.09) [0.96]	0.81 (8.21) [0.92]	0.45 (5.80) [0.94]	4.08 (6.61) [0.54]	6.01 (7.65) [0.44]	8.07 (8.65) [0.36]
Some college/associate's degree	-5.51 (6.16) [0.37]	2.71 (7.89) [0.73]	0.27 (7.28) [0.97]	2.87 (7.04) [0.68]	-2.09 (5.29) [0.69]	1.03 (6.07) [0.87]	-2.77 (7.16) [0.70]	0.19 (8.11) [0.98]
College graduate or above	8.06 (10.00) [0.42]	11.24 (9.30) [0.23]	8.47 (7.63) [0.27]	3.82 (6.48) [0.56]	3.26 (7.86) [0.68]	19.36* (10.01) [0.06]	28.09 (19.99) [0.17]	29.15** (13.61) [0.04]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	4.01 (7.30) [0.58]	3.47 (8.55) [0.69]	-2.82 (6.51) [0.67]	-0.49 (7.98) [0.95]	7.09 (6.30) [0.26]	1.04 (7.16) [0.88]	-7.57 (9.13) [0.41]	-13.40 (8.59) [0.12]
Distance to closest participating FINI retailer (miles) ^a	1.08 (0.77) [0.16]	3.41** (1.40) [0.02]	2.31 (1.44) [0.12]	3.87** (1.87) [0.04]	1.59 (1.14) [0.17]	1.00 (1.40) [0.48]	2.56 (1.55) [0.10]	1.46 (1.66) [0.38]
Household size ^a	-0.01 (2.26) [1.00]	-0.35 (3.12) [0.91]	0.66 (3.00) [0.83]	2.58 (3.17) [0.42]	0.35 (1.74) [0.84]	1.88 (2.28) [0.41]	-0.43 (3.07) [0.89]	2.26 (4.05) [0.58]

Table K-6. Monthly fruit and vegetable expenditures (continued)

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Children present in household [no children present in household, reference] ^a	0.64 (6.66) [0.92]	2.01 (8.89) [0.82]	6.28 (7.21) [0.39]	2.06 (7.87) [0.79]	8.15 (5.30) [0.13]	9.32 (6.77) [0.17]	4.08 (8.35) [0.63]	9.21 (11.49) [0.43]
Elderly present in household [no elderly present in household, reference] ^a	-20.36** (8.75) [0.02]	-9.36 (10.33) [0.37]	4.12 (7.28) [0.57]	-1.94 (8.88) [0.83]	-10.63** (5.22) [0.05]	-7.62 (6.66) [0.26]	-4.51 (9.73) [0.65]	-1.85 (9.75) [0.85]
Percentage of local area receiving SNAP ^a	-0.10 (0.14) [0.49]	-0.04 (0.19) [0.85]	0.23 (0.23) [0.31]	0.18 (0.22) [0.42]	-0.01 (0.12) [0.95]	-0.02 (0.14) [0.89]	0.03 (0.16) [0.84]	-0.14 (0.21) [0.50]
Living in urban area [living in rural area, reference] ^a	3.12 (7.44) [0.68]	23.58*** (5.83) [<0.01]	11.63 (8.81) [0.19]	15.63 (11.03) [0.16]	12.71** (5.56) [0.03]	11.54* (6.47) [0.08]	11.26 (7.32) [0.13]	10.84 (7.14) [0.14]
FNS region [Mid-Atlantic, reference] ^a								
Mid-West	12.45 (7.68) [0.11]	31.19* (15.95) [0.06]	-9.52 (9.04) [0.30]	-11.89 (8.47) [0.17]	- - -	- - -	- - -	- - -
Mountain Plains	7.79 (9.99) [0.44]	13.65 (13.47) [0.32]	2.97 (12.30) [0.81]	-1.14 (13.71) [0.93]	- - -	- - -	- - -	- - -
Northeast	9.81** (4.76) [0.04]	17.51*** (6.23) [0.01]	3.40 (7.94) [0.67]	4.29 (9.08) [0.64]	- - -	- - -	- - -	- - -
Southeast	12.49* (7.02) [0.08]	30.62*** (8.87) [<0.01]	47.43** (17.91) [0.01]	59.93*** (21.42) [0.01]	- - -	- - -	- - -	- - -

Table K-6. Monthly fruit and vegetable expenditures (continued)

	Farmers market general (n=833)		Farmers market shoppers (n=703)		Grocery store general (n=935)		Grocery store shoppers (n=454)	
	ITT	TOT	ITT	TOT	ITT	TOT	ITT	TOT
Southwest	7.31 (7.56) [0.34]	19.70 (23.73) [0.41]	5.63 (8.79) [0.52]	2.27 (11.81) [0.85]	- - -	- - -	- - -	- - -
West	9.86 (7.16) [0.17]	24.62*** (7.83) [<0.01]	9.78 (7.06) [0.17]	5.72 (7.95) [0.48]	- - -	- - -	- - -	- - -
Observations	346	191	376	301	400	277	212	167

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Ordinary least squares (OLS) regression. Coefficients represent the dollar difference in dollars of fruit and vegetable expenditures. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. ITT is the intent-to-treat model. TOT is the treatment-on-the-treated model. A smearing estimate based on Duan (1983) and Abrevaya (2002) is used for correct interpretation of coefficients from the Box-Cox transformations of the consumption and expenditure outcomes. Per the USDHHS National Cancer Institute (2016), consumption measures were set to missing if a respondent did not answer the frequency of consumption question for fruits or other vegetables. Per Millen et al. (2005), consumption variables were set to missing (i.e., trimmed) if above three times the interquartile range of the variable. For consumption measures, this involved trimming at each component of consumption. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-7. Monthly number of types of fresh, frozen, canned, and dried fruit and vegetable purchases

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	0.19 (0.36) [0.60]	0.65 (0.48) [0.18]	-0.64 (0.41) [0.13]	0.28 (0.60) [0.64]
Outcome^a	0.44*** (0.10) [<0.01]	0.56*** (0.04) [<0.01]	0.57*** (0.03) [<0.01]	0.52*** (0.04) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-0.92 (0.77) [0.24]	-0.29 (0.46) [0.53]	-1.08** (0.45) [0.02]	-0.84 (0.76) [0.27]
Don't know if matching amount(s) received	-0.07 (0.44) [0.88]	-0.30 (0.67) [0.66]	0.18 (0.48) [0.71]	0.10 (0.75) [0.89]
Health status [fair/poor, reference] ^a				
Very good/excellent	-0.37 (0.49) [0.45]	-0.04 (0.47) [0.94]	-0.68 (0.49) [0.17]	-0.83 (0.76) [0.28]
Good	0.01 (0.38) [0.98]	0.60* (0.32) [0.06]	0.09 (0.39) [0.83]	-0.07 (0.52) [0.90]
Gender [male, reference] ^a				
Female	0.98** (0.49) [0.05]	0.68 (0.47) [0.16]	0.84** (0.38) [0.03]	-0.08 (0.65) [0.90]
Marital status [never married, reference] ^a				
Married	-0.16 (0.61) [0.80]	0.15 (0.56) [0.79]	0.75 (0.56) [0.18]	2.11** (1.02) [0.04]
Widowed/divorced/separated	-0.45 (0.48) [0.36]	-0.39 (0.46) [0.40]	0.60 (0.41) [0.15]	1.61*** (0.55) [<0.01]

Table K-7. Monthly number of types of fresh, frozen, canned, and dried fruit and vegetable purchases (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-0.65 (0.58) [0.27]	0.14 (0.69) [0.84]	0.50 (0.42) [0.23]	1.15* (0.65) [0.08]
60 or older	1.75* (0.89) [0.05]	0.45 (0.89) [0.62]	-0.08 (0.50) [0.87]	0.20 (1.09) [0.85]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-0.78 (0.54) [0.15]	-0.27 (0.75) [0.72]	0.97* (0.55) [0.08]	0.29 (0.78) [0.71]
Hispanic	-0.02 (0.48) [0.96]	0.57 (0.56) [0.31]	-0.10 (0.56) [0.85]	-0.32 (0.81) [0.69]
Born outside the U.S. [not born outside the U.S., reference] ^a	0.86 (0.52) [0.10]	0.03 (0.55) [0.95]	0.02 (0.50) [0.97]	-0.49 (0.84) [0.56]
Education level [less than high school, reference]^a				
High school	0.18 (0.51) [0.73]	0.04 (0.70) [0.96]	0.51 (0.49) [0.30]	0.01 (0.78) [0.99]
Some college/associate's degree	0.48 (0.58) [0.41]	-0.38 (0.71) [0.59]	0.02 (0.45) [0.96]	-0.49 (0.72) [0.50]
College graduate or above	0.90 (0.94) [0.34]	-0.46 (0.77) [0.55]	-0.05 (0.62) [0.94]	-1.19 (1.02) [0.25]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	0.70 (0.48) [0.15]	0.58 (0.61) [0.35]	0.37 (0.77) [0.63]	1.22 (0.82) [0.14]
Distance to closest participating FINI retailer (miles) ^a	0.10 (0.10) [0.35]	0.11 (0.08) [0.17]	0.13* (0.08) [0.09]	-0.07 (0.11) [0.53]
Household size ^a	-0.06 (0.18) [0.76]	0.05 (0.26) [0.86]	0.01 (0.20) [0.97]	0.19 (0.30) [0.54]

Table K-7. Monthly number of types of fresh, frozen, canned, and dried fruit and vegetable purchases (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Children present in household [no children present in household, reference] ^a	0.82 (0.68) [0.23]	1.09* (0.60) [0.07]	1.36** (0.64) [0.04]	1.83** (0.91) [0.05]
Elderly present in household [no elderly present in household, reference] ^a	-2.05*** (0.57) [<0.01]	-0.48 (0.62) [0.44]	-0.48 (0.48) [0.33]	0.10 (0.90) [0.91]
Percentage of local area receiving SNAP ^a	0.02 (0.01) [0.20]	0.04** (0.02) [0.04]	<0.01 (0.02) [0.76]	-0.01 (0.02) [0.58]
Living in urban area [living in rural area, reference] ^a	-1.06 (0.99) [0.29]	1.40** (0.57) [0.02]	1.19* (0.68) [0.08]	1.22 (0.87) [0.17]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-0.69 (0.81) [0.40]	1.59* (0.88) [0.08]	- - -	- - -
Mountain Plains	-0.70 (0.85) [0.41]	1.69** (0.77) [0.03]	- - -	- - -
Northeast	-0.63 (0.45) [0.17]	1.14* (0.64) [0.08]	- - -	- - -
Southeast	-1.15 (0.72) [0.11]	1.01 (1.43) [0.48]	- - -	- - -
Southwest	0.04 (1.28) [0.97]	0.55 (0.75) [0.47]	- - -	- - -
West	-0.77 (0.61) [0.22]	0.51 (0.58) [0.39]	- - -	- - -
Observations	764	665	855	420

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Poisson regression. Coefficients represent the difference in the number of types of fresh, frozen, canned, and dried fruits and vegetables purchased. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-8. Food security probability

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-7.74** (3.47) [0.03]	3.37 (3.44) [0.33]	-3.22 (3.07) [0.30]	-8.70* (5.01) [0.09]
Outcome ^a	40.15*** (1.44) [<0.01]	40.43*** (1.65) [<0.01]	39.80*** (1.51) [<0.01]	38.83*** (2.25) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-12.92** (5.22) [0.02]	-1.53 (3.40) [0.65]	8.81** (3.86) [0.03]	11.67** (5.73) [0.05]
Don't know if matching amount(s) received	-2.26 (3.97) [0.57]	8.16* (4.48) [0.07]	1.57 (4.00) [0.70]	3.91 (4.98) [0.44]
Health status [fair/poor, reference] ^a				
Very good/excellent	11.92** (4.61) [0.01]	-4.42 (4.37) [0.32]	14.77*** (4.73) [<0.01]	8.85 (6.20) [0.16]
Good	7.08* (3.62) [0.06]	2.43 (3.92) [0.54]	10.01** (3.77) [0.01]	7.70* (4.59) [0.10]
Gender [male, reference] ^a				
Female	4.81 (3.26) [0.15]	0.28 (3.84) [0.94]	-4.18 (3.23) [0.20]	-5.57 (5.10) [0.28]
Marital status [never married, reference] ^a				
Married	-1.13 (5.60) [0.84]	-0.17 (6.46) [0.98]	-1.08 (4.70) [0.82]	6.95 (8.13) [0.40]
Widowed/divorced/separated	-3.99 (3.22) [0.22]	-2.26 (4.09) [0.58]	-5.86 (4.01) [0.15]	0.40 (5.41) [0.94]

Table K-8. Food security probability (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	0.88 (4.50) [0.85]	-12.77*** (4.74) [0.01]	0.55 (3.50) [0.88]	-1.33 (5.91) [0.82]
60 or older	9.23 (7.69) [0.23]	-6.37 (6.57) [0.34]	11.60 (7.09) [0.11]	-7.71 (10.21) [0.45]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-1.28 (4.86) [0.79]	2.18 (6.25) [0.73]	4.33 (2.97) [0.15]	7.63 (5.44) [0.17]
Hispanic	1.52 (3.53) [0.67]	-3.42 (4.27) [0.43]	-0.99 (6.85) [0.89]	7.48 (8.74) [0.40]
Born outside the U.S. [not born outside the U.S., reference] ^a	9.07*** (3.26) [0.01]	2.76 (5.15) [0.59]	3.54 (3.68) [0.34]	7.40 (6.01) [0.22]
Education level [less than high school, reference] ^a				
High school	11.68*** (4.23) [0.01]	-1.98 (5.28) [0.71]	3.69 (4.00) [0.36]	10.66 (6.81) [0.12]
Some college/associate's degree	9.22* (4.64) [0.05]	-0.24 (6.11) [0.97]	-1.68 (4.22) [0.69]	6.38 (6.25) [0.31]
College graduate or above	5.02 (5.97) [0.40]	18.69*** (6.93) [0.01]	-0.29 (5.23) [0.96]	30.71*** (11.47) [0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-6.52 (4.21) [0.13]	-1.93 (4.92) [0.70]	10.11 (6.57) [0.13]	1.24 (7.16) [0.86]
Distance to closest participating FINI retailer (miles) ^a	-0.44 (0.79) [0.58]	-1.96* (1.03) [0.06]	0.81 (0.66) [0.22]	0.68 (1.08) [0.54]
Household size ^a	1.17 (1.57) [0.46]	-0.28 (2.32) [0.90]	1.03 (1.32) [0.44]	2.21 (2.04) [0.28]
Children present in household [no children present in household, reference] ^a	-4.26 (4.87) [0.38]	-7.91 (5.42) [0.15]	-6.51 (4.18) [0.12]	-6.12 (6.13) [0.32]

Table K-8. Food security probability (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	0.02 (5.17) [1.00]	1.59 (4.47) [0.72]	4.02 (4.85) [0.41]	17.62** (7.44) [0.02]
Percentage of local area receiving SNAP ^a	0.07 (0.13) [0.58]	0.06 (0.10) [0.53]	-0.22** (0.09) [0.02]	-0.17 (0.15) [0.25]
Living in urban area [living in rural area, reference] ^a	1.58 (6.73) [0.82]	-1.49 (7.05) [0.83]	-0.40 (5.91) [0.95]	3.49 (7.70) [0.65]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	5.73 (7.19) [0.43]	-1.84 (7.82) [0.82]	- - -	- - -
Mountain Plains	-0.22 (6.24) [0.97]	-5.95 (8.86) [0.50]	- - -	- - -
Northeast	5.35 (4.53) [0.24]	-3.28 (6.65) [0.62]	- - -	- - -
Southeast	3.13 (5.04) [0.54]	2.05 (9.22) [0.82]	- - -	- - -
Southwest	-1.85 (8.79) [0.83]	1.39 (6.91) [0.84]	- - -	- - -
West	2.25 (4.22) [0.60]	-3.08 (6.27) [0.63]	- - -	- - -
Observations	790	680	896	439

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of being food secure. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-9. Usual fruit and vegetable purchase location: chain grocery store

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	0.05 (2.99) [0.99]	10.70*** (3.33) [<0.01]	0.04 (3.96) [0.99]	-0.99 (5.10) [0.85]
Outcome^a	37.43*** (1.92) [<0.01]	34.08*** (2.18) [<0.01]	33.88*** (2.45) [<0.01]	35.00*** (3.06) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	-5.33 (6.11) [0.39]	1.49 (4.22) [0.73]	2.15 (5.25) [0.68]	2.16 (7.26) [0.77]
Don't know if matching amount(s) received	-0.62 (3.42) [0.86]	4.04 (5.60) [0.47]	3.42 (3.73) [0.36]	4.72 (5.31) [0.38]
Health status [fair/poor, reference]^a				
Very good/excellent	-0.25 (4.04) [0.95]	-5.07 (5.49) [0.36]	6.42 (4.99) [0.20]	2.14 (6.26) [0.73]
Good	0.23 (3.98) [0.96]	-4.43 (3.89) [0.26]	2.76 (3.61) [0.45]	1.52 (5.34) [0.78]
Gender [male, reference]^a				
Female	-0.31 (3.57) [0.93]	11.03** (4.18) [0.01]	3.63 (4.56) [0.43]	2.34 (5.59) [0.68]
Marital status [never married, reference]^a				
Married	-5.09 (6.17) [0.41]	5.62 (4.16) [0.18]	-5.46 (5.09) [0.29]	-0.23 (7.62) [0.98]
Widowed/divorced/separated	0.44 (4.33) [0.92]	-1.63 (3.29) [0.62]	-1.15 (4.70) [0.81]	7.18 (6.32) [0.26]

Table K-9. Usual fruit and vegetable purchase location: chain grocery store (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-2.47 (3.61) [0.50]	3.72 (4.30) [0.39]	6.99 (4.32) [0.11]	-0.89 (6.42) [0.89]
60 or older	-1.33 (6.83) [0.85]	4.83 (6.84) [0.48]	10.86 (8.68) [0.22]	-4.87 (10.33) [0.64]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	3.28 (4.61) [0.48]	-8.56 (15.03) [0.57]	-1.03 (4.02) [0.80]	3.55 (6.29) [0.57]
Hispanic	-1.03 (5.29) [0.85]	-6.28 (5.43) [0.25]	-11.32 (7.80) [0.15]	-2.06 (11.43) [0.86]
Born outside the U.S. [not born outside the U.S., reference] ^a	0.33 (4.19) [0.94]	-6.40 (6.43) [0.32]	3.07 (4.27) [0.47]	6.03 (7.58) [0.43]
Education level [less than high school, reference]^a				
High school	6.96 (5.03) [0.17]	4.17 (8.18) [0.61]	-3.54 (4.48) [0.43]	3.80 (7.53) [0.62]
Some college/associate's degree	6.45 (5.32) [0.23]	7.96 (7.84) [0.31]	0.56 (5.06) [0.91]	5.46 (7.48) [0.47]
College graduate or above	4.13 (7.65) [0.59]	-0.24 (9.44) [0.98]	6.71 (7.71) [0.39]	17.83 (12.90) [0.17]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-4.95 (5.04) [0.33]	-0.49 (5.73) [0.93]	-1.38 (4.36) [0.75]	-5.65 (9.21) [0.54]
Distance to closest participating FINI retailer (miles) ^a	-0.13 (0.80) [0.87]	-0.61 (1.33) [0.65]	1.07 (0.79) [0.18]	1.13 (1.36) [0.41]
Household size ^a	2.32 (1.78) [0.20]	1.26 (1.89) [0.51]	1.70 (1.74) [0.33]	1.09 (2.88) [0.71]
Children present in household [no children present in household, reference] ^a	0.55 (5.79) [0.93]	-0.42 (4.79) [0.93]	0.39 (5.30) [0.94]	-0.63 (7.96) [0.94]

Table K-9. Usual fruit and vegetable purchase location: chain grocery store (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	2.76 (5.05) [0.59]	5.21 (5.28) [0.33]	2.67 (6.14) [0.66]	6.56 (8.12) [0.42]
Percentage of local area receiving SNAP ^a	-0.07 (0.11) [0.54]	0.07 (0.17) [0.67]	0.04 (0.14) [0.75]	0.03 (0.17) [0.85]
Living in urban area [living in rural area, reference] ^a	-0.87 (6.42) [0.89]	4.73 (7.32) [0.52]	13.32** (6.00) [0.03]	18.55** (8.00) [0.02]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-6.21 (6.44) [0.34]	-4.77 (6.19) [0.44]	- - -	- - -
Mountain Plains	-7.70 (6.34) [0.23]	3.28 (6.57) [0.62]	- - -	- - -
Northeast	1.33 (4.50) [0.77]	-2.99 (4.58) [0.52]	- - -	- - -
Southeast	-2.09 (7.67) [0.79]	1.85 (9.32) [0.84]	- - -	- - -
Southwest	-21.44* (10.85) [0.05]	-8.07 (7.37) [0.28]	- - -	- - -
West	7.06 (4.52) [0.12]	11.99** (4.72) [0.01]	- - -	- - -
Observations	792	677	894	439

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of usually shopping for fruits and vegetables at a chain grocery store. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-10. Usual fruit and vegetable purchase location: discount superstore

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-2.83 (3.63) [0.44]	0.49 (3.34) [0.88]	-2.38 (3.93) [0.55]	-4.66 (5.31) [0.38]
Outcome ^a	33.29*** (2.90) [<0.01]	33.98*** (2.20) [<0.01]	39.21*** (1.68) [<0.01]	40.81*** (1.50) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	9.53 (5.75) [0.10]	-2.25 (4.29) [0.60]	-8.77* (4.59) [0.06]	1.69 (6.39) [0.79]
Don't know if matching amount(s) received	-5.33* (3.10) [0.09]	7.02 (5.10) [0.17]	-0.62 (3.85) [0.87]	1.14 (4.74) [0.81]
Health status [fair/poor, reference] ^a				
Very good/excellent	-2.50 (3.79) [0.51]	4.08 (5.00) [0.42]	-1.89 (4.41) [0.67]	-6.15 (5.33) [0.25]
Good	-2.83 (3.59) [0.43]	5.66 (4.45) [0.21]	4.30 (2.80) [0.13]	-0.75 (3.86) [0.85]
Gender [male, reference] ^a				
Female	7.01* (3.82) [0.07]	2.35 (3.80) [0.54]	-6.79* (3.68) [0.07]	0.96 (4.91) [0.85]
Marital status [never married, reference] ^a				
Married	12.49** (5.75) [0.03]	0.06 (6.11) [0.99]	2.88 (4.53) [0.53]	1.17 (7.07) [0.87]
Widowed/divorced/separated	2.26 (4.49) [0.62]	-1.97 (4.11) [0.63]	1.57 (3.64) [0.67]	-1.98 (4.54) [0.66]

Table K-10. Usual fruit and vegetable purchase location: discount superstore (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-4.19 (4.72) [0.38]	1.35 (4.42) [0.76]	-0.07 (3.70) [0.98]	-0.63 (5.78) [0.91]
60 or older	0.88 (7.46) [0.91]	3.57 (8.14) [0.66]	1.41 (6.53) [0.83]	0.03 (9.56) [1.00]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-8.74** (4.33) [0.05]	-9.37* (5.22) [0.08]	1.33 (3.87) [0.73]	-2.08 (5.26) [0.69]
Hispanic	-1.61 (4.82) [0.74]	-5.75 (5.04) [0.26]	0.41 (6.95) [0.95]	-4.48 (7.51) [0.55]
Born outside the U.S. [not born outside the U.S., reference] ^a	0.60 (4.07) [0.88]	-1.47 (4.63) [0.75]	1.89 (4.84) [0.70]	-0.82 (7.44) [0.91]
Education level [less than high school, reference] ^a				
High school	0.50 (4.69) [0.92]	1.19 (6.49) [0.85]	-2.79 (4.20) [0.51]	-0.06 (6.49) [0.99]
Some college/associate's degree	1.86 (4.45) [0.68]	5.42 (7.00) [0.44]	-4.54 (4.27) [0.29]	-1.18 (6.42) [0.86]
College graduate or above	-2.73 (6.76) [0.69]	0.33 (9.14) [0.97]	0.60 (8.01) [0.94]	-10.66 (8.28) [0.20]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-3.68 (4.53) [0.42]	1.45 (5.23) [0.78]	-6.31 (5.45) [0.25]	12.34** (5.12) [0.02]
Distance to closest participating FINI retailer (miles) ^a	-0.59 (0.70) [0.41]	-0.46 (1.08) [0.67]	0.34 (0.77) [0.66]	0.18 (1.29) [0.89]
Household size ^a	-0.23 (1.56) [0.88]	-0.34 (1.92) [0.86]	1.08 (1.54) [0.49]	-2.76 (2.18) [0.21]
Children present in household [no children present in household, reference] ^a	2.09 (5.25) [0.69]	-1.35 (4.99) [0.79]	6.45 (5.05) [0.21]	14.73** (7.20) [0.05]

Table K-10. Usual fruit and vegetable purchase location: discount superstore (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-8.71* (5.16) [0.10]	-2.45 (6.90) [0.72]	-4.41 (4.17) [0.29]	2.69 (4.83) [0.58]
Percentage of local area receiving SNAP ^a	-0.08 (0.13) [0.55]	0.17 (0.13) [0.19]	-0.16 (0.11) [0.13]	-0.26* (0.15) [0.09]
Living in urban area [living in rural area, reference] ^a	-8.24 (7.68) [0.29]	1.74 (6.49) [0.79]	-7.49 (5.10) [0.15]	-10.58 (7.14) [0.14]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	14.46* (7.64) [0.06]	1.28 (6.80) [0.85]	- - -	- - -
Mountain Plains	10.99 (7.87) [0.17]	1.68 (7.44) [0.82]	- - -	- - -
Northeast	1.19 (4.39) [0.79]	-3.37 (7.35) [0.65]	- - -	- - -
Southeast	13.50 (8.29) [0.11]	-3.85 (12.61) [0.76]	- - -	- - -
Southwest	24.12** (11.17) [0.03]	-1.76 (7.60) [0.82]	- - -	- - -
West	-0.03 (4.74) [0.99]	-7.54 (6.97) [0.28]	- - -	- - -
Observations	792	677	894	439

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of usually shopping for fruits and vegetables at a discount superstore. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-11. Usual fruit and vegetable purchase location: dollar store

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	- - -	- - -	-1.49 (1.15) [0.20]	- - -
Outcome ^a	- - -	- - -	8.42*** (2.07) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	- - -	- - -	-2.56** (1.15) [0.03]	- - -
Don't know if matching amount(s) received	- - -	- - -	-1.29 (1.13) [0.26]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	- - -	- - -	-1.54 (1.05) [0.15]	- - -
Good	- - -	- - -	1.28 (1.22) [0.30]	- - -
Gender [male, reference] ^a				
Female	- - -	- - -	-1.74 (1.20) [0.15]	- - -
Marital status [never married, reference] ^a				
Married	- - -	- - -	3.04* (1.53) [0.05]	- - -
Widowed/divorced/separated	- - -	- - -	0.04 (1.04) [0.97]	- - -

Table K-11. Usual fruit and vegetable purchase location: dollar store (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	- - [0.69]	- - -	-0.40 (1.02) [0.69]	- - -
60 or older	- - -	- - -	5.66 (4.25) [0.19]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	- - -	- - -	0.79 (1.08) [0.47]	- - -
Hispanic	- - -	- - -	2.70 (2.87) [0.35]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	- - -	- - -	-1.53 (1.02) [0.14]	- - -
Education level [less than high school, reference] ^a				
High school	- - -	- - -	1.13 (1.49) [0.45]	- - -
Some college/associate's degree	- - -	- - -	0.54 (1.12) [0.63]	- - -
College graduate or above	- - -	- - -	-1.15 (1.09) [0.29]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	- - -	- - -	-1.02 (0.73) [0.17]	- - -
Distance to closest participating FINI retailer (miles) ^a	- - -	- - -	-0.09 (0.27) [0.75]	- - -
Household size ^a	- - -	- - -	0.30 (0.43) [0.49]	- - -
Children present in household [no children present in household, reference] ^a	- - -	- - -	-0.12 (1.75) [0.94]	- - -

Table K-11. Usual fruit and vegetable purchase location: dollar store (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	- - -	- - -	-1.36 (1.94) [0.49]	- - -
Percentage of local area receiving SNAP ^a	- - -	- - -	0.07** (0.03) [0.02]	- - -
Living in urban area [living in rural area, reference] ^a	- - -	- - -	1.84** (0.89) [0.04]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	- - -	- - -	- - -	- - -
Mountain Plains	- - -	- - -	- - -	- - -
Northeast	- - -	- - -	- - -	- - -
Southeast	- - -	- - -	- - -	- - -
Southwest	- - -	- - -	- - -	- - -
West	- - -	- - -	- - -	- - -
Observations	805	683	894	442

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of usually shopping for fruits and vegetables at a dollar store. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-12. Usual fruit and vegetable purchase location: organic supermarket

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.29 (2.49) [0.61]	4.13 (3.20) [0.20]	6.10** (2.35) [0.01]	4.60 (4.34) [0.29]
Outcome^a	19.82*** (2.44) [<0.01]	26.72*** (2.38) [<0.01]	10.08*** (2.91) [<0.01]	9.15** (3.63) [0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.54 (3.65) [0.68]	4.14 (2.85) [0.15]	-2.78 (2.62) [0.29]	-2.03 (3.96) [0.61]
Don't know if matching amount(s) received	-3.61 (2.47) [0.15]	5.02 (4.61) [0.28]	-4.26 (2.78) [0.13]	-2.24 (4.41) [0.61]
Health status [fair/poor, reference] ^a				
Very good/excellent	0.07 (3.17) [0.98]	1.40 (3.62) [0.70]	-1.54 (3.31) [0.64]	-2.98 (4.97) [0.55]
Good	-2.52 (2.56) [0.33]	0.67 (3.16) [0.83]	-3.28 (2.60) [0.21]	-3.78 (3.63) [0.30]
Gender [male, reference] ^a				
Female	1.95 (2.46) [0.43]	-1.43 (3.21) [0.66]	-0.29 (2.73) [0.92]	3.08 (3.88) [0.43]
Marital status [never married, reference] ^a				
Married	-0.49 (4.04) [0.90]	-6.89 (4.22) [0.11]	-6.19** (2.84) [0.03]	-7.43 (4.45) [0.10]
Widowed/divorced/separated	-1.46 (2.86) [0.61]	-1.50 (3.83) [0.70]	-1.75 (2.49) [0.49]	-3.91 (3.87) [0.32]

Table K-12. Usual fruit and vegetable purchase location: organic supermarket (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-7.03** (2.70) [0.01]	-2.27 (3.10) [0.47]	1.91 (2.79) [0.50]	-1.69 (4.15) [0.69]
60 or older	4.98 (8.03) [0.54]	6.40 (7.15) [0.37]	4.09 (4.66) [0.38]	-5.01 (5.54) [0.37]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-3.50 (2.38) [0.15]	-2.19 (5.43) [0.69]	0.99 (2.29) [0.67]	0.49 (4.46) [0.91]
Hispanic	1.80 (3.18) [0.57]	7.27* (4.06) [0.08]	4.69 (5.45) [0.39]	5.70 (10.29) [0.58]
Born outside the U.S. [not born outside the U.S., reference] ^a	9.50*** (3.27) [0.01]	2.95 (4.69) [0.53]	1.85 (3.17) [0.56]	1.16 (5.08) [0.82]
Education level [less than high school, reference] ^a				
High school	-4.48 (2.78) [0.11]	-1.46 (5.21) [0.78]	0.93 (3.37) [0.78]	0.81 (5.81) [0.89]
Some college/associate's degree	2.31 (3.44) [0.50]	-7.17 (5.18) [0.17]	1.73 (3.74) [0.65]	0.03 (6.41) [1.00]
College graduate or above	5.63 (5.25) [0.29]	-5.66 (6.07) [0.36]	3.76 (5.42) [0.49]	-0.93 (6.60) [0.89]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-2.04 (2.62) [0.44]	-0.48 (4.93) [0.92]	3.67 (3.80) [0.34]	3.21 (6.84) [0.64]
Distance to closest participating FINI retailer (miles) ^a	-0.86 (0.73) [0.25]	-0.24 (0.61) [0.70]	-0.50 (0.57) [0.39]	-2.20 (1.42) [0.13]
Household size ^a	-0.37 (1.19) [0.76]	0.51 (1.34) [0.70]	0.72 (0.99) [0.47]	0.43 (1.84) [0.82]
Children present in household [no children present in household, reference] ^a	-5.16 (3.92) [0.19]	-5.38 (4.55) [0.24]	-0.58 (3.12) [0.85]	-2.14 (4.58) [0.64]

Table K-12. Usual fruit and vegetable purchase location: organic supermarket (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-11.02** (4.28) [0.01]	-8.83* (4.86) [0.08]	-3.85 (2.61) [0.15]	1.68 (4.55) [0.71]
Percentage of local area receiving SNAP ^a	-0.04 (0.07) [0.56]	-0.25** (0.10) [0.02]	<-0.01 (0.06) [0.94]	0.06 (0.11) [0.62]
Living in urban area [living in rural area, reference] ^a	-0.84 (5.14) [0.87]	6.16 (3.76) [0.11]	6.64** (3.13) [0.04]	1.25 (7.46) [0.87]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-6.63 (4.26) [0.13]	-2.65 (6.87) [0.70]	- - -	- - -
Mountain Plains	4.58 (4.49) [0.31]	-6.91 (6.52) [0.29]	- - -	- - -
Northeast	2.11 (2.81) [0.45]	-7.25 (5.40) [0.19]	- - -	- - -
Southeast	-2.63 (3.26) [0.42]	-16.42*** (5.37) [<0.01]	- - -	- - -
Southwest	7.44 (5.95) [0.22]	-5.43 (5.75) [0.35]	- - -	- - -
West	-2.29 (2.56) [0.38]	3.56 (5.40) [0.51]	- - -	- - -
Observations	792	677	894	439

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of usually shopping for fruits and vegetables at a natural or organic supermarket/local market. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-13. Usual fruit and vegetable purchase location: local store

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-1.22 (2.06) [0.56]	-1.91 (2.26) [0.40]	0.22 (2.01) [0.91]	-5.51** (2.21) [0.02]
Outcome^a	15.43*** (2.27) [<0.01]	14.66*** (2.96) [<0.01]	15.64*** (1.72) [<0.01]	17.57*** (2.77) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.92 (3.49) [0.59]	-0.47 (2.08) [0.82]	-3.91 (2.75) [0.16]	-4.67 (3.90) [0.24]
Don't know if matching amount(s) received	-2.53 (2.22) [0.26]	5.71* (2.90) [0.06]	-1.59 (1.68) [0.35]	-0.43 (2.66) [0.87]
Health status [fair/poor, reference] ^a				
Very good/excellent	-3.33 (2.68) [0.22]	2.87 (3.07) [0.36]	-2.99 (2.12) [0.16]	1.59 (4.17) [0.70]
Good	-2.73 (2.33) [0.25]	-0.30 (2.35) [0.90]	-1.91 (1.73) [0.27]	-3.03 (2.76) [0.28]
Gender [male, reference] ^a				
Female	2.74 (2.15) [0.21]	-2.86 (3.37) [0.40]	-1.09 (1.62) [0.50]	-1.43 (2.29) [0.54]
Marital status [never married, reference] ^a				
Married	2.79 (3.57) [0.44]	-2.64 (3.83) [0.49]	6.50 (3.99) [0.11]	2.94 (4.07) [0.47]
Widowed/divorced/separated	-0.04 (2.46) [0.99]	0.70 (2.50) [0.78]	-0.94 (2.01) [0.64]	-1.98 (3.06) [0.52]

Table K-13. Usual fruit and vegetable purchase location: local store (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-2.52 (2.39) [0.29]	-7.90* (4.24) [0.07]	1.53 (1.92) [0.43]	2.90 (2.24) [0.20]
60 or older	6.71 (6.33) [0.29]	-10.82** (4.55) [0.02]	1.37 (3.44) [0.69]	6.96 (8.88) [0.44]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	8.15** (3.56) [0.03]	0.44 (2.81) [0.88]	-1.80 (1.92) [0.35]	0.17 (3.73) [0.96]
Hispanic	4.71 (3.10) [0.13]	2.99 (3.08) [0.34]	0.45 (2.85) [0.88]	-2.59 (6.36) [0.69]
Born outside the U.S. [not born outside the U.S., reference] ^a	2.42 (2.30) [0.30]	-6.29** (2.36) [0.01]	-1.36 (1.70) [0.43]	-4.61** (2.03) [0.03]
Education level [less than high school, reference] ^a				
High school	0.06 (2.42) [0.98]	-2.66 (5.08) [0.60]	-1.95 (2.43) [0.43]	-1.51 (4.51) [0.74]
Some college/associate's degree	-0.61 (2.72) [0.82]	-1.09 (4.59) [0.81]	-2.40 (2.58) [0.36]	-4.22 (4.77) [0.38]
College graduate or above	3.09 (4.72) [0.52]	-2.31 (5.74) [0.69]	4.07 (4.15) [0.33]	18.17 (13.92) [0.20]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-0.08 (3.15) [0.98]	-0.82 (2.97) [0.78]	-6.50*** (1.51) [<0.01]	-4.83 (3.12) [0.13]
Distance to closest participating FINI retailer (miles) ^a	0.39 (0.56) [0.48]	1.05* (0.54) [0.06]	-0.88 (0.59) [0.14]	-0.90 (0.81) [0.27]
Household size ^a	1.02 (0.73) [0.17]	-0.86 (1.06) [0.42]	-0.47 (0.92) [0.61]	1.76 (1.48) [0.24]
Children present in household [no children present in household, reference] ^a	-6.17** (2.40) [0.01]	0.49 (3.19) [0.88]	1.19 (2.75) [0.67]	-2.89 (4.35) [0.51]

Table K-13. Usual fruit and vegetable purchase location: local store (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-5.35 (3.62) [0.15]	11.82*** (3.80) [<0.01]	0.94 (3.26) [0.77]	-3.19 (4.67) [0.50]
Percentage of local area receiving SNAP ^a	0.06 (0.07) [0.42]	-0.10 (0.07) [0.16]	0.05 (0.06) [0.39]	0.02 (0.11) [0.86]
Living in urban area [living in rural area, reference] ^a	1.71 (3.95) [0.67]	-3.08 (3.87) [0.43]	-2.17 (3.42) [0.53]	-1.03 (4.09) [0.80]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	0.20 (3.83) [0.96]	-0.31 (4.59) [0.95]	- - -	- - -
Mountain Plains	8.36 (6.54) [0.21]	-4.60 (4.08) [0.27]	- - -	- - -
Northeast	0.60 (3.04) [0.84]	2.11 (3.96) [0.60]	- - -	- - -
Southeast	-4.08 (2.93) [0.17]	-3.30 (3.40) [0.34]	- - -	- - -
Southwest	7.56 (7.22) [0.30]	4.37 (5.63) [0.44]	- - -	- - -
West	-1.73 (2.62) [0.51]	1.68 (4.03) [0.68]	- - -	- - -
Observations	792	677	894	439

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of usually shopping for fruits and vegetables at a small local store/corner store. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-14. Usual fruit and vegetable purchase location: farmers market/co-op

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	0.59 (3.11) [0.85]	9.65** (3.79) [0.01]	2.11 (3.29) [0.52]	-1.77 (5.61) [0.75]
Outcome^a	27.72*** (2.81) [<0.01]	32.05*** (2.44) [<0.01]	27.19*** (2.32) [<0.01]	29.32*** (3.11) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	-2.36 (5.76) [0.68]	3.57 (3.76) [0.35]	4.33 (4.25) [0.31]	-6.80 (5.59) [0.23]
Don't know if matching amount(s) received	-1.65 (3.99) [0.68]	-7.56 (5.95) [0.21]	1.32 (4.13) [0.75]	-4.27 (5.41) [0.43]
Health status [fair/poor, reference]^a				
Very good/excellent	-2.68 (4.26) [0.53]	0.68 (5.43) [0.90]	-1.73 (3.84) [0.65]	-1.26 (6.72) [0.85]
Good	0.19 (2.85) [0.95]	4.31 (2.84) [0.14]	-0.76 (3.45) [0.83]	-2.19 (4.27) [0.61]
Gender [male, reference]^a				
Female	5.96 (3.63) [0.11]	1.96 (4.36) [0.66]	1.25 (3.00) [0.68]	-7.62 (4.92) [0.13]
Marital status [never married, reference]^a				
Married	8.29 (6.52) [0.21]	-5.53 (4.34) [0.21]	9.23* (5.33) [0.09]	14.75** (7.30) [0.05]
Widowed/divorced/separated	5.57 (3.67) [0.13]	-6.74* (3.63) [0.07]	-0.05 (3.64) [0.99]	0.83 (5.12) [0.87]

Table K-14. Usual fruit and vegetable purchase location: farmers market/co-op (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-8.08* (4.25) [0.06]	-2.10 (4.15) [0.61]	4.69 (3.48) [0.18]	9.50* (5.32) [0.08]
60 or older	-8.58 (6.34) [0.18]	-5.11 (9.38) [0.59]	9.26 (6.49) [0.16]	12.79 (9.00) [0.16]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	0.90 (4.66) [0.85]	-6.88 (7.54) [0.37]	-0.58 (3.18) [0.86]	-0.58 (5.25) [0.91]
Hispanic	4.98 (4.34) [0.26]	-8.14 (5.76) [0.16]	-5.46 (6.78) [0.42]	-9.85 (8.83) [0.27]
Born outside the U.S. [not born outside the U.S., reference] ^a	2.76 (4.12) [0.51]	6.92* (3.97) [0.09]	-8.78** (3.41) [0.01]	-15.95*** (4.52) [<0.01]
Education level [less than high school, reference] ^a				
High school	0.76 (4.23) [0.86]	4.93 (6.32) [0.44]	4.40 (4.73) [0.36]	1.21 (5.95) [0.84]
Some college/associate's degree	5.32 (5.12) [0.30]	11.34* (6.16) [0.07]	1.74 (4.10) [0.67]	-3.24 (6.20) [0.60]
College graduate or above	9.55 (7.86) [0.23]	-6.05 (7.08) [0.40]	-6.76 (6.72) [0.32]	-11.37 (9.21) [0.22]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	7.86 (5.13) [0.13]	2.05 (4.63) [0.66]	0.31 (5.44) [0.95]	3.63 (7.44) [0.63]
Distance to closest participating FINI retailer (miles) ^a	-1.04 (0.99) [0.30]	-1.83* (1.01) [0.08]	1.29* (0.71) [0.08]	0.85 (1.00) [0.40]
Household size ^a	-2.01 (1.65) [0.23]	-5.35*** (1.62) [<0.01]	-2.49 (1.73) [0.16]	-2.76 (2.05) [0.18]
Children present in household [no children present in household, reference] ^a	-3.77 (5.16) [0.47]	4.17 (5.07) [0.41]	5.16 (5.58) [0.36]	9.30 (6.61) [0.16]

Table K-14. Usual fruit and vegetable purchase location: farmers market/co-op (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	6.83 (5.51) [0.22]	-0.08 (7.68) [0.99]	-3.22 (4.41) [0.47]	-4.32 (6.16) [0.49]
Percentage of local area receiving SNAP ^a	-0.13 (0.09) [0.16]	-0.10 (0.15) [0.50]	0.17 (0.10) [0.10]	0.22 (0.14) [0.12]
Living in urban area [living in rural area, reference] ^a	-13.61* (7.66) [0.08]	2.55 (5.98) [0.67]	-3.80 (4.98) [0.45]	0.39 (6.86) [0.95]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-8.02 (7.52) [0.29]	0.24 (7.47) [0.97]	- - -	- - -
Mountain Plains	-7.86 (6.15) [0.21]	9.55 (7.05) [0.18]	- - -	- - -
Northeast	-6.16 (5.10) [0.23]	5.39 (6.35) [0.40]	- - -	- - -
Southeast	-4.56 (7.11) [0.52]	-6.84 (9.80) [0.49]	- - -	- - -
Southwest	-7.63 (7.47) [0.31]	4.98 (8.85) [0.58]	- - -	- - -
West	-4.59 (4.14) [0.27]	2.87 (6.37) [0.65]	- - -	- - -
Observations	792	677	894	439

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of usually shopping for fruits and vegetables at a farmers market/co-op. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model.

Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-15. Probability that SNAP participant always or most of the time makes a special effort to go to a particular store to purchase high-quality fruits and vegetables

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.80 (3.62) [0.62]	0.03 (3.03) [0.99]	4.72 (3.23) [0.15]	4.26 (4.76) [0.37]
Outcome^a	26.13*** (2.60) [<0.01]	31.24*** (2.94) [<0.01]	36.94*** (1.63) [<0.01]	34.30*** (3.04) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	13.63** (6.36) [0.04]	5.71 (3.81) [0.14]	-1.50 (4.61) [0.75]	1.06 (6.68) [0.87]
Don't know if matching amount(s) received	-2.80 (3.81) [0.46]	0.17 (5.52) [0.98]	-3.24 (3.54) [0.36]	-3.24 (5.40) [0.55]
Health status [fair/poor, reference] ^a				
Very good/excellent	8.25* (4.88) [0.10]	7.82* (4.34) [0.08]	-0.58 (4.26) [0.89]	-2.02 (6.94) [0.77]
Good	4.59 (3.38) [0.18]	2.97 (4.11) [0.47]	-1.78 (3.27) [0.59]	-8.95* (4.60) [0.06]
Gender [male, reference] ^a				
Female	-4.12 (3.99) [0.31]	6.35 (4.21) [0.14]	-3.54 (3.71) [0.34]	-10.48** (4.75) [0.03]
Marital status [never married, reference] ^a				
Married	6.30 (5.78) [0.28]	4.28 (6.64) [0.52]	-1.39 (5.78) [0.81]	-2.27 (7.32) [0.76]
Widowed/divorced/separated	0.93 (4.06) [0.82]	3.32 (3.66) [0.37]	4.68 (3.86) [0.23]	5.50 (5.95) [0.36]

Table K-15. Probability that SNAP participant always or most of the time makes a special effort to go to a particular store to purchase high-quality fruits and vegetables (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	2.45 (4.25) [0.57]	4.34 (4.63) [0.35]	2.79 (4.04) [0.49]	5.12 (6.72) [0.45]
60 or older	11.97 (7.73) [0.13]	11.95 (9.19) [0.20]	5.99 (6.67) [0.37]	8.69 (9.96) [0.39]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	8.52* (4.72) [0.08]	-7.64 (14.86) [0.61]	2.09 (3.68) [0.57]	3.20 (5.52) [0.56]
Hispanic	-5.08 (4.31) [0.24]	-4.55 (6.44) [0.48]	9.75 (8.03) [0.23]	26.04*** (8.47) [<0.01]
Born outside the U.S. [not born outside the U.S., reference] ^a	2.41 (4.60) [0.60]	2.37 (5.74) [0.68]	-2.00 (4.34) [0.65]	-7.04 (7.63) [0.36]
Education level [less than high school, reference]^a				
High school	0.72 (5.19) [0.89]	-5.86 (7.14) [0.42]	2.28 (4.01) [0.57]	12.39* (6.68) [0.07]
Some college/associate's degree	1.49 (5.75) [0.80]	0.61 (7.75) [0.94]	9.06** (4.44) [0.05]	14.80** (5.85) [0.01]
College graduate or above	7.14 (6.20) [0.25]	0.82 (7.07) [0.91]	-14.34* (8.21) [0.09]	0.69 (9.95) [0.94]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-4.92 (5.50) [0.37]	-8.45 (7.04) [0.24]	-4.41 (4.87) [0.37]	8.98 (9.11) [0.33]
Distance to closest participating FINI retailer (miles) ^a	2.51*** (0.81) [<0.01]	-0.88 (1.21) [0.47]	-0.04 (0.73) [0.95]	-1.21 (1.10) [0.27]
Household size ^a	-0.82 (1.50) [0.59]	2.92 (2.18) [0.19]	4.84*** (1.45) [<0.01]	5.50** (2.42) [0.03]
Children present in household [no children present in household, reference] ^a	7.74 (5.61) [0.17]	-3.21 (5.99) [0.59]	-6.42 (4.76) [0.18]	-1.66 (7.48) [0.83]

Table K-15. Probability that SNAP participant always or most of the time makes a special effort to go to a particular store to purchase high-quality fruits and vegetables (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	3.92 (6.26) [0.53]	-6.25 (6.90) [0.37]	-2.39 (5.19) [0.65]	0.01 (7.95) [1.00]
Percentage of local area receiving SNAP ^a	0.08 (0.12) [0.50]	-0.07 (0.16) [0.66]	0.14 (0.11) [0.20]	0.07 (0.18) [0.72]
Living in urban area [living in rural area, reference] ^a	1.79 (9.71) [0.85]	-1.60 (6.51) [0.81]	0.03 (5.36) [1.00]	-3.26 (7.44) [0.66]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-14.74** (7.28) [0.05]	-3.25 (8.42) [0.70]	- - -	- - -
Mountain Plains	-21.88*** (7.08) [<0.01]	-8.61 (8.10) [0.29]	- - -	- - -
Northeast	-0.69 (5.06) [0.89]	-1.79 (5.87) [0.76]	- - -	- - -
Southeast	-10.01 (7.17) [0.17]	-3.32 (14.03) [0.81]	- - -	- - -
Southwest	6.44 (11.27) [0.57]	-0.99 (8.30) [0.91]	- - -	- - -
West	-8.79* (5.23) [0.10]	-6.39 (6.51) [0.33]	- - -	- - -
Observations	805	686	911	445

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of always or most of the time making special efforts to go to a particular store to buy high-quality fruits and vegetables. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-16. Probability that SNAP participant purchased any fruits or vegetables once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	4.35 (3.16) [0.17]	1.03 (3.86) [0.79]	0.92 (3.83) [0.81]	0.09 (5.85) [0.99]
Outcome^a	33.59*** (2.21) [<0.01]	30.34*** (2.25) [<0.01]	32.43*** (1.89) [<0.01]	31.39*** (3.23) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	2.22 (6.40) [0.73]	7.72** (3.63) [0.04]	2.83 (4.66) [0.55]	2.89 (6.49) [0.66]
Don't know if matching amount(s) received	-3.27 (3.36) [0.33]	3.21 (4.49) [0.48]	-9.53** (4.31) [0.03]	-13.69** (5.28) [0.01]
Health status [fair/poor, reference]^a				
Very good/excellent	1.83 (4.66) [0.70]	2.37 (3.32) [0.48]	11.09** (4.68) [0.02]	9.55 (6.22) [0.13]
Good	3.81 (3.15) [0.23]	1.19 (3.47) [0.73]	2.99 (3.16) [0.35]	6.96 (5.61) [0.22]
Gender [male, reference]^a				
Female	1.24 (3.29) [0.71]	-0.21 (3.16) [0.95]	-10.72*** (3.31) [<0.01]	-16.58*** (4.45) [<0.01]
Marital status [never married, reference]^a				
Married	12.46** (5.25) [0.02]	4.21 (5.32) [0.43]	3.96 (5.87) [0.50]	3.92 (8.99) [0.66]
Widowed/divorced/ separated	-1.31 (3.96) [0.74]	2.20 (3.68) [0.55]	5.06 (4.02) [0.21]	9.28* (5.08) [0.07]

Table K-16. Probability that SNAP participant purchased any fruits or vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-0.18 (4.03) [0.97]	-1.39 (3.94) [0.73]	-4.80 (4.09) [0.25]	-2.26 (5.50) [0.68]
60 or older	0.56 (6.84) [0.93]	-12.21 (7.77) [0.12]	6.35 (5.20) [0.23]	15.65** (7.63) [0.04]
Race/ethnicity [non- black & non-Hispanic, reference]^a				
Black	-1.70 (5.01) [0.74]	-17.64** (8.70) [0.05]	-8.09** (3.83) [0.04]	-9.80 (6.03) [0.11]
Hispanic	-2.66 (4.46) [0.55]	9.99** (4.53) [0.03]	-4.67 (7.06) [0.51]	-3.16 (10.92) [0.77]
Born outside the U.S. [not born outside the U.S., reference] ^a	11.09*** (3.90) [0.01]	-2.07 (4.61) [0.66]	-2.73 (4.60) [0.56]	8.25 (5.47) [0.14]
Education level [less than high school, reference]^a				
High school	-4.60 (4.09) [0.27]	-2.81 (4.87) [0.57]	9.92* (5.14) [0.06]	8.96 (8.04) [0.27]
Some college/ associate's degree	-4.05 (4.33) [0.35]	1.99 (4.67) [0.67]	3.01 (5.53) [0.59]	5.45 (9.51) [0.57]
College graduate or above	7.10 (6.93) [0.31]	0.46 (5.18) [0.93]	8.98 (6.57) [0.18]	31.03*** (8.84) [<0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	0.25 (4.78) [0.96]	8.79** (4.09) [0.04]	1.04 (5.24) [0.84]	-3.44 (8.64) [0.69]
Distance to closest participating FINI retailer (miles) ^a	0.23 (0.84) [0.78]	-0.41 (1.03) [0.69]	1.09 (0.78) [0.17]	-0.27 (1.31) [0.84]
Household size ^a	-2.33 (1.59) [0.15]	-3.60** (1.53) [0.02]	2.81 (1.73) [0.11]	5.71** (2.39) [0.02]

Table K-16. Probability that SNAP participant purchased any fruits or vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Children present in household [no children present in household, reference] ^a	19.65*** (4.87) [<0.01]	10.44** (4.90) [0.04]	7.10 (5.01) [0.16]	7.46 (7.85) [0.35]
Elderly present in household [no elderly present in household, reference] ^a	1.16 (5.51) [0.83]	7.23 (5.04) [0.16]	-3.94 (4.51) [0.39]	-13.47** (5.44) [0.02]
Percentage of local area receiving SNAP ^a	-0.24* (0.13) [0.07]	-0.25** (0.12) [0.04]	-0.19 (0.13) [0.16]	-0.14 (0.16) [0.38]
Living in urban area [living in rural area, reference] ^a	8.25 (8.29) [0.32]	-0.26 (5.81) [0.96]	6.10 (5.43) [0.27]	3.17 (6.76) [0.64]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-0.70 (6.12) [0.91]	2.74 (8.29) [0.74]	- - -	- - -
Mountain Plains	4.24 (6.42) [0.51]	0.64 (6.44) [0.92]	- - -	- - -
Northeast	1.63 (4.04) [0.69]	8.22* (4.90) [0.10]	- - -	- - -
Southeast	-10.25 (6.39) [0.11]	25.20*** (5.33) [<0.01]	- - -	- - -
Southwest	0.23 (8.70) [0.98]	-7.15 (8.33) [0.39]	- - -	- - -
West	-3.46 (4.48) [0.44]	12.78** (5.32) [0.02]	- - -	- - -
Observations	787	674	896	438

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing any fruits or vegetables once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-17. Probability that SNAP participant purchased any fruits once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	4.84 (3.29) [0.15]	2.45 (4.35) [0.58]	4.33 (4.20) [0.31]	3.16 (6.19) [0.61]
Outcome ^a	33.19*** (2.37) [<0.01]	33.31*** (1.86) [<0.01]	32.14*** (2.41) [<0.01]	28.82*** (3.59) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-0.79 (6.73) [0.91]	7.40* (3.81) [0.06]	1.58 (4.64) [0.73]	3.49 (6.59) [0.60]
Don't know if matching amount(s) received	-9.27** (3.60) [0.01]	2.87 (5.08) [0.57]	-9.18** (4.13) [0.03]	-10.16* (5.28) [0.06]
Health status [fair/ poor, reference] ^a				
Very good/excellent	5.80 (4.82) [0.23]	2.85 (3.48) [0.42]	7.67 (4.99) [0.13]	8.54 (6.69) [0.21]
Good	6.22* (3.40) [0.07]	-0.89 (3.81) [0.82]	1.21 (3.61) [0.74]	6.84 (6.31) [0.28]
Gender [male, reference] ^a				
Female	1.66 (3.67) [0.65]	-0.19 (3.40) [0.96]	-11.67*** (3.46) [<0.01]	-17.07*** (5.06) [<0.01]
Marital status [never married, reference] ^a				
Married	17.76*** (5.72) [<0.01]	7.93 (5.01) [0.12]	2.96 (6.18) [0.63]	5.42 (9.63) [0.58]
Widowed/divorced/ separated	0.31 (4.44) [0.94]	-0.11 (4.05) [0.98]	3.30 (3.84) [0.39]	8.11 (5.67) [0.16]

Table K-17. Probability that SNAP participant purchased any fruits once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	4.09 (4.29) [0.34]	-3.56 (4.25) [0.41]	-4.36 (4.10) [0.29]	-2.59 (6.36) [0.69]
60 or older	3.83 (7.95) [0.63]	-8.15 (9.05) [0.37]	2.08 (5.52) [0.71]	13.39 (8.63) [0.13]
Race/ethnicity [non- black & non-Hispanic, reference]^a				
Black	2.35 (4.95) [0.64]	-12.33 (7.84) [0.12]	-7.52* (3.96) [0.06]	-10.04 (6.47) [0.13]
Hispanic	-2.85 (4.63) [0.54]	3.95 (5.49) [0.48]	1.32 (7.05) [0.85]	1.73 (10.80) [0.87]
Born outside the U.S. [not born outside the U.S., reference]^a	5.73* (3.43) [0.10]	-0.39 (4.73) [0.93]	-0.94 (4.71) [0.84]	9.97 (6.30) [0.12]
Education level [less than high school, reference]^a				
High school	0.51 (4.22) [0.90]	-1.55 (5.67) [0.79]	5.99 (5.22) [0.26]	5.05 (8.05) [0.53]
Some college/ associate's degree	-2.14 (3.78) [0.57]	0.63 (5.78) [0.91]	-0.68 (5.49) [0.90]	3.98 (9.66) [0.68]
College graduate or above	4.98 (6.90) [0.47]	-5.54 (6.91) [0.43]	9.13 (6.71) [0.18]	25.81* (13.79) [0.07]
\$20,000 or more yearly income [less \$20,000 yearly income, reference]^a	0.59 (5.29) [0.91]	1.04 (4.61) [0.82]	2.66 (6.07) [0.66]	-0.70 (9.82) [0.94]
Distance to closest participating FINI retailer (miles)^a	0.10 (0.93) [0.91]	-0.95 (1.06) [0.37]	0.43 (0.83) [0.61]	-1.18 (1.32) [0.38]
Household size^a	-1.40 (1.57) [0.38]	-4.15** (1.68) [0.02]	2.07 (1.90) [0.28]	5.15* (3.00) [0.09]

Table K-17. Probability that SNAP participant purchased any fruits once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Children present in household [no children present in household, reference] ^a	16.78*** (5.21) [<0.01]	13.61*** (4.95) [0.01]	12.34** (5.12) [0.02]	13.74 (8.79) [0.12]
Elderly present in household [no elderly present in household, reference] ^a	-1.74 (7.14) [0.81]	5.54 (6.70) [0.41]	3.37 (4.23) [0.43]	-6.01 (7.10) [0.40]
Percentage of local area receiving SNAP ^a	-0.23* (0.13) [0.07]	-0.12 (0.14) [0.39]	-0.30** (0.15) [0.04]	-0.17 (0.19) [0.37]
Living in urban area [living in rural area, reference] ^a	4.15 (8.81) [0.64]	-1.41 (5.34) [0.79]	7.32 (5.22) [0.17]	4.06 (7.30) [0.58]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-1.33 (7.33) [0.86]	-0.14 (8.55) [0.99]	- - -	- - -
Mountain Plains	2.98 (7.38) [0.69]	-4.27 (7.31) [0.56]	- - -	- - -
Northeast	3.91 (4.23) [0.36]	3.91 (5.46) [0.48]	- - -	- - -
Southeast	-14.48*** (5.27) [0.01]	23.98** (9.40) [0.01]	- - -	- - -
Southwest	9.85 (7.51) [0.20]	0.72 (8.78) [0.93]	- - -	- - -
West	0.94 (5.09) [0.85]	16.43*** (5.91) [0.01]	- - -	- - -
Observations	783	671	893	435

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing any fruits once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-18. Probability that SNAP participant purchased fresh fruit once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	4.15 (3.49) [0.24]	-1.54 (4.13) [0.71]	4.72 (4.24) [0.27]	8.57 (6.36) [0.18]
Outcome^a	32.96*** (2.57) [<0.01]	35.03*** (1.97) [<0.01]	33.65*** (2.50) [<0.01]	27.90*** (4.26) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.09 (5.93) [0.85]	7.83** (3.88) [0.05]	0.35 (5.43) [0.95]	7.07 (6.95) [0.31]
Don't know if matching amount(s) received	-7.82** (3.78) [0.04]	2.34 (5.50) [0.67]	-10.40*** (3.69) [0.01]	-17.88*** (5.63) [<0.01]
Health status [fair/poor, reference] ^a				
Very good/excellent	1.81 (3.99) [0.65]	5.30 (3.84) [0.17]	5.28 (5.37) [0.33]	0.59 (6.74) [0.93]
Good	4.90 (3.30) [0.14]	-4.72 (3.43) [0.18]	2.18 (3.56) [0.54]	7.55 (6.97) [0.28]
Gender [male, reference] ^a				
Female	-0.68 (3.72) [0.86]	1.18 (3.78) [0.76]	-9.84** (3.91) [0.01]	-15.87*** (5.43) [<0.01]
Marital status [never married, reference] ^a				
Married	22.78*** (6.40) [<0.01]	8.30 (4.99) [0.10]	7.46 (5.57) [0.19]	2.89 (8.02) [0.72]
Widowed/divorced/separated	5.53 (4.60) [0.23]	-2.86 (4.04) [0.48]	4.60 (3.72) [0.22]	7.32 (6.13) [0.24]

Table K-18. Probability that SNAP participant purchased fresh fruit once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	3.76 (4.76) [0.43]	-1.75 (4.97) [0.73]	-3.35 (4.26) [0.43]	1.04 (6.37) [0.87]
60 or older	5.51 (8.08) [0.50]	-6.50 (9.01) [0.47]	5.72 (7.07) [0.42]	15.60* (9.03) [0.09]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-5.71 (4.44) [0.20]	-29.29*** (8.80) [<0.01]	-10.73** (4.37) [0.02]	-20.40*** (6.42) [<0.01]
Hispanic	-2.89 (5.46) [0.60]	5.39 (5.85) [0.36]	2.21 (7.48) [0.77]	8.79 (9.56) [0.36]
Born outside the U.S. [not born outside the U.S., reference] ^a	10.35*** (3.81) [0.01]	0.14 (5.55) [0.98]	-1.09 (4.67) [0.82]	8.03 (7.03) [0.26]
Education level [less than high school, reference]^a				
High school	-4.56 (4.26) [0.29]	-2.51 (6.94) [0.72]	1.07 (4.97) [0.83]	0.23 (7.55) [0.98]
Some college/associate's degree	-1.86 (4.50) [0.68]	0.62 (6.52) [0.92]	-0.48 (5.79) [0.93]	6.48 (9.16) [0.48]
College graduate or above	-4.20 (7.49) [0.58]	-0.40 (7.14) [0.96]	10.19 (7.50) [0.18]	27.21* (14.20) [0.06]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	0.68 (5.79) [0.91]	-3.99 (5.13) [0.44]	-1.14 (6.06) [0.85]	-2.35 (8.30) [0.78]
Distance to closest participating FINI retailer (miles) ^a	0.98 (0.98) [0.32]	-1.34 (1.03) [0.20]	0.79 (0.92) [0.40]	-0.79 (1.26) [0.53]
Household size ^a	-0.78 (1.57) [0.62]	-4.48** (1.73) [0.01]	2.81 (1.78) [0.12]	5.87* (3.06) [0.06]

Table K-18. Probability that SNAP participant purchased fresh fruit once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Children present in household [no children present in household, reference] ^a	9.03 (5.52) [0.11]	16.60*** (4.81) [<0.01]	6.94 (5.22) [0.19]	7.59 (8.33) [0.37]
Elderly present in household [no elderly present in household, reference] ^a	-5.33 (6.59) [0.42]	7.37 (6.82) [0.28]	-0.85 (5.56) [0.88]	-5.61 (8.23) [0.50]
Percentage of local area receiving SNAP ^a	-0.23* (0.13) [0.08]	-0.14 (0.14) [0.34]	-0.17 (0.16) [0.29]	-0.10 (0.19) [0.60]
Living in urban area [living in rural area, reference] ^a	9.03 (7.43) [0.23]	-0.77 (5.61) [0.89]	6.80 (5.52) [0.22]	6.42 (7.16) [0.37]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-12.73* (7.19) [0.08]	5.17 (9.60) [0.59]	- - -	- - -
Mountain Plains	-7.05 (7.36) [0.34]	-4.04 (8.15) [0.62]	- - -	- - -
Northeast	-6.07 (5.11) [0.24]	4.29 (5.82) [0.46]	- - -	- - -
Southeast	-15.46** (5.94) [0.01]	20.43* (10.33) [0.05]	- - -	- - -
Southwest	2.97 (8.70) [0.73]	5.90 (8.87) [0.51]	- - -	- - -
West	-3.11 (5.75) [0.59]	18.41** (6.92) [0.01]	- - -	- - -
Observations	758	661	870	423

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh fruits once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-19. Probability that SNAP participant purchased frozen fruit once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	5.67** (2.72) [0.04]	- - -	-1.54 (2.55) [0.55]	4.73 (5.14) [0.36]
Outcome ^a	14.35*** (3.45) [<0.01]	- - -	14.85*** (3.63) [<0.01]	12.71** (5.49) [0.02]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	4.80 (3.90) [0.22]	- - -	6.91 (5.30) [0.20]	4.37 (8.62) [0.61]
Don't know if matching amount(s) received	0.23 (3.42) [0.95]	- - -	-2.87 (2.70) [0.29]	-7.41 (4.60) [0.11]
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.54 (3.29) [0.64]	- - -	2.18 (3.88) [0.58]	2.82 (5.39) [0.60]
Good	0.81 (3.23) [0.80]	- - -	-3.88 (3.03) [0.21]	-2.77 (4.97) [0.58]
Gender [male, reference] ^a				
Female	2.15 (3.01) [0.48]	- - -	0.72 (2.54) [0.78]	-2.09 (3.58) [0.56]
Marital status [never married, reference] ^a				
Married	-5.04 (4.28) [0.24]	- - -	-1.45 (4.13) [0.73]	2.03 (5.69) [0.72]
Widowed/divorced/separated	-3.26 (3.10) [0.30]	- - -	1.44 (2.46) [0.56]	4.67 (4.45) [0.30]

Table K-19. Probability that SNAP participant purchased frozen fruit once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-1.63 (3.28) [0.62]	- - -	0.84 (3.91) [0.83]	1.49 (6.06) [0.81]
60 or older	1.50 (5.69) [0.79]	- - -	-3.11 (5.22) [0.55]	2.86 (14.34) [0.84]
Race/ethnicity [non- black & non-Hispanic, reference] ^a				
Black	5.84 (3.86) [0.13]	- - -	-1.27 (3.38) [0.71]	1.57 (5.50) [0.78]
Hispanic	-2.91 (3.01) [0.34]	- - -	-6.35 (4.32) [0.15]	-2.86 (8.22) [0.73]
Born outside the U.S. [not born outside the U.S., reference] ^a	6.89** (3.23) [0.04]	- - -	-0.08 (3.51) [0.98]	-1.60 (7.60) [0.83]
Education level [less than high school, reference] ^a				
High school	-4.18 (4.24) [0.33]	- - -	-2.45 (4.30) [0.57]	-4.79 (7.05) [0.50]
Some college/ associate's degree	-6.17 (4.77) [0.20]	- - -	-3.38 (4.19) [0.42]	-4.84 (6.96) [0.49]
College graduate or above	-11.96*** (4.31) [0.01]	- - -	-2.44 (6.63) [0.71]	-2.43 (9.55) [0.80]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-2.55 (3.30) [0.44]	- - -	-2.66 (3.94) [0.50]	-4.86 (4.76) [0.31]
Distance to closest participating FINI retailer (miles) ^a	1.82*** (0.60) [<0.01]	- - -	1.17 (0.78) [0.14]	-0.26 (1.23) [0.84]
Household size ^a	-0.43 (1.29) [0.74]	- - -	0.25 (1.33) [0.85]	1.39 (1.48) [0.35]
Children present in household [no children present in household, reference] ^a	11.09*** (3.93) [0.01]	- - -	4.08 (5.12) [0.43]	4.52 (7.32) [0.54]

Table K-19. Probability that SNAP participant purchased frozen fruit once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-4.81 (3.99) [0.23]	- - -	1.93 (4.34) [0.66]	0.99 (11.62) [0.93]
Percentage of local area receiving SNAP ^a	-0.13 (0.11) [0.24]	- - -	-0.02 (0.08) [0.83]	-0.19 (0.12) [0.12]
Living in urban area [living in rural area, reference] ^a	11.74*** (2.25) [<0.01]	- - -	5.08 (4.17) [0.23]	7.41 (5.56) [0.19]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-2.02 (6.17) [0.75]	- - -	- - -	- - -
Mountain Plains	-3.05 (4.82) [0.53]	- - -	- - -	- - -
Northeast	-0.58 (3.90) [0.88]	- - -	- - -	- - -
Southeast	-3.93 (3.73) [0.30]	- - -	- - -	- - -
Southwest	4.72 (9.25) [0.61]	- - -	- - -	- - -
West	0.81 (3.62) [0.82]	- - -	- - -	- - -
Observations	665	591	754	374

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen fruit once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-20. Probability that SNAP participant purchased canned fruit once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-1.13 (2.96) [0.70]	-2.23 (3.11) [0.48]	-5.37* (3.19) [0.10]	-6.17 (4.91) [0.21]
Outcome^a	22.90*** (2.26) [<0.01]	17.24*** (3.26) [<0.01]	22.26*** (2.21) [<0.01]	21.86*** (3.29) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-3.11 (5.26) [0.56]	1.41 (3.70) [0.71]	-0.39 (3.91) [0.92]	-10.86** (4.92) [0.03]
Don't know if matching amount(s) received	-0.36 (3.48) [0.92]	0.33 (4.20) [0.94]	-3.84 (2.95) [0.20]	-4.68 (4.25) [0.28]
Health status [fair/poor, reference] ^a				
Very good/excellent	8.38** (3.86) [0.03]	-2.85 (3.10) [0.36]	2.44 (4.97) [0.62]	-0.21 (5.22) [0.97]
Good	2.83 (3.05) [0.36]	1.84 (3.25) [0.57]	-4.85 (3.61) [0.18]	-1.69 (4.27) [0.69]
Gender [male, reference] ^a				
Female	-1.84 (3.28) [0.58]	-2.41 (3.39) [0.48]	-3.29 (3.62) [0.37]	-4.32 (5.90) [0.47]
Marital status [never married, reference] ^a				
Married	2.07 (4.61) [0.66]	-2.38 (4.23) [0.58]	-2.30 (4.53) [0.61]	9.19 (6.39) [0.16]
Widowed/divorced/separated	-2.35 (2.97) [0.43]	-0.84 (3.75) [0.82]	-1.63 (3.91) [0.68]	8.86* (5.24) [0.10]

Table K-20. Probability that SNAP participant purchased canned fruit once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	1.56 (3.59) [0.66]	-0.24 (3.74) [0.95]	-0.08 (3.67) [0.98]	2.05 (4.26) [0.63]
60 or older	7.79 (6.23) [0.22]	-0.72 (7.03) [0.92]	2.73 (6.59) [0.68]	15.04 (10.75) [0.17]
Race/ethnicity [non- black & non-Hispanic, reference]^a				
Black	5.49 (3.96) [0.17]	-5.97 (4.34) [0.18]	-6.86** (3.16) [0.03]	0.55 (4.73) [0.91]
Hispanic	4.00 (3.64) [0.28]	7.13 (4.67) [0.13]	-9.13 (5.55) [0.11]	-5.32 (7.05) [0.45]
Born outside the U.S. [not born outside the U.S., reference] ^a	-3.67 (3.45) [0.29]	-3.64 (3.64) [0.32]	1.58 (5.06) [0.76]	-0.25 (9.15) [0.98]
Education level [less than high school, reference]^a				
High school	-3.11 (5.28) [0.56]	-2.60 (6.56) [0.69]	-3.61 (4.29) [0.40]	12.07** (5.40) [0.03]
Some college/ associate's degree	-4.86 (5.17) [0.35]	-8.66 (6.27) [0.17]	-7.16* (3.70) [0.06]	6.49* (3.77) [0.09]
College graduate or above	-10.97** (5.29) [0.04]	-13.07* (6.64) [0.05]	-8.19 (5.11) [0.11]	7.77 (6.26) [0.22]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-0.12 (3.96) [0.98]	5.76 (4.37) [0.19]	3.12 (4.78) [0.52]	-3.58 (4.80) [0.46]
Distance to closest participating FINI retailer (miles) ^a	-0.36 (0.65) [0.58]	-1.34 (0.84) [0.12]	0.85 (0.71) [0.23]	-0.01 (0.99) [1.00]
Household size ^a	0.03 (1.25) [0.98]	-0.26 (1.45) [0.86]	0.79 (1.43) [0.58]	0.60 (1.85) [0.75]
Children present in household [no children present in household, reference] ^a	3.14 (5.19) [0.55]	4.88 (4.43) [0.28]	9.01* (5.02) [0.08]	13.39** (6.37) [0.04]

Table K-20. Probability that SNAP participant purchased canned fruit once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-2.05 (4.40) [0.64]	-1.34 (3.78) [0.72]	3.68 (4.93) [0.46]	-6.18 (6.73) [0.36]
Percentage of local area receiving SNAP ^a	-0.04 (0.09) [0.69]	-0.10 (0.10) [0.33]	-0.02 (0.10) [0.88]	0.03 (0.09) [0.77]
Living in urban area [living in rural area, reference] ^a	2.54 (5.69) [0.66]	-4.52 (6.13) [0.46]	3.46 (4.39) [0.43]	1.01 (5.20) [0.85]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	8.26 (7.06) [0.25]	5.90 (4.07) [0.15]	- - -	- - -
Mountain Plains	-10.97*** (3.26) [<0.01]	7.66 (5.16) [0.14]	- - -	- - -
Northeast	-1.06 (2.80) [0.71]	5.01 (4.83) [0.30]	- - -	- - -
Southeast	12.17** (4.95) [0.02]	29.24* (16.19) [0.08]	- - -	- - -
Southwest	4.49 (8.33) [0.59]	8.21 (5.16) [0.12]	- - -	- - -
West	1.10 (4.23) [0.80]	8.09* (4.44) [0.07]	- - -	- - -
Observations	678	597	789	388

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned fruit once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-21. Probability that SNAP participant purchased dried fruit once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	- - -	-0.78 (2.05) [0.71]	-4.21** (1.84) [0.03]	-1.92 (2.67) [0.47]
Outcome ^a	- - -	5.98* (3.00) [0.05]	9.64*** (2.66) [<0.01]	5.87 (4.11) [0.16]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	- - -	1.36 (2.40) [0.57]	2.73 (2.91) [0.35]	4.10 (5.29) [0.44]
Don't know if matching amount(s) received	- - -	0.85 (2.26) [0.71]	-1.61 (1.87) [0.39]	-0.28 (3.29) [0.93]
Health status [fair/poor, reference] ^a				
Very good/excellent	- - -	8.22** (3.72) [0.03]	0.53 (2.49) [0.83]	-3.23 (3.30) [0.33]
Good	- - -	0.84 (1.73) [0.63]	-1.04 (1.72) [0.55]	-1.38 (2.99) [0.65]
Gender [male, reference] ^a				
Female	- - -	-2.05 (2.58) [0.43]	1.13 (1.93) [0.56]	-3.71 (3.32) [0.27]
Marital status [never married, reference] ^a				
Married	- - -	-0.28 (2.77) [0.92]	2.27 (3.83) [0.56]	8.95 (6.19) [0.15]
Widowed/divorced/separated	- - -	-1.61 (2.01) [0.43]	0.12 (2.71) [0.97]	4.64 (4.02) [0.25]

Table K-21. Probability that SNAP participant purchased dried fruit once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	- - -	4.90** (2.28) [0.04]	-3.55 (3.21) [0.27]	-0.66 (4.88) [0.89]
60 or older	- - -	3.64 (3.92) [0.36]	-3.66 (4.06) [0.37]	-5.14 (5.40) [0.35]
Race/ethnicity [non- black & non-Hispanic, reference] ^a				
Black	- - -	8.42 (7.03) [0.24]	2.95 (2.25) [0.20]	1.96 (3.63) [0.59]
Hispanic	- - -	0.37 (2.39) [0.88]	-3.12 (2.04) [0.13]	-2.41 (3.45) [0.49]
Born outside the U.S. [not born outside the U.S., reference] ^a	- - -	3.29 (3.28) [0.32]	2.00 (2.41) [0.41]	-2.59 (2.95) [0.38]
Education level [less than high school, reference] ^a				
High school	- - -	-10.52** (4.58) [0.03]	-0.81 (2.93) [0.78]	-1.03 (3.00) [0.73]
Some college/ associate's degree	- - -	-5.87 (5.75) [0.31]	-1.78 (3.08) [0.56]	-0.72 (4.00) [0.86]
College graduate or above	- - -	-12.18** (4.68) [0.01]	-1.01 (4.34) [0.82]	11.20 (13.56) [0.41]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	- - -	-3.91** (1.67) [0.02]	0.85 (3.15) [0.79]	-4.58* (2.51) [0.07]
Distance to closest participating FINI retailer (miles) ^a	- - -	-0.04 (0.64) [0.95]	0.49 (0.34) [0.15]	0.89 (0.59) [0.14]
Household size ^a	- - -	1.28 (0.95) [0.18]	0.41 (0.80) [0.61]	1.02 (1.01) [0.32]
Children present in household [no children present in household, reference] ^a	- - -	-1.24 (3.32) [0.71]	-1.46 (2.79) [0.60]	2.49 (3.98) [0.53]

Table K-21. Probability that SNAP participant purchased dried fruit once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	- - -	0.14 (2.73) [0.96]	1.98 (2.76) [0.48]	4.60 (5.70) [0.42]
Percentage of local area receiving SNAP ^a	- - -	-0.03 (0.10) [0.78]	-0.04 (0.05) [0.40]	-0.02 (0.08) [0.81]
Living in urban area [living in rural area, reference] ^a	- - -	-0.34 (2.82) [0.90]	3.36 (2.59) [0.20]	2.76 (4.33) [0.53]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	- - -	-0.07 (3.45) [0.98]	- - -	- - -
Mountain Plains	- - -	-1.88 (3.24) [0.56]	- - -	- - -
Northeast	- - -	1.55 (3.60) [0.67]	- - -	- - -
Southeast	- - -	2.64 (3.96) [0.51]	- - -	- - -
Southwest	- - -	2.89 (3.84) [0.46]	- - -	- - -
West	- - -	5.52 (3.40) [0.11]	- - -	- - -
Observations	654	567	717	358

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing dried fruit once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-22. Probability that SNAP participant purchased 100 percent fruit juice once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.96 (3.39) [0.78]	-3.01 (4.14) [0.47]	-0.94 (2.83) [0.74]	2.47 (5.94) [0.68]
Outcome^a	28.11*** (2.69) [<0.01]	27.62*** (2.57) [<0.01]	30.17*** (2.27) [<0.01]	26.28*** (4.26) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-5.61 (6.13) [0.36]	4.94 (4.07) [0.23]	1.97 (4.11) [0.63]	4.45 (6.85) [0.52]
Don't know if matching amount(s) received	-4.48 (4.45) [0.32]	-10.08** (4.43) [0.03]	-5.45 (3.82) [0.16]	-5.02 (5.29) [0.35]
Health status [fair/poor, reference] ^a				
Very good/excellent	1.87 (5.03) [0.71]	7.34* (4.29) [0.09]	-0.81 (4.10) [0.84]	-7.10 (5.75) [0.22]
Good	-3.48 (4.23) [0.41]	3.90 (3.81) [0.31]	1.70 (3.58) [0.64]	0.55 (4.90) [0.91]
Gender [male, reference] ^a				
Female	3.82 (4.62) [0.41]	-5.08 (3.94) [0.20]	-3.22 (3.63) [0.38]	-9.63* (5.45) [0.08]
Marital status [never married, reference] ^a				
Married	9.30 (5.63) [0.10]	-8.02 (5.14) [0.13]	8.50 (5.51) [0.13]	23.51*** (7.69) [<0.01]
Widowed/divorced/separated	-5.70 (4.09) [0.17]	-2.62 (4.96) [0.60]	6.46 (4.01) [0.11]	14.73*** (5.48) [0.01]

Table K-22. Probability that SNAP participant purchased 100 percent fruit juice once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-2.50 (4.22) [0.56]	0.24 (4.69) [0.96]	-6.39 (4.33) [0.15]	-2.16 (5.95) [0.72]
60 or older	2.89 (7.45) [0.70]	6.87 (9.28) [0.46]	-7.71 (7.08) [0.28]	-9.77 (7.71) [0.21]
Race/ethnicity [non- black & non-Hispanic, reference] ^a				
Black	6.75 (4.26) [0.12]	4.15 (9.20) [0.65]	3.01 (3.32) [0.37]	-0.49 (6.00) [0.94]
Hispanic	-0.99 (4.50) [0.83]	1.46 (5.57) [0.79]	4.29 (8.17) [0.60]	14.72 (13.36) [0.27]
Born outside the U.S. [not born outside the U.S., reference] ^a	0.86 (3.80) [0.82]	5.28 (7.01) [0.46]	-3.35 (4.52) [0.46]	-1.48 (10.08) [0.88]
Education level [less than high school, reference] ^a				
High school	-7.08 (5.53) [0.20]	-18.07** (6.88) [0.01]	1.19 (4.84) [0.81]	9.36 (6.04) [0.13]
Some college/ associate's degree	-14.90*** (4.86) [<0.01]	-13.52* (7.87) [0.09]	-4.14 (5.42) [0.45]	9.53 (6.70) [0.16]
College graduate or above	-2.56 (7.29) [0.73]	-29.49*** (7.49) [<0.01]	-3.07 (9.65) [0.75]	27.70** (13.13) [0.04]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	1.21 (4.68) [0.80]	0.28 (4.15) [0.95]	1.00 (5.07) [0.84]	2.22 (8.61) [0.80]
Distance to closest participating FINI retailer (miles) ^a	0.64 (0.69) [0.36]	-1.19 (0.99) [0.23]	-1.42* (0.83) [0.09]	-2.50* (1.25) [0.05]
Household size ^a	0.15 (1.45) [0.92]	1.92 (1.99) [0.34]	0.26 (1.76) [0.88]	1.08 (1.88) [0.57]
Children present in household [no children present in household, reference] ^a	14.07** (5.78) [0.02]	1.13 (5.83) [0.85]	11.79** (5.58) [0.04]	15.97** (7.58) [0.04]

Table K-22. Probability that SNAP participant purchased 100 percent fruit juice once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-5.58 (5.82) [0.34]	-8.05 (5.50) [0.15]	-1.63 (4.38) [0.71]	1.95 (5.54) [0.73]
Percentage of local area receiving SNAP ^a	<0.02 (0.11) [0.98]	-0.17 (0.17) [0.34]	-0.07 (0.13) [0.60]	0.25 (0.17) [0.15]
Living in urban area [living in rural area, reference] ^a	-1.49 (8.01) [0.85]	-17.44** (7.40) [0.02]	2.70 (5.04) [0.60]	-0.61 (6.76) [0.93]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-8.86 (8.15) [0.28]	-1.83 (5.82) [0.76]	- - -	- - -
Mountain Plains	-9.13 (7.13) [0.20]	2.02 (7.42) [0.79]	- - -	- - -
Northeast	5.29 (4.65) [0.26]	4.33 (5.37) [0.42]	- - -	- - -
Southeast	-4.04 (5.75) [0.49]	13.80 (15.03) [0.36]	- - -	- - -
Southwest	-0.82 (8.53) [0.92]	-8.00 (5.44) [0.15]	- - -	- - -
West	-9.11* (5.11) [0.08]	3.04 (4.99) [0.55]	- - -	- - -
Observations	684	592	767	373

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing 100 percent fruit juice once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-23. Probability that SNAP participant purchased any vegetables once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	5.12 (3.30) [0.13]	3.83 (3.49) [0.28]	-1.19 (3.85) [0.76]	-0.35 (5.90) [0.95]
Outcome^a	36.98*** (1.85) [<0.01]	35.95*** (1.94) [<0.01]	34.49*** (2.29) [<0.01]	33.07*** (3.31) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-5.74 (4.63) [0.22]	5.17 (3.83) [0.18]	5.70 (5.19) [0.28]	8.54 (5.91) [0.15]
Don't know if matching amount(s) received	-3.82 (3.26) [0.25]	3.11 (5.10) [0.54]	-13.24*** (4.20) [<0.01]	-18.94*** (4.81) [<0.01]
Health status [fair/poor, reference] ^a				
Very good/excellent	-2.35 (4.72) [0.62]	1.45 (5.08) [0.78]	10.80** (5.05) [0.04]	10.59 (6.39) [0.10]
Good	2.63 (2.91) [0.37]	4.66 (3.22) [0.15]	6.13* (3.26) [0.06]	6.66 (5.61) [0.24]
Gender [male, reference] ^a				
Female	0.64 (3.66) [0.86]	3.70 (4.19) [0.38]	-3.46 (3.42) [0.32]	-9.54* (4.76) [0.05]
Marital status [never married, reference] ^a				
Married	9.84** (4.78) [0.04]	7.60 (5.65) [0.18]	8.80 (5.55) [0.12]	11.92 (8.83) [0.18]
Widowed/divorced/separated	0.05 (3.41) [0.99]	0.39 (3.86) [0.92]	4.33 (4.27) [0.31]	12.76*** (4.49) [0.01]

Table K-23. Probability that SNAP participant purchased any vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	0.18 (3.64) [0.96]	1.54 (4.73) [0.75]	-1.25 (4.43) [0.78]	3.65 (5.57) [0.52]
60 or older	-5.90 (6.78) [0.39]	0.48 (6.17) [0.94]	1.46 (6.44) [0.82]	6.64 (9.67) [0.49]
Race/ethnicity [non- black & non-Hispanic, reference]^a				
Black	0.11 (4.17) [0.98]	-23.83** (8.97) [0.01]	-12.20*** (4.00) [<0.01]	-19.14*** (6.07) [<0.01]
Hispanic	-2.25 (4.60) [0.63]	7.34 (4.45) [0.11]	-4.86 (7.22) [0.50]	-7.66 (10.23) [0.46]
Born outside the U.S. [not born outside the U.S., reference] ^a	11.00** (4.74) [0.02]	1.50 (4.62) [0.75]	-9.71** (4.70) [0.04]	-9.44 (6.94) [0.18]
Education level [less than high school, reference]^a				
High school	-11.81*** (3.77) [<0.01]	-2.38 (7.08) [0.74]	9.13* (4.93) [0.07]	13.48* (7.74) [0.09]
Some college/ associate's degree	-7.39 (4.75) [0.12]	3.85 (6.58) [0.56]	1.98 (5.11) [0.70]	5.18 (8.13) [0.53]
College graduate or above	2.12 (7.41) [0.78]	2.99 (6.69) [0.66]	15.65** (6.85) [0.03]	27.16* (15.00) [0.08]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-0.40 (4.30) [0.93]	0.93 (6.20) [0.88]	-6.61 (5.44) [0.23]	-12.39 (8.06) [0.13]
Distance to closest participating FINI retailer (miles) ^a	0.39 (0.87) [0.66]	-0.79 (1.07) [0.46]	0.92 (0.73) [0.22]	-0.59 (1.11) [0.59]
Household size ^a	-1.03 (1.46) [0.48]	-1.11 (1.69) [0.52]	2.63 (1.68) [0.12]	3.27 (2.29) [0.16]
Children present in household [no children present in household, reference] ^a	11.85** (5.38) [0.03]	9.15* (5.15) [0.08]	4.74 (5.40) [0.38]	12.64* (7.49) [0.10]

Table K-23. Probability that SNAP participant purchased any vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	7.56 (5.47) [0.17]	0.98 (5.04) [0.85]	0.27 (4.77) [0.95]	-1.87 (6.63) [0.78]
Percentage of local area receiving SNAP ^a	-0.33** (0.13) [0.01]	-0.33** (0.14) [0.02]	0.05 (0.14) [0.70]	0.21 (0.15) [0.18]
Living in urban area [living in rural area, reference] ^a	7.25 (7.17) [0.32]	1.16 (6.07) [0.85]	4.76 (5.90) [0.42]	-1.06 (6.57) [0.87]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-5.88 (6.30) [0.35]	8.83 (8.51) [0.30]	- - -	- - -
Mountain Plains	-5.20 (6.94) [0.46]	2.32 (7.15) [0.75]	- - -	- - -
Northeast	-0.78 (4.31) [0.86]	8.87 (6.47) [0.18]	- - -	- - -
Southeast	-13.61** (5.99) [0.03]	17.58 (12.05) [0.15]	- - -	- - -
Southwest	6.37 (9.45) [0.50]	-5.49 (7.74) [0.48]	- - -	- - -
West	0.13 (4.65) [0.98]	10.32* (5.92) [0.09]	- - -	- - -
Observations	771	667	881	436

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing any vegetables once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-24. Probability that SNAP participant purchased fresh vegetables once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	3.73 (3.39) [0.28]	4.22 (3.75) [0.27]	3.34 (3.99) [0.41]	1.12 (5.52) [0.84]
Outcome^a	39.20*** (1.81) [<0.01]	37.66*** (2.02) [<0.01]	34.85*** (2.22) [<0.01]	35.69*** (2.69) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-2.23 (5.13) [0.67]	5.01 (3.70) [0.18]	2.78 (5.89) [0.64]	4.56 (7.78) [0.56]
Don't know if matching amount(s) received	-4.77* (2.76) [0.09]	-1.56 (5.41) [0.77]	-15.86*** (4.04) [<0.01]	-18.87*** (5.42) [<0.01]
Health status [fair/poor, reference] ^a				
Very good/excellent	3.38 (5.26) [0.52]	3.12 (5.02) [0.54]	7.82 (5.53) [0.16]	6.93 (6.84) [0.31]
Good	4.05 (3.16) [0.20]	2.75 (3.91) [0.49]	5.81 (3.60) [0.11]	6.70 (5.24) [0.21]
Gender [male, reference] ^a				
Female	-4.50 (3.43) [0.19]	4.61 (4.22) [0.28]	-0.57 (3.73) [0.88]	-9.07* (5.16) [0.08]
Marital status [never married, reference] ^a				
Married	12.79** (5.37) [0.02]	4.75 (5.53) [0.39]	7.00 (5.15) [0.18]	13.93 (8.36) [0.10]
Widowed/divorced/separated	3.66 (3.48) [0.30]	-1.71 (3.68) [0.64]	2.98 (3.67) [0.42]	12.07** (5.12) [0.02]

Table K-24. Probability that SNAP participant purchased fresh vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	2.34 (3.93) [0.55]	6.18 (4.68) [0.19]	0.66 (4.08) [0.87]	4.18 (5.77) [0.47]
60 or older	3.11 (6.18) [0.62]	1.41 (6.95) [0.84]	-0.16 (6.75) [0.98]	6.08 (9.26) [0.51]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	1.57 (4.86) [0.75]	-22.00** (8.36) [0.01]	-12.15*** (4.16) [<0.01]	-18.34*** (5.89) [<0.01]
Hispanic	2.02 (4.20) [0.63]	9.16* (4.96) [0.07]	-3.19 (7.94) [0.69]	-3.33 (11.47) [0.77]
Born outside the U.S. [not born outside the U.S., reference] ^a	9.30** (4.51) [0.04]	2.97 (5.25) [0.57]	-5.91 (5.09) [0.25]	-2.45 (8.03) [0.76]
Education level [less than high school, reference]^a				
High school	-11.70*** (4.29) [0.01]	-1.15 (7.13) [0.87]	6.89 (5.46) [0.21]	11.95 (8.39) [0.16]
Some college/associate's degree	-6.79 (4.48) [0.13]	5.36 (7.03) [0.45]	1.92 (5.43) [0.72]	6.88 (7.76) [0.38]
College graduate or above	2.47 (7.70) [0.75]	3.19 (7.49) [0.67]	11.01 (7.40) [0.14]	16.75 (13.11) [0.21]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-2.21 (4.60) [0.63]	4.70 (6.32) [0.46]	-7.75 (5.73) [0.18]	-8.85 (7.28) [0.23]
Distance to closest participating FINI retailer (miles) ^a	0.79 (0.80) [0.33]	-1.10 (1.18) [0.35]	1.00 (0.75) [0.19]	-0.65 (1.15) [0.57]
Household size ^a	-0.17 (1.49) [0.91]	-2.39 (1.77) [0.18]	2.32 (1.64) [0.16]	2.93 (2.33) [0.21]
Children present in household [no children present in household, reference] ^a	7.79 (4.80) [0.11]	13.36** (6.33) [0.04]	8.44* (4.50) [0.07]	15.04** (7.10) [0.04]

Table K-24. Probability that SNAP participant purchased fresh vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-3.56 (4.94) [0.47]	1.45 (4.88) [0.77]	5.00 (5.48) [0.36]	3.23 (7.70) [0.68]
Percentage of local area receiving SNAP ^a	-0.38*** (0.13) [0.01]	-0.29** (0.13) [0.03]	0.09 (0.14) [0.53]	0.37** (0.15) [0.01]
Living in urban area [living in rural area, reference] ^a	5.93 (7.13) [0.41]	-5.48 (5.58) [0.33]	7.86 (5.44) [0.15]	5.49 (6.49) [0.40]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-6.91 (6.87) [0.32]	6.52 (7.83) [0.41]	- - -	- - -
Mountain Plains	-16.09** (7.07) [0.03]	-5.18 (7.79) [0.51]	- - -	- - -
Northeast	0.22 (4.66) [0.96]	6.10 (6.31) [0.34]	- - -	- - -
Southeast	-15.96** (6.22) [0.01]	18.22 (11.23) [0.11]	- - -	- - -
Southwest	-4.00 (9.94) [0.69]	-4.23 (7.83) [0.59]	- - -	- - -
West	-2.68 (4.46) [0.55]	9.35 (5.92) [0.12]	- - -	- - -
Observations	719	627	828	409

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh vegetables once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-25. Probability that SNAP participant purchased frozen vegetables once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-1.53 (2.89) [0.60]	1.43 (3.18) [0.66]	-1.80 (3.27) [0.58]	2.21 (4.68) [0.64]
Outcome^a	25.56*** (3.14) [<0.01]	23.03*** (2.94) [<0.01]	22.11*** (2.47) [<0.01]	21.01*** (2.95) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-6.88 (5.12) [0.18]	5.38 (3.32) [0.11]	-6.08 (4.67) [0.20]	-5.67 (7.69) [0.46]
Don't know if matching amount(s) received	-7.14** (3.46) [0.04]	-0.48 (4.46) [0.91]	-6.20* (3.61) [0.09]	-7.02 (4.98) [0.16]
Health status [fair/poor, reference] ^a				
Very good/excellent	9.42** (4.25) [0.03]	-4.08 (4.83) [0.40]	12.36** (5.05) [0.02]	7.71 (6.14) [0.21]
Good	5.03 (3.61) [0.17]	5.04 (4.21) [0.24]	-0.60 (3.27) [0.86]	-0.14 (5.37) [0.98]
Gender [male, reference] ^a				
Female	-0.41 (3.42) [0.91]	0.41 (4.55) [0.93]	-2.97 (3.44) [0.39]	-0.81 (3.71) [0.83]
Marital status [never married, reference] ^a				
Married	9.67 (5.85) [0.10]	1.66 (4.83) [0.73]	6.46 (5.71) [0.26]	7.71 (7.27) [0.29]
Widowed/divorced/separated	-0.37 (3.63) [0.92]	-4.57 (3.49) [0.20]	-1.97 (3.61) [0.59]	2.04 (3.41) [0.55]

Table K-25. Probability that SNAP participant purchased frozen vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	3.12 (4.33) [0.47]	6.55* (3.44) [0.06]	3.49 (4.03) [0.39]	7.68 (5.48) [0.17]
60 or older	5.93 (7.69) [0.44]	13.11* (7.37) [0.08]	1.25 (5.92) [0.83]	-2.47 (9.33) [0.79]
Race/ethnicity [non- black & non-Hispanic, reference] ^a				
Black	6.16 (5.54) [0.27]	9.10 (10.01) [0.37]	-7.17** (3.57) [0.05]	-7.06 (5.24) [0.18]
Hispanic	-13.26*** (3.53) [<0.01]	4.36 (6.22) [0.49]	-10.74* (5.51) [0.06]	1.13 (10.60) [0.92]
Born outside the U.S. [not born outside the U.S., reference] ^a	-1.79 (3.93) [0.65]	0.03 (4.88) [0.99]	-6.43 (3.88) [0.10]	-12.19** (4.64) [0.01]
Education level [less than high school, reference] ^a				
High school	-6.25 (4.90) [0.21]	-3.78 (6.45) [0.56]	1.31 (4.93) [0.79]	2.93 (5.65) [0.61]
Some college/ associate's degree	-8.23 (4.98) [0.10]	-1.10 (6.08) [0.86]	-2.41 (4.82) [0.62]	-0.10 (6.63) [0.99]
College graduate or above	-28.00*** (4.24) [<0.01]	-10.60 (6.48) [0.11]	16.19* (8.85) [0.07]	40.64*** (14.88) [0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-4.13 (4.12) [0.32]	-2.41 (3.13) [0.45]	8.69** (4.25) [0.05]	1.29 (5.96) [0.83]
Distance to closest participating FINI retailer (miles) ^a	0.84 (0.89) [0.35]	-0.88 (0.91) [0.34]	-0.06 (0.69) [0.93]	0.16 (0.80) [0.84]
Household size ^a	-1.86 (1.60) [0.25]	-0.08 (1.37) [0.95]	0.56 (1.37) [0.68]	0.46 (1.68) [0.78]
Children present in household [no children present in household, reference] ^a	12.98** (5.46) [0.02]	6.79 (5.19) [0.20]	8.66* (5.08) [0.09]	8.85 (5.83) [0.13]

Table K-25. Probability that SNAP participant purchased frozen vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-4.80 (4.91) [0.33]	-5.98 (4.40) [0.18]	-0.98 (4.69) [0.84]	4.81 (9.84) [0.63]
Percentage of local area receiving SNAP ^a	-0.26* (0.13) [0.06]	-0.35*** (0.10) [<0.01]	-0.07 (0.10) [0.51]	<0.01 (0.14) [0.98]
Living in urban area [living in rural area, reference] ^a	5.31 (7.20) [0.46]	3.69 (4.77) [0.44]	6.19 (4.52) [0.18]	3.16 (6.36) [0.62]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-6.04 (7.65) [0.43]	1.07 (6.65) [0.87]	- - -	- - -
Mountain Plains	-13.03** (5.86) [0.03]	-5.76 (7.52) [0.45]	- - -	- - -
Northeast	-0.83 (4.51) [0.86]	-2.69 (6.50) [0.68]	- - -	- - -
Southeast	-3.01 (5.91) [0.61]	-0.74 (9.88) [0.94]	- - -	- - -
Southwest	-4.73 (8.01) [0.56]	-6.57 (7.42) [0.38]	- - -	- - -
West	-3.46 (4.90) [0.48]	-0.71 (6.18) [0.91]	- - -	- - -
Observations	711	602	795	389

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen vegetables once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-26. Probability that SNAP participant purchased canned vegetables once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.49 (3.09) [0.88]	1.50 (3.52) [0.67]	1.71 (3.36) [0.61]	2.48 (6.30) [0.70]
Outcome ^a	27.38*** (2.83) [<0.01]	24.55*** (2.55) [<0.01]	24.43*** (2.73) [<0.01]	21.10*** (3.85) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-4.83 (4.98) [0.34]	5.31 (4.16) [0.21]	-5.10 (3.96) [0.20]	-12.08** (5.41) [0.03]
Don't know if matching amount(s) received	-2.46 (3.48) [0.48]	3.48 (3.47) [0.32]	-3.64 (3.61) [0.32]	-4.16 (4.82) [0.39]
Health status [fair/poor, reference] ^a				
Very good/excellent	0.69 (4.21) [0.87]	-6.18 (4.16) [0.14]	2.23 (3.97) [0.58]	-1.62 (4.31) [0.71]
Good	4.17 (3.11) [0.18]	-2.02 (3.89) [0.61]	1.32 (3.29) [0.69]	7.55* (4.47) [0.10]
Gender [male, reference] ^a				
Female	-10.75*** (3.65) [<0.01]	-5.76 (3.66) [0.12]	-7.47* (3.98) [0.07]	-12.85** (5.36) [0.02]
Marital status [never married, reference] ^a				
Married	1.67 (4.60) [0.72]	8.83** (4.38) [0.05]	-1.49 (4.82) [0.76]	-1.32 (5.48) [0.81]
Widowed/divorced/separated	-1.81 (3.29) [0.58]	7.62** (3.31) [0.03]	6.70 (4.33) [0.13]	7.19 (4.61) [0.12]

Table K-26. Probability that SNAP participant purchased canned vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-0.13 (3.70) [0.97]	-9.05*** (3.24) [0.01]	3.41 (4.49) [0.45]	5.79 (4.22) [0.18]
60 or older	0.36 (7.06) [0.96]	-10.20* (5.53) [0.07]	0.77 (5.66) [0.89]	12.75 (8.29) [0.13]
Race/ethnicity [non- black & non-Hispanic, reference]^a				
Black	2.05 (4.11) [0.62]	-9.21** (3.53) [0.01]	-8.54*** (3.03) [0.01]	-8.84 (5.94) [0.14]
Hispanic	-9.03** (3.59) [0.01]	-1.22 (3.74) [0.75]	-16.99*** (5.03) [<0.01]	-13.63* (7.87) [0.09]
Born outside the U.S. [not born outside the U.S., reference] ^a	-0.01 (4.51) [1.00]	-3.22 (3.26) [0.33]	-4.61 (4.87) [0.35]	-10.20 (9.94) [0.31]
Education level [less than high school, reference]^a				
High school	-3.85 (4.55) [0.40]	-9.59* (5.51) [0.09]	4.06 (4.61) [0.38]	5.23 (5.91) [0.38]
Some college/ associate's degree	-3.91 (4.16) [0.35]	-6.60 (5.57) [0.24]	3.21 (4.45) [0.47]	5.78 (6.16) [0.35]
College graduate or above	-11.39 (7.16) [0.12]	-8.40 (6.18) [0.18]	0.38 (9.20) [0.97]	-0.18 (10.38) [0.99]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-4.10 (4.47) [0.36]	0.75 (4.29) [0.86]	2.49 (4.39) [0.57]	3.87 (6.29) [0.54]
Distance to closest participating FINI retailer (miles) ^a	0.60 (0.81) [0.46]	-2.15*** (0.79) [0.01]	1.20* (0.69) [0.08]	0.88 (0.97) [0.37]
Household size ^a	-1.28 (1.54) [0.41]	0.90 (1.16) [0.44]	2.86* (1.58) [0.08]	3.03 (1.81) [0.10]
Children present in household [no children present in household, reference] ^a	9.17* (5.12) [0.08]	-4.23 (4.61) [0.36]	10.74** (5.26) [0.05]	14.17** (5.85) [0.02]

Table K-26. Probability that SNAP participant purchased canned vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	2.40 (5.34) [0.66]	-2.69 (3.75) [0.48]	<0.01 (3.68) [1.00]	-5.18 (6.22) [0.41]
Percentage of local area receiving SNAP ^a	-0.12 (0.11) [0.25]	-0.41*** (0.13) [<0.01]	0.06 (0.11) [0.56]	0.12 (0.14) [0.38]
Living in urban area [living in rural area, reference] ^a	5.79 (5.95) [0.33]	-0.68 (3.83) [0.86]	5.78 (4.17) [0.17]	4.01 (5.62) [0.48]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-2.49 (6.58) [0.71]	-4.13 (4.76) [0.39]	- - -	- - -
Mountain Plains	-14.00*** (4.19) [<0.01]	6.86 (7.05) [0.34]	- - -	- - -
Northeast	-0.43 (4.14) [0.92]	-2.49 (4.97) [0.62]	- - -	- - -
Southeast	-1.87 (5.12) [0.72]	11.42 (9.15) [0.22]	- - -	- - -
Southwest	7.09 (8.44) [0.40]	-7.36 (5.28) [0.17]	- - -	- - -
West	-4.62 (4.10) [0.26]	1.06 (5.41) [0.85]	- - -	- - -
Observations	704	602	809	399

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned vegetables once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-27. Probability that SNAP participant purchased dried vegetables once a week or more in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.99 (2.40) [0.41]	- - -	3.73 (2.79) [0.19]	7.29* (4.09) [0.08]
Outcome ^a	7.54* (3.89) [0.06]	- - -	13.39*** (2.84) [<0.01]	12.70*** (3.73) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-0.53 (3.81) [0.89]	- - -	1.04 (5.25) [0.84]	7.18 (7.58) [0.35]
Don't know if matching amount(s) received	-0.37 (2.59) [0.89]	- - -	-3.39 (2.39) [0.16]	-3.55 (3.26) [0.28]
Health status [fair/poor, reference] ^a				
Very good/excellent	1.97 (3.36) [0.56]	- - -	3.84 (4.36) [0.38]	0.08 (5.43) [0.99]
Good	-0.06 (2.27) [0.98]	- - -	-0.87 (3.29) [0.79]	-3.70 (3.86) [0.34]
Gender [male, reference] ^a				
Female	-3.35 (2.43) [0.17]	- - -	0.09 (2.63) [0.97]	-9.05** (3.85) [0.02]
Marital status [never married, reference] ^a				
Married	1.77 (4.21) [0.67]	- - -	8.33* (4.93) [0.10]	13.75* (6.95) [0.05]
Widowed/divorced/separated	-2.48 (2.60) [0.34]	- - -	-0.91 (2.94) [0.76]	2.37 (3.24) [0.47]

Table K-27. Probability that SNAP participant purchased dried vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	0.52 (2.74) [0.85]	- - -	-4.43 (3.26) [0.18]	-1.31 (3.45) [0.71]
60 or older	2.09 (5.39) [0.70]	- - -	-8.92* (4.60) [0.06]	-2.06 (5.87) [0.73]
Race/ethnicity [non- black & non-Hispanic, reference] ^a				
Black	8.24** (3.96) [0.04]	- - -	-2.89 (2.76) [0.30]	-7.22* (4.21) [0.09]
Hispanic	-2.82 (2.60) [0.28]	- - -	-5.03 (5.23) [0.34]	-9.23 (5.76) [0.11]
Born outside the U.S. [not born outside the U.S., reference] ^a	-0.13 (2.87) [0.96]	- - -	-5.46 (3.28) [0.10]	-6.81** (3.12) [0.03]
Education level [less than high school, reference] ^a				
High school	-7.68* (4.06) [0.06]	- - -	-0.83 (4.23) [0.85]	4.92 (4.15) [0.24]
Some college/ associate's degree	-6.49 (4.20) [0.13]	- - -	-6.84 (4.35) [0.12]	-0.20 (3.36) [0.95]
College graduate or above	-15.84*** (4.10) [<0.01]	- - -	-6.31 (6.71) [0.35]	19.15 (13.26) [0.15]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-0.63 (3.52) [0.86]	- - -	1.87 (4.94) [0.71]	-0.83 (5.02) [0.87]
Distance to closest participating FINI retailer (miles) ^a	0.60 (0.43) [0.17]	- - -	-0.52 (0.74) [0.49]	-0.05 (0.82) [0.95]
Household size ^a	-0.39 (1.02) [0.70]	- - -	0.98 (1.00) [0.33]	2.82** (1.16) [0.02]
Children present in household [no children present in household, reference] ^a	5.23 (3.32) [0.12]	- - -	-1.24 (3.59) [0.73]	-1.02 (4.00) [0.80]

Table K-27. Probability that SNAP participant purchased dried vegetables once a week or more in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	2.83 (3.93) [0.47]	- - -	5.11 (4.25) [0.23]	-3.03 (3.80) [0.43]
Percentage of local area receiving SNAP ^a	-0.09 (0.09) [0.30]	- - -	-0.07 (0.08) [0.38]	0.07 (0.10) [0.50]
Living in urban area [living in rural area, reference] ^a	8.89*** (1.36) [<0.01]	- - -	10.83*** (1.67) [<0.01]	9.48*** (2.25) [<0.01]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-0.72 (5.74) [0.90]	- - -	- - -	- - -
Mountain Plains	3.61 (5.81) [0.54]	- - -	- - -	- - -
Northeast	-1.78 (2.86) [0.54]	- - -	- - -	- - -
Southeast	-1.11 (3.63) [0.76]	- - -	- - -	- - -
Southwest	-0.59 (8.01) [0.94]	- - -	- - -	- - -
West	2.77 (4.71) [0.56]	- - -	- - -	- - -
Observations	685	593	772	384

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing dried vegetables once a week or more. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-28. Probability that SNAP participant purchased fresh bananas in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.76 (2.34) [0.75]	2.50 (2.94) [0.40]	0.53 (2.47) [0.83]	- - -
Outcome ^a	22.85*** (2.05) [<0.01]	21.94*** (2.20) [<0.01]	25.55*** (1.99) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-2.86 (3.04) [0.35]	1.09 (2.51) [0.67]	-6.70* (3.75) [0.08]	- - -
Don't know if matching amount(s) received	1.43 (2.35) [0.54]	2.51 (3.26) [0.44]	2.43 (1.86) [0.20]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	0.19 (2.83) [0.95]	-2.12 (3.93) [0.59]	3.96 (3.09) [0.21]	- - -
Good	1.72 (1.89) [0.37]	-0.76 (2.49) [0.76]	2.20 (1.93) [0.26]	- - -
Gender [male, reference] ^a				
Female	0.05 (1.93) [0.98]	2.74 (2.86) [0.34]	4.40* (2.21) [0.05]	- - -
Marital status [never married, reference] ^a				
Married	2.25 (2.80) [0.43]	-9.94* (5.27) [0.07]	-1.47 (4.09) [0.72]	- - -
Widowed/divorced/separated	4.09* (2.12) [0.06]	1.96 (2.40) [0.42]	-5.23* (2.81) [0.07]	- - -

Table K-28. Probability that SNAP participant purchased fresh bananas in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	1.73 (3.16) [0.58]	-3.46 (2.28) [0.13]	9.01*** (3.21) [0.01]	- - -
60 or older	7.25* (4.08) [0.08]	-5.19 (4.64) [0.27]	0.76 (4.10) [0.85]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-3.70 (3.22) [0.26]	-14.23* (7.99) [0.08]	-1.64 (2.50) [0.51]	- - -
Hispanic	-0.72 (2.84) [0.80]	3.85* (2.19) [0.09]	7.11** (3.02) [0.02]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	-0.42 (2.48) [0.87]	2.12 (2.67) [0.43]	0.38 (2.52) [0.88]	- - -
Education level [less than high school, reference] ^a				
High school	-0.75 (2.47) [0.76]	7.71 (4.69) [0.11]	-5.07** (2.49) [0.05]	- - -
Some college/associate's degree	0.19 (2.95) [0.95]	5.66 (4.49) [0.21]	-2.13 (2.27) [0.35]	- - -
College graduate or above	1.98 (3.80) [0.60]	-1.85 (5.80) [0.75]	-0.16 (4.57) [0.97]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	1.82 (2.67) [0.50]	-0.83 (3.37) [0.81]	-12.14** (5.97) [0.05]	- - -
Distance to closest participating FINI retailer (miles) ^a	0.32 (0.51) [0.53]	0.78 (0.76) [0.31]	0.38 (0.50) [0.45]	- - -
Household size ^a	-0.39 (1.13) [0.73]	2.91* (1.59) [0.07]	1.85 (1.59) [0.25]	- - -
Children present in household [no children present in household, reference] ^a	7.91** (3.81) [0.04]	-1.16 (4.52) [0.80]	-0.10 (3.53) [0.98]	- - -

Table K-28. Probability that SNAP participant purchased fresh bananas in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-7.06* (3.93) [0.08]	-0.89 (4.25) [0.84]	5.24 (3.26) [0.11]	- - -
Percentage of local area receiving SNAP ^a	-0.05 (0.07) [0.43]	0.08 (0.08) [0.31]	0.15** (0.07) [0.03]	- - -
Living in urban area [living in rural area, reference] ^a	1.39 (4.50) [0.76]	1.21 (4.82) [0.80]	-1.33 (3.60) [0.71]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	0.24 (4.33) [0.96]	0.45 (4.56) [0.92]	- - -	- - -
Mountain Plains	1.60 (5.49) [0.77]	1.94 (3.70) [0.60]	- - -	- - -
Northeast	2.17 (2.29) [0.35]	0.74 (3.06) [0.81]	- - -	- - -
Southeast	-6.30 (4.93) [0.21]	0.46 (5.96) [0.94]	- - -	- - -
Southwest	3.08 (7.64) [0.69]	-6.36 (4.52) [0.17]	- - -	- - -
West	-0.64 (3.23) [0.84]	-3.60 (4.09) [0.38]	- - -	- - -
Observations	758	661	850	421

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh bananas in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a "-". Cells in estimable models with a "-" represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-29. Probability that SNAP participant purchased fresh apples in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.63 (3.23) [0.62]	2.82 (3.33) [0.40]	-4.58 (2.78) [0.10]	-6.45 (4.75) [0.18]
Outcome ^a	31.26*** (2.08) [<0.01]	32.37*** (1.93) [<0.01]	25.80*** (2.37) [<0.01]	20.74*** (3.94) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	8.56** (4.20) [0.05]	0.54 (3.24) [0.87]	3.82 (4.30) [0.38]	7.64 (6.40) [0.24]
Don't know if matching amount(s) received	0.11 (3.25) [0.97]	-0.17 (4.16) [0.97]	2.37 (3.00) [0.43]	1.78 (4.81) [0.71]
Health status [fair/poor, reference] ^a				
Very good/excellent	1.17 (3.95) [0.77]	-0.38 (5.17) [0.94]	2.04 (4.17) [0.63]	3.61 (5.40) [0.51]
Good	2.46 (3.31) [0.46]	0.61 (3.59) [0.87]	-0.99 (2.54) [0.70]	-2.33 (3.64) [0.52]
Gender [male, reference] ^a				
Female	2.41 (3.49) [0.49]	6.85** (3.17) [0.04]	2.24 (3.40) [0.51]	-1.81 (5.14) [0.73]
Marital status [never married, reference] ^a				
Married	10.06** (4.24) [0.02]	-3.00 (5.55) [0.59]	-6.48 (5.95) [0.28]	2.31 (9.81) [0.81]
Widowed/divorced/separated	1.74 (3.54) [0.63]	-0.37 (2.98) [0.90]	-4.72 (3.50) [0.18]	1.18 (4.17) [0.78]

Table K-29. Probability that SNAP participant purchased fresh apples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-1.59 (3.52) [0.65]	2.17 (4.51) [0.63]	3.96 (4.12) [0.34]	9.78 (6.38) [0.13]
60 or older	7.10 (4.94) [0.16]	-3.56 (7.19) [0.62]	-2.30 (6.05) [0.70]	-8.14 (9.99) [0.42]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-3.67 (3.80) [0.34]	-2.34 (8.99) [0.80]	6.94** (3.11) [0.03]	11.52** (5.42) [0.04]
Hispanic	7.25* (3.72) [0.06]	10.11** (3.79) [0.01]	-1.75 (8.48) [0.84]	2.97 (19.48) [0.88]
Born outside the U.S. [not born outside the U.S., reference] ^a	1.00 (3.90) [0.80]	2.15 (4.23) [0.61]	6.21 (4.76) [0.20]	-5.31 (7.19) [0.46]
Education level [less than high school, reference] ^a				
High school	3.55 (3.94) [0.37]	0.25 (5.36) [0.96]	-8.08** (3.38) [0.02]	-1.74 (4.44) [0.70]
Some college/associate's degree	0.80 (3.77) [0.83]	0.39 (5.98) [0.95]	-8.11** (3.42) [0.02]	-7.72 (5.79) [0.19]
College graduate or above	-0.89 (6.40) [0.89]	-4.45 (7.26) [0.54]	-1.79 (4.16) [0.67]	2.66 (9.22) [0.77]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-1.97 (4.51) [0.66]	0.72 (4.02) [0.86]	2.48 (4.86) [0.61]	16.64** (7.63) [0.03]
Distance to closest participating FINI retailer (miles) ^a	1.28* (0.74) [0.09]	0.08 (0.89) [0.93]	1.63** (0.70) [0.02]	0.72 (1.07) [0.51]
Household size ^a	0.06 (1.56) [0.97]	2.38 (1.66) [0.16]	0.95 (1.75) [0.59]	-1.97 (2.12) [0.36]
Children present in household [no children present in household, reference] ^a	5.41 (5.10) [0.29]	7.59* (4.30) [0.08]	18.65*** (4.49) [<0.01]	30.75*** (6.50) [<0.01]

Table K-29. Probability that SNAP participant purchased fresh apples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-13.12*** (3.90) [<0.01]	-1.90 (4.91) [0.70]	3.72 (3.73) [0.32]	19.08*** (6.77) [0.01]
Percentage of local area receiving SNAP ^a	0.09 (0.09) [0.36]	-0.14 (0.14) [0.33]	0.14 (0.10) [0.17]	0.23 (0.17) [0.18]
Living in urban area [living in rural area, reference] ^a	-3.99 (6.79) [0.56]	7.76 (7.05) [0.28]	-4.29 (4.37) [0.33]	-3.44 (5.67) [0.55]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-6.38 (6.16) [0.30]	-5.39 (7.73) [0.49]	- - -	- - -
Mountain Plains	-13.25** (5.17) [0.01]	-14.46 (9.36) [0.13]	- - -	- - -
Northeast	-1.26 (4.34) [0.77]	-8.15 (5.29) [0.13]	- - -	- - -
Southeast	-3.04 (5.81) [0.60]	-5.07 (9.02) [0.58]	- - -	- - -
Southwest	3.61 (6.78) [0.60]	-11.92* (6.40) [0.07]	- - -	- - -
West	1.88 (3.31) [0.57]	-3.67 (5.04) [0.47]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh apples in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-30. Probability that SNAP participant purchased fresh berries in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-2.34 (3.05) [0.45]	0.13 (4.14) [0.98]	-0.21 (3.57) [0.95]	4.24 (5.45) [0.44]
Outcome ^a	31.88*** (2.93) [<0.01]	25.46*** (3.04) [<0.01]	32.82*** (2.84) [<0.01]	34.56*** (3.63) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	2.73 (4.82) [0.57]	0.45 (4.37) [0.92]	-4.57 (5.81) [0.44]	-7.96 (7.08) [0.27]
Don't know if matching amount(s) received	3.67 (4.19) [0.38]	5.70 (4.02) [0.16]	0.94 (4.13) [0.82]	-4.43 (5.13) [0.39]
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.64 (5.15) [0.75]	7.07* (4.08) [0.09]	-0.86 (4.35) [0.84]	12.07 (7.26) [0.10]
Good	-1.64 (4.54) [0.72]	3.77 (3.20) [0.24]	-1.29 (4.10) [0.75]	-0.52 (5.49) [0.93]
Gender [male, reference] ^a				
Female	7.08* (4.01) [0.08]	12.23** (4.85) [0.01]	12.51*** (3.34) [<0.01]	1.55 (5.36) [0.77]
Marital status [never married, reference] ^a				
Married	8.47 (5.73) [0.14]	2.55 (5.43) [0.64]	1.12 (5.63) [0.84]	12.15 (8.57) [0.16]
Widowed/divorced/separated	-1.12 (3.57) [0.75]	-2.79 (4.53) [0.54]	0.81 (3.45) [0.82]	6.16 (5.74) [0.29]

Table K-30. Probability that SNAP participant purchased fresh berries in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-1.65 (4.49) [0.72]	14.28*** (4.55) [<0.01]	-0.99 (4.14) [0.81]	8.06 (4.99) [0.11]
60 or older	8.79 (7.00) [0.21]	17.26** (6.77) [0.01]	-12.10* (6.75) [0.08]	-14.98 (9.07) [0.10]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-10.21** (4.85) [0.04]	-22.26** (9.57) [0.02]	-6.79 (4.58) [0.14]	-9.19 (6.34) [0.15]
Hispanic	1.87 (4.75) [0.69]	2.48 (4.69) [0.60]	-7.00 (8.37) [0.41]	3.08 (9.58) [0.75]
Born outside the U.S. [not born outside the U.S., reference] ^a	-2.53 (4.22) [0.55]	1.76 (5.79) [0.76]	-4.21 (4.60) [0.36]	-3.24 (6.92) [0.64]
Education level [less than high school, reference] ^a				
High school	8.44 (5.24) [0.11]	9.59 (7.32) [0.20]	10.26** (4.55) [0.03]	10.21 (7.61) [0.18]
Some college/associate's degree	9.60* (5.35) [0.08]	9.14 (7.15) [0.21]	15.53** (5.97) [0.01]	14.29* (8.42) [0.09]
College graduate or above	18.03*** (6.64) [0.01]	14.36* (8.55) [0.10]	17.63** (7.35) [0.02]	31.61** (12.46) [0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	2.43 (4.85) [0.62]	-6.14 (5.56) [0.28]	-12.90** (5.19) [0.02]	-13.08* (7.24) [0.08]
Distance to closest participating FINI retailer (miles) ^a	0.66 (0.94) [0.48]	0.19 (0.95) [0.84]	1.14 (0.90) [0.21]	0.17 (1.39) [0.90]
Household size ^a	1.06 (1.68) [0.53]	0.89 (2.08) [0.67]	1.75 (1.74) [0.32]	4.24* (2.48) [0.09]
Children present in household [no children present in household, reference] ^a	3.56 (6.53) [0.59]	10.31** (4.87) [0.04]	2.76 (5.70) [0.63]	-0.61 (6.75) [0.93]

Table K-30. Probability that SNAP participant purchased fresh berries in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-12.53** (5.60) [0.03]	-9.32 (6.86) [0.18]	9.03* (5.35) [0.10]	21.23*** (6.31) [<0.01]
Percentage of local area receiving SNAP ^a	-0.09 (0.11) [0.39]	0.09 (0.15) [0.56]	0.09 (0.14) [0.51]	0.03 (0.20) [0.87]
Living in urban area [living in rural area, reference] ^a	3.35 (6.83) [0.63]	5.25 (5.31) [0.33]	8.94 (5.61) [0.12]	13.94** (6.58) [0.04]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-3.30 (6.05) [0.59]	4.78 (7.16) [0.51]	- - -	- - -
Mountain Plains	-4.58 (6.89) [0.51]	-0.24 (8.96) [0.98]	- - -	- - -
Northeast	-0.17 (5.30) [0.98]	2.08 (5.93) [0.73]	- - -	- - -
Southeast	-22.26*** (6.33) [<0.01]	-3.22 (11.36) [0.78]	- - -	- - -
Southwest	-15.26 (11.42) [0.19]	-5.46 (8.50) [0.52]	- - -	- - -
West	-5.79 (6.33) [0.36]	0.68 (4.85) [0.89]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh berries in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-31. Probability that SNAP participant purchased fresh oranges in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.40 (3.26) [0.67]	0.62 (4.51) [0.89]	2.24 (4.23) [0.60]	9.72 (6.23) [0.12]
Outcome^a	33.71*** (2.34) [<0.01]	36.13*** (3.24) [<0.01]	31.81*** (2.57) [<0.01]	32.60*** (2.87) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	7.34 (5.06) [0.15]	5.86 (4.12) [0.16]	-6.17 (5.71) [0.28]	-3.58 (8.13) [0.66]
Don't know if matching amount(s) received	-3.40 (3.91) [0.39]	-8.26 (6.93) [0.24]	-0.42 (3.96) [0.92]	-1.52 (5.61) [0.79]
Health status [fair/poor, reference]^a				
Very good/excellent	-4.52 (4.25) [0.29]	-2.54 (5.36) [0.64]	-2.60 (4.86) [0.60]	-0.06 (6.57) [0.99]
Good	0.69 (3.62) [0.85]	1.57 (3.62) [0.67]	-0.15 (3.49) [0.97]	2.58 (4.40) [0.56]
Gender [male, reference]^a				
Female	2.89 (3.46) [0.41]	2.16 (3.15) [0.50]	-1.24 (2.94) [0.68]	-6.88 (4.67) [0.15]
Marital status [never married, reference]^a				
Married	0.61 (6.10) [0.92]	-2.35 (6.28) [0.71]	-0.84 (4.93) [0.86]	9.68 (8.92) [0.28]
Widowed/divorced/separated	-8.23** (3.67) [0.03]	-0.96 (4.01) [0.81]	-3.42 (2.96) [0.25]	7.57 (4.63) [0.11]

Table K-31. Probability that SNAP participant purchased fresh oranges in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	0.33 (4.72) [0.94]	6.30 (4.88) [0.20]	4.33 (4.22) [0.31]	7.58 (6.76) [0.27]
60 or older	4.93 (7.62) [0.52]	11.96 (8.47) [0.16]	-0.33 (5.62) [0.95]	2.35 (10.21) [0.82]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	2.99 (4.51) [0.51]	4.39 (9.25) [0.64]	9.06** (4.48) [0.05]	4.29 (6.49) [0.51]
Hispanic	6.27 (5.22) [0.23]	18.49*** (6.02) [<0.01]	12.27 (7.92) [0.13]	9.69 (10.83) [0.37]
Born outside the U.S. [not born outside the U.S., reference] ^a	6.79* (3.65) [0.07]	4.32 (5.03) [0.39]	3.22 (3.68) [0.38]	2.06 (5.37) [0.70]
Education level [less than high school, reference]^a				
High school	5.34 (4.65) [0.26]	6.02 (5.67) [0.29]	1.19 (4.32) [0.78]	3.47 (6.59) [0.60]
Some college/associate's degree	0.45 (4.30) [0.92]	-1.52 (5.62) [0.79]	-7.78 (4.80) [0.11]	-3.72 (7.08) [0.60]
College graduate or above	-2.50 (7.04) [0.72]	-7.38 (7.28) [0.32]	-3.64 (6.74) [0.59]	-9.19 (10.41) [0.38]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-1.93 (4.04) [0.63]	-16.99*** (5.64) [<0.01]	-9.67* (5.78) [0.10]	-5.92 (10.28) [0.57]
Distance to closest participating FINI retailer (miles) ^a	1.07 (0.98) [0.28]	0.33 (1.19) [0.78]	-0.02 (0.92) [0.99]	1.26 (1.07) [0.25]
Household size ^a	0.57 (1.67) [0.73]	7.86*** (2.55) [<0.01]	5.58*** (2.07) [0.01]	5.37 (3.40) [0.12]
Children present in household [no children present in household, reference] ^a	9.66* (5.11) [0.06]	-2.10 (6.45) [0.75]	8.84 (6.37) [0.17]	19.88** (9.86) [0.05]

Table K-31. Probability that SNAP participant purchased fresh oranges in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-6.79 (5.66) [0.23]	-9.45 (7.26) [0.20]	-3.04 (5.44) [0.58]	2.95 (8.05) [0.72]
Percentage of local area receiving SNAP ^a	0.07 (0.14) [0.61]	0.04 (0.16) [0.79]	0.08 (0.13) [0.55]	0.08 (0.18) [0.68]
Living in urban area [living in rural area, reference] ^a	6.68 (5.98) [0.27]	9.31 (6.84) [0.18]	4.69 (4.62) [0.31]	3.97 (6.07) [0.52]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-4.55 (7.45) [0.54]	2.80 (7.64) [0.72]	- - -	- - -
Mountain Plains	-7.81 (7.20) [0.28]	12.47* (6.39) [0.06]	- - -	- - -
Northeast	0.97 (4.45) [0.83]	5.39 (5.23) [0.31]	- - -	- - -
Southeast	-0.89 (5.28) [0.87]	4.12 (10.82) [0.71]	- - -	- - -
Southwest	10.04 (7.41) [0.18]	-2.96 (7.09) [0.68]	- - -	- - -
West	0.23 (4.22) [0.96]	1.31 (5.86) [0.82]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh oranges in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-32. Probability that SNAP participant purchased fresh melons in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-4.76 (3.94) [0.23]	4.28 (3.43) [0.22]	0.88 (4.11) [0.83]	9.51 (5.85) [0.11]
Outcome^a	32.52*** (2.50) [<0.01]	29.15*** (3.04) [<0.01]	24.29*** (2.67) [<0.01]	27.82*** (4.57) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-2.71 (6.07) [0.66]	-9.61** (3.61) [0.01]	-18.36*** (4.73) [<0.01]	-20.30** (8.09) [0.01]
Don't know if matching amount(s) received	2.68 (3.46) [0.44]	-13.36* (7.36) [0.08]	-0.50 (4.10) [0.90]	-5.59 (5.37) [0.30]
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.40 (4.51) [0.76]	-4.62 (4.37) [0.30]	2.79 (4.79) [0.56]	-2.33 (7.28) [0.75]
Good	1.37 (3.52) [0.70]	-3.22 (3.14) [0.31]	5.99 (3.90) [0.13]	0.92 (5.38) [0.87]
Gender [male, reference] ^a				
Female	1.69 (3.59) [0.64]	9.68* (5.21) [0.07]	5.05 (3.81) [0.19]	4.59 (4.49) [0.31]
Marital status [never married, reference] ^a				
Married	14.72** (5.84) [0.01]	8.92 (5.55) [0.11]	15.28*** (5.57) [0.01]	24.99*** (5.91) [<0.01]
Widowed/divorced/separated	4.18 (4.11) [0.31]	0.86 (3.64) [0.81]	1.07 (3.94) [0.79]	3.22 (6.40) [0.62]

Table K-32. Probability that SNAP participant purchased fresh melons in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-2.60 (3.49) [0.46]	5.16 (4.71) [0.28]	14.45*** (4.71) [<0.01]	11.25 (6.89) [0.11]
60 or older	0.34 (6.50) [0.96]	4.20 (7.94) [0.60]	14.74** (5.75) [0.01]	-0.93 (10.38) [0.93]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-4.58 (4.72) [0.34]	14.34** (6.68) [0.04]	2.38 (4.57) [0.60]	-0.08 (6.64) [0.99]
Hispanic	-7.36 (4.64) [0.12]	-10.38* (5.90) [0.08]	-3.82 (9.37) [0.69]	-0.66 (10.67) [0.95]
Born outside the U.S. [not born outside the U.S., reference] ^a	7.69 (4.71) [0.11]	8.36* (4.96) [0.10]	-3.19 (5.04) [0.53]	-7.08 (7.00) [0.32]
Education level [less than high school, reference]^a				
High school	1.07 (5.70) [0.85]	-5.99 (6.13) [0.33]	-1.57 (4.84) [0.75]	-0.98 (6.87) [0.89]
Some college/associate's degree	2.82 (5.51) [0.61]	-9.27 (6.22) [0.14]	-1.49 (5.44) [0.78]	-3.13 (7.43) [0.68]
College graduate or above	3.39 (7.78) [0.66]	-11.45 (8.66) [0.19]	-2.18 (7.71) [0.78]	0.81 (10.95) [0.94]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	1.34 (5.25) [0.80]	-6.43 (6.15) [0.30]	-0.33 (6.14) [0.96]	5.26 (7.00) [0.46]
Distance to closest participating FINI retailer (miles) ^a	2.10** (0.95) [0.03]	-1.50 (1.03) [0.15]	0.33 (0.90) [0.71]	-1.68 (1.23) [0.18]
Household size ^a	-1.39 (1.96) [0.48]	3.10** (1.52) [0.05]	-2.47 (1.70) [0.15]	-4.32*** (2.14) [0.05]
Children present in household [no children present in household, reference] ^a	5.67 (5.23) [0.28]	7.10 (6.26) [0.26]	18.77*** (5.06) [<0.01]	27.65*** (6.51) [<0.01]

Table K-32. Probability that SNAP participant purchased fresh melons in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-4.30 (5.40) [0.43]	-0.05 (5.78) [0.99]	2.46 (5.36) [0.65]	18.65** (7.94) [0.02]
Percentage of local area receiving SNAP ^a	0.22* (0.11) [0.06]	-0.17 (0.14) [0.23]	0.10 (0.15) [0.51]	-0.04 (0.17) [0.81]
Living in urban area [living in rural area, reference] ^a	10.08 (8.16) [0.22]	8.60 (5.91) [0.15]	3.67 (7.61) [0.63]	4.86 (8.81) [0.58]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-1.86 (6.40) [0.77]	12.02** (5.16) [0.02]	- - -	- - -
Mountain Plains	-4.21 (6.61) [0.53]	3.71 (8.76) [0.67]	- - -	- - -
Northeast	-9.18* (5.42) [0.10]	-3.56 (6.35) [0.58]	- - -	- - -
Southeast	-10.30 (6.38) [0.11]	0.05 (12.31) [1.00]	- - -	- - -
Southwest	-2.48 (7.34) [0.74]	3.17 (7.30) [0.67]	- - -	- - -
West	-6.86 (5.15) [0.19]	4.68 (4.93) [0.35]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh melons in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-33. Probability that SNAP participant purchased fresh grapes in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-2.89 (2.12) [0.18]	0.04 (3.06) [0.99]	4.30 (2.82) [0.13]	- - -
Outcome ^a	24.81*** (2.26) [<0.01]	28.93*** (1.86) [<0.01]	24.54*** (2.32) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	5.91 (4.42) [0.19]	-0.95 (2.96) [0.75]	-7.09 (4.87) [0.15]	- - -
Don't know if matching amount(s) received	1.64 (3.51) [0.64]	-9.31* (5.52) [0.10]	2.63 (2.97) [0.38]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.14 (4.04) [0.78]	-0.53 (3.94) [0.89]	2.42 (4.54) [0.60]	- - -
Good	1.36 (3.21) [0.67]	-1.76 (3.22) [0.59]	1.19 (3.47) [0.73]	- - -
Gender [male, reference] ^a				
Female	0.81 (3.75) [0.83]	5.32 (4.05) [0.19]	9.31*** (3.34) [0.01]	- - -
Marital status [never married, reference] ^a				
Married	16.54*** (3.74) [<0.01]	-2.90 (6.13) [0.64]	2.54 (3.91) [0.52]	- - -
Widowed/divorced/separated	6.91** (2.89) [0.02]	1.11 (2.87) [0.70]	2.05 (2.70) [0.45]	- - -

Table K-33. Probability that SNAP participant purchased fresh grapes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-6.29** (3.12) [0.05]	2.94 (3.64) [0.42]	3.60 (3.78) [0.34]	- - -
60 or older	-6.56 (6.07) [0.28]	-5.22 (6.61) [0.43]	-3.54 (6.46) [0.59]	- - -
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-5.79 (3.97) [0.15]	9.28 (5.57) [0.10]	4.75 (3.91) [0.23]	- - -
Hispanic	3.37 (3.41) [0.33]	8.98* (4.61) [0.06]	20.76*** (2.49) [<0.01]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	2.93 (3.41) [0.39]	-0.49 (4.93) [0.92]	-5.44 (4.47) [0.23]	- - -
Education level [less than high school, reference]^a				
High school	8.44* (4.66) [0.08]	0.41 (5.09) [0.94]	-0.55 (3.38) [0.87]	- - -
Some college/associate's degree	7.88** (3.91) [0.05]	-2.14 (4.03) [0.60]	-6.80* (3.51) [0.06]	- - -
College graduate or above	16.96*** (4.76) [<0.01]	-11.30** (4.98) [0.03]	-7.35 (5.77) [0.21]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-3.34 (5.11) [0.52]	4.16 (4.43) [0.35]	-2.26 (6.04) [0.71]	- - -
Distance to closest participating FINI retailer (miles) ^a	1.69** (0.70) [0.02]	-0.78 (0.78) [0.33]	-0.48 (0.65) [0.47]	- - -
Household size ^a	-2.25* (1.28) [0.08]	5.31** (2.07) [0.01]	-1.30 (1.97) [0.51]	- - -
Children present in household [no children present in household, reference] ^a	14.14*** (4.37) [<0.01]	3.92 (4.53) [0.39]	9.92* (5.03) [0.05]	- - -

Table K-33. Probability that SNAP participant purchased fresh grapes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	1.14 (5.24) [0.83]	6.47 (3.98) [0.11]	5.54 (4.37) [0.21]	- - -
Percentage of local area receiving SNAP ^a	0.18 (0.12) [0.13]	-0.23* (0.11) [0.05]	0.03 (0.11) [0.80]	- - -
Living in urban area [living in rural area, reference] ^a	-0.26 (7.51) [0.97]	12.63** (5.33) [0.02]	-2.10 (4.53) [0.64]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	6.72 (5.45) [0.22]	12.88** (6.09) [0.04]	- - -	- - -
Mountain Plains	-3.18 (6.94) [0.65]	2.91 (7.38) [0.69]	- - -	- - -
Northeast	5.98 (3.99) [0.14]	10.42* (5.20) [0.05]	- - -	- - -
Southeast	-7.29 (5.75) [0.21]	19.64* (9.96) [0.05]	- - -	- - -
Southwest	8.67 (6.60) [0.19]	16.76*** (6.00) [0.01]	- - -	- - -
West	-1.56 (3.94) [0.69]	9.84* (5.25) [0.07]	- - -	- - -
Observations	758	661	850	421

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh grapes in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a "-". Cells in estimable models with a "-" represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-34. Probability that SNAP participant purchased fresh peaches in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	8.07*** (2.82) [0.01]	-2.08 (5.04) [0.68]	0.11 (3.92) [0.98]	10.74** (5.31) [0.05]
Outcome ^a	35.68*** (2.92) [<0.01]	27.72*** (4.59) [<0.01]	26.81*** (3.85) [<0.01]	27.82*** (5.06) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	5.44 (5.14) [0.29]	7.90* (4.26) [0.07]	-1.23 (5.12) [0.81]	-3.09 (5.83) [0.60]
Don't know if matching amount(s) received	2.41 (4.39) [0.58]	-5.22 (5.87) [0.38]	2.00 (4.55) [0.66]	-3.53 (7.89) [0.66]
Health status [fair/poor, reference] ^a				
Very good/excellent	6.12 (5.08) [0.23]	-4.95 (5.55) [0.38]	4.36 (5.57) [0.44]	10.37 (7.20) [0.16]
Good	-0.80 (4.11) [0.85]	5.00 (4.36) [0.26]	1.34 (3.83) [0.73]	-2.11 (5.09) [0.68]
Gender [male, reference] ^a				
Female	3.58 (4.09) [0.39]	9.25* (4.95) [0.07]	5.66 (4.20) [0.18]	-3.70 (5.91) [0.53]
Marital status [never married, reference] ^a				
Married	7.18 (5.79) [0.22]	-2.48 (6.38) [0.70]	5.78 (6.54) [0.38]	22.91** (10.04) [0.03]
Widowed/divorced/separated	2.30 (4.61) [0.62]	-7.19 (4.51) [0.12]	7.57* (4.44) [0.09]	19.96*** (5.59) [<0.01]

Table K-34. Probability that SNAP participant purchased fresh peaches in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-7.34* (4.12) [0.08]	9.35* (5.40) [0.09]	2.79 (4.81) [0.56]	8.34 (7.79) [0.29]
60 or older	3.98 (8.58) [0.64]	21.35** (8.02) [0.01]	-4.75 (7.01) [0.50]	4.79 (10.97) [0.66]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-0.90 (4.98) [0.86]	3.11 (11.80) [0.79]	9.14** (3.76) [0.02]	5.78 (6.40) [0.37]
Hispanic	-6.37 (5.75) [0.27]	1.99 (7.68) [0.80]	6.33 (9.19) [0.49]	8.36 (11.62) [0.48]
Born outside the U.S. [not born outside the U.S., reference] ^a	3.58 (4.96) [0.47]	-6.03 (5.81) [0.30]	-7.19* (4.02) [0.08]	-10.78 (7.55) [0.16]
Education level [less than high school, reference]^a				
High school	1.93 (5.94) [0.75]	6.36 (6.94) [0.36]	-0.85 (5.97) [0.89]	7.89 (7.36) [0.29]
Some college/associate's degree	1.99 (5.31) [0.71]	3.65 (6.53) [0.58]	-5.72 (6.17) [0.36]	-5.78 (7.51) [0.44]
College graduate or above	2.02 (8.44) [0.81]	10.12 (8.09) [0.22]	-1.84 (8.84) [0.84]	17.93 (12.60) [0.16]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	1.30 (5.31) [0.81]	9.30 (7.19) [0.20]	-6.66 (6.54) [0.31]	2.46 (11.04) [0.82]
Distance to closest participating FINI retailer (miles) ^a	2.48** (0.96) [0.01]	-0.68 (1.27) [0.59]	2.46** (1.01) [0.02]	0.80 (1.41) [0.57]
Household size ^a	0.85 (1.78) [0.64]	0.68 (2.27) [0.77]	1.33 (2.03) [0.52]	0.02 (2.19) [0.99]
Children present in household [no children present in household, reference] ^a	-4.51 (5.35) [0.40]	6.68 (6.03) [0.27]	5.84 (5.94) [0.33]	25.54*** (7.89) [<0.01]

Table K-34. Probability that SNAP participant purchased fresh peaches in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-7.73 (6.42) [0.23]	-3.51 (7.86) [0.66]	1.07 (5.19) [0.84]	-0.41 (7.00) [0.95]
Percentage of local area receiving SNAP ^a	0.02 (0.11) [0.85]	-0.04 (0.16) [0.82]	-0.05 (0.15) [0.74]	-0.24 (0.23) [0.29]
Living in urban area [living in rural area, reference] ^a	-3.36 (6.98) [0.63]	-10.29* (5.97) [0.09]	4.94 (6.15) [0.43]	13.18* (6.83) [0.06]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-6.41 (6.67) [0.34]	10.92 (7.20) [0.14]	- - -	- - -
Mountain Plains	-0.13 (9.40) [0.99]	18.44** (7.90) [0.02]	- - -	- - -
Northeast	-4.31 (5.09) [0.40]	10.75 (6.58) [0.11]	- - -	- - -
Southeast	-20.00*** (6.62) [<0.01]	18.09 (12.84) [0.17]	- - -	- - -
Southwest	6.88 (8.67) [0.43]	23.54** (8.99) [0.01]	- - -	- - -
West	-2.53 (5.92) [0.67]	12.48** (5.98) [0.04]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh peaches in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-35. Probability that SNAP participant purchased fresh pineapples in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	5.79* (3.20) [0.08]	3.82 (4.28) [0.38]	2.65 (3.14) [0.40]	12.03** (4.93) [0.02]
Outcome ^a	31.39*** (2.41) [<0.01]	31.99*** (3.31) [<0.01]	32.84*** (1.86) [<0.01]	34.67*** (3.97) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	4.26 (4.97) [0.40]	-1.46 (3.64) [0.69]	6.78 (4.85) [0.17]	26.56*** (7.29) [<0.01]
Don't know if matching amount(s) received	7.94** (3.12) [0.01]	5.79 (4.57) [0.21]	1.14 (3.23) [0.73]	-2.15 (5.27) [0.68]
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.36 (3.77) [0.72]	-1.34 (4.96) [0.79]	-0.51 (4.50) [0.91]	-11.85* (6.21) [0.06]
Good	0.14 (3.56) [0.97]	2.35 (3.89) [0.55]	2.03 (3.81) [0.60]	-1.27 (4.79) [0.79]
Gender [male, reference] ^a				
Female	8.49** (3.64) [0.02]	4.63 (3.79) [0.23]	0.30 (3.11) [0.92]	-3.72 (4.45) [0.41]
Marital status [never married, reference] ^a				
Married	15.33*** (5.38) [0.01]	-8.32* (4.83) [0.09]	5.26 (5.72) [0.36]	8.00 (8.16) [0.33]
Widowed/divorced/separated	-0.93 (4.07) [0.82]	-0.58 (4.22) [0.89]	0.62 (3.25) [0.85]	1.64 (5.56) [0.77]

Table K-35. Probability that SNAP participant purchased fresh pineapples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-2.91 (4.60) [0.53]	0.04 (4.82) [0.99]	1.69 (3.85) [0.66]	-0.51 (6.38) [0.94]
60 or older	1.25 (7.47) [0.87]	-8.58 (9.01) [0.35]	-5.82 (5.75) [0.32]	-10.42 (9.31) [0.27]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	12.96** (4.93) [0.01]	23.47** (9.48) [0.02]	6.81* (3.47) [0.05]	-4.20 (6.44) [0.52]
Hispanic	8.21** (4.04) [0.05]	-2.01 (5.22) [0.70]	4.93 (6.39) [0.44]	11.90 (11.50) [0.31]
Born outside the U.S. [not born outside the U.S., reference] ^a	6.51 (4.03) [0.11]	4.46 (5.32) [0.41]	-5.23 (3.98) [0.19]	-17.26*** (6.43) [0.01]
Education level [less than high school, reference] ^a				
High school	2.71 (4.70) [0.57]	-5.42 (6.49) [0.41]	-4.14 (4.63) [0.37]	5.20 (6.22) [0.41]
Some college/associate's degree	0.48 (4.59) [0.92]	-7.27 (6.95) [0.30]	-7.85* (4.16) [0.06]	-5.06 (5.70) [0.38]
College graduate or above	4.92 (7.49) [0.51]	-7.73 (8.13) [0.35]	-7.57 (7.53) [0.32]	1.72 (10.68) [0.87]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-1.21 (4.39) [0.78]	3.66 (6.52) [0.58]	-1.78 (4.92) [0.72]	2.20 (9.36) [0.82]
Distance to closest participating FINI retailer (miles) ^a	1.65** (0.81) [0.05]	0.85 (1.05) [0.42]	-1.10 (0.92) [0.24]	-2.48* (1.32) [0.06]
Household size ^a	-0.13 (1.61) [0.94]	2.74 (2.13) [0.20]	0.61 (1.56) [0.69]	1.27 (2.16) [0.56]
Children present in household [no children present in household, reference] ^a	3.69 (5.59) [0.51]	3.18 (5.81) [0.59]	17.21*** (5.14) [<0.01]	21.57*** (6.29) [<0.01]

Table K-35. Probability that SNAP participant purchased fresh pineapples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-11.69* (5.94) [0.05]	2.26 (5.83) [0.70]	-0.22 (3.97) [0.96]	9.96 (6.20) [0.11]
Percentage of local area receiving SNAP ^a	0.04 (0.11) [0.73]	0.28 (0.17) [0.10]	-0.13 (0.12) [0.26]	-0.22 (0.19) [0.23]
Living in urban area [living in rural area, reference] ^a	-8.77 (8.39) [0.30]	-0.53 (7.20) [0.94]	-0.75 (7.25) [0.92]	-6.29 (7.43) [0.40]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-9.53 (6.56) [0.15]	8.70 (7.41) [0.25]	- - -	- - -
Mountain Plains	-9.19 (6.54) [0.17]	17.08* (9.25) [0.07]	- - -	- - -
Northeast	-4.20 (4.56) [0.36]	2.76 (5.10) [0.59]	- - -	- - -
Southeast	-10.65* (6.33) [0.10]	2.37 (11.06) [0.83]	- - -	- - -
Southwest	-26.16*** (5.52) [<0.01]	-3.28 (6.68) [0.63]	- - -	- - -
West	-10.47** (4.76) [0.03]	10.57* (5.49) [0.06]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh pineapples in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-36. Probability that SNAP participant purchased fresh pears in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.27 (3.07) [0.68]	5.78 (4.77) [0.23]	0.32 (3.93) [0.94]	5.86 (6.46) [0.37]
Outcome ^a	34.74*** (2.09) [<0.01]	28.05*** (3.02) [<0.01]	25.92*** (2.66) [<0.01]	22.70*** (4.58) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	12.77** (6.30) [0.05]	0.96 (3.51) [0.79]	4.81 (4.86) [0.33]	7.70 (8.30) [0.36]
Don't know if matching amount(s) received	6.00 (3.64) [0.10]	8.14 (5.25) [0.13]	-4.56 (4.42) [0.31]	-5.41 (6.43) [0.40]
Health status [fair/poor, reference] ^a				
Very good/excellent	-3.29 (4.26) [0.44]	3.38 (4.62) [0.47]	-2.86 (5.32) [0.59]	2.77 (7.77) [0.72]
Good	-2.47 (3.82) [0.52]	7.61* (4.34) [0.09]	-0.65 (4.38) [0.88]	-3.11 (5.30) [0.56]
Gender [male, reference] ^a				
Female	1.42 (3.57) [0.69]	-7.62 (4.73) [0.11]	4.33 (3.80) [0.26]	-1.87 (5.50) [0.73]
Marital status [never married, reference] ^a				
Married	5.73 (5.51) [0.30]	-7.46 (5.68) [0.20]	2.71 (5.45) [0.62]	7.63 (8.83) [0.39]
Widowed/divorced/separated	2.95 (3.49) [0.40]	-3.49 (3.89) [0.37]	-2.09 (3.44) [0.55]	6.34 (5.89) [0.29]

Table K-36. Probability that SNAP participant purchased fresh pears in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-6.94 (4.17) [0.10]	3.15 (5.07) [0.54]	3.13 (4.23) [0.46]	0.16 (6.03) [0.98]
60 or older	-1.11 (7.24) [0.88]	7.54 (8.64) [0.39]	-6.99 (6.62) [0.30]	-10.35 (11.86) [0.39]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	4.22 (4.69) [0.37]	12.51 (10.25) [0.23]	6.36 (4.54) [0.17]	0.09 (6.16) [0.99]
Hispanic	-4.20 (5.88) [0.48]	7.94 (6.41) [0.22]	3.45 (6.42) [0.59]	-6.88 (10.12) [0.50]
Born outside the U.S. [not born outside the U.S., reference] ^a	4.80 (4.02) [0.24]	-1.66 (4.89) [0.74]	-0.38 (4.26) [0.93]	-8.09 (8.19) [0.33]
Education level [less than high school, reference]^a				
High school	0.86 (5.82) [0.88]	2.96 (5.68) [0.60]	-7.52 (5.18) [0.15]	10.12 (7.73) [0.20]
Some college/associate's degree	-1.90 (6.39) [0.77]	-5.02 (6.16) [0.42]	-10.08* (5.29) [0.06]	-0.72 (7.03) [0.92]
College graduate or above	12.59 (8.37) [0.14]	-9.07 (6.81) [0.19]	-9.22 (7.96) [0.25]	-8.39 (16.23) [0.61]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-1.04 (4.69) [0.83]	0.22 (5.07) [0.97]	0.67 (5.66) [0.91]	5.02 (9.25) [0.59]
Distance to closest participating FINI retailer (miles) ^a	-0.35 (0.82) [0.67]	-0.15 (0.91) [0.87]	1.79** (0.76) [0.02]	-0.43 (1.21) [0.73]
Household size ^a	1.54 (1.62) [0.34]	-0.54 (2.04) [0.79]	1.75 (1.89) [0.36]	0.62 (2.20) [0.78]
Children present in household [no children present in household, reference] ^a	-7.23 (6.20) [0.25]	9.52 (5.70) [0.10]	2.71 (5.85) [0.64]	10.56 (8.30) [0.21]

Table K-36. Probability that SNAP participant purchased fresh pears in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-10.42* (5.40) [0.06]	-6.00 (5.28) [0.26]	6.34 (4.84) [0.20]	6.56 (9.00) [0.47]
Percentage of local area receiving SNAP ^a	-0.04 (0.13) [0.74]	-0.07 (0.13) [0.62]	0.02 (0.13) [0.88]	-0.10 (0.19) [0.60]
Living in urban area [living in rural area, reference] ^a	-3.42 (8.19) [0.68]	-3.63 (7.41) [0.63]	-2.47 (5.89) [0.68]	2.61 (7.57) [0.73]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-0.65 (8.57) [0.94]	13.71* (7.35) [0.07]	- - -	- - -
Mountain Plains	-4.37 (6.92) [0.53]	6.68 (9.48) [0.48]	- - -	- - -
Northeast	-2.66 (4.11) [0.52]	9.96* (5.25) [0.06]	- - -	- - -
Southeast	-14.13** (5.77) [0.02]	-5.85 (7.44) [0.44]	- - -	- - -
Southwest	-14.06 (8.78) [0.11]	0.94 (8.29) [0.91]	- - -	- - -
West	-8.09 (6.09) [0.19]	9.54* (5.67) [0.10]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh pears in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-37. Probability that SNAP participant purchased fresh potatoes in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.50 (3.08) [0.63]	-0.48 (3.62) [0.89]	-5.51* (2.81) [0.05]	0.32 (3.49) [0.93]
Outcome ^a	19.64*** (2.79) [<0.01]	15.45*** (2.74) [<0.01]	16.42*** (2.39) [<0.01]	15.44*** (3.84) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	3.59 (4.21) [0.40]	-4.64 (3.34) [0.17]	1.11 (3.64) [0.76]	-3.73 (5.58) [0.51]
Don't know if matching amount(s) received	-0.94 (3.10) [0.76]	-8.84* (4.90) [0.08]	3.69* (2.16) [0.09]	1.74 (3.29) [0.60]
Health status [fair/poor, reference] ^a				
Very good/excellent	0.62 (3.74) [0.87]	-1.86 (4.02) [0.65]	-5.59 (3.87) [0.15]	-6.22 (5.01) [0.22]
Good	2.16 (2.67) [0.42]	-2.08 (3.11) [0.51]	3.03 (2.62) [0.25]	6.68** (2.83) [0.02]
Gender [male, reference] ^a				
Female	-2.17 (2.88) [0.45]	-2.48 (3.35) [0.46]	3.15 (2.22) [0.16]	2.94 (3.76) [0.44]
Marital status [never married, reference] ^a				
Married	3.47 (4.95) [0.49]	-0.16 (7.08) [0.98]	6.18 (3.88) [0.12]	-5.57 (6.42) [0.39]
Widowed/divorced/separated	-1.12 (2.89) [0.70]	8.50** (3.56) [0.02]	-0.55 (2.81) [0.84]	0.83 (4.04) [0.84]

Table K-37. Probability that SNAP participant purchased fresh potatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	4.17 (5.07) [0.41]	3.09 (4.02) [0.45]	4.10 (3.14) [0.20]	4.46 (4.50) [0.33]
60 or older	7.63 (6.11) [0.22]	3.30 (6.28) [0.60]	5.75 (3.92) [0.15]	-0.24 (8.24) [0.98]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-13.07*** (4.02) [<0.01]	5.84 (6.91) [0.40]	0.23 (3.04) [0.94]	-3.87 (5.02) [0.44]
Hispanic	3.22 (3.95) [0.42]	13.63*** (2.80) [<0.01]	-3.64 (7.31) [0.62]	-2.01 (4.32) [0.64]
Born outside the U.S. [not born outside the U.S., reference] ^a	2.75 (3.30) [0.41]	-10.31* (5.73) [0.08]	3.31 (2.89) [0.26]	3.07 (3.91) [0.44]
Education level [less than high school, reference]^a				
High school	3.81 (3.72) [0.31]	-2.85 (5.97) [0.63]	2.10 (3.81) [0.58]	-6.10 (3.85) [0.12]
Some college/associate's degree	0.97 (3.62) [0.79]	-4.58 (5.54) [0.41]	1.07 (3.88) [0.78]	-5.27 (3.48) [0.14]
College graduate or above	1.26 (5.24) [0.81]	-8.74 (6.53) [0.19]	2.27 (5.10) [0.66]	-5.72 (8.32) [0.49]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-7.21 (5.17) [0.17]	-0.92 (5.59) [0.87]	3.35 (4.24) [0.43]	0.38 (6.30) [0.95]
Distance to closest participating FINI retailer (miles) ^a	0.19 (0.63) [0.77]	-0.16 (0.85) [0.85]	0.58 (0.61) [0.35]	0.67 (0.96) [0.49]
Household size ^a	2.32 (1.68) [0.17]	3.51 (2.98) [0.24]	1.69 (1.13) [0.14]	3.16* (1.65) [0.06]
Children present in household [no children present in household, reference] ^a	2.89 (4.89) [0.56]	6.88 (4.90) [0.17]	1.58 (3.86) [0.68]	0.30 (5.57) [0.96]

Table K-37. Probability that SNAP participant purchased fresh potatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-5.99 (4.01) [0.14]	-0.52 (4.64) [0.91]	-2.69 (3.98) [0.50]	2.01 (8.03) [0.80]
Percentage of local area receiving SNAP ^a	0.12 (0.09) [0.20]	-0.05 (0.10) [0.62]	0.17* (0.09) [0.08]	0.11 (0.12) [0.36]
Living in urban area [living in rural area, reference] ^a	-7.69 (6.08) [0.21]	6.31 (6.82) [0.36]	1.86 (4.42) [0.68]	-0.30 (3.75) [0.94]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-10.22 (6.99) [0.15]	8.17 (5.27) [0.13]	- - -	- - -
Mountain Plains	-3.39 (5.65) [0.55]	-6.17 (9.17) [0.50]	- - -	- - -
Northeast	-3.07 (3.16) [0.34]	2.74 (4.82) [0.57]	- - -	- - -
Southeast	-1.64 (4.83) [0.74]	3.48 (6.83) [0.61]	- - -	- - -
Southwest	6.46 (4.54) [0.16]	7.22 (5.40) [0.19]	- - -	- - -
West	-4.32 (4.68) [0.36]	-0.05 (6.07) [0.99]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh potatoes in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-38. Probability that SNAP participant purchased fresh lettuce/leafy salad greens in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.59 (2.49) [0.53]	1.02 (2.00) [0.61]	-0.89 (2.41) [0.72]	6.58** (2.77) [0.02]
Outcome^a	19.82*** (2.34) [<0.01]	16.90*** (2.47) [<0.01]	19.85*** (2.11) [<0.01]	14.09*** (2.35) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	-2.64 (3.52) [0.46]	0.33 (2.08) [0.87]	-4.14 (3.82) [0.28]	-16.25** (6.61) [0.02]
Don't know if matching amount(s) received	-1.32 (2.39) [0.58]	-2.54 (4.80) [0.60]	0.84 (2.54) [0.74]	-3.72 (3.06) [0.23]
Health status [fair/poor, reference]^a				
Very good/excellent	-1.48 (2.69) [0.58]	-3.53 (2.96) [0.24]	-1.70 (2.72) [0.53]	-6.26 (4.16) [0.14]
Good	0.82 (2.59) [0.75]	-1.71 (2.50) [0.50]	-0.47 (2.64) [0.86]	1.25 (2.15) [0.56]
Gender [male, reference]^a				
Female	0.48 (2.21) [0.83]	1.67 (2.64) [0.53]	2.90 (2.49) [0.25]	2.28 (2.63) [0.39]
Marital status [never married, reference]^a				
Married	1.16 (4.14) [0.78]	3.04 (2.81) [0.29]	3.77 (3.64) [0.30]	1.25 (4.16) [0.76]
Widowed/divorced/separated	-1.11 (2.80) [0.69]	-2.55 (3.03) [0.41]	0.95 (2.46) [0.70]	-4.96 (4.51) [0.28]

Table K-38. Probability that SNAP participant purchased fresh lettuce/leafy salad greens in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-0.05 (3.09) [0.99]	10.53** (4.75) [0.03]	0.22 (3.32) [0.95]	4.56 (3.37) [0.18]
60 or older	5.02 (4.60) [0.28]	11.04* (5.51) [0.05]	-4.26 (4.08) [0.30]	-7.43 (9.72) [0.45]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-1.64 (2.64) [0.54]	-3.21 (14.00) [0.82]	6.44** (2.76) [0.02]	4.40 (2.87) [0.13]
Hispanic	-2.54 (2.91) [0.39]	2.99 (2.60) [0.26]	1.53 (5.27) [0.77]	1.09 (5.59) [0.85]
Born outside the U.S. [not born outside the U.S., reference] ^a	1.89 (2.03) [0.36]	-2.42 (3.57) [0.50]	2.67 (3.16) [0.40]	4.69 (3.55) [0.19]
Education level [less than high school, reference]^a				
High school	3.73 (2.67) [0.17]	-1.84 (3.69) [0.62]	1.88 (3.73) [0.62]	-5.55** (2.50) [0.03]
Some college/associate's degree	4.03 (3.33) [0.23]	2.41 (4.47) [0.59]	3.57 (3.68) [0.34]	-4.69* (2.78) [0.10]
College graduate or above	3.84 (4.83) [0.43]	5.74 (4.68) [0.23]	2.44 (5.04) [0.63]	-0.91 (2.48) [0.71]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-0.42 (2.43) [0.86]	-3.76 (4.07) [0.36]	-2.57 (4.21) [0.54]	-5.00 (5.12) [0.33]
Distance to closest participating FINI retailer (miles) ^a	0.08 (0.48) [0.86]	0.14 (1.34) [0.92]	0.11 (0.43) [0.81]	0.25 (0.62) [0.68]
Household size ^a	1.59 (1.11) [0.16]	1.43 (1.28) [0.27]	-2.27 (1.48) [0.13]	0.01 (1.44) [1.00]
Children present in household [no children present in household, reference] ^a	-0.12 (3.04) [0.97]	4.47 (3.25) [0.18]	11.27*** (3.85) [<0.01]	7.05* (4.14) [0.09]

Table K-38. Probability that SNAP participant purchased fresh lettuce/leafy salad greens in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-9.95*** (3.57) [0.01]	-5.22 (3.36) [0.13]	1.68 (2.84) [0.56]	9.69 (5.98) [0.11]
Percentage of local area receiving SNAP ^a	-0.09 (0.08) [0.24]	0.02 (0.08) [0.81]	0.03 (0.10) [0.77]	0.06 (0.10) [0.53]
Living in urban area [living in rural area, reference] ^a	6.28 (10.58) [0.55]	4.19 (3.62) [0.25]	-0.27 (3.24) [0.93]	3.09 (3.59) [0.39]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-10.79** (4.16) [0.01]	8.71* (5.12) [0.10]	- - -	- - -
Mountain Plains	-6.47 (4.41) [0.15]	-0.96 (5.52) [0.86]	- - -	- - -
Northeast	-2.72 (3.28) [0.41]	3.70 (4.07) [0.37]	- - -	- - -
Southeast	1.35 (3.51) [0.70]	-0.31 (9.64) [0.97]	- - -	- - -
Southwest	2.54 (3.60) [0.48]	5.55 (5.57) [0.32]	- - -	- - -
West	-1.58 (2.92) [0.59]	0.91 (4.16) [0.83]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh lettuce/leafy salad greens in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-39. Probability that SNAP participant purchased fresh onions in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-1.73 (2.37) [0.47]	- - -	-3.27 (2.24) [0.15]	- - -
Outcome ^a	27.92*** (1.83) [<0.01]	- - -	25.76*** (1.36) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-3.29 (4.86) [0.50]	- - -	-11.85*** (3.42) [<0.01]	- - -
Don't know if matching amount(s) received	-3.49 (2.94) [0.24]	- - -	0.42 (2.75) [0.88]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.61 (3.65) [0.66]	- - -	1.26 (2.40) [0.60]	- - -
Good	0.35 (2.80) [0.90]	- - -	1.99 (2.62) [0.45]	- - -
Gender [male, reference] ^a				
Female	-0.45 (2.30) [0.84]	- - -	10.39*** (2.52) [<0.01]	- - -
Marital status [never married, reference] ^a				
Married	2.92 (4.47) [0.52]	- - -	6.48* (3.43) [0.06]	- - -
Widowed/divorced/separated	0.20 (3.32) [0.95]	- - -	1.44 (2.87) [0.62]	- - -

Table K-39. Probability that SNAP participant purchased fresh onions in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	3.24 (3.60) [0.37]	- - -	7.31*** (2.73) [0.01]	- - -
60 or older	8.21 (5.01) [0.11]	- - -	-0.79 (5.34) [0.88]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-5.65 (3.88) [0.15]	- - -	8.61*** (2.71) [<0.01]	- - -
Hispanic	1.33 (2.75) [0.63]	- - -	7.57 (5.63) [0.18]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	4.74 (3.23) [0.15]	- - -	1.07 (2.65) [0.69]	- - -
Education level [less than high school, reference] ^a				
High school	3.31 (3.90) [0.40]	- - -	-1.94 (3.12) [0.54]	- - -
Some college/associate's degree	3.32 (3.92) [0.40]	- - -	-4.95 (3.36) [0.15]	- - -
College graduate or above	8.80* (4.92) [0.08]	- - -	-9.41** (4.29) [0.03]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	0.51 (4.49) [0.91]	- - -	1.54 (4.25) [0.72]	- - -
Distance to closest participating FINI retailer (miles) ^a	0.67 (0.78) [0.39]	- - -	0.22 (0.46) [0.63]	- - -
Household size ^a	0.61 (1.35) [0.65]	- - -	-0.76 (0.68) [0.27]	- - -
Children present in household [no children present in household, reference] ^a	0.43 (3.65) [0.91]	- - -	3.88 (2.37) [0.11]	- - -

Table K-39. Probability that SNAP participant purchased fresh onions in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-8.14* (4.28) [0.06]	- - -	2.20 (3.42) [0.52]	- - -
Percentage of local area receiving SNAP ^a	0.12 (0.09) [0.21]	- - -	0.04 (0.08) [0.58]	- - -
Living in urban area [living in rural area, reference] ^a	-5.74 (4.64) [0.22]	- - -	1.07 (3.30) [0.75]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-11.88** (5.18) [0.03]	- - -	- - -	- - -
Mountain Plains	-12.20** (5.16) [0.02]	- - -	- - -	- - -
Northeast	-6.92** (2.68) [0.01]	- - -	- - -	- - -
Southeast	0.86 (4.34) [0.84]	- - -	- - -	- - -
Southwest	-3.10 (7.02) [0.66]	- - -	- - -	- - -
West	-3.72 (3.00) [0.22]	- - -	- - -	- - -
Observations	759	668	847	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh onions in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a "-". Cells in estimable models with a "-" represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-40. Probability that SNAP participant purchased fresh tomatoes in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	5.27* (2.88) [0.07]	6.97** (3.41) [0.05]	-2.36 (2.37) [0.32]	2.07 (3.51) [0.56]
Outcome ^a	26.98*** (1.80) [<0.01]	24.73*** (1.89) [<0.01]	28.14*** (1.52) [<0.01]	26.72*** (2.18) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.16 (4.30) [0.79]	2.42 (3.24) [0.46]	-6.94* (4.04) [0.09]	-11.37** (5.14) [0.03]
Don't know if matching amount(s) received	-6.60** (2.96) [0.03]	-3.92 (3.89) [0.32]	0.17 (2.81) [0.95]	0.58 (4.04) [0.89]
Health status [fair/poor, reference] ^a				
Very good/excellent	0.68 (4.16) [0.87]	1.58 (3.02) [0.60]	6.56** (2.99) [0.03]	8.83** (3.58) [0.02]
Good	1.54 (3.01) [0.61]	-0.17 (2.27) [0.94]	6.07* (3.03) [0.05]	11.15*** (3.29) [<0.01]
Gender [male, reference] ^a				
Female	2.73 (3.00) [0.37]	6.05 (3.85) [0.12]	6.19* (3.19) [0.06]	-4.33 (3.91) [0.27]
Marital status [never married, reference] ^a				
Married	1.25 (4.79) [0.80]	5.10 (4.01) [0.21]	2.48 (4.69) [0.60]	6.51 (6.73) [0.34]
Widowed/divorced/separated	-0.12 (2.87) [0.97]	1.11 (3.28) [0.74]	5.17 (3.10) [0.10]	6.45 (4.14) [0.12]

Table K-40. Probability that SNAP participant purchased fresh tomatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	0.97 (3.28) [0.77]	8.10** (3.72) [0.03]	8.41** (4.17) [0.05]	4.20 (4.85) [0.39]
60 or older	9.64** (4.29) [0.03]	3.24 (7.52) [0.67]	1.65 (6.52) [0.80]	3.89 (8.24) [0.64]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-8.73** (3.55) [0.02]	12.12*** (3.08) [<0.01]	6.16** (2.60) [0.02]	-0.22 (4.75) [0.96]
Hispanic	-0.23 (4.11) [0.96]	-5.78 (4.60) [0.22]	5.77 (5.96) [0.34]	1.79 (9.22) [0.85]
Born outside the U.S. [not born outside the U.S., reference] ^a	5.52* (3.12) [0.08]	9.31** (3.67) [0.01]	1.12 (3.63) [0.76]	-1.30 (4.79) [0.79]
Education level [less than high school, reference] ^a				
High school	5.17 (4.09) [0.21]	10.63 (7.36) [0.16]	-0.34 (4.58) [0.94]	-3.54 (5.08) [0.49]
Some college/associate's degree	2.51 (3.48) [0.47]	6.05 (7.77) [0.44]	-2.62 (3.90) [0.51]	-11.26** (4.87) [0.02]
College graduate or above	7.36 (5.47) [0.18]	9.84 (7.99) [0.22]	-4.08 (5.39) [0.45]	-29.93*** (8.81) [<0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	4.04 (3.34) [0.23]	4.02 (3.42) [0.25]	-0.54 (4.41) [0.90]	9.57 (5.81) [0.10]
Distance to closest participating FINI retailer (miles) ^a	0.76 (0.55) [0.17]	-0.96 (1.09) [0.38]	0.90 (0.58) [0.12]	0.51 (1.05) [0.63]
Household size ^a	0.73 (1.15) [0.53]	0.61 (1.22) [0.62]	-1.61 (1.45) [0.27]	-0.25 (1.65) [0.88]
Children present in household [no children present in household, reference] ^a	0.42 (3.27) [0.90]	1.89 (3.27) [0.56]	11.43** (4.85) [0.02]	11.05* (5.74) [0.06]

Table K-40. Probability that SNAP participant purchased fresh tomatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-9.06** (3.96) [0.03]	1.85 (5.07) [0.72]	4.34 (4.26) [0.31]	0.71 (6.82) [0.92]
Percentage of local area receiving SNAP ^a	0.06 (0.09) [0.54]	-0.09 (0.11) [0.40]	0.04 (0.10) [0.68]	0.15 (0.13) [0.26]
Living in urban area [living in rural area, reference] ^a	-10.05** (4.81) [0.04]	1.72 (4.81) [0.72]	2.09 (4.26) [0.62]	4.14 (6.36) [0.52]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-6.65 (5.11) [0.20]	-4.70 (7.03) [0.51]	- - -	- - -
Mountain Plains	-12.94** (6.41) [0.05]	7.00 (6.30) [0.27]	- - -	- - -
Northeast	0.68 (3.90) [0.86]	0.09 (5.82) [0.99]	- - -	- - -
Southeast	-0.54 (6.16) [0.93]	8.90 (5.91) [0.14]	- - -	- - -
Southwest	-0.06 (6.55) [0.99]	2.50 (6.83) [0.72]	- - -	- - -
West	-5.73 (3.89) [0.15]	1.63 (5.04) [0.75]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh tomatoes in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-41. Probability that SNAP participant purchased fresh carrots in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.30 (3.48) [0.71]	-2.07 (3.80) [0.59]	-5.00 (3.95) [0.21]	-4.34 (5.63) [0.44]
Outcome^a	32.52*** (2.10) [<0.01]	36.11*** (2.57) [<0.01]	36.81*** (2.03) [<0.01]	33.01*** (3.56) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	0.58 (6.76) [0.93]	-2.56 (3.99) [0.52]	-0.76 (5.45) [0.89]	1.15 (8.13) [0.89]
Don't know if matching amount(s) received	0.63 (4.30) [0.88]	-10.85** (4.73) [0.03]	-4.87 (4.75) [0.31]	-3.73 (6.35) [0.56]
Health status [fair/poor, reference]^a				
Very good/excellent	-3.99 (5.22) [0.45]	7.13 (4.85) [0.15]	-2.07 (4.67) [0.66]	5.60 (7.41) [0.45]
Good	6.18* (3.58) [0.09]	7.41* (4.03) [0.07]	4.70 (3.39) [0.17]	8.66* (4.37) [0.05]
Gender [male, reference]^a				
Female	7.38* (4.09) [0.08]	11.09*** (3.88) [0.01]	6.04* (3.33) [0.07]	2.05 (5.03) [0.69]
Marital status [never married, reference]^a				
Married	-0.09 (6.00) [0.99]	4.62 (4.64) [0.32]	11.33** (5.13) [0.03]	22.52** (8.66) [0.01]
Widowed/divorced/separated	-8.32** (3.68) [0.03]	4.67 (3.90) [0.24]	0.70 (4.03) [0.86]	7.05 (6.56) [0.29]

Table K-41. Probability that SNAP participant purchased fresh carrots in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	10.00* (5.34) [0.07]	-4.43 (3.68) [0.23]	3.88 (4.06) [0.34]	10.08 (6.60) [0.13]
60 or older	17.61** (6.62) [0.01]	-7.74 (6.98) [0.27]	-0.11 (7.47) [0.99]	6.87 (10.61) [0.52]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-2.96 (5.06) [0.56]	18.64** (7.02) [0.01]	-6.11 (4.27) [0.16]	-17.76** (7.01) [0.01]
Hispanic	1.23 (5.35) [0.82]	13.65*** (4.14) [<0.01]	-6.93 (7.05) [0.33]	-21.60* (10.91) [0.05]
Born outside the U.S. [not born outside the U.S., reference] ^a	7.86* (4.65) [0.10]	-1.80 (3.99) [0.65]	-3.85 (4.35) [0.38]	-5.09 (6.97) [0.47]
Education level [less than high school, reference] ^a				
High school	8.79* (5.14) [0.09]	2.79 (4.80) [0.56]	8.68* (4.51) [0.06]	15.16** (7.22) [0.04]
Some college/associate's degree	8.67 (5.20) [0.10]	-3.92 (5.79) [0.50]	5.28 (4.67) [0.26]	6.88 (7.28) [0.35]
College graduate or above	15.20** (7.05) [0.04]	3.54 (6.90) [0.61]	10.10 (7.43) [0.18]	11.71 (14.83) [0.43]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	9.56* (4.91) [0.06]	4.88 (4.05) [0.23]	-4.55 (6.31) [0.47]	-0.12 (9.83) [0.99]
Distance to closest participating FINI retailer (miles) ^a	-0.24 (0.82) [0.77]	0.06 (0.89) [0.94]	0.53 (0.79) [0.50]	-1.55 (1.12) [0.17]
Household size ^a	2.18 (1.54) [0.16]	-1.51 (1.42) [0.29]	-2.31 (1.90) [0.23]	-0.26 (2.53) [0.92]
Children present in household [no children present in household, reference] ^a	-2.29 (5.10) [0.65]	7.99 (4.88) [0.11]	8.06 (5.33) [0.14]	14.00* (8.04) [0.09]

Table K-41. Probability that SNAP participant purchased fresh carrots in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-10.50** (3.99) [0.01]	5.36 (6.11) [0.38]	0.99 (6.08) [0.87]	-5.50 (7.36) [0.46]
Percentage of local area receiving SNAP ^a	-0.25** (0.10) [0.01]	-0.12 (0.12) [0.32]	-0.09 (0.11) [0.43]	0.07 (0.16) [0.68]
Living in urban area [living in rural area, reference] ^a	-12.64* (6.73) [0.07]	6.79 (5.47) [0.22]	3.11 (4.63) [0.50]	0.52 (5.61) [0.93]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-1.87 (7.93) [0.81]	10.99 (6.59) [0.10]	- - -	- - -
Mountain Plains	-8.29 (6.67) [0.22]	7.52 (7.65) [0.33]	- - -	- - -
Northeast	-0.27 (3.93) [0.95]	5.36 (5.99) [0.38]	- - -	- - -
Southeast	-11.06 (7.26) [0.13]	1.16 (10.47) [0.91]	- - -	- - -
Southwest	3.63 (6.53) [0.58]	-2.80 (9.81) [0.78]	- - -	- - -
West	3.71 (4.15) [0.38]	3.69 (5.60) [0.51]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh carrots in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-42. Probability that SNAP participant purchased fresh green beans in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	2.94 (4.02) [0.47]	6.52 (4.02) [0.11]	5.00 (3.41) [0.15]	15.13** (5.75) [0.01]
Outcome^a	31.96*** (2.31) [<0.01]	33.00*** (3.07) [<0.01]	27.05*** (2.75) [<0.01]	21.73*** (4.84) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	8.37 (7.82) [0.29]	-0.12 (3.94) [0.98]	-1.88 (5.07) [0.71]	2.55 (7.23) [0.73]
Don't know if matching amount(s) received	-0.49 (4.42) [0.91]	0.76 (5.25) [0.89]	-4.13 (3.42) [0.23]	-5.94 (5.70) [0.30]
Health status [fair/poor, reference]^a				
Very good/excellent	0.48 (4.83) [0.92]	-2.58 (5.09) [0.61]	9.90* (5.08) [0.06]	10.27 (7.30) [0.16]
Good	0.95 (4.30) [0.83]	0.08 (3.89) [0.98]	9.94** (3.90) [0.01]	11.47** (5.18) [0.03]
Gender [male, reference]^a				
Female	-1.23 (4.19) [0.77]	5.50 (4.45) [0.22]	6.73 (4.10) [0.11]	-3.44 (6.05) [0.57]
Marital status [never married, reference]^a				
Married	3.41 (5.90) [0.57]	5.87 (5.95) [0.33]	3.96 (5.99) [0.51]	20.34* (10.16) [0.05]
Widowed/divorced/separated	-3.42 (3.63) [0.35]	-1.95 (4.39) [0.66]	-0.60 (3.93) [0.88]	3.40 (6.24) [0.59]

Table K-42. Probability that SNAP participant purchased fresh green beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-6.82 (4.33) [0.12]	3.54 (5.57) [0.53]	3.76 (4.71) [0.43]	10.81 (6.77) [0.12]
60 or older	2.09 (6.66) [0.75]	2.94 (8.80) [0.74]	-2.85 (6.30) [0.65]	1.70 (10.02) [0.87]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-2.12 (4.63) [0.65]	4.83 (9.47) [0.61]	9.98*** (3.68) [0.01]	3.85 (5.73) [0.50]
Hispanic	6.18 (4.23) [0.15]	0.67 (4.88) [0.89]	3.46 (6.45) [0.59]	-7.36 (8.89) [0.41]
Born outside the U.S. [not born outside the U.S., reference] ^a	11.64** (4.39) [0.01]	3.69 (5.46) [0.50]	-2.17 (3.93) [0.58]	-13.72* (7.25) [0.06]
Education level [less than high school, reference]^a				
High school	7.17 (5.61) [0.21]	-4.40 (7.24) [0.55]	3.43 (4.94) [0.49]	3.17 (7.30) [0.67]
Some college/associate's degree	3.95 (5.94) [0.51]	-5.44 (7.33) [0.46]	-2.24 (4.51) [0.62]	1.15 (7.13) [0.87]
College graduate or above	8.44 (7.60) [0.27]	2.73 (8.31) [0.74]	6.56 (7.26) [0.37]	5.68 (15.32) [0.71]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	2.22 (4.73) [0.64]	-2.97 (4.99) [0.55]	2.79 (5.49) [0.61]	8.70 (9.76) [0.38]
Distance to closest participating FINI retailer (miles) ^a	2.08*** (0.64) [<0.01]	0.75 (1.21) [0.54]	-0.18 (1.01) [0.86]	-0.01 (1.60) [1.00]
Household size ^a	2.04 (1.85) [0.28]	1.11 (2.24) [0.62]	-0.50 (1.40) [0.72]	-0.26 (1.97) [0.89]
Children present in household [no children present in household, reference] ^a	-8.63 (6.33) [0.18]	7.13 (6.13) [0.25]	5.00 (5.85) [0.40]	8.52 (8.01) [0.29]

Table K-42. Probability that SNAP participant purchased fresh green beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-1.04 (4.60) [0.82]	3.65 (7.55) [0.63]	6.57 (5.48) [0.24]	3.72 (9.26) [0.69]
Percentage of local area receiving SNAP ^a	-0.01 (0.13) [0.96]	-0.06 (0.15) [0.71]	0.05 (0.12) [0.70]	-0.05 (0.19) [0.81]
Living in urban area [living in rural area, reference] ^a	0.80 (6.97) [0.91]	3.61 (5.68) [0.53]	1.40 (6.49) [0.83]	6.56 (6.34) [0.31]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-9.56 (6.73) [0.16]	16.22** (8.05) [0.05]	- - -	- - -
Mountain Plains	-6.83 (7.81) [0.38]	3.15 (8.87) [0.72]	- - -	- - -
Northeast	-8.07* (4.46) [0.08]	10.66* (5.48) [0.06]	- - -	- - -
Southeast	-13.86** (6.51) [0.04]	-3.35 (10.63) [0.75]	- - -	- - -
Southwest	-13.09 (11.26) [0.25]	-4.71 (7.64) [0.54]	- - -	- - -
West	-8.41* (4.95) [0.09]	0.24 (6.01) [0.97]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh green beans in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-43. Probability that SNAP participant purchased fresh peppers in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-2.87 (3.09) [0.36]	4.76 (4.38) [0.28]	-8.57** (3.57) [0.02]	-3.60 (6.17) [0.56]
Outcome^a	33.61*** (2.42) [<0.01]	29.65*** (2.50) [<0.01]	30.04*** (2.50) [<0.01]	28.33*** (3.99) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	-6.10 (6.46) [0.35]	-1.00 (2.90) [0.73]	-11.02* (5.93) [0.07]	-3.17 (9.70) [0.74]
Don't know if matching amount(s) received	-5.26 (3.27) [0.11]	1.00 (5.08) [0.84]	-2.74 (4.50) [0.55]	-1.47 (5.47) [0.79]
Health status [fair/poor, reference]^a				
Very good/excellent	-1.16 (4.77) [0.81]	-2.13 (4.86) [0.66]	2.56 (4.81) [0.60]	8.07 (7.15) [0.26]
Good	0.89 (3.48) [0.80]	-3.85 (3.60) [0.29]	-3.26 (3.90) [0.41]	-1.12 (5.72) [0.85]
Gender [male, reference]^a				
Female	0.40 (3.77) [0.92]	7.21 (4.41) [0.11]	6.65* (3.68) [0.08]	-0.22 (4.83) [0.96]
Marital status [never married, reference]^a				
Married	-3.11 (5.57) [0.58]	11.93** (5.65) [0.04]	2.49 (5.25) [0.64]	1.93 (10.13) [0.85]
Widowed/divorced/separated	1.32 (3.72) [0.72]	1.56 (4.96) [0.75]	-0.30 (3.49) [0.93]	2.37 (5.28) [0.66]

Table K-43. Probability that SNAP participant purchased fresh peppers in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	1.51 (3.83) [0.69]	-0.59 (4.27) [0.89]	6.35 (4.71) [0.18]	10.92 (8.63) [0.21]
60 or older	3.96 (5.56) [0.48]	-4.94 (7.84) [0.53]	8.20 (6.98) [0.24]	4.12 (12.67) [0.75]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-2.03 (5.07) [0.69]	6.27 (11.29) [0.58]	5.30 (4.12) [0.20]	-1.01 (5.41) [0.85]
Hispanic	-6.69 (4.26) [0.12]	1.97 (5.43) [0.72]	-6.88 (7.11) [0.34]	-4.25 (12.00) [0.72]
Born outside the U.S. [not born outside the U.S., reference] ^a	3.17 (3.77) [0.40]	-7.01 (6.36) [0.28]	-1.27 (4.71) [0.79]	2.41 (6.34) [0.71]
Education level [less than high school, reference] ^a				
High school	2.97 (5.47) [0.59]	5.43 (6.16) [0.38]	-4.92 (4.48) [0.28]	-5.98 (7.53) [0.43]
Some college/associate's degree	-3.91 (5.25) [0.46]	8.52 (5.97) [0.16]	-6.22 (4.44) [0.17]	-6.09 (6.91) [0.38]
College graduate or above	18.07** (7.19) [0.01]	3.18 (6.63) [0.63]	-12.27** (5.57) [0.03]	-17.59 (11.92) [0.15]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-4.56 (5.95) [0.45]	6.82 (6.23) [0.28]	-10.44* (5.22) [0.05]	-5.09 (8.81) [0.57]
Distance to closest participating FINI retailer (miles) ^a	-0.96 (0.79) [0.23]	-0.09 (1.09) [0.94]	1.49* (0.86) [0.09]	0.33 (1.23) [0.79]
Household size ^a	4.30** (1.75) [0.02]	1.29 (2.11) [0.54]	5.67*** (1.96) [0.01]	6.35 (4.85) [0.20]
Children present in household [no children present in household, reference] ^a	-4.08 (5.54) [0.47]	-7.35 (5.44) [0.18]	0.62 (4.80) [0.90]	4.55 (11.69) [0.70]

Table K-43. Probability that SNAP participant purchased fresh peppers in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	0.32 (4.43) [0.94]	4.05 (6.07) [0.51]	-1.86 (5.36) [0.73]	4.38 (8.67) [0.62]
Percentage of local area receiving SNAP ^a	-0.03 (0.10) [0.79]	0.18 (0.17) [0.31]	0.13 (0.15) [0.37]	0.05 (0.18) [0.76]
Living in urban area [living in rural area, reference] ^a	3.68 (8.25) [0.66]	8.73 (6.29) [0.17]	11.61 (7.22) [0.11]	7.32 (8.39) [0.39]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-2.95 (7.96) [0.71]	-1.88 (7.74) [0.81]	- - -	- - -
Mountain Plains	-4.44 (6.91) [0.52]	-3.15 (9.04) [0.73]	- - -	- - -
Northeast	-1.37 (4.17) [0.74]	3.56 (5.05) [0.48]	- - -	- - -
Southeast	-4.03 (6.63) [0.55]	-10.12 (11.36) [0.38]	- - -	- - -
Southwest	-8.56 (8.57) [0.32]	0.05 (8.19) [1.00]	- - -	- - -
West	-5.54 (4.83) [0.26]	-5.89 (5.54) [0.29]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh peppers in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-44. Probability that SNAP participant purchased fresh legumes/shelled beans in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	7.29*** (2.57) [0.01]	0.32 (3.18) [0.92]	-0.94 (2.52) [0.71]	-0.97 (3.71) [0.80]
Outcome^a	20.56*** (2.61) [<0.01]	21.92*** (2.44) [<0.01]	19.40*** (2.42) [<0.01]	10.98*** (4.07) [0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	9.61 (6.02) [0.12]	2.58 (3.09) [0.41]	-2.19 (3.25) [0.50]	2.37 (5.49) [0.67]
Don't know if matching amount(s) received	2.39 (3.02) [0.43]	-5.83** (2.88) [0.05]	-9.09*** (2.17) [<0.01]	-6.58** (2.72) [0.02]
Health status [fair/poor, reference] ^a				
Very good/excellent	-3.22 (3.83) [0.40]	-0.93 (3.22) [0.77]	-1.07 (3.26) [0.74]	-1.08 (4.25) [0.80]
Good	-1.52 (2.71) [0.58]	-2.42 (2.87) [0.40]	0.62 (3.12) [0.84]	-2.99 (3.73) [0.43]
Gender [male, reference] ^a				
Female	-1.69 (3.37) [0.62]	-2.78 (2.67) [0.30]	0.48 (3.25) [0.88]	-8.19* (4.50) [0.07]
Marital status [never married, reference] ^a				
Married	-5.41 (4.12) [0.19]	-3.62 (4.14) [0.39]	0.56 (4.62) [0.90]	-0.42 (4.58) [0.93]
Widowed/divorced/separated	-1.70 (2.71) [0.53]	-6.56** (3.20) [0.05]	-5.26** (2.59) [0.05]	1.84 (3.95) [0.64]

Table K-44. Probability that SNAP participant purchased fresh legumes/shelled beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	6.36* (3.20) [0.05]	2.08 (2.70) [0.44]	-1.02 (3.29) [0.76]	1.32 (3.67) [0.72]
60 or older	6.04 (5.94) [0.31]	7.11 (8.50) [0.41]	-2.19 (4.91) [0.66]	2.48 (6.87) [0.72]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-3.84 (3.76) [0.31]	1.24 (4.85) [0.80]	3.75 (2.63) [0.16]	3.65 (3.79) [0.34]
Hispanic	7.64* (4.18) [0.07]	2.17 (3.87) [0.58]	0.84 (4.74) [0.86]	0.01 (7.28) [1.00]
Born outside the U.S. [not born outside the U.S., reference] ^a	8.54** (3.62) [0.02]	7.01 (4.28) [0.11]	5.00 (3.97) [0.21]	-3.60 (3.98) [0.37]
Education level [less than high school, reference]^a				
High school	1.12 (4.11) [0.79]	1.44 (4.99) [0.77]	4.39 (2.94) [0.14]	5.73 (4.02) [0.16]
Some college/associate's degree	1.69 (4.58) [0.71]	-3.84 (5.07) [0.45]	2.36 (3.17) [0.46]	1.69 (3.61) [0.64]
College graduate or above	10.84 (6.80) [0.12]	-6.22 (5.30) [0.25]	0.87 (4.60) [0.85]	-0.71 (5.49) [0.90]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	1.07 (4.24) [0.80]	-1.54 (4.07) [0.71]	7.43* (4.13) [0.08]	10.23 (6.54) [0.12]
Distance to closest participating FINI retailer (miles) ^a	-0.21 (0.78) [0.79]	0.50 (0.63) [0.43]	0.49 (0.67) [0.47]	-0.86 (0.80) [0.29]
Household size ^a	1.46 (1.30) [0.27]	0.10 (1.30) [0.94]	0.92 (0.96) [0.34]	1.58 (1.61) [0.33]
Children present in household [no children present in household, reference] ^a	1.73 (4.43) [0.70]	5.15 (3.81) [0.18]	0.42 (3.20) [0.90]	6.27 (5.05) [0.22]

Table K-44. Probability that SNAP participant purchased fresh legumes/shelled beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-4.67 (4.30) [0.28]	-8.19 (5.28) [0.13]	-2.73 (3.36) [0.42]	-5.01 (4.40) [0.26]
Percentage of local area receiving SNAP ^a	0.13 (0.10) [0.22]	0.05 (0.12) [0.64]	-0.03 (0.10) [0.75]	-0.14 (0.11) [0.22]
Living in urban area [living in rural area, reference] ^a	-5.92 (10.67) [0.58]	-0.34 (4.44) [0.94]	3.45 (4.85) [0.48]	-7.47 (5.95) [0.21]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-16.59*** (3.65) [<0.01]	3.90 (4.18) [0.36]	- - -	- - -
Mountain Plains	-0.23 (6.43) [0.97]	1.48 (5.11) [0.77]	- - -	- - -
Northeast	-0.45 (3.79) [0.91]	3.95 (3.55) [0.27]	- - -	- - -
Southeast	1.47 (6.30) [0.82]	15.40 (9.39) [0.11]	- - -	- - -
Southwest	-8.68 (6.88) [0.21]	3.14 (5.57) [0.58]	- - -	- - -
West	2.07 (4.79) [0.67]	7.35* (4.12) [0.08]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh legumes/shelled beans in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-45. Probability that SNAP participant purchased fresh broccoli in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	4.66 (3.28) [0.16]	-0.47 (3.35) [0.89]	-5.74 (3.46) [0.10]	1.79 (5.26) [0.73]
Outcome^a	35.27*** (2.37) [<0.01]	36.31*** (2.46) [<0.01]	37.85*** (1.70) [<0.01]	28.52*** (4.52) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	-4.28 (5.80) [0.46]	4.14 (4.12) [0.32]	-0.47 (4.77) [0.92]	2.41 (10.63) [0.82]
Don't know if matching amount(s) received	5.34 (4.46) [0.24]	5.40 (5.14) [0.30]	2.09 (3.53) [0.56]	-1.10 (6.22) [0.86]
Health status [fair/poor, reference]^a				
Very good/excellent	-10.99*** (4.02) [0.01]	0.27 (5.16) [0.96]	0.60 (4.61) [0.90]	-4.23 (7.10) [0.55]
Good	2.55 (3.49) [0.47]	-1.79 (3.52) [0.61]	3.77 (3.33) [0.26]	1.26 (5.17) [0.81]
Gender [male, reference]^a				
Female	3.00 (3.87) [0.44]	-6.40 (3.94) [0.11]	5.09 (4.08) [0.22]	3.93 (5.83) [0.50]
Marital status [never married, reference]^a				
Married	4.60 (5.94) [0.44]	0.74 (6.92) [0.92]	8.43* (4.93) [0.09]	15.20* (8.54) [0.08]
Widowed/divorced/separated	0.42 (4.15) [0.92]	2.12 (4.22) [0.62]	2.64 (3.51) [0.45]	10.32* (5.47) [0.06]

Table K-45. Probability that SNAP participant purchased fresh broccoli in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	6.27 (4.89) [0.21]	-0.51 (4.91) [0.92]	5.01 (4.17) [0.23]	15.35* (8.67) [0.08]
60 or older	8.44 (7.27) [0.25]	3.27 (8.91) [0.72]	1.31 (7.49) [0.86]	9.87 (11.90) [0.41]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	1.32 (4.51) [0.77]	2.19 (11.96) [0.86]	8.82** (4.03) [0.03]	5.76 (6.68) [0.39]
Hispanic	4.53 (4.51) [0.32]	9.59 (5.92) [0.11]	6.02 (6.31) [0.34]	0.24 (10.61) [0.98]
Born outside the U.S. [not born outside the U.S., reference] ^a	3.09 (4.00) [0.44]	-2.07 (5.26) [0.69]	2.28 (4.48) [0.61]	-11.08 (7.46) [0.14]
Education level [less than high school, reference] ^a				
High school	10.99** (5.41) [0.05]	-3.55 (6.95) [0.61]	-0.87 (5.54) [0.88]	-2.81 (7.89) [0.72]
Some college/associate's degree	-2.55 (5.51) [0.65]	-1.70 (6.87) [0.81]	-4.81 (5.56) [0.39]	-5.59 (8.50) [0.51]
College graduate or above	5.01 (7.64) [0.51]	-1.81 (9.03) [0.84]	7.45 (7.42) [0.32]	12.08 (12.22) [0.33]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	1.66 (5.12) [0.75]	13.98** (6.40) [0.03]	-10.44** (5.15) [0.05]	-8.93 (9.94) [0.37]
Distance to closest participating FINI retailer (miles) ^a	0.37 (0.76) [0.63]	-0.22 (0.95) [0.82]	1.40* (0.75) [0.07]	2.87** (1.35) [0.04]
Household size ^a	2.31 (1.71) [0.18]	-0.93 (2.53) [0.72]	-0.13 (2.05) [0.95]	0.05 (3.03) [0.99]
Children present in household [no children present in household, reference] ^a	-3.31 (5.60) [0.56]	3.72 (6.85) [0.59]	11.60* (6.25) [0.07]	21.73** (9.78) [0.03]

Table K-45. Probability that SNAP participant purchased fresh broccoli in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-11.18** (4.47) [0.02]	0.07 (6.31) [0.99]	-3.78 (5.17) [0.47]	-2.86 (8.00) [0.72]
Percentage of local area receiving SNAP ^a	-0.01 (0.11) [0.93]	0.04 (0.14) [0.76]	0.11 (0.11) [0.28]	0.04 (0.21) [0.85]
Living in urban area [living in rural area, reference] ^a	8.00 (7.48) [0.29]	3.74 (5.09) [0.47]	7.57 (5.94) [0.21]	13.43 (8.11) [0.10]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-1.18 (6.80) [0.86]	24.59*** (6.58) [<0.01]	- - -	- - -
Mountain Plains	-10.76 (7.11) [0.14]	21.18** (9.41) [0.03]	- - -	- - -
Northeast	0.92 (4.15) [0.83]	9.41 (6.94) [0.18]	- - -	- - -
Southeast	-7.90 (7.96) [0.32]	7.98 (11.57) [0.49]	- - -	- - -
Southwest	10.88 (6.56) [0.10]	3.46 (7.94) [0.66]	- - -	- - -
West	10.55** (4.83) [0.03]	12.08** (5.61) [0.04]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing fresh broccoli in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-46. Probability that SNAP participant purchased frozen berries in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.74 (2.60) [0.78]	-3.33 (3.39) [0.33]	-1.77 (2.44) [0.47]	2.73 (4.09) [0.51]
Outcome ^a	19.50*** (2.85) [<0.01]	26.00*** (2.57) [<0.01]	14.30*** (2.51) [<0.01]	15.96*** (3.43) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	4.50 (5.29) [0.40]	0.64 (3.62) [0.86]	-3.78 (3.37) [0.27]	-2.02 (4.46) [0.65]
Don't know if matching amount(s) received	0.62 (2.60) [0.81]	-8.37** (3.83) [0.03]	-0.13 (2.71) [0.96]	-1.87 (3.48) [0.59]
Health status [fair/poor, reference] ^a				
Very good/excellent	-5.37* (2.90) [0.07]	-0.41 (3.89) [0.92]	-7.19*** (2.05) [<0.01]	-7.69** (3.04) [0.01]
Good	-0.93 (3.22) [0.77]	3.17 (2.43) [0.20]	1.81 (2.95) [0.54]	0.24 (4.04) [0.95]
Gender [male, reference] ^a				
Female	5.24* (3.11) [0.10]	-1.60 (4.22) [0.71]	1.59 (2.44) [0.52]	0.80 (3.08) [0.80]
Marital status [never married, reference] ^a				
Married	-2.16 (4.21) [0.61]	0.71 (4.94) [0.89]	2.55 (3.17) [0.42]	1.24 (4.28) [0.77]
Widowed/divorced/separated	-5.56* (3.01) [0.07]	-1.07 (3.85) [0.78]	6.27* (3.18) [0.05]	7.93 (4.75) [0.10]

Table K-46. Probability that SNAP participant purchased frozen berries in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-6.33** (3.11) [0.05]	-8.40** (4.09) [0.05]	-4.26 (2.90) [0.15]	-3.58 (4.28) [0.41]
60 or older	-3.22 (4.51) [0.48]	-5.04 (7.91) [0.53]	-2.77 (5.21) [0.60]	1.25 (9.41) [0.89]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-2.66 (3.92) [0.50]	-2.60 (8.71) [0.77]	1.22 (2.63) [0.64]	-5.68* (3.36) [0.10]
Hispanic	-4.53 (3.58) [0.21]	-3.48 (3.66) [0.35]	4.31 (5.29) [0.42]	-3.19 (7.79) [0.68]
Born outside the U.S. [not born outside the U.S., reference] ^a	4.75 (3.47) [0.18]	-0.36 (4.42) [0.94]	-0.49 (3.81) [0.90]	-1.14 (4.66) [0.81]
Education level [less than high school, reference]^a				
High school	-1.70 (3.39) [0.62]	-2.19 (7.12) [0.76]	-2.61 (3.61) [0.47]	-2.53 (5.33) [0.64]
Some college/associate's degree	6.69 (4.13) [0.11]	-2.55 (5.27) [0.63]	1.14 (3.48) [0.74]	-1.21 (3.78) [0.75]
College graduate or above	4.52 (5.29) [0.40]	3.84 (7.27) [0.60]	5.25 (7.50) [0.49]	-8.77 (6.72) [0.20]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	2.42 (3.49) [0.49]	0.72 (4.72) [0.88]	4.48 (4.14) [0.28]	15.62 (9.75) [0.11]
Distance to closest participating FINI retailer (miles) ^a	-0.44 (0.61) [0.47]	1.20 (0.99) [0.23]	-0.14 (0.62) [0.83]	0.86 (0.92) [0.35]
Household size ^a	1.34 (1.02) [0.20]	-1.52 (1.52) [0.32]	-1.10 (1.05) [0.30]	-1.98 (1.67) [0.24]
Children present in household [no children present in household, reference] ^a	-4.53 (4.13) [0.28]	-2.31 (4.84) [0.64]	9.40** (4.10) [0.03]	15.10** (5.90) [0.01]

Table K-46. Probability that SNAP participant purchased frozen berries in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-2.37 (4.07) [0.56]	-3.99 (6.88) [0.56]	-8.17** (3.29) [0.02]	-12.14** (4.60) [0.01]
Percentage of local area receiving SNAP ^a	-0.03 (0.10) [0.76]	0.05 (0.12) [0.66]	-0.11 (0.08) [0.18]	-0.07 (0.09) [0.43]
Living in urban area [living in rural area, reference] ^a	5.29 (4.78) [0.27]	5.11 (4.54) [0.27]	1.27 (3.85) [0.74]	-0.99 (5.86) [0.87]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-5.81 (4.10) [0.16]	2.49 (6.42) [0.70]	- - -	- - -
Mountain Plains	-2.45 (4.50) [0.59]	-0.78 (4.54) [0.86]	- - -	- - -
Northeast	-0.34 (2.83) [0.91]	4.91 (4.85) [0.32]	- - -	- - -
Southeast	2.18 (4.42) [0.62]	3.81 (9.15) [0.68]	- - -	- - -
Southwest	-5.28 (6.49) [0.42]	8.22 (5.77) [0.16]	- - -	- - -
West	2.94 (3.84) [0.45]	3.56 (4.74) [0.46]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen berries in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-47. Probability that SNAP participant purchased frozen pineapples in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	- - -	- - -	1.20 (1.34) [0.37]	- - -
Outcome ^a	- - -	- - -	4.96* (2.53) [0.05]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	- - -	- - -	-0.66 (1.98) [0.74]	- - -
Don't know if matching amount(s) received	- - -	- - -	1.76 (1.37) [0.21]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	- - -	- - -	-1.27 (0.78) [0.11]	- - -
Good	- - -	- - -	3.25* (1.71) [0.06]	- - -
Gender [male, reference] ^a				
Female	- - -	- - -	1.30 (1.26) [0.31]	- - -
Marital status [never married, reference] ^a				
Married	- - -	- - -	0.92 (1.87) [0.62]	- - -
Widowed/divorced/separated	- - -	- - -	-0.23 (1.37) [0.87]	- - -

Table K-47. Probability that SNAP participant purchased frozen pineapples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	- - [0.78]	- - [0.78]	0.50 (1.78) [0.78]	- - [0.78]
60 or older	- - [0.79]	- - [0.79]	-0.48 (1.79) [0.79]	- - [0.79]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	- - [0.26]	- - [0.26]	1.50 (1.33) [0.26]	- - [0.26]
Hispanic	- - [0.81]	- - [0.81]	0.42 (1.70) [0.81]	- - [0.81]
Born outside the U.S. [not born outside the U.S., reference] ^a	- - [0.93]	- - [0.93]	0.21 (2.22) [0.93]	- - [0.93]
Education level [less than high school, reference]^a				
High school	- - [0.91]	- - [0.91]	0.11 (0.97) [0.91]	- - [0.91]
Some college/associate's degree	- - [0.07]	- - [0.07]	3.15* (1.70) [0.07]	- - [0.07]
College graduate or above	- - [0.48]	- - [0.48]	1.49 (2.08) [0.48]	- - [0.48]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	- - [0.50]	- - [0.50]	-1.10 (1.63) [0.50]	- - [0.50]
Distance to closest participating FINI retailer (miles) ^a	- - [0.33]	- - [0.33]	-0.42 (0.43) [0.33]	- - [0.33]
Household size ^a	- - [0.50]	- - [0.50]	-0.31 (0.46) [0.50]	- - [0.50]
Children present in household [no children present in household, reference] ^a	- - [0.09]	- - [0.09]	3.37* (1.96) [0.09]	- - [0.09]

Table K-47. Probability that SNAP participant purchased frozen pineapples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	- - -	- - -	-0.22 (1.36) [0.87]	- - -
Percentage of local area receiving SNAP ^a	- - -	- - -	-0.06 (0.05) [0.27]	- - -
Living in urban area [living in rural area, reference] ^a	- - -	- - -	1.11 (1.17) [0.35]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	- - -	- - -	- - -	- - -
Mountain Plains	- - -	- - -	- - -	- - -
Northeast	- - -	- - -	- - -	- - -
Southeast	- - -	- - -	- - -	- - -
Southwest	- - -	- - -	- - -	- - -
West	- - -	- - -	- - -	- - -
Observations	772	668	850	421

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen pineapples in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-48. Probability that SNAP participant purchased frozen potatoes in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.19 (1.98) [0.55]	1.10 (2.71) [0.69]	1.11 (1.53) [0.47]	- - -
Outcome ^a	13.75*** (2.14) [<0.01]	12.51*** (3.50) [<0.01]	10.72*** (1.75) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	1.46 (4.78) [0.76]	-2.33 (2.40) [0.34]	-3.21 (2.11) [0.13]	- - -
Don't know if matching amount(s) received	-2.77 (2.02) [0.17]	2.71 (4.10) [0.51]	-3.36** (1.48) [0.03]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	-4.07 (2.94) [0.17]	1.74 (3.55) [0.63]	-0.52 (1.41) [0.71]	- - -
Good	-3.10 (1.89) [0.11]	0.69 (2.57) [0.79]	1.59 (1.54) [0.31]	- - -
Gender [male, reference] ^a				
Female	5.69*** (1.56) [<0.01]	0.24 (2.34) [0.92]	-2.07 (1.63) [0.21]	- - -
Marital status [never married, reference] ^a				
Married	-3.15 (3.57) [0.38]	-3.81 (2.42) [0.12]	-2.62 (1.85) [0.16]	- - -
Widowed/divorced/separated	-6.36*** (2.24) [0.01]	-1.35 (2.84) [0.64]	-0.37 (1.83) [0.84]	- - -

Table K-48. Probability that SNAP participant purchased frozen potatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	3.87** (1.87) [0.04]	2.56 (2.19) [0.25]	-0.74 (1.73) [0.67]	- - -
60 or older	14.31** (6.16) [0.02]	3.24 (5.04) [0.52]	3.69 (4.51) [0.42]	- - -
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-3.83 (2.73) [0.17]	-0.05 (5.72) [0.99]	3.81 (2.34) [0.11]	- - -
Hispanic	-1.18 (2.73) [0.67]	-0.95 (3.46) [0.78]	5.44 (5.10) [0.29]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	-3.50 (2.21) [0.12]	-3.44 (2.90) [0.24]	-4.70*** (1.00) [<0.01]	- - -
Education level [less than high school, reference]^a				
High school	-4.53** (2.15) [0.04]	1.64 (3.31) [0.62]	3.23** (1.53) [0.04]	- - -
Some college/associate's degree	1.62 (2.81) [0.57]	1.25 (3.48) [0.72]	3.60** (1.61) [0.03]	- - -
College graduate or above	5.83 (4.47) [0.20]	2.46 (4.66) [0.60]	4.65** (2.18) [0.04]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	9.28*** (2.88) [<0.01]	3.50 (3.85) [0.37]	2.11 (2.46) [0.39]	- - -
Distance to closest participating FINI retailer (miles) ^a	0.29 (0.31) [0.34]	0.41 (0.66) [0.54]	-0.49 (0.44) [0.28]	- - -
Household size ^a	-0.70 (0.96) [0.47]	-0.26 (0.99) [0.79]	-0.40 (0.67) [0.56]	- - -
Children present in household [no children present in household, reference] ^a	3.28 (2.80) [0.25]	4.56 (3.81) [0.24]	-1.13 (1.98) [0.57]	- - -

Table K-48. Probability that SNAP participant purchased frozen potatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-5.73* (2.94) [0.06]	-0.58 (3.82) [0.88]	-3.91 (2.58) [0.13]	- - -
Percentage of local area receiving SNAP ^a	0.05 (0.07) [0.45]	-0.03 (0.08) [0.66]	-0.17*** (0.05) [<0.01]	- - -
Living in urban area [living in rural area, reference] ^a	-0.08 (4.86) [0.99]	4.81** (2.36) [0.05]	-4.53 (3.65) [0.22]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-1.49 (3.89) [0.70]	0.64 (4.06) [0.87]	- - -	- - -
Mountain Plains	-10.30*** (1.94) [<0.01]	-1.45 (4.27) [0.74]	- - -	- - -
Northeast	-7.14*** (2.34) [<0.01]	-0.74 (4.51) [0.87]	- - -	- - -
Southeast	-9.83*** (1.92) [<0.01]	4.85 (7.35) [0.51]	- - -	- - -
Southwest	0.11 (9.04) [0.99]	2.32 (5.80) [0.69]	- - -	- - -
West	-1.45 (2.77) [0.60]	-3.52 (3.90) [0.37]	- - -	- - -
Observations	759	661	847	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen potatoes in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-49. Probability that SNAP participant purchased frozen onions in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	- - -	- - -	-0.19 (0.73) [0.79]	- - -
Outcome ^a	- - -	- - -	5.18** (2.18) [0.02]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	- - -	- - -	1.13 (1.37) [0.41]	- - -
Don't know if matching amount(s) received	- - -	- - -	-0.29 (0.81) [0.72]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	- - -	- - -	-0.79 (0.91) [0.39]	- - -
Good	- - -	- - -	0.57 (0.89) [0.52]	- - -
Gender [male, reference] ^a				
Female	- - -	- - -	0.21 (0.91) [0.82]	- - -
Marital status [never married, reference] ^a				
Married	- - -	- - -	-0.72 (1.03) [0.49]	- - -
Widowed/divorced/separated	- - -	- - -	0.37 (1.35) [0.78]	- - -

Table K-49. Probability that SNAP participant purchased frozen onions in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	- - -	- - -	-1.49* (0.81) [0.07]	- - -
60 or older	- - -	- - -	-1.36 (1.45) [0.35]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	- - -	- - -	-0.06 (1.01) [0.95]	- - -
Hispanic	- - -	- - -	-0.42 (0.74) [0.57]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	- - -	- - -	2.07* (1.22) [0.10]	- - -
Education level [less than high school, reference] ^a				
High school	- - -	- - -	0.88 (1.41) [0.53]	- - -
Some college/associate's degree	- - -	- - -	0.45 (1.48) [0.76]	- - -
College graduate or above	- - -	- - -	-0.39 (1.25) [0.76]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	- - -	- - -	4.14 (3.05) [0.18]	- - -
Distance to closest participating FINI retailer (miles) ^a	- - -	- - -	0.18 (0.19) [0.35]	- - -
Household size ^a	- - -	- - -	-0.46 (0.40) [0.25]	- - -
Children present in household [no children present in household, reference] ^a	- - -	- - -	1.02 (0.98) [0.30]	- - -

Table K-49. Probability that SNAP participant purchased frozen onions in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	- - -	- - -	-1.27 (0.93) [0.18]	- - -
Percentage of local area receiving SNAP ^a	- - -	- - -	0.03 (0.02) [0.16]	- - -
Living in urban area [living in rural area, reference] ^a	- - -	- - -	0.92 (1.18) [0.44]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	- - -	- - -	- - -	- - -
Mountain Plains	- - -	- - -	- - -	- - -
Northeast	- - -	- - -	- - -	- - -
Southeast	- - -	- - -	- - -	- - -
Southwest	- - -	- - -	- - -	- - -
West	- - -	- - -	- - -	- - -
Observations	774	668	847	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen onions in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a "-". Cells in estimable models with a "-" represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-50. Probability that SNAP participant purchased frozen carrots in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	- - -	- - -	-0.76 (1.62) [0.64]	- - -
Outcome ^a	- - -	- - -	11.92*** (2.83) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	- - -	- - -	-2.30 (2.26) [0.31]	- - -
Don't know if matching amount(s) received	- - -	- - -	-1.41 (2.58) [0.59]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	- - -	- - -	-1.59 (2.55) [0.54]	- - -
Good	- - -	- - -	-2.74 (1.84) [0.14]	- - -
Gender [male, reference] ^a				
Female	- - -	- - -	4.36*** (1.38) [<0.01]	- - -
Marital status [never married, reference] ^a				
Married	- - -	- - -	-0.53 (3.11) [0.86]	- - -
Widowed/divorced/separated	- - -	- - -	2.85 (2.18) [0.20]	- - -

Table K-50. Probability that SNAP participant purchased frozen carrots in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	- - [0.26]	- - -	-3.51 (3.07) [0.26]	- - -
60 or older	- - -	- - -	-4.46 (3.80) [0.25]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	- - [0.30]	- - -	2.12 (2.02) [0.30]	- - -
Hispanic	- - [0.92]	- - -	-0.49 (4.82) [0.92]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	- - [0.71]	- - -	-0.99 (2.62) [0.71]	- - -
Education level [less than high school, reference] ^a				
High school	- - [0.51]	- - -	1.97 (2.94) [0.51]	- - -
Some college/associate's degree	- - [0.61]	- - -	1.46 (2.87) [0.61]	- - -
College graduate or above	- - [0.34]	- - -	-2.65 (2.74) [0.34]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	- - [0.10]	- - -	8.03 (4.82) [0.10]	- - -
Distance to closest participating FINI retailer (miles) ^a	- - [0.90]	- - -	0.09 (0.72) [0.90]	- - -
Household size ^a	- - [0.27]	- - -	0.91 (0.82) [0.27]	- - -
Children present in household [no children present in household, reference] ^a	- - [0.38]	- - -	-2.29 (2.62) [0.38]	- - -

Table K-50. Probability that SNAP participant purchased frozen carrots in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	- - -	- - -	0.89 (2.96) [0.76]	- - -
Percentage of local area receiving SNAP ^a	- - -	- - -	0.07 (0.07) [0.34]	- - -
Living in urban area [living in rural area, reference] ^a	- - -	- - -	3.90 (3.19) [0.23]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	- - -	- - -	- - -	- - -
Mountain Plains	- - -	- - -	- - -	- - -
Northeast	- - -	- - -	- - -	- - -
Southeast	- - -	- - -	- - -	- - -
Southwest	- - -	- - -	- - -	- - -
West	- - -	- - -	- - -	- - -
Observations	774	668	847	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen carrots in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a "-". Cells in estimable models with a "-" represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-51. Probability that SNAP participant purchased frozen green beans in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-1.63 (2.60) [0.53]	-1.85 (3.01) [0.54]	-2.97 (2.08) [0.16]	0.91 (3.81) [0.81]
Outcome^a	21.49*** (2.79) [<0.01]	20.22*** (2.32) [<0.01]	19.70*** (2.09) [<0.01]	22.70*** (3.07) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference]^{a,b}				
Matching amount received at farmers market or grocery store	4.66 (4.76) [0.33]	0.53 (3.04) [0.86]	-1.78 (3.91) [0.65]	-5.28 (4.25) [0.22]
Don't know if matching amount(s) received	-1.26 (2.99) [0.68]	6.72 (4.30) [0.12]	0.54 (3.01) [0.86]	-2.50 (2.75) [0.37]
Health status [fair/poor, reference]^a				
Very good/excellent	-2.85 (4.73) [0.55]	0.46 (2.66) [0.86]	-2.79 (3.16) [0.38]	2.75 (5.21) [0.60]
Good	-6.29** (2.57) [0.02]	-1.51 (2.56) [0.56]	1.85 (2.60) [0.48]	0.64 (3.61) [0.86]
Gender [male, reference]^a				
Female	-0.41 (2.94) [0.89]	3.40 (2.59) [0.19]	4.59** (2.23) [0.04]	2.11 (3.33) [0.53]
Marital status [never married, reference]^a				
Married	-6.21 (4.50) [0.17]	-4.29 (3.76) [0.26]	1.09 (3.58) [0.76]	-3.29 (5.05) [0.52]
Widowed/divorced/separated	-7.20** (3.28) [0.03]	-1.45 (3.30) [0.66]	3.80 (2.82) [0.18]	0.70 (3.29) [0.83]

Table K-51. Probability that SNAP participant purchased frozen green beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-9.46*** (3.03) [<0.01]	0.46 (2.98) [0.88]	-0.25 (3.04) [0.93]	5.39 (3.49) [0.13]
60 or older	-1.04 (6.23) [0.87]	5.19 (6.79) [0.45]	6.23 (6.15) [0.31]	18.10* (9.15) [0.05]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	0.78 (3.69) [0.83]	-9.18*** (1.84) [<0.01]	0.56 (2.45) [0.82]	2.54 (4.19) [0.55]
Hispanic	-3.79 (3.06) [0.22]	4.41 (3.50) [0.21]	-0.61 (5.20) [0.91]	8.72 (8.70) [0.32]
Born outside the U.S. [not born outside the U.S., reference] ^a	-1.17 (4.01) [0.77]	-6.22** (2.45) [0.01]	0.59 (3.12) [0.85]	-4.97 (3.63) [0.18]
Education level [less than high school, reference]^a				
High school	-2.05 (3.08) [0.51]	-4.81 (4.83) [0.32]	2.11 (2.89) [0.47]	2.96 (3.45) [0.39]
Some college/associate's degree	0.33 (3.38) [0.92]	-8.43* (4.98) [0.10]	1.90 (3.16) [0.55]	0.84 (3.39) [0.81]
College graduate or above	2.44 (5.92) [0.68]	-8.42 (5.87) [0.16]	7.37 (6.01) [0.22]	6.59 (9.33) [0.48]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	5.70 (4.16) [0.18]	5.84 (4.81) [0.23]	5.89 (4.98) [0.24]	15.81* (8.33) [0.06]
Distance to closest participating FINI retailer (miles) ^a	0.86* (0.49) [0.08]	-0.36 (0.95) [0.71]	0.42 (0.61) [0.49]	-0.46 (0.90) [0.61]
Household size ^a	-2.33** (1.15) [0.05]	-1.73 (1.31) [0.19]	-0.59 (1.04) [0.57]	-2.83* (1.57) [0.08]
Children present in household [no children present in household, reference] ^a	-0.21 (4.03) [0.96]	3.94 (3.66) [0.29]	0.47 (3.30) [0.89]	5.17 (3.98) [0.20]

Table K-51. Probability that SNAP participant purchased frozen green beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-5.07 (4.04) [0.21]	-9.24** (4.13) [0.03]	-8.65** (3.94) [0.03]	-11.37* (5.86) [0.06]
Percentage of local area receiving SNAP ^a	0.11 (0.08) [0.15]	0.16 (0.11) [0.15]	-0.12 (0.08) [0.16]	-0.41*** (0.13) [<0.01]
Living in urban area [living in rural area, reference] ^a	1.06 (4.31) [0.81]	5.28 (3.57) [0.15]	6.98** (3.25) [0.04]	7.74* (4.12) [0.07]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-7.98* (4.50) [0.08]	6.17 (4.76) [0.20]	- - -	- - -
Mountain Plains	-12.14** (5.15) [0.02]	4.26 (4.96) [0.39]	- - -	- - -
Northeast	-9.47** (3.76) [0.01]	3.73 (3.57) [0.30]	- - -	- - -
Southeast	-12.82*** (4.18) [<0.01]	6.23 (7.72) [0.42]	- - -	- - -
Southwest	-9.22* (5.45) [0.10]	6.08 (4.64) [0.20]	- - -	- - -
West	-5.37 (4.33) [0.22]	9.39** (3.84) [0.02]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen green beans in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-52. Probability that SNAP participant purchased frozen broccoli in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-1.11 (3.48) [0.75]	4.30 (3.24) [0.19]	-5.28 (3.29) [0.11]	-4.84 (5.77) [0.40]
Outcome ^a	29.00*** (2.58) [<0.01]	25.98*** (2.98) [<0.01]	26.50*** (2.53) [<0.01]	23.07*** (4.15) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.30 (4.90) [0.79]	-2.69 (4.11) [0.52]	-6.50 (4.25) [0.13]	-3.98 (7.18) [0.58]
Don't know if matching amount(s) received	-1.01 (3.77) [0.79]	-6.41 (4.36) [0.15]	1.31 (3.33) [0.69]	-3.95 (5.50) [0.48]
Health status [fair/poor, reference] ^a				
Very good/excellent	-0.50 (3.90) [0.90]	-3.57 (4.13) [0.39]	-7.40* (3.89) [0.06]	1.68 (7.12) [0.81]
Good	0.25 (3.50) [0.94]	-2.04 (3.59) [0.57]	-0.09 (3.58) [0.98]	-2.72 (5.40) [0.62]
Gender [male, reference] ^a				
Female	-3.32 (3.58) [0.36]	10.32*** (3.34) [<0.01]	7.55** (3.76) [0.05]	1.20 (5.20) [0.82]
Marital status [never married, reference] ^a				
Married	-0.91 (4.13) [0.83]	-2.61 (5.13) [0.61]	-1.56 (5.11) [0.76]	-5.81 (8.84) [0.51]
Widowed/divorced/separated	6.84* (3.49) [0.05]	-7.44* (4.05) [0.07]	3.70 (3.61) [0.31]	4.97 (5.41) [0.36]

Table K-52. Probability that SNAP participant purchased frozen broccoli in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-19.38*** (4.69) [<0.01]	1.71 (3.55) [0.63]	6.18 (4.06) [0.13]	7.31 (6.04) [0.23]
60 or older	-9.50 (6.99) [0.18]	6.06 (7.29) [0.41]	9.07 (6.82) [0.19]	15.51 (10.42) [0.14]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-0.41 (4.65) [0.93]	-11.18 (9.25) [0.23]	9.88*** (3.57) [0.01]	12.90** (6.43) [0.05]
Hispanic	-7.92* (4.42) [0.08]	-2.09 (4.29) [0.63]	-4.96 (5.53) [0.37]	-1.31 (10.64) [0.90]
Born outside the U.S. [not born outside the U.S., reference] ^a	-5.43 (3.95) [0.17]	-10.25* (5.51) [0.07]	-11.03** (4.25) [0.01]	-11.42** (5.40) [0.04]
Education level [less than high school, reference]^a				
High school	-8.18 (5.13) [0.12]	-0.72 (5.91) [0.90]	-1.91 (5.13) [0.71]	-8.48 (7.83) [0.28]
Some college/associate's degree	-1.71 (5.50) [0.76]	-6.17 (5.94) [0.30]	1.21 (5.07) [0.81]	-1.56 (7.18) [0.83]
College graduate or above	1.13 (7.02) [0.87]	-5.09 (7.05) [0.47]	6.26 (7.68) [0.42]	4.92 (15.07) [0.75]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	4.62 (5.33) [0.39]	2.55 (4.91) [0.61]	6.64 (4.65) [0.16]	8.06 (9.51) [0.40]
Distance to closest participating FINI retailer (miles) ^a	0.24 (0.72) [0.74]	1.41 (0.87) [0.11]	-0.24 (0.97) [0.80]	-1.20 (1.34) [0.37]
Household size ^a	-2.35 (1.46) [0.11]	3.29** (1.25) [0.01]	2.72* (1.57) [0.09]	4.42* (2.43) [0.07]
Children present in household [no children present in household, reference] ^a	8.64* (4.95) [0.09]	-3.61 (4.21) [0.39]	-1.55 (4.11) [0.71]	0.32 (6.28) [0.96]

Table K-52. Probability that SNAP participant purchased frozen broccoli in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-2.08 (4.09) [0.61]	-6.70 (6.08) [0.28]	-7.16* (4.25) [0.10]	-4.96 (7.28) [0.50]
Percentage of local area receiving SNAP ^a	0.13 (0.10) [0.23]	0.36** (0.14) [0.01]	-0.05 (0.12) [0.69]	-0.28* (0.17) [0.10]
Living in urban area [living in rural area, reference] ^a	4.85 (4.86) [0.32]	1.80 (5.23) [0.73]	6.76 (4.71) [0.16]	8.77 (6.92) [0.21]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-4.13 (6.65) [0.54]	-12.80** (5.82) [0.03]	- - -	- - -
Mountain Plains	6.90 (6.49) [0.29]	1.44 (8.80) [0.87]	- - -	- - -
Northeast	-2.53 (4.33) [0.56]	-11.55* (6.29) [0.07]	- - -	- - -
Southeast	2.96 (5.91) [0.62]	-9.06 (11.52) [0.44]	- - -	- - -
Southwest	-1.72 (6.59) [0.79]	-16.68*** (5.97) [0.01]	- - -	- - -
West	0.46 (4.85) [0.93]	-7.47 (5.58) [0.19]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing frozen broccoli in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-53. Probability that SNAP participant purchased canned apples in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	- - -	- - -	2.57** (1.03) [0.02]	- - -
Outcome ^a	- - -	- - -	7.18*** (1.53) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	- - -	- - -	-1.21** (0.60) [0.05]	- - -
Don't know if matching amount(s) received	- - -	- - -	-0.03 (1.35) [0.98]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	- - -	- - -	-2.81*** (0.72) [<0.01]	- - -
Good	- - -	- - -	-0.34 (0.64) [0.59]	- - -
Gender [male, reference] ^a				
Female	- - -	- - -	-0.31 (0.97) [0.75]	- - -
Marital status [never married, reference] ^a				
Married	- - -	- - -	3.61 (2.94) [0.23]	- - -
Widowed/divorced/separated	- - -	- - -	2.60*** (0.93) [0.01]	- - -

Table K-53. Probability that SNAP participant purchased canned apples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	- - [0.55]	- - [0.55]	0.96 (1.59) [0.55]	- - [0.55]
60 or older	- - [0.10]	- - [0.10]	-2.00 (1.21) [0.10]	- - [0.10]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	- - [0.02]	- - [0.02]	2.19** (0.93) [0.02]	- - [0.02]
Hispanic	- - [0.05]	- - [0.05]	2.11* (1.07) [0.05]	- - [0.05]
Born outside the U.S. [not born outside the U.S., reference] ^a	- - [<0.01]	- - [<0.01]	-2.23*** (0.65) [<0.01]	- - [<0.01]
Education level [less than high school, reference] ^a				
High school	- - [0.39]	- - [0.39]	0.73 (0.85) [0.39]	- - [0.39]
Some college/associate's degree	- - [0.03]	- - [0.03]	1.83** (0.80) [0.03]	- - [0.03]
College graduate or above	- - [0.77]	- - [0.77]	0.24 (0.81) [0.77]	- - [0.77]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	- - [0.83]	- - [0.83]	-0.51 (2.36) [0.83]	- - [0.83]
Distance to closest participating FINI retailer (miles) ^a	- - [0.02]	- - [0.02]	0.26** (0.11) [0.02]	- - [0.02]
Household size ^a	- - [0.39]	- - [0.39]	-0.33 (0.38) [0.39]	- - [0.39]
Children present in household [no children present in household, reference] ^a	- - [0.05]	- - [0.05]	2.78** (1.39) [0.05]	- - [0.05]

Table K-53. Probability that SNAP participant purchased canned apples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-	-	4.30*** (1.33) [<0.01]	-
Percentage of local area receiving SNAP ^a	-	-	0.02 (0.02) [0.29]	-
Living in urban area [living in rural area, reference] ^a	-	-	-7.29** (3.29) [0.03]	-
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-	-	-	-
Mountain Plains	-	-	-	-
Northeast	-	-	-	-
Southeast	-	-	-	-
Southwest	-	-	-	-
West	-	-	-	-
Observations	772	668	850	421

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned apples in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-54. Probability that SNAP participant purchased canned oranges in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	- - -	0.69 (1.75) [0.70]	-1.43 (1.85) [0.44]	- - -
Outcome ^a	- - -	10.88*** (2.20) [<0.01]	12.49*** (2.08) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	- - -	-1.75 (2.15) [0.42]	-0.23 (2.71) [0.93]	- - -
Don't know if matching amount(s) received	- - -	-1.29 (2.52) [0.61]	1.59 (2.12) [0.46]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	- - -	1.01 (2.16) [0.64]	2.14 (3.38) [0.53]	- - -
Good	- - -	2.62 (2.14) [0.23]	4.78 (3.21) [0.14]	- - -
Gender [male, reference] ^a				
Female	- - -	-0.52 (2.00) [0.80]	-1.92 (2.58) [0.46]	- - -
Marital status [never married, reference] ^a				
Married	- - -	0.37 (2.01) [0.86]	-1.08 (2.39) [0.65]	- - -
Widowed/divorced/separated	- - -	4.17* (2.09) [0.05]	3.54 (3.67) [0.34]	- - -

Table K-54. Probability that SNAP participant purchased canned oranges in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	- - -	-2.45 (3.12) [0.44]	-1.90 (3.53) [0.59]	- - -
60 or older	- - -	-3.98 (3.56) [0.27]	4.09 (5.93) [0.49]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	- - -	6.16 (4.36) [0.16]	-2.31 (2.66) [0.39]	- - -
Hispanic	- - -	0.84 (3.08) [0.79]	0.49 (5.36) [0.93]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	- - -	-0.74 (1.99) [0.71]	-4.05* (2.19) [0.07]	- - -
Education level [less than high school, reference] ^a				
High school	- - -	-1.57 (1.89) [0.41]	3.11 (5.29) [0.56]	- - -
Some college/associate's degree	- - -	-1.24 (2.20) [0.58]	-0.19 (4.03) [0.96]	- - -
College graduate or above	- - -	-0.26 (3.10) [0.93]	-3.53 (4.51) [0.44]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	- - -	0.84 (2.44) [0.73]	1.11 (2.95) [0.71]	- - -
Distance to closest participating FINI retailer (miles) ^a	- - -	-0.62 (0.50) [0.22]	0.36 (0.54) [0.50]	- - -
Household size ^a	- - -	0.80 (0.57) [0.17]	0.47 (1.22) [0.70]	- - -
Children present in household [no children present in household, reference] ^a	- - -	-0.09 (2.50) [0.97]	1.54 (4.14) [0.71]	- - -

Table K-54. Probability that SNAP participant purchased canned oranges in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-	2.57 (3.05) [0.40]	-7.83** (3.29) [0.02]	-
Percentage of local area receiving SNAP ^a	-	0.15*** (0.05) [0.01]	0.08 (0.08) [0.29]	-
Living in urban area [living in rural area, reference] ^a	-	-2.97 (3.18) [0.35]	1.93 (3.38) [0.57]	-
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-	-1.05 (4.99) [0.83]	-	-
Mountain Plains	-	-3.43 (5.38) [0.53]	-	-
Northeast	-	-1.91 (3.59) [0.60]	-	-
Southeast	-	-3.80 (3.15) [0.23]	-	-
Southwest	-	-3.04 (6.09) [0.62]	-	-
West	-	-3.87 (3.64) [0.29]	-	-
Observations	772	661	850	421

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned oranges in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-55. Probability that SNAP participant purchased canned peaches in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-4.15 (3.32) [0.22]	0.12 (3.98) [0.98]	-2.98 (3.41) [0.38]	- - -
Outcome ^a	26.24*** (2.40) [<0.01]	20.89*** (2.30) [<0.01]	26.01*** (2.34) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-13.44*** (3.70) [<0.01]	2.61 (3.96) [0.51]	-2.93 (4.93) [0.55]	- - -
Don't know if matching amount(s) received	0.42 (3.26) [0.90]	-5.55 (4.06) [0.18]	2.96 (3.15) [0.35]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	0.71 (3.73) [0.85]	-2.38 (5.04) [0.64]	-6.62 (4.71) [0.17]	- - -
Good	2.51 (2.85) [0.38]	0.75 (3.24) [0.82]	-1.78 (3.60) [0.62]	- - -
Gender [male, reference] ^a				
Female	0.38 (3.40) [0.91]	-8.24* (4.54) [0.08]	-5.65* (3.02) [0.07]	- - -
Marital status [never married, reference] ^a				
Married	-5.99 (4.75) [0.21]	3.53 (4.83) [0.47]	5.97 (4.66) [0.20]	- - -
Widowed/divorced/separated	0.04 (3.61) [0.99]	3.38 (3.67) [0.36]	2.99 (3.80) [0.43]	- - -

Table K-55. Probability that SNAP participant purchased canned peaches in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-3.18 (3.79) [0.40]	-16.59*** (4.23) [<0.01]	-7.23* (4.15) [0.09]	- - -
60 or older	0.71 (6.13) [0.91]	-16.17** (6.07) [0.01]	-2.08 (6.90) [0.76]	- - -
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	1.39 (3.46) [0.69]	-2.36 (6.39) [0.71]	-1.35 (3.87) [0.73]	- - -
Hispanic	-0.84 (3.31) [0.80]	-1.59 (5.25) [0.76]	-2.09 (5.97) [0.73]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	-2.21 (3.96) [0.58]	-6.23 (4.09) [0.13]	-2.72 (2.86) [0.35]	- - -
Education level [less than high school, reference]^a				
High school	-1.58 (3.92) [0.69]	-11.56 (6.93) [0.10]	-0.51 (4.64) [0.91]	- - -
Some college/associate's degree	0.19 (4.66) [0.97]	-7.09 (7.17) [0.33]	1.27 (4.69) [0.79]	- - -
College graduate or above	-8.57 (5.26) [0.11]	-19.38** (7.58) [0.01]	-7.92 (6.72) [0.24]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	4.14 (5.22) [0.43]	-4.82 (4.18) [0.25]	-1.28 (4.47) [0.77]	- - -
Distance to closest participating FINI retailer (miles) ^a	-0.20 (0.78) [0.79]	-0.43 (1.16) [0.71]	-1.53 (0.94) [0.11]	- - -
Household size ^a	-1.33 (1.51) [0.38]	1.09 (1.62) [0.50]	1.11 (1.43) [0.44]	- - -
Children present in household [no children present in household, reference] ^a	3.59 (4.88) [0.47]	1.18 (5.86) [0.84]	1.44 (5.55) [0.80]	- - -

Table K-55. Probability that SNAP participant purchased canned peaches in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-3.70 (3.91) [0.35]	-0.99 (5.14) [0.85]	-6.07 (4.06) [0.14]	- - -
Percentage of local area receiving SNAP ^a	<0.01 (0.11) [0.98]	0.29** (0.13) [0.03]	0.19 (0.15) [0.20]	- - -
Living in urban area [living in rural area, reference] ^a	0.37 (6.33) [0.95]	-0.09 (5.96) [0.99]	-0.88 (5.62) [0.88]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	10.83* (6.33) [0.09]	7.00 (6.05) [0.25]	- - -	- - -
Mountain Plains	9.35 (5.71) [0.11]	5.54 (7.14) [0.44]	- - -	- - -
Northeast	5.59 (3.42) [0.11]	6.18 (6.03) [0.31]	- - -	- - -
Southeast	9.17* (5.41) [0.10]	-0.68 (6.91) [0.92]	- - -	- - -
Southwest	1.47 (7.72) [0.85]	0.49 (7.21) [0.95]	- - -	- - -
West	2.72 (3.82) [0.48]	5.99 (5.65) [0.29]	- - -	- - -
Observations	758	661	850	421

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned peaches in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-56. Probability that SNAP participant purchased canned pineapples in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.36 (3.11) [0.91]	5.58 (3.79) [0.15]	-4.56 (2.98) [0.13]	-8.66* (4.75) [0.07]
Outcome ^a	29.05*** (2.48) [<0.01]	22.24*** (3.69) [<0.01]	28.98*** (2.73) [<0.01]	29.26*** (4.26) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-5.38 (5.21) [0.31]	-1.28 (3.92) [0.75]	-0.37 (4.35) [0.93]	-5.56 (7.81) [0.48]
Don't know if matching amount(s) received	0.58 (4.04) [0.89]	-11.14** (5.42) [0.05]	1.58 (3.76) [0.68]	2.62 (5.90) [0.66]
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.17 (5.29) [0.83]	-0.39 (4.51) [0.93]	1.92 (4.75) [0.69]	7.32 (7.60) [0.34]
Good	-1.00 (3.31) [0.76]	3.51 (3.48) [0.32]	6.87* (4.04) [0.09]	7.70 (5.12) [0.14]
Gender [male, reference] ^a				
Female	-7.09 (4.35) [0.11]	-1.65 (3.39) [0.63]	1.07 (4.05) [0.79]	-2.40 (6.17) [0.70]
Marital status [never married, reference] ^a				
Married	-7.39 (4.69) [0.12]	-6.47 (5.69) [0.26]	1.47 (6.30) [0.82]	0.03 (9.28) [1.00]
Widowed/divorced/separated	1.00 (3.45) [0.77]	-4.69 (4.13) [0.26]	6.58 (4.22) [0.12]	4.44 (6.52) [0.50]

Table K-56. Probability that SNAP participant purchased canned pineapples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-3.18 (4.33) [0.46]	0.70 (4.13) [0.87]	-2.84 (3.91) [0.47]	5.56 (6.38) [0.39]
60 or older	1.24 (7.42) [0.87]	3.74 (8.12) [0.65]	-5.21 (6.33) [0.41]	0.80 (12.12) [0.95]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-1.39 (4.55) [0.76]	1.99 (7.80) [0.80]	2.59 (3.47) [0.46]	2.41 (6.11) [0.69]
Hispanic	-0.78 (3.67) [0.83]	-5.52 (5.45) [0.32]	4.93 (8.05) [0.54]	1.37 (9.83) [0.89]
Born outside the U.S. [not born outside the U.S., reference] ^a	-5.02 (4.52) [0.27]	-5.65 (5.19) [0.28]	7.08* (3.79) [0.07]	14.57** (6.82) [0.04]
Education level [less than high school, reference]^a				
High school	-2.49 (4.98) [0.62]	-1.98 (6.73) [0.77]	10.84** (4.17) [0.01]	1.72 (5.91) [0.77]
Some college/associate's degree	-1.54 (5.63) [0.79]	-5.65 (6.86) [0.41]	7.31* (4.20) [0.09]	4.30 (5.90) [0.47]
College graduate or above	-8.57 (6.66) [0.20]	-10.93 (7.59) [0.16]	-1.19 (6.88) [0.86]	-1.84 (12.84) [0.89]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	1.95 (4.75) [0.68]	0.50 (5.89) [0.93]	1.82 (5.54) [0.74]	2.24 (11.97) [0.85]
Distance to closest participating FINI retailer (miles) ^a	-0.64 (0.81) [0.43]	-0.10 (0.96) [0.92]	-0.93 (0.88) [0.30]	-1.79 (1.33) [0.18]
Household size ^a	-0.75 (1.35) [0.58]	2.10 (1.85) [0.26]	-1.29 (1.76) [0.46]	1.60 (2.41) [0.51]
Children present in household [no children present in household, reference] ^a	10.07** (4.60) [0.03]	-7.56 (5.00) [0.14]	6.01 (4.57) [0.19]	1.41 (7.65) [0.85]

Table K-56. Probability that SNAP participant purchased canned pineapples in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-8.44 (5.59) [0.14]	-9.19* (4.97) [0.07]	-2.71 (4.54) [0.55]	-2.30 (8.58) [0.79]
Percentage of local area receiving SNAP ^a	0.02 (0.10) [0.84]	0.32** (0.14) [0.03]	0.15 (0.12) [0.23]	0.21 (0.19) [0.27]
Living in urban area [living in rural area, reference] ^a	-4.15 (7.75) [0.59]	-3.75 (6.71) [0.58]	-0.03 (6.16) [1.00]	-6.37 (7.90) [0.42]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	9.95 (6.54) [0.13]	2.82 (7.27) [0.70]	- - -	- - -
Mountain Plains	-2.20 (6.17) [0.72]	6.49 (7.76) [0.41]	- - -	- - -
Northeast	0.13 (4.93) [0.98]	8.08 (6.20) [0.20]	- - -	- - -
Southeast	-1.22 (5.50) [0.83]	-5.41 (10.24) [0.60]	- - -	- - -
Southwest	-5.61 (5.73) [0.33]	2.27 (6.90) [0.74]	- - -	- - -
West	7.63 (5.08) [0.14]	3.28 (5.35) [0.54]	- - -	- - -
Observations	758	661	850	417

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned pineapples in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-57. Probability that SNAP participant purchased canned pears in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-1.56 (2.81) [0.58]	-1.24 (4.27) [0.77]	2.65 (2.95) [0.37]	- - -
Outcome ^a	26.12*** (1.98) [<0.01]	22.37*** (2.38) [<0.01]	28.94*** (2.41) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-5.45 (4.48) [0.23]	2.11 (3.14) [0.50]	4.24 (4.97) [0.40]	- - -
Don't know if matching amount(s) received	-1.51 (2.72) [0.58]	-0.28 (4.70) [0.95]	3.84 (3.08) [0.22]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	2.27 (3.46) [0.51]	-6.20 (4.36) [0.16]	-2.15 (4.11) [0.60]	- - -
Good	-0.64 (3.44) [0.85]	-0.21 (3.78) [0.96]	0.55 (3.68) [0.88]	- - -
Gender [male, reference] ^a				
Female	4.40 (2.67) [0.10]	-3.33 (4.31) [0.44]	-3.00 (3.38) [0.38]	- - -
Marital status [never married, reference] ^a				
Married	-2.11 (4.30) [0.62]	-2.27 (3.89) [0.56]	5.10 (5.95) [0.40]	- - -
Widowed/divorced/separated	3.11 (3.61) [0.39]	-5.46 (3.67) [0.14]	5.01 (4.17) [0.23]	- - -

Table K-57. Probability that SNAP participant purchased canned pears in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-2.27 (4.13) [0.59]	-10.51** (4.30) [0.02]	-5.57 (3.44) [0.11]	- - -
60 or older	-4.65 (5.20) [0.37]	-14.13** (6.10) [0.02]	-10.14* (5.08) [0.05]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	3.28 (4.18) [0.44]	-2.21 (6.35) [0.73]	-1.27 (2.88) [0.66]	- - -
Hispanic	-0.98 (3.40) [0.77]	4.56 (4.77) [0.34]	2.39 (7.29) [0.74]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	2.52 (3.22) [0.44]	-0.64 (4.33) [0.88]	6.12 (4.00) [0.13]	- - -
Education level [less than high school, reference] ^a				
High school	-2.33 (4.00) [0.56]	-14.17*** (5.27) [0.01]	3.56 (3.24) [0.28]	- - -
Some college/associate's degree	-1.58 (3.85) [0.68]	-9.65 (6.04) [0.12]	2.63 (3.94) [0.51]	- - -
College graduate or above	-11.44** (5.26) [0.03]	-13.43** (6.56) [0.05]	-9.94* (5.40) [0.07]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	2.45 (4.10) [0.55]	-1.42 (4.74) [0.77]	5.32 (5.76) [0.36]	- - -
Distance to closest participating FINI retailer (miles) ^a	0.41 (0.62) [0.51]	-0.68 (1.03) [0.51]	-0.78 (0.87) [0.37]	- - -
Household size ^a	-1.89 (1.33) [0.16]	1.27 (1.40) [0.37]	-1.44 (1.34) [0.29]	- - -
Children present in household [no children present in household, reference] ^a	1.54 (4.95) [0.76]	-1.38 (5.78) [0.81]	1.60 (4.45) [0.72]	- - -

Table K-57. Probability that SNAP participant purchased canned pears in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-3.59 (4.65) [0.44]	3.38 (5.57) [0.55]	2.18 (3.74) [0.56]	- - -
Percentage of local area receiving SNAP ^a	0.04 (0.11) [0.73]	0.25** (0.11) [0.02]	0.07 (0.12) [0.52]	- - -
Living in urban area [living in rural area, reference] ^a	-8.74 (5.94) [0.15]	-0.54 (6.00) [0.93]	3.72 (5.13) [0.47]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	3.20 (5.74) [0.58]	8.55 (6.41) [0.19]	- - -	- - -
Mountain Plains	9.11* (4.88) [0.07]	-2.24 (7.24) [0.76]	- - -	- - -
Northeast	3.57 (3.05) [0.25]	4.77 (5.02) [0.35]	- - -	- - -
Southeast	5.47 (4.35) [0.21]	0.20 (9.12) [0.98]	- - -	- - -
Southwest	13.22* (7.28) [0.07]	3.46 (7.30) [0.64]	- - -	- - -
West	2.91 (3.50) [0.41]	2.47 (5.24) [0.64]	- - -	- - -
Observations	758	661	850	421

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned pears in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a "-". Cells in estimable models with a "-" represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-58. Probability that SNAP participant purchased canned potatoes in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	- - -	0.49 (2.06) [0.81]	- - -	- - -
Outcome ^a	- - -	13.44*** (2.68) [<0.01]	- - -	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	- - -	2.40 (2.46) [0.33]	- - -	- - -
Don't know if matching amount(s) received	- - -	2.59 (3.14) [0.41]	- - -	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	- - -	0.37 (2.37) [0.88]	- - -	- - -
Good	- - -	2.17 (1.69) [0.21]	- - -	- - -
Gender [male, reference] ^a				
Female	- - -	2.81** (1.35) [0.04]	- - -	- - -
Marital status [never married, reference] ^a				
Married	- - -	-0.86 (2.56) [0.74]	- - -	- - -
Widowed/divorced/separated	- - -	-2.82 (1.79) [0.12]	- - -	- - -

Table K-58. Probability that SNAP participant purchased canned potatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	- - -	-3.04 (2.24) [0.18]	- - -	- - -
60 or older	- - -	3.94 (6.74) [0.56]	- - -	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	- - -	-2.18 (3.18) [0.50]	- - -	- - -
Hispanic	- - -	-2.12 (1.59) [0.19]	- - -	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	- - -	-2.87 (2.24) [0.21]	- - -	- - -
Education level [less than high school, reference] ^a				
High school	- - -	2.25 (3.14) [0.48]	- - -	- - -
Some college/associate's degree	- - -	0.39 (2.64) [0.88]	- - -	- - -
College graduate or above	- - -	0.41 (3.02) [0.89]	- - -	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	- - -	-0.06 (2.81) [0.98]	- - -	- - -
Distance to closest participating FINI retailer (miles) ^a	- - -	-0.14 (0.46) [0.77]	- - -	- - -
Household size ^a	- - -	1.65 (1.08) [0.13]	- - -	- - -
Children present in household [no children present in household, reference] ^a	- - -	-3.87 (3.22) [0.24]	- - -	- - -

Table K-58. Probability that SNAP participant purchased canned potatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-	-2.12 (4.09) [0.61]	-	-
Percentage of local area receiving SNAP ^a	-	0.24*** (0.06) [<0.01]	-	-
Living in urban area [living in rural area, reference] ^a	-	3.90** (1.73) [0.03]	-	-
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-	-2.95 (5.06) [0.56]	-	-
Mountain Plains	-	-4.87 (5.53) [0.38]	-	-
Northeast	-	-5.51 (3.80) [0.15]	-	-
Southeast	-	24.82* (12.74) [0.06]	-	-
Southwest	-	-3.73 (5.32) [0.49]	-	-
West	-	-6.78* (3.84) [0.08]	-	-
Observations	774	661	858	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned potatoes in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-59. Probability that SNAP participant purchased canned tomatoes in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-4.77 (3.11) [0.13]	2.30 (4.09) [0.58]	-0.95 (2.91) [0.75]	- - -
Outcome ^a	13.45*** (2.04) [<0.01]	19.88*** (3.52) [<0.01]	19.79*** (3.20) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	0.80 (5.45) [0.88]	-6.48 (4.26) [0.13]	-3.44 (5.07) [0.50]	- - -
Don't know if matching amount(s) received	2.46 (3.05) [0.42]	-8.26* (4.70) [0.08]	-1.59 (2.66) [0.55]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	-0.68 (3.60) [0.85]	-0.28 (3.68) [0.94]	-6.09* (3.10) [0.05]	- - -
Good	-3.07 (2.63) [0.25]	3.49 (2.38) [0.15]	-2.78 (3.16) [0.38]	- - -
Gender [male, reference] ^a				
Female	5.80* (3.35) [0.09]	-1.83 (4.25) [0.67]	-3.04 (2.42) [0.21]	- - -
Marital status [never married, reference] ^a				
Married	0.89 (3.75) [0.81]	-1.89 (4.31) [0.66]	-1.87 (4.70) [0.69]	- - -
Widowed/divorced/separated	1.20 (3.28) [0.72]	-5.45 (4.36) [0.22]	-1.60 (3.20) [0.62]	- - -

Table K-59. Probability that SNAP participant purchased canned tomatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-4.79 (2.97) [0.11]	-0.10 (4.14) [0.98]	0.28 (3.17) [0.93]	- - -
60 or older	4.07 (7.50) [0.59]	10.88 (9.07) [0.24]	4.63 (6.33) [0.47]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-0.40 (4.67) [0.93]	15.48* (7.72) [0.05]	-1.20 (3.13) [0.70]	- - -
Hispanic	-5.69** (2.73) [0.04]	-4.07 (4.20) [0.34]	-10.90*** (3.58) [<0.01]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	0.35 (2.62) [0.89]	-1.49 (4.80) [0.76]	-1.90 (3.76) [0.62]	- - -
Education level [less than high school, reference] ^a				
High school	-1.89 (3.51) [0.59]	-7.45 (5.25) [0.16]	4.95* (2.88) [0.09]	- - -
Some college/associate's degree	0.18 (3.89) [0.96]	-5.36 (5.50) [0.33]	8.08*** (2.66) [<0.01]	- - -
College graduate or above	-5.26 (3.54) [0.14]	-4.60 (6.70) [0.50]	7.90 (6.73) [0.24]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-1.33 (3.01) [0.66]	4.53 (4.31) [0.30]	1.12 (3.94) [0.78]	- - -
Distance to closest participating FINI retailer (miles) ^a	-0.21 (0.51) [0.68]	-0.87 (0.89) [0.33]	0.03 (0.62) [0.96]	- - -
Household size ^a	-0.03 (1.31) [0.98]	0.20 (1.17) [0.87]	-1.00 (1.05) [0.35]	- - -
Children present in household [no children present in household, reference] ^a	-2.47 (4.92) [0.62]	5.21 (4.49) [0.25]	10.92*** (3.75) [0.01]	- - -

Table K-59. Probability that SNAP participant purchased canned tomatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-4.42 (4.76) [0.36]	-9.09* (5.23) [0.09]	-3.92 (4.42) [0.38]	- - -
Percentage of local area receiving SNAP ^a	0.10 (0.09) [0.28]	0.08 (0.14) [0.57]	-0.18 (0.11) [0.12]	- - -
Living in urban area [living in rural area, reference] ^a	-3.81 (6.65) [0.57]	3.61 (5.92) [0.54]	4.89 (3.55) [0.17]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	6.65 (5.96) [0.27]	0.96 (7.15) [0.89]	- - -	- - -
Mountain Plains	7.19 (6.60) [0.28]	2.19 (7.37) [0.77]	- - -	- - -
Northeast	-4.00 (3.05) [0.20]	-3.47 (5.84) [0.55]	- - -	- - -
Southeast	1.02 (5.39) [0.85]	3.56 (11.11) [0.75]	- - -	- - -
Southwest	15.66 (25.58) [0.54]	-5.08 (6.74) [0.45]	- - -	- - -
West	2.68 (3.36) [0.43]	-0.39 (5.66) [0.95]	- - -	- - -
Observations	759	661	847	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned tomatoes in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-60. Probability that SNAP participant purchased canned carrots in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	2.84 (2.50) [0.26]	-3.15 (2.88) [0.28]	-1.80 (2.94) [0.54]	- - -
Outcome ^a	18.35*** (2.63) [<0.01]	17.19*** (2.51) [<0.01]	20.12*** (2.84) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.92 (3.29) [0.56]	5.37* (3.16) [0.10]	-4.80 (4.50) [0.29]	- - -
Don't know if matching amount(s) received	2.13 (2.51) [0.40]	0.78 (3.88) [0.84]	3.38 (2.71) [0.22]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	-3.53 (3.22) [0.28]	-6.64** (2.88) [0.03]	-8.42** (3.32) [0.01]	- - -
Good	-3.90 (2.48) [0.12]	-3.03 (2.90) [0.30]	-4.30 (3.61) [0.24]	- - -
Gender [male, reference] ^a				
Female	3.80 (2.44) [0.13]	-3.99 (3.33) [0.24]	-3.18 (2.95) [0.29]	- - -
Marital status [never married, reference] ^a				
Married	-3.10 (3.89) [0.43]	-1.51 (4.72) [0.75]	-2.36 (3.88) [0.54]	- - -
Widowed/divorced/separated	-1.92 (3.44) [0.58]	-7.26** (3.18) [0.03]	2.94 (3.28) [0.37]	- - -

Table K-60. Probability that SNAP participant purchased canned carrots in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	2.19 (2.15) [0.31]	-1.25 (2.43) [0.61]	-4.39 (3.28) [0.19]	- - -
60 or older	1.50 (4.91) [0.76]	10.67 (7.71) [0.17]	-5.19 (6.29) [0.41]	- - -
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-2.86 (3.76) [0.45]	0.15 (11.12) [0.99]	4.93 (3.34) [0.14]	- - -
Hispanic	-4.85 (3.14) [0.13]	-5.28 (3.57) [0.15]	3.05 (5.66) [0.59]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	-1.14 (3.29) [0.73]	-2.04 (2.97) [0.49]	1.24 (3.93) [0.75]	- - -
Education level [less than high school, reference]^a				
High school	2.64 (3.82) [0.49]	-2.32 (4.58) [0.61]	-4.34 (5.05) [0.39]	- - -
Some college/associate's degree	-1.08 (4.00) [0.79]	-8.85* (4.97) [0.08]	-3.32 (4.82) [0.49]	- - -
College graduate or above	-5.71 (3.87) [0.15]	-11.51** (5.50) [0.04]	-13.36* (6.69) [0.05]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	2.45 (4.40) [0.58]	3.96 (3.80) [0.30]	-4.23 (4.15) [0.31]	- - -
Distance to closest participating FINI retailer (miles) ^a	-0.15 (0.48) [0.75]	0.14 (0.55) [0.81]	0.04 (0.69) [0.95]	- - -
Household size ^a	-0.23 (1.34) [0.86]	-0.41 (1.37) [0.76]	-0.10 (1.28) [0.94]	- - -
Children present in household [no children present in household, reference] ^a	0.11 (3.44) [0.97]	-1.65 (3.38) [0.63]	2.94 (4.39) [0.51]	- - -

Table K-60. Probability that SNAP participant purchased canned carrots in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-4.30 (3.55) [0.23]	-7.42* (4.31) [0.09]	-5.86 (3.94) [0.14]	- - -
Percentage of local area receiving SNAP ^a	0.06 (0.08) [0.42]	0.11 (0.10) [0.26]	-0.12 (0.12) [0.33]	- - -
Living in urban area [living in rural area, reference] ^a	-2.04 (4.95) [0.68]	-4.27 (5.16) [0.41]	-3.98 (6.15) [0.52]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	1.65 (4.76) [0.73]	4.54 (6.01) [0.45]	- - -	- - -
Mountain Plains	1.33 (4.03) [0.74]	5.54 (7.19) [0.44]	- - -	- - -
Northeast	1.31 (2.70) [0.63]	-1.63 (3.99) [0.69]	- - -	- - -
Southeast	12.40** (5.42) [0.03]	-7.42 (4.64) [0.12]	- - -	- - -
Southwest	5.50 (12.05) [0.65]	7.65 (6.70) [0.26]	- - -	- - -
West	-2.54 (2.51) [0.31]	-3.01 (4.21) [0.48]	- - -	- - -
Observations	759	661	847	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned carrots in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-61. Probability that SNAP participant purchased canned green beans in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	2.82 (3.13) [0.37]	-8.89** (4.42) [0.05]	-9.98** (3.85) [0.01]	-11.99** (4.89) [0.02]
Outcome ^a	39.02*** (1.83) [<0.01]	36.34*** (2.08) [<0.01]	38.10*** (2.39) [<0.01]	39.73*** (2.58) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-6.24 (5.14) [0.23]	0.99 (4.93) [0.84]	-4.76 (5.48) [0.39]	4.90 (8.51) [0.57]
Don't know if matching amount(s) received	0.75 (3.49) [0.83]	-4.52 (5.11) [0.38]	0.75 (3.18) [0.81]	8.72* (4.75) [0.07]
Health status [fair/poor, reference] ^a				
Very good/excellent	-2.51 (4.27) [0.56]	-5.09 (4.33) [0.25]	-5.58 (4.35) [0.20]	-5.18 (5.99) [0.39]
Good	0.97 (3.70) [0.79]	-4.68 (3.31) [0.16]	-6.36* (3.69) [0.09]	-6.73 (5.27) [0.21]
Gender [male, reference] ^a				
Female	10.32*** (3.48) [<0.01]	0.37 (3.68) [0.92]	-5.76* (3.15) [0.07]	-3.87 (4.41) [0.38]
Marital status [never married, reference] ^a				
Married	-2.64 (5.37) [0.62]	-0.20 (5.12) [0.97]	3.36 (5.50) [0.54]	3.81 (6.94) [0.59]
Widowed/divorced/separated	0.96 (4.22) [0.82]	-5.88 (4.12) [0.16]	2.12 (3.69) [0.57]	4.99 (4.85) [0.31]

Table K-61. Probability that SNAP participant purchased canned green beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-3.31 (4.23) [0.44]	-11.01** (5.23) [0.04]	-3.33 (3.53) [0.35]	-4.38 (6.16) [0.48]
60 or older	-6.39 (6.36) [0.32]	-11.80 (8.09) [0.15]	3.00 (6.33) [0.64]	1.27 (9.39) [0.89]
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	-0.33 (4.70) [0.95]	10.99** (5.17) [0.04]	2.24 (3.62) [0.54]	-3.60 (6.20) [0.56]
Hispanic	2.25 (4.88) [0.65]	0.10 (5.24) [0.98]	-15.10* (7.82) [0.06]	-21.84** (9.58) [0.03]
Born outside the U.S. [not born outside the U.S., reference] ^a	-0.29 (4.91) [0.95]	-4.52 (5.59) [0.42]	-7.12* (4.24) [0.10]	2.77 (5.93) [0.64]
Education level [less than high school, reference] ^a				
High school	3.55 (4.52) [0.44]	10.21** (5.04) [0.05]	-2.61 (4.72) [0.58]	-7.29 (6.13) [0.24]
Some college/associate's degree	10.86** (4.71) [0.02]	8.16 (5.69) [0.16]	-0.64 (4.84) [0.89]	-5.96 (5.80) [0.31]
College graduate or above	18.66*** (6.60) [0.01]	1.91 (6.42) [0.77]	-13.44* (7.40) [0.07]	-40.10*** (7.44) [<0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-5.77 (4.24) [0.18]	6.89 (6.17) [0.27]	-3.95 (4.92) [0.42]	8.21 (9.46) [0.39]
Distance to closest participating FINI retailer (miles) ^a	0.40 (0.63) [0.53]	0.71 (0.92) [0.44]	-0.80 (0.83) [0.34]	0.93 (1.40) [0.51]
Household size ^a	-0.98 (1.49) [0.51]	-1.49 (1.79) [0.41]	-1.50 (1.50) [0.32]	0.40 (2.71) [0.88]
Children present in household [no children present in household, reference] ^a	8.39* (4.89) [0.09]	2.89 (5.04) [0.57]	5.34 (5.07) [0.30]	2.76 (8.60) [0.75]

Table K-61. Probability that SNAP participant purchased canned green beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	4.39 (4.67) [0.35]	6.31 (6.74) [0.35]	-10.43** (5.03) [0.04]	-4.61 (7.81) [0.56]
Percentage of local area receiving SNAP ^a	0.12 (0.12) [0.32]	0.14 (0.15) [0.35]	0.10 (0.13) [0.41]	0.26 (0.19) [0.17]
Living in urban area [living in rural area, reference] ^a	-17.57** (7.30) [0.02]	-2.97 (5.69) [0.60]	4.85 (5.92) [0.42]	3.84 (7.71) [0.62]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	4.56 (6.05) [0.45]	4.35 (7.82) [0.58]	- - -	- - -
Mountain Plains	12.36 (7.42) [0.10]	5.62 (7.41) [0.45]	- - -	- - -
Northeast	-1.20 (4.52) [0.79]	-2.64 (6.23) [0.67]	- - -	- - -
Southeast	4.73 (5.79) [0.42]	-3.66 (9.97) [0.71]	- - -	- - -
Southwest	4.94 (11.33) [0.66]	15.27* (7.66) [0.05]	- - -	- - -
West	0.91 (3.62) [0.80]	-1.34 (5.32) [0.80]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned green beans in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-62. Probability that SNAP participant purchased canned legumes/shelled beans in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-4.99* (2.51) [0.05]	1.18 (3.13) [0.71]	-8.68*** (2.13) [<0.01]	-14.88*** (2.78) [<0.01]
Outcome^a	15.14*** (2.40) [<0.01]	21.09*** (2.82) [<0.01]	16.73*** (2.05) [<0.01]	15.93*** (2.88) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-8.69** (3.34) [0.01]	-8.04** (3.31) [0.02]	-3.75 (4.16) [0.37]	1.80 (8.68) [0.84]
Don't know if matching amount(s) received	-4.67* (2.71) [0.09]	-5.91 (7.03) [0.40]	-0.82 (2.00) [0.68]	0.26 (3.28) [0.94]
Health status [fair/poor, reference] ^a				
Very good/excellent	-2.28 (3.14) [0.47]	3.97 (4.75) [0.41]	-0.81 (3.02) [0.79]	-0.09 (4.21) [0.98]
Good	0.87 (2.77) [0.75]	1.98 (3.50) [0.57]	0.33 (2.03) [0.87]	2.74 (3.60) [0.45]
Gender [male, reference] ^a				
Female	1.60 (2.67) [0.55]	2.61 (3.24) [0.42]	1.13 (2.44) [0.64]	1.46 (3.28) [0.66]
Marital status [never married, reference] ^a				
Married	-4.06 (4.32) [0.35]	0.99 (6.50) [0.88]	6.19 (4.69) [0.19]	11.60 (8.08) [0.16]
Widowed/divorced/separated	-5.54** (2.74) [0.05]	-6.88* (3.75) [0.07]	2.92 (2.46) [0.24]	2.39 (2.99) [0.43]

Table K-62. Probability that SNAP participant purchased canned legumes/shelled beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	0.17 (3.13) [0.96]	-4.07 (4.13) [0.33]	1.53 (2.94) [0.60]	1.97 (5.34) [0.71]
60 or older	0.67 (5.81) [0.91]	-0.67 (6.57) [0.92]	-0.95 (4.46) [0.83]	2.01 (9.43) [0.83]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-0.72 (3.36) [0.83]	6.23 (9.00) [0.49]	1.11 (2.70) [0.68]	2.75 (3.63) [0.45]
Hispanic	-0.15 (3.38) [0.96]	-1.33 (5.29) [0.80]	-5.30 (4.45) [0.24]	0.14 (10.14) [0.99]
Born outside the U.S. [not born outside the U.S., reference] ^a	-5.69* (3.08) [0.07]	-3.83 (4.35) [0.38]	-5.30** (2.08) [0.01]	-3.03 (4.45) [0.50]
Education level [less than high school, reference]^a				
High school	2.88 (4.06) [0.48]	3.50 (6.22) [0.58]	-0.18 (3.45) [0.96]	0.63 (3.77) [0.87]
Some college/associate's degree	6.04 (3.96) [0.13]	-0.64 (4.90) [0.90]	4.39 (3.64) [0.23]	6.62 (5.22) [0.21]
College graduate or above	8.41 (5.44) [0.13]	0.83 (7.63) [0.91]	2.91 (5.30) [0.58]	6.62 (8.56) [0.44]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-4.66 (3.10) [0.14]	3.64 (6.17) [0.56]	-2.42 (2.87) [0.40]	-1.38 (4.40) [0.75]
Distance to closest participating FINI retailer (miles) ^a	0.14 (0.55) [0.80]	1.07 (0.71) [0.14]	0.58 (0.51) [0.26]	-0.29 (0.83) [0.73]
Household size ^a	-1.93 (1.34) [0.16]	-3.86** (1.49) [0.01]	1.16 (0.81) [0.16]	2.19* (1.23) [0.08]
Children present in household [no children present in household, reference] ^a	10.03** (4.30) [0.02]	4.90 (4.58) [0.29]	-0.72 (3.23) [0.82]	-5.82 (4.59) [0.21]

Table K-62. Probability that SNAP participant purchased canned legumes/shelled beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	1.60 (4.86) [0.74]	-0.66 (3.77) [0.86]	-0.94 (3.33) [0.78]	-2.65 (6.25) [0.67]
Percentage of local area receiving SNAP ^a	-0.07 (0.10) [0.46]	0.01 (0.12) [0.91]	0.03 (0.07) [0.66]	-0.05 (0.12) [0.70]
Living in urban area [living in rural area, reference] ^a	0.92 (5.97) [0.88]	6.08 (4.89) [0.22]	6.10* (3.12) [0.06]	8.12** (3.81) [0.04]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	11.08 (7.82) [0.16]	-3.55 (6.04) [0.56]	- - -	- - -
Mountain Plains	3.53 (5.91) [0.55]	-0.62 (7.52) [0.94]	- - -	- - -
Northeast	5.12 (3.32) [0.13]	0.36 (4.83) [0.94]	- - -	- - -
Southeast	1.06 (4.82) [0.83]	0.37 (8.05) [0.96]	- - -	- - -
Southwest	3.26 (6.22) [0.60]	-0.17 (7.20) [0.98]	- - -	- - -
West	-0.92 (2.86) [0.75]	-3.40 (4.12) [0.41]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing canned legumes/shelled beans in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-63. Probability that SNAP participant purchased dried potatoes in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-0.40 (2.03) [0.85]	- - -	1.25 (1.81) [0.49]	- - -
Outcome ^a	13.70*** (2.73) [<0.01]	- - -	12.66*** (2.07) [<0.01]	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-0.82 (3.35) [0.81]	- - -	-0.70 (1.90) [0.72]	- - -
Don't know if matching amount(s) received	0.68 (2.20) [0.76]	- - -	0.85 (2.19) [0.70]	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	-2.96 (2.38) [0.22]	- - -	3.24 (3.26) [0.33]	- - -
Good	-0.01 (2.28) [1.00]	- - -	-4.21** (1.60) [0.01]	- - -
Gender [male, reference] ^a				
Female	-0.06 (2.10) [0.98]	- - -	0.75 (1.74) [0.67]	- - -
Marital status [never married, reference] ^a				
Married	-2.39 (2.87) [0.41]	- - -	-5.99*** (2.21) [0.01]	- - -
Widowed/divorced/separated	-2.68 (2.33) [0.25]	- - -	-1.28 (2.72) [0.64]	- - -

Table K-63. Probability that SNAP participant purchased dried potatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference] ^a				
40-60 years old	-5.94* (2.99) [0.05]	- - -	0.20 (2.02) [0.92]	- - -
60 or older	-4.15 (4.55) [0.37]	- - -	-1.74 (3.04) [0.57]	- - -
Race/ethnicity [non-black & non-Hispanic, reference] ^a				
Black	5.24 (3.59) [0.15]	- - -	-1.86 (2.22) [0.40]	- - -
Hispanic	-2.30 (2.34) [0.33]	- - -	-4.59*** (1.57) [<0.01]	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	-1.11 (2.52) [0.66]	- - -	-0.76 (2.20) [0.73]	- - -
Education level [less than high school, reference] ^a				
High school	-3.63 (3.73) [0.33]	- - -	-2.10 (3.15) [0.51]	- - -
Some college/associate's degree	-2.55 (3.78) [0.50]	- - -	-1.92 (3.09) [0.54]	- - -
College graduate or above	-7.94** (3.91) [0.05]	- - -	-2.48 (3.54) [0.49]	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-3.29 (3.16) [0.30]	- - -	2.80 (3.13) [0.37]	- - -
Distance to closest participating FINI retailer (miles) ^a	-0.52 (0.50) [0.31]	- - -	0.73** (0.35) [0.04]	- - -
Household size ^a	-2.24* (1.24) [0.08]	- - -	-0.97 (0.80) [0.23]	- - -
Children present in household [no children present in household, reference] ^a	0.91 (3.84) [0.81]	- - -	0.67 (2.41) [0.78]	- - -

Table K-63. Probability that SNAP participant purchased dried potatoes in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	<0.01 (3.18) [1.00]	- - -	1.06 (2.42) [0.66]	- - -
Percentage of local area receiving SNAP ^a	-0.01 (0.07) [0.93]	- - -	0.02 (0.06) [0.79]	- - -
Living in urban area [living in rural area, reference] ^a	-10.46* (5.29) [0.05]	- - -	-5.35 (3.66) [0.15]	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-2.40 (3.93) [0.54]	- - -	- - -	- - -
Mountain Plains	5.16 (4.25) [0.23]	- - -	- - -	- - -
Northeast	2.69 (3.11) [0.39]	- - -	- - -	- - -
Southeast	2.23 (2.91) [0.45]	- - -	- - -	- - -
Southwest	3.54 (6.44) [0.58]	- - -	- - -	- - -
West	5.25* (2.91) [0.08]	- - -	- - -	- - -
Observations	759	668	847	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing dried potatoes in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a “-”. Cells in estimable models with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-64. Probability that SNAP participant purchased dried onions in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	0.22 (1.12) [0.85]	- - -	- - -	- - -
Outcome ^a	7.71*** (1.82) [<0.01]	- - -	- - -	- - -
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	1.02 (1.63) [0.53]	- - -	- - -	- - -
Don't know if matching amount(s) received	0.15 (1.13) [0.89]	- - -	- - -	- - -
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.81 (1.68) [0.28]	- - -	- - -	- - -
Good	-2.10* (1.12) [0.07]	- - -	- - -	- - -
Gender [male, reference] ^a				
Female	1.72 (1.15) [0.14]	- - -	- - -	- - -
Marital status [never married, reference] ^a				
Married	-0.33 (2.45) [0.89]	- - -	- - -	- - -
Widowed/divorced/separated	-1.49* (0.88) [0.10]	- - -	- - -	- - -

Table K-64. Probability that SNAP participant purchased dried onions in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-1.36 (1.77) [0.45]	- - -	- - -	- - -
60 or older	-1.91 (2.46) [0.44]	- - -	- - -	- - -
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	0.82 (1.46) [0.58]	- - -	- - -	- - -
Hispanic	-2.54** (0.97) [0.01]	- - -	- - -	- - -
Born outside the U.S. [not born outside the U.S., reference] ^a	0.09 (1.37) [0.95]	- - -	- - -	- - -
Education level [less than high school, reference]^a				
High school	-0.65 (1.55) [0.67]	- - -	- - -	- - -
Some college/associate's degree	-1.44 (1.68) [0.39]	- - -	- - -	- - -
College graduate or above	4.48 (4.08) [0.28]	- - -	- - -	- - -
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-1.37 (0.88) [0.13]	- - -	- - -	- - -
Distance to closest participating FINI retailer (miles) ^a	-0.38 (0.30) [0.21]	- - -	- - -	- - -
Household size ^a	-0.57 (0.40) [0.16]	- - -	- - -	- - -
Children present in household [no children present in household, reference] ^a	0.22 (1.49) [0.88]	- - -	- - -	- - -

Table K-64. Probability that SNAP participant purchased dried onions in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	0.57 (2.03) [0.78]	- - -	- - -	- - -
Percentage of local area receiving SNAP ^a	0.14** (0.05) [0.01]	- - -	- - -	- - -
Living in urban area [living in rural area, reference] ^a	-13.67 (9.43) [0.15]	- - -	- - -	- - -
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-2.70* (1.53) [0.08]	- - -	- - -	- - -
Mountain Plains	-1.59 (1.47) [0.28]	- - -	- - -	- - -
Northeast	-1.69 (1.92) [0.38]	- - -	- - -	- - -
Southeast	2.28 (3.17) [0.47]	- - -	- - -	- - -
Southwest	7.27* (3.77) [0.06]	- - -	- - -	- - -
West	-0.62 (1.88) [0.74]	- - -	- - -	- - -
Observations	759	668	858	419

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of purchasing dried onions in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Some models were inestimable because there was either too little variation in the outcome, too little variation in some of the covariates, or too much collinearity between model covariates. These are columns where all coefficient cells contain a "-". Cells in estimable models with a "-" represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-65. Probability that SNAP participant purchased dried legumes/shelled beans in the past month

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-5.93** (2.66) [0.03]	-0.61 (3.26) [0.85]	-1.84 (2.68) [0.50]	2.70 (4.67) [0.56]
Outcome^a	10.48*** (2.72) [<0.01]	20.28*** (2.49) [<0.01]	19.18*** (2.34) [<0.01]	21.81*** (3.43) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-2.31 (4.35) [0.60]	3.78 (2.84) [0.19]	5.62 (4.15) [0.18]	8.93 (6.24) [0.16]
Don't know if matching amount(s) received	-3.47* (1.92) [0.08]	3.97 (4.40) [0.37]	-2.33 (2.52) [0.36]	-1.53 (3.91) [0.70]
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.73 (2.38) [0.47]	-1.21 (3.02) [0.69]	-3.06 (3.31) [0.36]	-6.22 (4.18) [0.14]
Good	-2.22 (2.49) [0.38]	1.30 (3.39) [0.70]	-6.02** (2.59) [0.02]	-6.29 (4.39) [0.16]
Gender [male, reference] ^a				
Female	2.95 (2.75) [0.29]	-0.95 (3.48) [0.79]	0.86 (3.36) [0.80]	1.96 (4.14) [0.64]
Marital status [never married, reference] ^a				
Married	2.88 (3.92) [0.47]	6.43 (4.51) [0.16]	5.35 (3.92) [0.18]	-0.08 (4.96) [0.99]
Widowed/divorced/separated	-1.86 (2.66) [0.49]	7.16*** (2.66) [0.01]	1.19 (2.82) [0.68]	-1.81 (3.64) [0.62]

Table K-65. Probability that SNAP participant purchased dried legumes/shelled beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	3.62 (2.33) [0.13]	-5.24 (3.80) [0.17]	3.03 (2.65) [0.26]	7.39** (3.26) [0.03]
60 or older	4.46 (4.97) [0.37]	-1.27 (7.39) [0.86]	10.93* (5.66) [0.06]	26.04** (12.86) [0.05]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	0.56 (2.92) [0.85]	5.82 (6.31) [0.36]	-1.33 (3.01) [0.66]	-1.66 (5.29) [0.75]
Hispanic	1.76 (2.76) [0.53]	4.63 (3.86) [0.24]	2.04 (5.02) [0.69]	0.87 (7.08) [0.90]
Born outside the U.S. [not born outside the U.S., reference] ^a	5.38* (2.85) [0.06]	-2.95 (3.96) [0.46]	4.54 (3.29) [0.17]	4.66 (4.23) [0.28]
Education level [less than high school, reference]^a				
High school	-2.99 (3.19) [0.35]	10.15*** (3.32) [<0.01]	-1.90 (3.09) [0.54]	-0.26 (4.65) [0.95]
Some college/associate's degree	-2.25 (3.68) [0.54]	15.52*** (3.02) [<0.01]	1.50 (3.51) [0.67]	5.04 (5.77) [0.39]
College graduate or above	-0.40 (5.10) [0.94]	15.10*** (4.52) [<0.01]	-6.87 (6.11) [0.27]	-10.30** (4.07) [0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	5.12 (3.36) [0.13]	-4.74 (3.19) [0.14]	4.16 (5.40) [0.44]	6.45 (8.39) [0.45]
Distance to closest participating FINI retailer (miles) ^a	0.26 (0.53) [0.62]	-0.59 (0.68) [0.39]	0.63 (0.58) [0.29]	0.66 (0.91) [0.47]
Household size ^a	-0.70 (1.36) [0.61]	0.69 (1.74) [0.69]	-1.78 (1.56) [0.26]	-2.60 (2.69) [0.34]
Children present in household [no children present in household, reference] ^a	-0.22 (3.94) [0.96]	-1.58 (5.34) [0.77]	6.67 (4.71) [0.16]	5.65 (7.51) [0.45]

Table K-65. Probability that SNAP participant purchased dried legumes/shelled beans in the past month (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-2.84 (3.24) [0.38]	-3.61 (4.80) [0.46]	-4.99 (3.76) [0.19]	-10.52 (7.50) [0.17]
Percentage of local area receiving SNAP ^a	-0.02 (0.08) [0.78]	0.19* (0.11) [0.08]	0.03 (0.10) [0.80]	-0.02 (0.12) [0.87]
Living in urban area [living in rural area, reference] ^a	-4.53 (5.82) [0.44]	-12.31* (6.72) [0.07]	-1.84 (4.07) [0.65]	-2.27 (6.18) [0.71]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	2.07 (6.16) [0.74]	-0.83 (5.87) [0.89]	- - -	- - -
Mountain Plains	-7.06* (4.03) [0.09]	8.86 (6.17) [0.16]	- - -	- - -
Northeast	-9.05** (3.66) [0.02]	5.39 (4.25) [0.21]	- - -	- - -
Southeast	-0.20 (4.12) [0.96]	-4.48 (4.32) [0.31]	- - -	- - -
Southwest	7.14 (10.39) [0.49]	15.01** (7.01) [0.04]	- - -	- - -
West	-5.98 (4.01) [0.14]	10.02** (4.53) [0.03]	- - -	- - -
Observations	759	661	847	416

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Coefficients represent the percentage difference in probability of purchasing dried legumes/shelled beans in the past month. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-66. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new foods”

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	1.90 (3.24) [0.56]	2.20 (3.32) [0.51]	-1.38 (3.06) [0.65]	-1.31 (4.76) [0.78]
Outcome^a	27.85*** (2.82) [<0.01]	24.98*** (3.03) [<0.01]	27.47*** (2.68) [<0.01]	28.92*** (2.60) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.41 (5.34) [0.79]	5.07* (2.64) [0.06]	-2.74 (4.60) [0.55]	-7.64 (6.13) [0.22]
Don't know if matching amount(s) received	5.23 (3.56) [0.15]	-13.56** (5.44) [0.02]	6.36* (3.22) [0.05]	3.41 (4.51) [0.45]
Health status [fair/poor, reference] ^a				
Very good/excellent	-1.29 (4.87) [0.79]	4.68 (4.41) [0.29]	0.04 (3.54) [0.99]	6.42 (5.98) [0.29]
Good	-1.68 (3.84) [0.66]	-0.13 (2.83) [0.96]	-1.46 (3.31) [0.66]	0.39 (3.91) [0.92]
Gender [male, reference] ^a				
Female	1.07 (3.65) [0.77]	5.04 (3.82) [0.19]	-0.92 (2.99) [0.76]	-6.40 (4.71) [0.18]
Marital status [never married, reference] ^a				
Married	-12.01** (5.19) [0.02]	-3.64 (4.95) [0.46]	2.74 (5.47) [0.62]	5.71 (7.16) [0.43]
Widowed/divorced/separated	-8.69* (4.34) [0.05]	-1.67 (3.14) [0.60]	6.33* (3.74) [0.10]	4.24 (5.77) [0.47]

Table K-66. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new foods” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-0.60 (3.85) [0.88]	-3.38 (4.26) [0.43]	-1.20 (4.26) [0.78]	-3.99 (7.41) [0.59]
60 or older	-1.34 (7.66) [0.86]	0.66 (7.39) [0.93]	-5.06 (6.40) [0.43]	5.96 (9.27) [0.52]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-1.11 (4.66) [0.81]	-14.52 (9.09) [0.12]	8.50** (3.55) [0.02]	13.57** (5.47) [0.02]
Hispanic	-2.36 (3.72) [0.53]	-20.44*** (5.78) [<0.01]	0.37 (7.65) [0.96]	1.31 (11.76) [0.91]
Born outside the U.S. [not born outside the U.S., reference] ^a	0.62 (4.11) [0.88]	-3.62 (3.18) [0.26]	-5.98 (4.43) [0.18]	-5.80 (5.91) [0.33]
Education level [less than high school, reference]^a				
High school	1.33 (4.53) [0.77]	6.82 (7.17) [0.35]	-0.60 (3.52) [0.86]	-1.50 (4.91) [0.76]
Some college/associate's degree	7.01 (4.90) [0.16]	9.12 (6.41) [0.16]	3.62 (4.41) [0.42]	2.28 (5.53) [0.68]
College graduate or above	4.58 (6.36) [0.47]	17.27** (6.56) [0.01]	-0.98 (9.14) [0.92]	-7.13 (14.83) [0.63]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	1.74 (4.38) [0.69]	1.69 (5.96) [0.78]	-0.85 (5.65) [0.88]	-3.11 (8.71) [0.72]
Distance to closest participating FINI retailer (miles) ^a	0.22 (0.85) [0.80]	2.12** (0.99) [0.04]	1.10 (0.89) [0.22]	-1.55 (1.03) [0.14]
Household size ^a	-2.24 (1.47) [0.13]	-0.42 (1.74) [0.81]	-1.05 (1.76) [0.55]	-4.05** (1.99) [0.05]
Children present in household [no children present in household, reference] ^a	6.52 (4.73) [0.17]	4.25 (5.63) [0.45]	12.15** (4.71) [0.01]	20.01*** (5.60) [<0.01]

Table K-66. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new foods” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-4.42 (5.37) [0.41]	-10.08 (6.20) [0.11]	6.36 (4.87) [0.20]	2.10 (8.07) [0.80]
Percentage of local area receiving SNAP ^a	0.03 (0.11) [0.76]	0.10 (0.09) [0.26]	-0.05 (0.12) [0.65]	-0.26* (0.15) [0.09]
Living in urban area [living in rural area, reference] ^a	-1.40 (6.67) [0.83]	-0.77 (5.78) [0.89]	5.51 (7.14) [0.44]	4.46 (7.81) [0.57]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	4.31 (6.46) [0.51]	-21.57*** (6.29) [<0.01]	- - -	- - -
Mountain Plains	-4.98 (8.03) [0.54]	-0.12 (6.00) [0.98]	- - -	- - -
Northeast	-1.40 (4.18) [0.74]	-0.98 (5.16) [0.85]	- - -	- - -
Southeast	-0.17 (6.40) [0.98]	-10.98 (10.77) [0.31]	- - -	- - -
Southwest	-2.96 (9.11) [0.75]	3.50 (6.06) [0.57]	- - -	- - -
West	-1.27 (4.28) [0.77]	-5.13 (4.74) [0.28]	- - -	- - -
Observations	805	686	911	445

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of agreeing to enjoying to try new foods. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-67. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new fruits”

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	5.85* (3.49) [0.10]	-0.81 (3.73) [0.83]	-0.71 (2.87) [0.81]	-1.21 (3.84) [0.75]
Outcome^a	26.19*** (2.81) [<0.01]	18.47*** (3.00) [<0.01]	30.20*** (2.14) [<0.01]	29.50*** (3.39) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-2.88 (5.91) [0.63]	-2.80 (3.73) [0.46]	1.11 (4.72) [0.81]	0.69 (6.44) [0.91]
Don't know if matching amount(s) received	1.73 (3.64) [0.64]	-9.68** (4.65) [0.04]	3.31 (3.25) [0.31]	2.29 (4.82) [0.64]
Health status [fair/poor, reference] ^a				
Very good/excellent	2.39 (5.81) [0.68]	2.17 (4.02) [0.59]	-0.78 (4.05) [0.85]	7.54 (6.38) [0.24]
Good	6.48* (3.73) [0.09]	-4.12 (3.64) [0.26]	5.01* (2.81) [0.08]	7.23* (3.86) [0.07]
Gender [male, reference] ^a				
Female	5.40 (3.36) [0.11]	-3.44 (3.88) [0.38]	3.63 (3.27) [0.27]	4.35 (5.19) [0.41]
Marital status [never married, reference] ^a				
Married	-6.79 (5.58) [0.23]	7.76 (5.44) [0.16]	-0.39 (5.05) [0.94]	-0.28 (7.17) [0.97]
Widowed/divorced/separated	-4.96 (3.98) [0.22]	2.79 (4.02) [0.49]	3.50 (3.45) [0.31]	-1.37 (5.70) [0.81]

Table K-67. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new fruits” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	3.85 (3.76) [0.31]	-10.83** (4.21) [0.01]	-1.17 (4.27) [0.79]	-0.94 (6.62) [0.89]
60 or older	5.08 (7.14) [0.48]	-10.44 (7.01) [0.14]	-2.62 (7.00) [0.71]	7.34 (9.09) [0.42]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-2.88 (4.40) [0.51]	-0.96 (8.58) [0.91]	3.27 (3.93) [0.41]	1.74 (6.19) [0.78]
Hispanic	1.21 (5.54) [0.83]	-7.40 (5.39) [0.18]	4.11 (6.23) [0.51]	9.70 (10.02) [0.34]
Born outside the U.S. [not born outside the U.S., reference] ^a	-2.39 (3.91) [0.54]	-6.03 (4.54) [0.19]	-0.94 (4.29) [0.83]	3.18 (7.42) [0.67]
Education level [less than high school, reference]^a				
High school	-4.64 (4.94) [0.35]	5.40 (5.60) [0.34]	0.73 (3.83) [0.85]	-5.62 (4.99) [0.26]
Some college/associate's degree	4.68 (5.16) [0.37]	8.19 (5.26) [0.13]	4.50 (4.34) [0.30]	-4.88 (5.82) [0.41]
College graduate or above	4.76 (5.74) [0.41]	17.20*** (6.23) [0.01]	8.96 (7.12) [0.21]	6.11 (9.56) [0.53]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	3.33 (5.64) [0.56]	2.07 (5.82) [0.72]	-0.31 (5.94) [0.96]	-5.22 (8.94) [0.56]
Distance to closest participating FINI retailer (miles) ^a	0.62 (0.77) [0.43]	-0.37 (0.95) [0.70]	0.81 (0.69) [0.24]	-0.05 (1.14) [0.97]
Household size ^a	-0.22 (1.76) [0.90]	-3.76** (1.81) [0.04]	2.01 (1.87) [0.29]	1.08 (2.68) [0.69]
Children present in household [no children present in household, reference] ^a	4.83 (6.11) [0.43]	11.13* (5.56) [0.05]	6.63 (4.58) [0.15]	6.84 (6.00) [0.26]

Table K-67. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new fruits” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-4.06 (5.39) [0.45]	-7.29 (5.49) [0.19]	4.93 (4.95) [0.32]	-0.17 (8.50) [0.98]
Percentage of local area receiving SNAP ^a	0.05 (0.12) [0.68]	-0.05 (0.11) [0.67]	0.06 (0.11) [0.55]	0.02 (0.17) [0.89]
Living in urban area [living in rural area, reference] ^a	-0.45 (7.43) [0.95]	-2.24 (5.91) [0.71]	6.54 (6.94) [0.35]	1.35 (8.05) [0.87]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-10.05 (8.01) [0.21]	4.51 (6.90) [0.52]	- - -	- - -
Mountain Plains	0.01 (7.35) [1.00]	11.86** (5.86) [0.05]	- - -	- - -
Northeast	-4.70 (4.41) [0.29]	5.93 (6.77) [0.38]	- - -	- - -
Southeast	-1.68 (5.62) [0.77]	2.76 (11.26) [0.81]	- - -	- - -
Southwest	9.57 (8.75) [0.28]	11.12* (6.44) [0.09]	- - -	- - -
West	0.84 (4.45) [0.85]	5.02 (5.43) [0.36]	- - -	- - -
Observations	805	686	911	445

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of agreeing to enjoying to try new fruits. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-68. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new vegetables”

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	6.05* (3.57) [0.10]	5.03 (4.45) [0.26]	-2.01 (3.15) [0.53]	1.75 (4.16) [0.68]
Outcome^a	23.89*** (2.86) [<0.01]	24.33*** (2.84) [<0.01]	27.64*** (2.77) [<0.01]	24.38*** (3.47) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.22 (5.39) [0.82]	-2.17 (4.77) [0.65]	4.53 (4.34) [0.30]	5.38 (6.78) [0.43]
Don't know if matching amount(s) received	-5.11 (3.73) [0.18]	-8.50 (5.22) [0.11]	1.06 (3.71) [0.78]	0.76 (5.73) [0.90]
Health status [fair/poor, reference] ^a				
Very good/excellent	4.19 (5.39) [0.44]	6.65 (4.44) [0.14]	-2.19 (4.38) [0.62]	7.70 (6.53) [0.24]
Good	7.68* (3.90) [0.05]	-0.47 (3.94) [0.90]	-0.22 (3.34) [0.95]	4.67 (4.76) [0.33]
Gender [male, reference] ^a				
Female	12.64*** (3.86) [<0.01]	-1.86 (4.04) [0.65]	1.30 (3.61) [0.72]	-5.62 (5.19) [0.28]
Marital status [never married, reference] ^a				
Married	-5.41 (5.32) [0.31]	2.76 (5.08) [0.59]	1.42 (4.76) [0.77]	-4.16 (7.92) [0.60]
Widowed/divorced/separated	-2.65 (3.70) [0.48]	-1.47 (4.35) [0.74]	8.06** (3.69) [0.03]	5.49 (5.16) [0.29]

Table K-68. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new vegetables” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-0.12 (4.01) [0.98]	-0.92 (5.63) [0.87]	0.19 (4.03) [0.96]	-5.75 (6.16) [0.35]
60 or older	-0.31 (7.71) [0.97]	7.29 (7.49) [0.34]	-3.48 (6.55) [0.60]	12.07 (7.91) [0.13]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	2.28 (4.83) [0.64]	3.44 (8.97) [0.70]	4.95 (3.95) [0.21]	8.22 (5.53) [0.14]
Hispanic	2.03 (6.03) [0.74]	-9.93 (7.27) [0.18]	-0.47 (7.36) [0.95]	10.72 (8.47) [0.21]
Born outside the U.S. [not born outside the U.S., reference] ^a	2.13 (3.85) [0.58]	-2.65 (4.69) [0.57]	-2.66 (4.43) [0.55]	-3.97 (7.54) [0.60]
Education level [less than high school, reference]^a				
High school	-0.67 (4.93) [0.89]	2.76 (6.13) [0.65]	2.98 (4.72) [0.53]	-5.36 (5.99) [0.38]
Some college/associate's degree	4.90 (4.69) [0.30]	5.84 (6.40) [0.37]	3.34 (5.60) [0.55]	-4.03 (6.19) [0.52]
College graduate or above	1.96 (6.08) [0.75]	15.12** (6.36) [0.02]	17.17** (7.57) [0.03]	22.44*** (7.46) [<0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	7.36 (5.27) [0.17]	1.05 (6.41) [0.87]	-3.61 (5.29) [0.50]	-9.28 (7.67) [0.23]
Distance to closest participating FINI retailer (miles) ^a	0.16 (0.82) [0.85]	-0.54 (1.05) [0.61]	0.57 (0.80) [0.48]	-1.71* (0.97) [0.08]
Household size ^a	0.02 (1.87) [0.99]	-1.96 (2.15) [0.37]	2.36 (1.72) [0.17]	1.28 (2.45) [0.60]
Children present in household [no children present in household, reference] ^a	2.84 (5.93) [0.63]	11.35* (5.74) [0.05]	10.03* (5.12) [0.05]	10.04 (6.34) [0.12]

Table K-68. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I enjoy trying new vegetables” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-3.52 (5.52) [0.53]	-11.51** (5.66) [0.05]	5.90 (4.91) [0.23]	-4.07 (7.39) [0.58]
Percentage of local area receiving SNAP ^a	0.06 (0.12) [0.62]	0.18 (0.13) [0.20]	-0.04 (0.11) [0.75]	-0.11 (0.17) [0.53]
Living in urban area [living in rural area, reference] ^a	0.30 (7.43) [0.97]	-0.75 (6.21) [0.90]	1.81 (5.76) [0.75]	1.80 (6.46) [0.78]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-4.46 (6.13) [0.47]	-6.26 (7.29) [0.39]	- - -	- - -
Mountain Plains	4.97 (6.53) [0.45]	-1.77 (7.24) [0.81]	- - -	- - -
Northeast	-4.51 (4.52) [0.32]	2.67 (6.56) [0.69]	- - -	- - -
Southeast	-1.40 (5.98) [0.82]	-6.03 (10.59) [0.57]	- - -	- - -
Southwest	6.04 (8.65) [0.49]	8.08 (6.30) [0.21]	- - -	- - -
West	1.94 (5.52) [0.73]	-3.17 (5.50) [0.57]	- - -	- - -
Observations	805	686	911	445

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of agreeing to enjoying to try new vegetables. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-69. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I eat enough fruits to keep me healthy”

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	0.52 (2.85) [0.86]	0.99 (3.66) [0.79]	-1.79 (3.76) [0.64]	-4.89 (5.12) [0.34]
Outcome^a	21.58*** (2.63) [<0.01]	25.11*** (3.03) [<0.01]	24.25*** (2.95) [<0.01]	23.72*** (3.85) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-8.56 (5.53) [0.13]	6.03* (3.56) [0.10]	-2.81 (5.39) [0.60]	2.85 (6.48) [0.66]
Don't know if matching amount(s) received	-1.59 (4.02) [0.69]	-1.29 (5.65) [0.82]	-7.10** (3.54) [0.05]	-6.11 (4.99) [0.23]
Health status [fair/poor, reference] ^a				
Very good/excellent	12.16*** (4.51) [0.01]	1.64 (5.22) [0.75]	5.88 (5.30) [0.27]	8.35 (6.43) [0.20]
Good	4.69 (4.41) [0.29]	0.54 (4.38) [0.90]	2.87 (3.77) [0.45]	7.74* (4.59) [0.10]
Gender [male, reference] ^a				
Female	3.94 (4.03) [0.33]	-0.33 (3.80) [0.93]	3.09 (3.89) [0.43]	7.76 (5.03) [0.13]
Marital status [never married, reference] ^a				
Married	2.83 (5.20) [0.59]	1.45 (5.58) [0.80]	9.83* (5.65) [0.09]	7.49 (6.59) [0.26]
Widowed/divorced/separated	-8.74** (4.31) [0.05]	-4.88 (4.63) [0.30]	6.03* (3.47) [0.09]	0.36 (5.78) [0.95]

Table K-69. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I eat enough fruits to keep me healthy” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-0.10 (4.57) [0.98]	-6.97 (4.52) [0.13]	-0.30 (4.22) [0.94]	8.50 (5.60) [0.13]
60 or older	9.78 (6.69) [0.15]	-3.99 (8.34) [0.63]	-10.93 (6.69) [0.11]	-8.50 (11.54) [0.46]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	3.48 (3.82) [0.37]	1.11 (7.98) [0.89]	10.73** (4.39) [0.02]	15.13** (6.12) [0.02]
Hispanic	0.23 (4.99) [0.96]	-8.54 (5.92) [0.16]	12.14 (7.28) [0.10]	24.40** (9.27) [0.01]
Born outside the U.S. [not born outside the U.S., reference] ^a	2.42 (4.88) [0.62]	8.72* (4.83) [0.08]	5.78 (4.69) [0.22]	0.45 (6.40) [0.94]
Education level [less than high school, reference]^a				
High school	0.60 (4.68) [0.90]	0.89 (6.32) [0.89]	2.04 (5.07) [0.69]	-4.14 (5.15) [0.43]
Some college/associate's degree	-0.65 (5.08) [0.90]	5.28 (6.19) [0.40]	-3.18 (4.77) [0.51]	-9.35 (6.26) [0.14]
College graduate or above	-5.69 (7.61) [0.46]	5.69 (7.34) [0.44]	3.15 (7.40) [0.67]	12.38 (8.28) [0.14]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-1.16 (4.80) [0.81]	-8.25 (5.81) [0.16]	2.19 (5.54) [0.69]	-4.79 (8.86) [0.59]
Distance to closest participating FINI retailer (miles) ^a	-0.61 (0.80) [0.44]	-1.00 (1.29) [0.44]	0.46 (0.97) [0.64]	-1.25 (1.12) [0.27]
Household size ^a	0.85 (1.60) [0.60]	-1.63 (2.42) [0.50]	-0.73 (2.13) [0.73]	-1.41 (2.63) [0.59]
Children present in household [no children present in household, reference] ^a	2.01 (5.11) [0.70]	7.71 (6.57) [0.25]	1.47 (5.91) [0.80]	-3.85 (6.77) [0.57]

Table K-69. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I eat enough fruits to keep me healthy” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-8.82* (5.07) [0.09]	-3.73 (6.21) [0.55]	13.25** (5.45) [0.02]	19.38** (7.63) [0.01]
Percentage of local area receiving SNAP ^a	-0.02 (0.13) [0.89]	0.08 (0.13) [0.54]	0.22 (0.14) [0.11]	0.38** (0.18) [0.04]
Living in urban area [living in rural area, reference] ^a	-5.47 (7.92) [0.49]	1.58 (6.29) [0.80]	-0.32 (6.28) [0.96]	-5.84 (7.03) [0.41]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	-0.86 (7.83) [0.91]	-6.37 (8.44) [0.45]	- - -	- - -
Mountain Plains	4.06 (7.65) [0.60]	-7.82 (9.10) [0.39]	- - -	- - -
Northeast	5.44 (4.04) [0.18]	-7.01 (6.69) [0.30]	- - -	- - -
Southeast	-8.17 (6.65) [0.22]	-22.00* (10.99) [0.05]	- - -	- - -
Southwest	15.45 (9.47) [0.11]	-3.76 (9.06) [0.68]	- - -	- - -
West	9.03** (4.17) [0.03]	-5.95 (6.15) [0.34]	- - -	- - -
Observations	805	686	911	445

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of agreeing to eating enough fruits to keep healthy. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-70. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I eat enough vegetables to keep me healthy”

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	-4.18 (3.03) [0.17]	2.00 (3.73) [0.59]	2.43 (3.53) [0.50]	-4.17 (5.91) [0.48]
Outcome^a	26.29*** (2.77) [<0.01]	29.08*** (2.74) [<0.01]	24.90*** (2.71) [<0.01]	25.40*** (4.37) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-10.21* (5.93) [0.09]	2.97 (3.25) [0.37]	-6.95 (5.05) [0.17]	-3.80 (8.08) [0.64]
Don't know if matching amount(s) received	-3.56 (3.72) [0.34]	-1.18 (5.30) [0.82]	-5.09 (3.73) [0.18]	-3.70 (5.77) [0.52]
Health status [fair/poor, reference] ^a				
Very good/excellent	6.60 (4.40) [0.14]	5.88 (4.37) [0.18]	5.21 (5.43) [0.34]	6.11 (7.33) [0.41]
Good	1.97 (4.05) [0.63]	-0.30 (4.26) [0.94]	2.23 (3.37) [0.51]	-0.33 (5.35) [0.95]
Gender [male, reference] ^a				
Female	2.74 (3.95) [0.49]	1.54 (3.92) [0.70]	-1.78 (4.14) [0.67]	4.03 (5.46) [0.46]
Marital status [never married, reference] ^a				
Married	0.15 (5.42) [0.98]	7.79 (5.39) [0.15]	8.42 (5.62) [0.14]	4.47 (7.11) [0.53]
Widowed/divorced/separated	-9.65** (3.79) [0.01]	-4.83 (4.48) [0.29]	5.49* (3.11) [0.08]	0.33 (5.71) [0.95]

Table K-70. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I eat enough vegetables to keep me healthy” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	7.00 (4.64) [0.14]	-2.73 (4.19) [0.52]	4.47 (4.19) [0.29]	15.19** (6.23) [0.02]
60 or older	17.65*** (5.93) [<0.01]	3.59 (7.12) [0.62]	-6.00 (5.92) [0.32]	1.59 (10.51) [0.88]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	-0.83 (3.50) [0.81]	-13.49* (6.87) [0.06]	12.04*** (3.57) [<0.01]	21.89*** (5.53) [<0.01]
Hispanic	-2.48 (5.13) [0.63]	-17.13** (6.54) [0.01]	14.80** (6.80) [0.03]	29.11*** (8.54) [<0.01]
Born outside the U.S. [not born outside the U.S., reference] ^a	2.56 (4.67) [0.59]	4.37 (4.40) [0.33]	1.68 (4.65) [0.72]	-3.69 (6.97) [0.60]
Education level [less than high school, reference]^a				
High school	2.42 (4.50) [0.59]	-0.38 (6.05) [0.95]	4.27 (4.91) [0.39]	1.92 (6.16) [0.76]
Some college/associate's degree	-1.40 (4.58) [0.76]	4.29 (5.52) [0.44]	2.76 (4.94) [0.58]	-4.02 (6.54) [0.54]
College graduate or above	-2.49 (7.32) [0.73]	10.55* (5.78) [0.07]	16.02** (7.43) [0.04]	15.13 (9.55) [0.12]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	2.62 (5.05) [0.61]	-9.08 (6.09) [0.14]	-1.89 (5.94) [0.75]	0.26 (7.63) [0.97]
Distance to closest participating FINI retailer (miles) ^a	-0.07 (0.94) [0.94]	-0.20 (0.98) [0.84]	0.67 (1.04) [0.52]	-1.36 (1.23) [0.27]
Household size ^a	1.15 (1.84) [0.53]	-2.01 (2.03) [0.33]	-0.04 (2.14) [0.99]	-2.29 (2.84) [0.42]
Children present in household [no children present in household, reference] ^a	3.94 (5.05) [0.44]	8.26 (5.71) [0.15]	1.13 (6.43) [0.86]	0.93 (7.89) [0.91]

Table K-70. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I eat enough vegetables to keep me healthy” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-6.88 (5.00) [0.17]	-2.57 (5.07) [0.61]	14.09*** (4.79) [<0.01]	16.10** (6.12) [0.01]
Percentage of local area receiving SNAP ^a	0.05 (0.12) [0.70]	0.23** (0.11) [0.05]	0.11 (0.13) [0.42]	0.31* (0.18) [0.09]
Living in urban area [living in rural area, reference] ^a	-10.33 (6.58) [0.12]	2.28 (7.55) [0.76]	1.66 (6.52) [0.80]	-4.33 (7.18) [0.55]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	7.07 (6.59) [0.29]	-3.75 (7.70) [0.63]	- - -	- - -
Mountain Plains	5.25 (7.68) [0.50]	2.39 (7.05) [0.74]	- - -	- - -
Northeast	0.26 (4.71) [0.96]	1.86 (6.71) [0.78]	- - -	- - -
Southeast	-1.03 (5.83) [0.86]	-6.87 (10.73) [0.53]	- - -	- - -
Southwest	11.13 (8.62) [0.20]	5.65 (7.86) [0.48]	- - -	- - -
West	2.49 (4.72) [0.60]	-4.75 (6.22) [0.45]	- - -	- - -
Observations	805	686	911	445

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of agreeing to eating enough vegetables to keep healthy. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-71. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I encourage my family to eat fruits and vegetables”

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	2.16 (2.45) [0.38]	-1.90 (3.72) [0.61]	2.10 (3.43) [0.54]	-0.56 (6.09) [0.93]
Outcome^a	23.06*** (2.37) [<0.01]	18.47*** (2.63) [<0.01]	25.44*** (3.11) [<0.01]	22.64*** (4.45) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-10.15 (6.10) [0.10]	1.34 (3.15) [0.67]	3.53 (4.71) [0.46]	-0.21 (6.23) [0.97]
Don't know if matching amount(s) received	-0.61 (3.95) [0.88]	-5.17 (4.60) [0.27]	-3.23 (3.50) [0.36]	-1.96 (4.32) [0.65]
Health status [fair/poor, reference] ^a				
Very good/excellent	4.01 (3.87) [0.30]	2.12 (5.30) [0.69]	1.98 (4.60) [0.67]	-0.44 (6.91) [0.95]
Good	1.60 (3.30) [0.63]	-4.32 (3.16) [0.18]	1.39 (3.45) [0.69]	0.47 (5.57) [0.93]
Gender [male, reference] ^a				
Female	1.45 (2.97) [0.63]	-0.70 (3.54) [0.84]	0.95 (3.67) [0.80]	-3.27 (4.50) [0.47]
Marital status [never married, reference] ^a				
Married	0.91 (5.32) [0.87]	12.54** (5.47) [0.03]	5.58 (5.16) [0.28]	1.64 (8.18) [0.84]
Widowed/divorced/separated	<0.01 (3.35) [1.00]	3.47 (4.23) [0.42]	2.96 (3.32) [0.38]	2.91 (5.03) [0.57]

Table K-71. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I encourage my family to eat fruits and vegetables” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	-5.33 (4.14) [0.20]	-1.04 (4.33) [0.81]	7.45* (3.75) [0.05]	4.70 (4.98) [0.35]
60 or older	-1.59 (6.67) [0.81]	-5.69 (7.92) [0.48]	-5.00 (6.98) [0.48]	-1.51 (11.35) [0.89]
Race/ethnicity [non-black & non-Hispanic, reference]^a				
Black	1.29 (4.02) [0.75]	-18.88* (9.84) [0.06]	5.90 (4.16) [0.16]	9.47 (7.15) [0.19]
Hispanic	-1.14 (5.63) [0.84]	-9.46 (6.94) [0.18]	11.81* (6.43) [0.07]	13.04 (8.70) [0.14]
Born outside the U.S. [not born outside the U.S., reference] ^a	-0.87 (4.52) [0.85]	0.89 (4.74) [0.85]	1.53 (4.40) [0.73]	6.36 (7.86) [0.42]
Education level [less than high school, reference]^a				
High school	0.82 (4.16) [0.84]	8.90 (6.80) [0.20]	1.47 (4.54) [0.75]	-3.32 (5.91) [0.58]
Some college/associate's degree	-2.51 (3.87) [0.52]	9.22 (6.69) [0.17]	1.37 (4.67) [0.77]	-6.98 (6.51) [0.29]
College graduate or above	-6.92 (5.00) [0.17]	4.16 (6.67) [0.54]	8.35 (6.86) [0.23]	19.01*** (7.11) [0.01]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	3.45 (4.93) [0.49]	0.64 (6.07) [0.92]	-0.89 (4.38) [0.84]	4.45 (8.03) [0.58]
Distance to closest participating FINI retailer (miles) ^a	0.22 (0.85) [0.80]	1.85 (1.23) [0.14]	0.63 (0.75) [0.40]	0.12 (1.04) [0.91]
Household size ^a	1.10 (1.69) [0.52]	-4.18* (2.48) [0.10]	-0.35 (1.57) [0.82]	-0.45 (2.52) [0.86]
Children present in household [no children present in household, reference] ^a	7.55 (4.81) [0.12]	31.38*** (5.88) [<0.01]	19.59*** (4.13) [<0.01]	18.06** (7.32) [0.02]

Table K-71. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I encourage my family to eat fruits and vegetables” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-9.53* (4.92) [0.06]	1.09 (5.04) [0.83]	7.26 (4.42) [0.11]	6.86 (7.86) [0.39]
Percentage of local area receiving SNAP ^a	0.06 (0.12) [0.61]	-0.09 (0.12) [0.47]	0.09 (0.12) [0.44]	0.08 (0.19) [0.68]
Living in urban area [living in rural area, reference] ^a	-2.79 (6.55) [0.67]	0.09 (5.04) [0.99]	5.58 (6.13) [0.37]	8.39 (8.54) [0.33]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	2.46 (7.07) [0.73]	3.08 (5.24) [0.56]	- - -	- - -
Mountain Plains	-0.94 (5.93) [0.87]	3.67 (6.75) [0.59]	- - -	- - -
Northeast	-2.26 (3.50) [0.52]	5.47 (5.39) [0.32]	- - -	- - -
Southeast	-11.56** (4.67) [0.02]	4.50 (10.75) [0.68]	- - -	- - -
Southwest	5.14 (8.79) [0.56]	4.93 (6.59) [0.46]	- - -	- - -
West	0.03 (4.64) [1.00]	0.85 (4.62) [0.85]	- - -	- - -
Observations	805	686	911	445

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of agreeing to encouraging friends to eat fruits and vegetables. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

Table K-72. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I encourage my friends to eat fruits and vegetables”

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Treatment	4.46 (3.54) [0.21]	0.61 (3.88) [0.88]	7.22** (3.23) [0.03]	2.74 (5.32) [0.61]
Outcome ^a	28.87*** (2.71) [<0.01]	29.78*** (2.41) [<0.01]	32.75*** (2.21) [<0.01]	32.38*** (3.72) [<0.01]
Received SBIP fruit or vegetable matching amount prior to FINI [received no matching amounts, reference] ^{a,b}				
Matching amount received at farmers market or grocery store	-1.86 (6.56) [0.78]	5.08 (3.87) [0.20]	9.47* (5.14) [0.07]	-2.27 (7.15) [0.75]
Don't know if matching amount(s) received	0.27 (4.01) [0.95]	-5.29 (5.82) [0.37]	-1.79 (3.97) [0.65]	-3.02 (5.00) [0.55]
Health status [fair/poor, reference] ^a				
Very good/excellent	4.31 (4.97) [0.39]	6.24 (4.89) [0.21]	4.51 (4.56) [0.33]	1.08 (5.91) [0.86]
Good	7.17* (3.98) [0.08]	-1.87 (3.53) [0.60]	0.89 (3.08) [0.77]	-2.13 (4.68) [0.65]
Gender [male, reference] ^a				
Female	-1.08 (3.42) [0.75]	5.69 (4.82) [0.24]	1.49 (3.33) [0.66]	-3.00 (4.80) [0.53]
Marital status [never married, reference] ^a				
Married	-5.64 (6.60) [0.40]	3.32 (5.75) [0.57]	0.91 (4.88) [0.85]	3.62 (7.67) [0.64]
Widowed/divorced/ separated	-5.96 (4.26) [0.17]	3.03 (5.12) [0.56]	1.23 (3.51) [0.73]	3.21 (5.40) [0.55]

Table K-72. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I encourage my friends to eat fruits and vegetables” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Age group [18-39 years old, reference]^a				
40-60 years old	2.74 (4.51) [0.55]	-0.15 (5.27) [0.98]	-0.41 (3.83) [0.92]	-4.99 (5.59) [0.38]
60 or older	7.54 (6.73) [0.27]	-1.78 (10.02) [0.86]	-4.72 (5.63) [0.41]	3.97 (10.90) [0.72]
Race/ethnicity [non- black & non-Hispanic, reference]^a				
Black	0.33 (5.03) [0.95]	-6.23 (8.27) [0.46]	2.96 (4.33) [0.50]	12.44 (8.38) [0.14]
Hispanic	-0.59 (5.91) [0.92]	-1.68 (6.70) [0.80]	5.86 (6.07) [0.34]	7.01 (9.11) [0.44]
Born outside the U.S. [not born outside the U.S., reference] ^a	3.92 (4.32) [0.37]	10.54** (4.30) [0.02]	0.93 (4.49) [0.84]	4.22 (6.80) [0.54]
Education level [less than high school, reference]^a				
High school	-1.77 (4.85) [0.72]	5.91 (7.94) [0.46]	4.49 (4.35) [0.31]	-7.69 (6.36) [0.23]
Some college/associate's degree	-1.53 (4.83) [0.75]	8.85 (7.06) [0.22]	3.48 (4.45) [0.44]	-11.13 (6.69) [0.10]
College graduate or above	-5.76 (6.63) [0.39]	7.75 (7.36) [0.30]	17.46** (7.17) [0.02]	22.20** (9.68) [0.03]
\$20,000 or more yearly income [less \$20,000 yearly income, reference] ^a	-3.13 (5.08) [0.54]	-16.98*** (6.33) [0.01]	-9.47* (4.74) [0.05]	-13.53* (6.95) [0.06]
Distance to closest participating FINI retailer (miles) ^a	0.05 (1.09) [0.96]	0.65 (0.84) [0.44]	0.74 (0.76) [0.33]	0.47 (1.29) [0.72]
Household size ^a	1.41 (1.58) [0.38]	0.04 (2.34) [0.99]	-0.33 (1.61) [0.84]	-1.05 (3.00) [0.73]
Children present in household [no children present in household, reference] ^a	0.86 (5.66) [0.88]	4.44 (6.80) [0.52]	16.64*** (5.22) [<0.01]	13.48 (9.24) [0.15]

Table K-72. Fruit and vegetable preference: probability that SNAP participant agrees with the statement “I encourage my friends to eat fruits and vegetables” (continued)

	Farmers market general (N=833)	Farmers market shoppers (N=703)	Grocery store general (N=935)	Grocery store shoppers (N=454)
Elderly present in household [no elderly present in household, reference] ^a	-7.95 (5.17) [0.13]	-2.20 (7.37) [0.77]	5.18 (4.31) [0.23]	0.04 (9.32) [1.00]
Percentage of local area receiving SNAP ^a	0.05 (0.17) [0.76]	0.09 (0.15) [0.54]	0.10 (0.10) [0.31]	0.25 (0.16) [0.12]
Living in urban area [living in rural area, reference] ^a	-1.87 (7.52) [0.80]	-6.29 (4.74) [0.19]	8.32 (6.33) [0.19]	7.39 (8.61) [0.39]
FNS region [Mid-Atlantic, reference] ^a				
Mid-West	1.68 (6.74) [0.80]	-9.44 (7.16) [0.19]	- - -	- - -
Mountain Plains	-7.93 (7.21) [0.28]	-12.15 (7.44) [0.11]	- - -	- - -
Northeast	-7.27* (4.24) [0.09]	0.94 (6.80) [0.89]	- - -	- - -
Southeast	-10.59 (6.71) [0.12]	-6.55 (10.52) [0.54]	- - -	- - -
Southwest	8.36 (11.17) [0.46]	-6.76 (7.62) [0.38]	- - -	- - -
West	-10.34* (5.47) [0.06]	-2.12 (5.81) [0.72]	- - -	- - -
Observations	805	686	911	445

Source: Baseline and follow-up SNAP Participant Surveys, 2016 State SNAP administrative data, 2013 and 2014 U.S. Census Bureau data, and 2015 to 2017 USDA administrative data.

Notes: Logistic regression. Coefficients represent the percentage difference in probability of agreeing to encouraging family to eat fruits and vegetables. Standard errors in parentheses. P-values in brackets. The Grocery Store Shoppers group is simply a subset of the Grocery Store General group. Cells with a “-” represent variables with no variation and thus omitted from the model. Observations differ from sample sizes (n) due to item nonresponse.

*** p<0.01, ** p<0.05, * p<0.1

^a Variable is measured at baseline.

^b SBIP is SNAP based incentive program.

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Appendix L

Nonresponse Bias Analyses

Appendix L. Nonresponse Bias Analyses

This appendix includes the results of the nonresponse bias analyses (NRBA) conducted for the Retailer Survey and the SNAP Participant Survey (SPS). The evaluation used weights designed to account for potential nonresponse bias – systematic bias in survey respondents that occurs when the final sample differs from the planned sample;¹ however, it is possible that the weights did not eliminate all potential bias if responses were not missing completely at random. The NRBA provides an idea of the extent of remaining bias in the analyses after applying the weights. The NRBA uses variables available in the sampling frame (e.g., community-level and individual characteristics) to study the extent of potential bias caused by survey nonresponse.

There are different types of nonresponse and some types can lead to more significant bias than other types. For example, if nonresponse just reduces the sample size “randomly,” that is, all nonrespondents have the same probability of nonresponse, then a simple weight adjustment by inflating the base weight by the inverse of the response rate would address the issue—this type of nonresponse is called “missing completely at random (MCAR).” This type of nonresponse rarely happens in the real world. Nonresponse often does not occur randomly but dependently on some background characteristics; this type of nonresponse is called “missing at random (MAR).”² Under represented or over represented groups that behave differently with respect to survey variables can cause biased estimates; estimates may be significantly too high or too low and therefore not generalizable to the general population. If the correlation between those characteristics that influence the nonresponse pattern and a survey variable is strong, an estimate of the survey variable obtained from weighted analysis using the survey weight calculated by the simple adjustment described above is biased. However, if the correlation is weak, the bias is likely negligible or nonexistent. The dependency of nonresponse on the background characteristics does not automatically imply a bias but rather the potential for bias.

¹ Survey nonresponse may be due to no-contact, refusal to participate, or not able to participate in the study for reasons such as illness or language barriers. Nonresponse to specific survey items is not discussed in this Appendix.

² The difference between “missing at random” (MAR) and MCAR is that there is still randomness in nonresponse even after conditioning on background characteristics in MAR; whereas in MCAR, there is no dependency on the background characteristics.

The NRBA assessed the significance of biases that may remain in the data from the Retailer Survey and the SPS after applying weights. It addressed overall nonresponse to the surveys by comparing characteristics of survey respondents used in the analyses to the entire sampling frame; it did not address potential bias due to nonresponse to individual survey items (i.e., item nonresponse).

Overall, the NRBA of the Retailer Survey did not reveal significant bias. The NRBA of the SPS did reveal some potential bias for a small number of covariates. Multivariate regression analyses were used to control for potentially biased covariates; this approach significantly reduces or eliminates potential bias when estimating program impacts. Combining the propensity score method³ and the regression approach to further control the potential bias due to covariates out of balance is often employed (Stuart, 2013). The sections below describe the approach and the results of the NRBA for the Retailer Survey and the SPS.

L.1 Retailer Survey Nonresponse Bias Analysis

All FINI retailers implementing FINI through the 2015 and 2016 grant awards were invited to complete the Retailer Survey. The overall survey response rate was 59.7 percent;⁴ responding retailers may have differed from those that did not and this nonresponse could lead to potential bias. Weights designed to address random nonresponse bias were applied for analysis of the Retailer Survey responses.

Three sequential analyses were used to assess the extent of nonresponse bias in the Retailer Survey. The results of the NRBA for the Retailer Survey suggested that most differences between respondents and nonrespondents in the weighted data were negligible, but some demonstrated the potential for bias and required further examination. Additional examination of these differences did not reveal any significant bias.

³ The propensity score method was used to match treatment and comparison group SNAP participants as part of the weighting process for the SPS.

⁴ Survey data was analyzed and presented by retailer type: grocery stores, farmers markets, direct marketing farmers, mobile markets, and community-supported agriculture. Completed surveys were received for 30 grocery stores (66 surveys were mailed; response rate was 45.5 percent). Among farmers markets, 499 completed surveys were received (799 were mailed; response rate was 62.9 percent). Among direct marketing farmers, 17 completed surveys were received (42 were mailed; response rate was 40.5 percent). Among mobile markets, 38 completed surveys were received (56 were mailed; response rate was 67.9 percent). Among community supported agriculture, 11 completed surveys were received (39 were mailed; response rate was 28.2 percent).

The first analysis assessed overall nonresponse to the survey and consisted of a comparison of background characteristics available for all sampled retailers in the sampling frame with weighted values of the same characteristics for retailers who responded to the Retailer Survey. For numerical variables (including dichotomous variables), the analysis compared the frame means or proportions with the weighted means or proportions. For categorical variables, the analysis compared distributions. Table L-1 presents the results of this analysis. Five variables showed potentially significant differences⁵ between the sample frame and the weighted values for Retailer Survey respondents.

The second analysis further examined the significance of potential bias for these five variables. This analysis examined the strength of the variables identified in the first analysis in predicting the values of responses to selected survey variables. If the correlation with the selected variables was strong, the variable was a strong predictor and there is potential bias. Because all survey variables used in the analyses were dichotomous, the study team estimated a logistic regression model with the five variables and their first order interaction terms as predictors. The likelihood ratio test was used to assess the extent of the prediction power of the model. If the model did significantly predict the survey items, then the variables identified in the first analysis may have led to biased estimates. Table L-2 presents the result of the test. For 13 survey variables, the model had significant predictive power, meaning nonresponse may have led to biased estimates of those survey items.

The third analysis examined the extent of the bias using the variables identified as potentially biased. This analysis assessed whether the nonresponse bias was significant for the survey variables identified as potentially biased. This analysis compared the means of the entire sampling frame to the means of the survey respondents. Since the respondents and nonrespondents were different in terms of thirteen variables, the predicted values of the nonrespondents would be different from those of the respondents in their means. If the mean of the predicted values of the entire sampling frame was close enough to the weighted mean of the respondents, it was an indication that the bias was not significant. The criterion used to check significant differences was whether the predicted value of the mean fell in the 95 percent confidence interval of the weighted mean. Table L-3 presents the result of the third analysis. None of the means fell outside of the confidence interval, and therefore, the study team concluded that the bias was not significant.

⁵ Significant differences indicated that the nonresponse weight adjustment did not eliminate the potential bias associated with the variables in the frame.

Table L-1. Comparison of the frame mean with the weighted mean for the Retailer Survey

Characteristics of retailer neighborhoods	Frame N	Frame mean	Sample N	Sample weighted mean	P-value
Urban indicator, 1=Urban, 0=Rural	996	0.9	595	0.9	0.383
Percentage foreign born	995	13.4	594	13.6	0.620
Percentage female head of HH	995	13.0	594	12.8	0.207
Percentage less than HS education	995	13.2	594	13.1	0.733
Percentage with just HS education	995	24.6	594	24.4	0.380
Percentage greater than HS education	995	62.1	594	62.5	0.477
Percentage college degree	995	33.4	594	33.3	0.888
Average years of schooling	995	14.1	594	14.1	0.544
Percentage non-English speakers	995	1.5	594	1.4	0.391
Percentage HHs on public assistance	995	18.2	594	18.0	0.646
Percentage SNAP households	995	17.3	594	17.2	0.635
Annual median household income	995	12.5	594	12.6	0.587
Median house value	975	268,652	579	273,876	0.385
Percentage persons below poverty line	995	20.6	594	20.6	0.969
Percentage aged >= 16 years who are unemployed	995	9.0	594	9.1	0.337
Percentage home ownership	995	49.3	594	49.2	0.840
Annual median household income	994	52,615	594	52,381	0.722
Population density (persons/square mile)	996	5,651	595	5,646	0.981
Percentage Hispanic	995	14.1	594	14.0	0.960
Percentage White (non-Hispanic)	995	60.6	594	60.5	0.876
Percentage Black (non-Hispanic)	995	15.4	594	15.0	0.505
Percentage American Indian Alaska Native (non-Hispanic)	995	0.6	594	0.7	0.134
Percentage Asian (non-Hispanic)	995	6.2	594	6.7	0.088
Percentage Pacific Islander	995	0.3	594	0.2	0.016**
Percentage other race	995	0.2	594	0.2	0.301
Percentage two or more races	995	2.5	594	2.6	0.014**
Grocery stores/1,000 pop.	996	0.2	595	0.2	0.390
Supercenters & club stores/1,000 pop.	996	0.0	595	0.0	0.202
Convenience stores/1,000 pop.	996	0.4	595	0.4	0.006***
Fast-food restaurants/1,000 pop.	996	0.7	595	0.7	0.149
Full-service restaurants/1,000 pop.	996	0.9	595	0.9	0.899
Direct farm sales	932	3.2	562	3.1	0.429
Farmers' markets/1,000 pop.	996	0.0	595	0.0	0.108
Adult obesity rate (county)	996	26.7	595	26.7	0.662
Percentage of county population living in urbanized areas	996	71.8	595	72.8	0.241

Sources: 2010 Census, American Community Survey, 2010-2014, Food Environment Atlas

*** p<0.01, ** p<0.05, * p<0.10.

Table L-2. Likelihood ratio test results for regression model significance

Characteristic	P-value
Reasons for participating in FINI (%)	
To benefit customers	0.830
To be part of something new	0.208
<Name of Grantee> or the program administrator asked us to join	0.235
Corporate office asked us to join	0.235
Know other outlets who joined	0.589
To increase sales of fruits and vegetables	0.136
To increase sales of other items in the market	0.001***
Other	0.019**
Retail outlet received training from grantee or the program administrator	0.000***
Topics covered in the training	
List of eligible products	0.795
Calculating incentive value	0.162
Ratio of SNAP purchase to incentive value	0.181
Maximum amount of incentive value per customer	0.000***
Submitting invoices for reimbursement	0.408
Handling customer issues	0.041**
Other	0.000***
Marketing materials received from grantee or the program administrator	
Posters or signs	0.044**
Shelf tags	0.003***
Educational pamphlets	0.013**
Flyers to mail or hand out to community residents	0.164
Other	0.005***
Did not receive any marketing materials	0.344
Types of marketing materials developed by retail outlet	
Posters or signs	0.381
Shelf tags	0.114
Educational pamphlets	0.000***
Flyers to mail or hand out to community residents	0.000***
Other	0.047***
Did not receive any marketing materials	0.234

Source: Retailer Survey, 2015 Grantees

*** p<0.01, ** p<0.05, * p<0.10.

Table L-3. Difference between the frame mean of the predicted values and the weighted mean

Survey variable	Sample size	Weighted mean	95% Confidence interval		Frame size	Mean of predicted values
			Lower bound	Upper bound		
Why did your market choose to participate in FINI?						
To increase sales in other items in the market	595	38.8%	36.6%	41.0%	996	39.0%
Other	595	26.2%	24.1%	28.3%	996	26.6%
Retailer received training from grantee or program administrator	595	82.1%	80.1%	84.1%	996	82.1%
Topics covered in the training						
Maximum amount of incentive value per customer	486	83.0%	80.6%	85.4%	996	83.5%
Handling customer issues	486	71.0%	68.6%	73.3%	996	70.4%
Other	486	16.8%	14.5%	19.0%	996	16.4%
Marketing materials received from grantee or the program administrator						
Posters or signs	595	87.1%	85.4%	88.7%	996	86.3%
Shelf tags	595	12.1%	10.3%	13.8%	996	12.7%
Educational pamphlets	595	55.4%	52.5%	58.2%	996	55.7%
Other	595	13.3%	11.6%	15.1%	996	13.6%
Types of marketing materials developed by retail outlet						
Educational pamphlets	595	42.0%	39.4%	44.7%	996	41.1%
Flyers to mail or hand out to community residents	595	61.9%	59.3%	64.6%	996	60.6%
Other	595	31.7%	29.6%	33.9%	996	31.3%

Source: Retailer Survey

L.2 SNAP Participant Survey (SPS) Nonresponse Bias Analysis

The goal of the outcome evaluation using the SPS data was to estimate the FINI program treatment effect without bias. The approach to the NRBA for the SPS was different from that for the Retailer Survey because the SPS analysis compared a treatment group to a matched comparison group. In addition to potential bias due to survey nonresponse, nonrandom assignment to the treatment could result in dissimilar characteristics of the treatment and comparison groups, leading to bias in the impact estimates.

In an ideal world, the study team would randomly assign SNAP participants to the treatment or comparison group and all sampled SNAP participants would respond to the SPS. In reality, FINI grantees selected retailers that would implement the program and distribute the incentives. Since only SNAP participants who used their EBT card to shop at FINI retailers could receive incentives, exposure to the incentives were not assigned randomly. Further, not all sampled SNAP participants responded to the SPS.

Nonresponse adjustment weighting was used to minimize bias due to survey nonresponse and propensity score weighting was used to minimize bias due to nonrandom assignment of the treatment. The study team compared the means of the covariates used in weighting to check whether the weighting produced similarity between the treatment and comparison group samples. Following the method commonly used in observational studies, the study team examined the standardized mean differences (SMDs) of covariates. The SMD of a covariate is the difference between the weighted mean of the treatment group sample and that of the comparison group sample divided by the pooled standard deviation of the two samples.

Model covariates included (1) community-level (Census tract or county) variables obtained from the 2015 5-year ACS and Census 2010, (2) retailer-level variables obtained from data provided by FNS, and (3) household-level variables from State SNAP administrative data and baseline SPS data. The study team considered baseline SPS demographic variables to be more important than community-level variables because they were most recent and obtained from the respondent households.

The study team used the following criteria to assess balance (Stuart, 2013):

- If SMD is less than 0.25, the difference is acceptable;
- If SMD is greater than or equal to 0.25, it is severely out of balance.

Table L-4 lists the covariates severely out of balance ($SMD > 0.25$) with their SMD. There were only a small number of covariates with unacceptably large differences between the treatment and comparison groups for the Farmers Market Group (FMG) and Farmers Market Shoppers Group (FMS) groups, but there were many such covariates for the Grocery Store General (GSG) group. There was 1 unbalanced variable out of 138 in the FMG group, 2 out of 125 in the FMS group, and 13 out of 138 in the GSG group. For the GSG group, there were intrinsic dissimilarities among covariates that the study team could not balance using the propensity score weighting; however, fewer than 5 unbalanced variables were at the household-level—most were at the community level.

The NRBA identifies several community-level characteristics with significant differences between the treatment and comparison groups. As the remedy for this potential bias problem, the analysis of the treatment effect includes community-level characteristics and individual level proxies⁶ for the covariates identified as potentially biased by the NRBA to eliminate or substantially reduce any remaining bias.⁷ Any remaining bias in the estimate of treatment effect is likely minimal.

⁶ For example, covariates in the models include respondent race, education, and income; these covariates control for potential biases identified among community-level measures of the same concepts.

⁷ Traditionally the regression approach was widely used to estimate the treatment effect for an observational study. However, the propensity score method has gained popularity because it is much versatile to handle many covariates and produces less biased results when the regression model is incorrectly specified. Nevertheless, combining the propensity score method and the regression approach to further control the potential bias due to covariates out of balance is often employed (Stuart, et al., 2013; Golinelli et al., 2012).

Table L-4. Unbalanced characteristics in the SNAP Participant Survey sample, by study group

Variable	Treatment mean	Comparison mean	SMD
Farmers Market General			
Percentage of HHs in Census tract with >1 person/room	3.1	4.2	-0.260 ^a
Farmers Market Shoppers			
Percentage of vacant housing units in the Census tract	13.2	10.9	0.277 ^a
Percentage of home ownership in the Census tract	56.9	51.1	0.307 ^a
Grocery Store General			
Race of survey respondent, White	0.5	0.6	-0.268 ^a
Percentage minority HHs in the Census tract	51.3	28.1	0.709 ^a
Percentage with only high school education in the Census tract	33.0	37.6	-0.507 ^a
Household lives in a rural area	0.0	0.1	-0.488 ^a
Median house value in the Census tract	71,4816	101,813	-0.488 ^a
Percentage of HHs unemployed in the Census tract	19.3	12.9	0.738 ^a
Percentage of vacant housing units in the Census tract	18.8	15.5	0.282 ^a
Percentage of HHs at or below 150% of the Federal poverty level in the Census tract	44.0	38.8	0.304 ^a
Survey respondent, not married	0.4	0.6	-0.255 ^a
Percentage of foreign-born HHs in the Census tract	6.8	4.7	0.270 ^a
Percentage of HHs on SNAP in the Census tract	33.2	27.0	0.406 ^a
Percentage of HHs ages 60 and older on SNAP in the Census tract	24.3	18.5	0.418 ^a
Months receiving SNAP in current spell	46.5	30.4	0.518 ^a

Sources: State SNAP administrative data, SNAP Participant Survey, 2010 Census, American Community Survey, 2010-2014, Food Environment Atlas

^a SMD > ±0.25