Expanding Opportunities & Reducing Barriers to Work: Mississippi Final Report Appendices

Evaluation of Pilot Projects to Promote Work and Increase State Accountability in the Supplemental Nutrition Assistance Program

(Evaluation of USDA, Supplemental Nutrition Assistance Program (SNAP) Employment and Training Pilots)

May 2022

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Submitted to:
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Contract Number: AG-3198-B-15-0002

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Reference Number: 50142

Suggested citation
James Mabli, Gretchen Rowe, Kristen Joyce, Julie Hartnack, Kelley Monzella, Leah Shiferaw, Leah Jennings, Peter Schochet, Milena Raketic, and Dallas Dotter. (2022). Expanding Opportunities & Reducing Barriers to Work: Mississippi Final Report. Prepared by Mathematica, Contract No. AG 3198-B-15-0002. Alexandria, VA: U.S. Department of Agriculture, Food and Nutrition Service, Office of Policy Support.

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Contents

Appendix A. Overview of 10 Pilots A.1

Appendix B. Background on SNAP E&T and Work Requirements B.1

Appendix C. Baseline characteristics C.1

Appendix D. Participation analysis D.1

I. Main tables D.2

II. Subgroup tables and key findings D.32

Appendix E. Differences in service receipt analysis E.1

I. Main tables E.2

II. Subgroup tables and key findings E.17

Appendix F. Impact analysis F.1

I. Main tables for earnings, employment, receipt of public assistance, and well-being outcomes F.2

II. Changes in earnings, employment, receipt of public assistance, and well-being outcomes over time F.30

III. Subgroup tables and key findings for earnings, employment, and receipt of public assistance outcomes F.41

IV. Subgroup tables and key findings for well-being outcomes F.62

Appendix G. Cost-benefit analysis G.1

Appendix H. COVID-19 analysis H.1

Tables

A.1. Overview of pilots A.2

C.1. Characteristics of all individuals enrolled in the pilot C.2

C.2. Baseline equivalence across research groups among individuals enrolled through December 2017 ..... C.5

C.3. Baseline equivalence across research groups among all individuals enrolled in the pilot C.8

C.4. Characteristics of ECCS and BCCS group members who enrolled before and after the halfway point of enrollment, among those enrolled through December 2017 ..... C.11

C.5. Baseline equivalence across research groups among all individuals who enrolled before and after the halfway point of enrollment, among individuals who enrolled through December 2017 ..... C.15

D.1. Participation measures, for individuals enrolled in the EDGE groups through December 2017 compared to all individuals enrolled all of the EDGE groups D.2

D.2. The length of time EDGE group members could potentially spend in the pilot based on when they enrolled and how long they actually spent in services D.4

D.3. Overall participation in EDGE and by type of activities D.5

D.4. Overall participation in EDGE and by type of activity, by timing of enrollment D.6

D.5. Timing of receipt of services D.8

D.6a. Timing of when EDGE (ECCS) group members first participated in services and activities, by quarter after random assignment D.10

D.6b. Timing of when EDGE (BCCS) group members first participated in services and activities, by quarter after random assignment D.11

D.7. Participation, completion, and length of engagement by type of occupational skills training, education, and work-based learning activity D.12

D.8. Receipt of support services D.14

D.9. Receipt of case management contacts D.16

D.10. Extent and timing of EDGE exits D.17

D.11a. Characteristics of ECCS group members, by exit status D.18

D.11b. Characteristics of BCCS group members, by exit status D.20

D.12a. Characteristics of ECCS group members by engagement status and assessment status D.22

D.12b. Characteristics of BCCS group members by engagement status and assessment status D.24

D.13a. Characteristics of ECCS group members by completion status in most common activities, among individuals who started each activity.....D.26

D.13b. Characteristics of BCCS group members by completion status in most common activities, among individuals who started each activity.....D.29

D.14a. Participation in EDGE (ECCS) by type of activity, by subgroup D.33

D.14b. Participation in EDGE (BCCS) by type of activity, by subgroup D.35

E.1. Participation in EDGE services, existing E&T services, or community-offered services in the three years following random assignment E.2

E.2. Percentage of individuals participating in EDGE services, existing E&T services, or community-offered services, by quarter and year after random assignment.....E.3

E.2a. Percentage of individuals participating in education or training programs, by timing of participation relative to the end of the pilot E.4

E.3. Time spent in service or program, completion rates, and types of certifications or degrees received in the three years following random assignment.....E.5

E.4. Time spent in service or program, completion rates, and types of certifications or degrees received, by year after random assignment.....E.6

E.5. Nonexperimental measures of completion rates among ECCS and control group members and BCCS and control group members and credential receipt rates among program completers in the three years following random assignment E.7

E.6. Receipt of case management and support services through EDGE, existing E&T, or community-offered programs in the three years following random assignment E.8

E.7. Receipt of case management and support services through EDGE, existing E&T, or community-offered programs E.9

E.8. Receipt of services and participation in activities, by starting any employment or training-related activity E.11

E.9. Receipt of services and participation in activities, by completion of employment or training-related activities E.13

E.10. Receipt of services and participation in activities, by timing of enrollment E.15

E.11. Receipt of services and participation in activities, by age.....E.18

E.12. Receipt of services and participation in activities, by severity of barriers to employment E.20

E.13. Receipt of services and participation in activities, by recent employment history E.22

E.14. Receipt of services and participation in activities, by presence of children in household E.24

E.15. Receipt of services and participation in activities, by monthly income as a percentage of poverty E.26

E.16. Receipt of services and participation in activities through EDGE or existing E&T services E.28

E.17. Impacts on SNAP sanctions E.29

F.1. Impacts on quarterly and annual total earnings, based on UI wage records F.2

F.2. Impacts on quarterly and annual employment rates and number of quarters employed, based on UI wage records F.3

F.3. Impacts on quarterly and annual earnings, based on survey data F.4

F.4. Impacts on quarterly and annual employment rates and number of months employed, based on survey data F.5

F.5. Impacts on quarterly and annual average hours worked per week, based on survey data F.6

F.6. Characteristics of current jobs, among individuals employed at the time of the interview and based on 36-month survey data F.7

F.7. Characteristics of current jobs, among all individuals with 36-month survey data F.9

F.8. Impacts on quarterly and annual SNAP participation rates, based on SNAP administrative data F.11

F.9. Impacts on average monthly SNAP benefit amount per quarter and year, based on SNAP administrative data F.13

F.10. Impacts on quarterly and annual TANF participation rates and benefit amounts, based on SNAP administrative data F.15

F.11 Impacts on participation in other public assistance programs in the 36 months since random assignment, based on survey data F.17

F.12. Impacts on food security, health, well-being, and housing status, based on 36-month survey data F.18

F.13. Impacts on annual employment rates and total earnings, based on UI wage records, by whether individuals started an employment or training-related activity F.19

F.14. Impacts on annual employment rates and total earnings, based on UI wage records, by completion of employment or training-related activities F.20

F.15. Impacts on annual employment rates and total earnings, based on survey data, by whether individuals started an employment or training-related activity F.21

F.16. Impacts on annual employment rates and average earnings, based on survey data, by completion of employment or training-related activities F.22

F.17. Impacts on annual SNAP participation rates, SNAP benefit amounts, number of months of SNAP participation, and SNAP exit rates, based on SNAP administrative data, by whether individuals started an employment or training-related activity F.24

F.18. Impacts on annual SNAP participation rates, SNAP benefit amounts, number of months of SNAP participation, and SNAP exit rates, based on SNAP administrative data, by completion of employment or training-related activities F.26

F.19. Impacts on Year 2 and 3 outcomes, by timing of enrollment F.28

F.20. Changes in employment, based on UI wage records F.30

F.21. Changes in employment, by employment patterns in Quarters 1 through 12 after random assignment, based on UI wage records F.31

F.22. Changes in employment, based on survey data F.32

F.23. Changes in number of jobs held, based on survey data F.33

F.24. Changes in wages and job characteristics, among all individuals, based on survey data F.34

F.25. Changes in SNAP participation, based on SNAP administrative data F.37

F.26. Changes in SNAP participation, by employment patterns in Quarters 1 through 12 after random assignment, based on SNAP administrative data F.38

F.27. Changes in food insecurity, based on survey data F.40

F.28. Impacts on annual employment rates and total earnings, based on UI wage records, by age F.42

F.29. Impacts on annual employment rates and total earnings, based on UI wage records, by severity of barriers to employment F.43

F.30. Impacts on annual employment rates and total earnings, based on UI wage records, by recent employment history F.44

F.31. Impacts on annual employment rates and total earnings, based on UI wage records, by presence of children F.45

F.32. Impacts on annual employment rates and total earnings, based on UI wage records, by monthly income as a percentage of poverty F.46

F.33. Impacts on annual employment rates and annual earnings, based on survey data, by age F.47

F.34. Impacts on annual employment rates and annual earnings, based on survey data, by severity of barriers to employment F.48

F.35. Impacts on annual employment rates and annual earnings, based on survey data, by recent employment history F.49

F.36. Impacts on annual employment rates and annual earnings, based on survey data, by presence of children F.50

F.37. Impacts on annual employment rates and annual earnings, based on survey data, by monthly income as a percentage of poverty F.51

F.38. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by age F.52

F.39. Impacts on annual SNAP participation rates and average SNAP benefit amount per year , based on SNAP administrative data, by severity of barriers to employment F.54

F.40. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by recent employment history F.56

F.41. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by presence of children F.58

F.42. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by monthly income as a percentage of poverty F.60

F.43. Impacts on food security, based on 36-month survey data, by age F.63

F.44. Impacts on food security, based on 36-month survey data, by severity of barriers to employment F.64

F.45. Impacts on food security, based on 36-month survey data, by recent employment history F.65

F.46. Impacts on food security, based on 36-month survey data, by presence of children F.66

F.47. Impacts on food security, based on 36-month survey data, by monthly income as a percentage of poverty F.67

G.1. EDGE cost summary, by funding source and percentage of total G.3

G.2. EDGE cost summary, by resource category G.4

G.3a. Estimated EDGE costs overall and by service type G.5

G.3b. Estimated EDGE costs overall and by service type, including the costs of ongoing administration G.6

G.4. Average percentage of time direct service provider staff spent on key pilot activities G.7

G.5a. Estimated costs overall and by service type for the ECCS/BCCS groups for ECCS/BCCS services, existing SNAP E&T services, or community-offered services, using pilot cost estimates and survey data G.8

G.5b. Estimated costs, overall and by service type for the ECCS/BCCS groups for ECCS/BCCS services, existing SNAP E&T services, or community-offered services: sensitivity analysis using WIA cost estimates and survey data G.9

G.6a. Estimated costs overall and by service type for the control group for existing SNAP E&T services or community-offered services, using WIA costs and survey data G.10

G.6b. Estimated costs overall and by service type for the control group for existing SNAP E&T services or community-offered services: sensitivity analyses using pilot cost estimates and survey data G.11

G.7. Costs per individual, for ECCS/BCCS and control group members G.12

G.8a. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, UI wage records G.16

G.8b. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, UI wage records G.17

G.9a. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, 36-month survey data G.18

G.9b. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, 36-month survey data G.19

G.10a. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group: summary of sensitivity analyses for UI wage records and 36-month survey data G.21

G.10b. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group: summary of sensitivity analyses for UI wage records and 36-month survey data G.22

G.11a.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of individuals G.23

G.11a.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of BCCS group members G.25

G.11b.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of government and taxpayers G.27

G.11b.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of government and taxpayers G.29

G.11c.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of society G.31

G.11c.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of society G.33

G.12a.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of ECCS group members G.35

G.12a.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of BCCS group members G.36

G.12b.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of government and taxpayers G.37

G.12b.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of government and taxpayers G.38

G.12c.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of society G.39

G.12c.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of society G.40

H.1. Characteristics of EDGE group members interviewed before and after the COVID-19 pandemic began.....H.4

H.2. Trends in calendar month participation in education or training activities H.7

H.3. Characteristics of current jobs, among all individuals with 36-month survey data who were interviewed before and after the COVID-19 pandemic began H.10

H.4. Impacts on quarterly and annual employment rates and total earnings for individuals whose 12th quarter after random assignment was before or after the COVID-19 pandemic began, based on UI wage records H.13

H.5. Impacts on food security, health, well-being, and housing status for individuals interviewed before and after the COVID-19 pandemic began, based on 36-month survey data H.15

H.6. Trends in calendar month employment rate and earnings, based on 36-month survey data H.17

H.7. Trends in calendar quarter employment rate and earnings, based on UI wage records H.20

H.8. Trends in calendar month SNAP participation and SNAP benefit amount H.22

H.9. Reasons for not working by timing of when the COVID-19 pandemic began, among all individuals with 36-month survey data H.25

Appendix A

Overview of 10 Pilots

Table A.1. Overview of pilots

Grantee	Pilot name	Target population	Pilot location	Urban/ rural	Type of State E&T program	Enrollment start date	Pilot services end date	Enrolled in pilot[a]
California	California Bridge Academy (CBA)	Work registrants	9 locations in Fresno county	Urban and rural	Voluntary	January 2016	December 2018	3,930
Delaware	Work Opportunity Networks to Develop Employment Readiness (WONDER)	New work registrants who are unemployed or underemployed and are low-skilled and/or have limited work experience	Statewide	Urban and rural	Voluntary	February 2016	December 2018	6,814
Georgia	SNAP Works 2.0	Originally ABAWDs (ages 18–49) who have been unemployed for at least 12 months but broadened to all ABAWDs in FY 2016	9 counties in or near the Atlanta and Savannah metropolitan areas[b]	Urban and rural	Mandatory	February 2016	January 2019	5,000
Illinois	Employment Opportunities, Personalized Services, Individualized Training, Career Planning (EPIC)	Work registrants who are unemployed or underemployed with low skills or limited work experience, and those working 30 or more hours per week but needing skill upgrades	33 counties across the State (seven LWIAs)	Urban and rural	Mandatory in 15 counties; voluntary in 18 counties[c]	March 2016	February 2019	5,038
Kansas	Generating Opportunities to Attain Lifelong Success (GOALS)	Work registrants	35 counties organized into 4 regions	Urban and rural	Voluntary	January 2016	March 2019	4,170
Kentucky	Paths 2 Promise (P2P)	Work registrants	8 counties in Eastern Kentucky	Rural	Voluntary	April 2016	April 2019	3,206
Mississippi	Ethics, Discipline, Goals, Employment (EDGE)	New and existing ABAWDs	5 community college districts	Urban and rural	Mandatory	March 2016	February 2019	3,051
Vermont	Jobs for Independence (JFI)	Work registrants with barriers such as homelessness, connections to the correctional system, and substance use	Statewide	Rural	Voluntary	March 2016	December 2018	3,031
Virginia	EleVAte SNAP E&T	Work registrants, including ABAWDs and noncustodial parents	24 localities in the Tidewater, south central, and far southwest areas of Virginia	Urban and rural	Voluntary	March 2016	January 2019	5,027

Table A.1. Overview of pilots *(continued)*

Grantee	Pilot name	Target population	Pilot location	Urban/ rural	Type of State E&T program	Enrollment start date	Pilot services end date	Enrolled in pilot[a]
Washington	Resources to Initiate Successful Employment (RISE)	New work registrants with significant barriers to employment: long-term unemployed, homeless, limited English proficiency, veterans, and noncustodial parents with delinquent payment history	4 counties (King, Pierce, Spokane, and Yakima)	Urban and rural	Voluntary	February 2016	December 2018	5,092

Note: Work registrants are SNAP participants who have not met any Federal exemptions from SNAP work requirements and are therefore required to register for work. Federal exemptions apply to individuals who are younger than 16 or older than 59; physically or mentally unfit for employment; subject to and complying with work requirements for another program; a caretaker of a dependent child younger than 6 or an incapacitated individual; participating in a drug or alcohol treatment and rehabilitation program; employed at least 30 hours a week; or enrolled at least half time in a recognized school or training program.

[a] The number enrolled in the pilot represents the sum of the treatment and control groups and, for most grantees, is evenly split between the two groups.

[b] There were originally 10 counties, but Georgia stopped offering pilot services to new participants in one county after January 2017.

[c] The pilot did not exclusively serve mandatory participants because existing SNAP E&T services were not offered in 18 of 33 counties included in the study. In the remaining 15 counties where existing SNAP E&T program services were offered, participants who had work requirements were mandated to participate in those activities. In Illinois, the largest percentage of the study sample was drawn from the 15 counties where existing SNAP E&T services were available, and hence the majority of study participants from Illinois were mandatory.

ABAWDs = able-bodied adults without dependents; FY = fiscal year; LWIA = local workforce investment area.

Appendix B

Background on SNAP E&T and Work Requirements

SNAP E&T Program Background

The Supplemental Nutrition Assistance Program (SNAP), which served almost 40 million people in Fiscal Year (FY) 2018, is a critical safety net for many families and individuals experiencing difficulties in obtaining adequate nutrition. Although SNAP is focused on providing nutrition assistance, for decades the program also has had Employment and Training (E&T) programs in place to improve the economic self-sufficiency of SNAP participants and reduce their need for SNAP. Congress established the SNAP E&T program through the Food Security Act of 1985. As described in this legislation, the program's purpose is to assist "members of households participating in [SNAP] in gaining skills, training, or experience that will increase their ability to obtain regular employment" (Food Security Act of 1985).

Under current Federal legislation, States are required to administer a SNAP E&T program but have a great deal of flexibility in designing them. The E&T programs must provide at least one of the following activities: (1) job search; (2) job-search training; (3) workfare; (4) work experience (including on-the-job training, apprenticeships, and internships); (5) education programs (including basic education, postsecondary education, occupational skills training, and work readiness training); (6) self-employment training; and (7) job retention services. They also provide individuals with support services such as assistance with the costs of transportation and child care to reduce barriers to participation in E&T program activities or employment. In 2018—the most recent year for which data are available—almost every State provided job search or job-search training to individuals in SNAP E&T, over 70 percent of States provided some type of postsecondary education or occupational skills training, and over half provided work experience to some individuals.[1]

States also determine if the programs will be mandatory for individuals or whether to allow individuals to volunteer to participate. Individuals required by the State to participate in E&T (mandatory participants) are sanctioned for a minimum of one month if they do not participate in assigned activities without good cause, but each State determines the specific sanction policies. Participants in voluntary programs are not sanctioned for noncompliance. In FY 2018, over two-thirds of States administered voluntary programs. The others administered mandatory programs within their State.

Only a small percentage of SNAP participants are expected to participate in SNAP E&T each year. The program generally targets "work registrants," who are individuals not meeting a Federal exemption and who must comply with SNAP work requirements, including registering for work at an appropriate employment office, participating in an employment and training program if assigned by a State agency, and accepting an offer of suitable employment. During the certification and recertification process, SNAP eligibility staff assess whether each individual in the SNAP household meets one of the Federal exemptions, which include individuals who are younger than 16 years old or older than 59, disabled, working 30 hours a week or in another work program, receiving unemployment compensation, caring for an incapacitated adult or a child under age 6, participating in a drug or alcohol treatment program, or students enrolled at least half time in school. The majority of SNAP participants are not work registrants, as over two-thirds are children (44 percent), elderly adults (14 percent), or have a disability (10 percent) (Cronquist 2019). In FY 2018, just under 30 percent of SNAP participants were identified as work registrants.

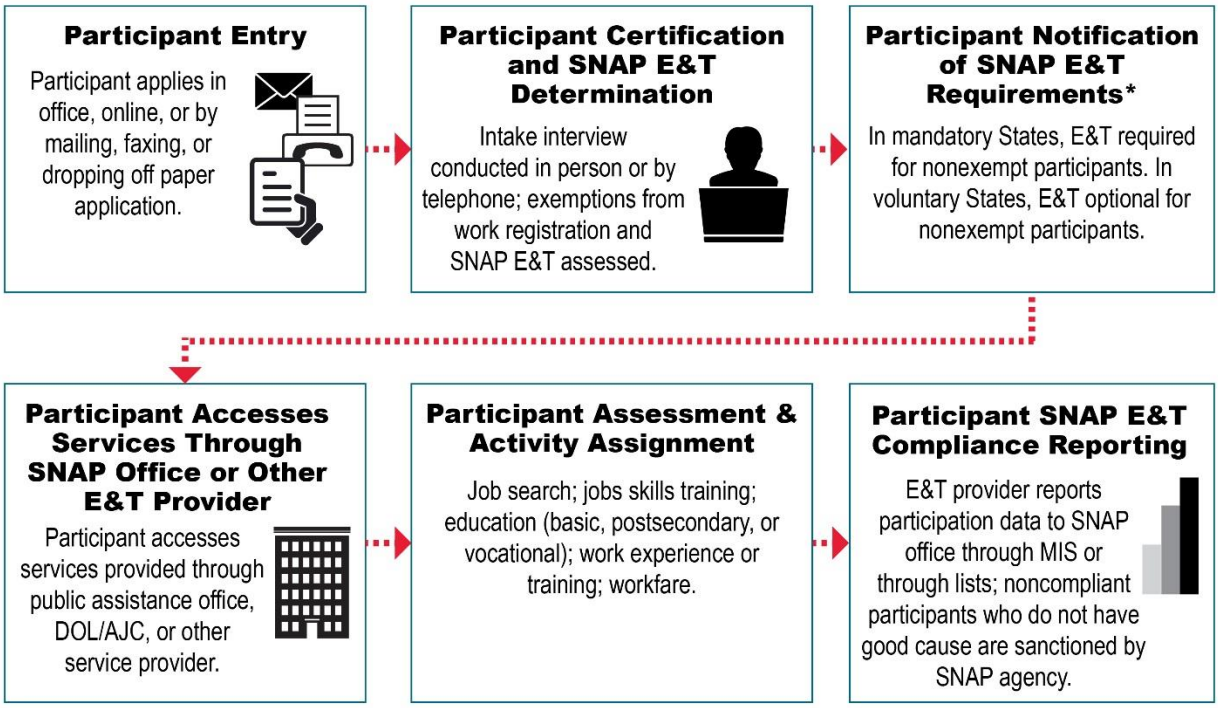
The majority of work registrants were not expected to participate in SNAP E&T programs. In addition to the large number of States with voluntary programs, States may, and often do, exempt additional work

[1]Based on FNS 583 data for FY 2018 provided by FNS.

registrants from E&T due to State-determined criteria, such as lack of available training services or employment in the area, or lack of transportation. Although many SNAP E&T participants are work registrants, some are not, as States also may serve SNAP participants who meet a Federal or State exemption but nevertheless volunteer to participate in E&T. During the certification or recertification interview, States screen for Federal and State exemptions to determine who to refer to the E&T program and may also inform exempt individuals about the E&T program and where to obtain services. In FY 2018, just over 1 percent of SNAP participants took part in a SNAP E&T program nationally.

Depending on the State and types of E&T activities offered, services can be provided directly by public assistance agencies; the Department of Labor (DOL), such as an employment service or an American Job Center (AJC); community colleges; or community-based service providers. Providers often administer assessments to gauge individuals' needs and employment barriers, and then assign activities based on these individualized assessments. Exhibit B.1 illustrates a general overview of how SNAP participants access these services nationally. Note that there is variation in the process and programs across States.

Exhibit B.1. How SNAP offices help SNAP participants access E&T services



*Participants who were exempt from work registration or participation may volunteer for E&T.
AJC = American Job Center; DOL = U.S. Department of Labor; MIS = management information system

The number of hours individuals participate in E&T programs is determined by States and depends on the specific component being offered.[2] However, Federal regulations mandate that a subset of work registrants, able-bodied adults without dependents (ABAWD), must work at least 80 hours per month, participate in a qualifying work or education and training program for at least 80 hours per month, or

[2] States may not mandate more than 120 hours of participation per month. Participants who wish to do so, however, can participate for an unlimited number of additional hours.

comply with a workfare program.[3] Those ABAWDs who do not comply face a 3-month limit on benefit receipt during any 36-month period.[4] States may—but are not required to—use the SNAP E&T program to help ABAWDs meet this work requirement, which often means offering 80 hours of qualifying E&T activities or the required number of workfare hours. Even in States where E&T is voluntary, ABAWDs

[3] ABAWDs are defined as individuals ages 18 to 49 who are not caring for a child or incapacitated household member, not physically or mentally unfit for employment, not pregnant, and not already exempt from SNAP work registration.

[4] States may request a waiver of the time limit for people in areas with an unemployment rate greater than 10 percent or those in areas with insufficient jobs. States also have authority to exempt individuals using the 15 percent exemption authorized by the Balanced Budget Act.

Appendix C

Baseline characteristics

Table C.1. Characteristics of all individuals enrolled in the pilot

Characteristic	Individuals enrolled in the pilot through December 2017	All individuals enrolled in the pilot
Average age (years)	31.5	31.4
Age (%)		
18 to 49	100.0	100.0
18 to 24	30.0	30.6
25 to 49	70.0	69.4
50 to 59	0.0	0.0
Gender (%)		
Male	52.6	52.1
Female	47.4	47.9
Other	0.0	0.0
Race and ethnicity (%)		
Hispanic	1.3	1.0
Asian	0.0	0.1
Black, non-Hispanic	69.5	72.1
Native Hawaiian/Pacific Islander/Native American	0.2	0.2
White, non-Hispanic	28.3	26.0
Other; more than one race	0.7	0.6
Speak English as primary language (%)	99.8	99.8
Education[a] (%)		
Less than high school	30.6	30.7
High school or equivalent	58.3	58.7
Degree	6.1	6.2
Certificate	4.5	3.9
Other	0.5	0.6
Employment status (%)		
Employed at random assignment	5.2	5.2
Employed part time	4.6	4.7
Employed full time	0.6	0.5
Not employed at random assignment but worked in past	83.1	81.8
Short-term unemployed[b]	56.5	55.9
Long-term unemployed[c]	26.6	25.9
Not employed at random assignment and never worked in past	11.8	13.0
Employment experience in the two years before random assignment[d] (%)		
Consistently employed	18.0	18.7
Sometimes employed	37.3	37.4
Never employed	44.7	43.9
Household size (number)	2.1	2.1
Presence of children (%)		
In households with children	3.1	2.6

Table C.1. Characteristics of all individuals enrolled in the pilot *(continued)*

Characteristic	Individuals enrolled in the pilot through December 2017	All individuals enrolled in the pilot
In households without children	96.9	97.4
Married or cohabiting (%)	27.6	21.7
Barriers to employment (%)		
Fewest barriers (employed in past 12 months and high school diploma or equivalent)	47.0	46.2
Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)	38.5	39.3
Most barriers (not employed in past 12 months and no high school diploma or equivalent)	14.5	14.6
ABAWD status (%)		
ABAWD	96.0	96.6
Non-ABAWD	4.0	3.4
Urbanicity[e] (%)		
Metropolitan	32.1	26.2
Micropolitan	47.9	52.7
Rural	20.0	21.1
SNAP participation in the year before random assignment (%)		
0 months	14.8	15.0
1 to 3 months	29.4	31.2
4 to 6 months	14.7	13.9
7 to 9 months	12.1	11.2
10 to 12 months	29.1	28.8
Sample size	**2,208**	**3,041**

Source: SNAP employment and training baseline information registration form (March 2016 through September 2018 data); SNAP employment and training evaluation UI wage records, weighted data; SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Individuals enrolled in the pilot include all ECCS, BCCS, and control group members and control group members who completed a baseline enrollment registration and did not subsequently revoke their consent to participate in the evaluation of the pilot. This table presents the characteristics of all individuals randomly assigned into the pilot and only those assigned through December 2017. The differences in service receipt and impact analyses (Appendix E and F) presented in this report are based on data for only those individuals randomly assigned through December 2017, rather than all individuals enrolled into the pilot through September 2018 (which is used for the participation analysis [Appendix D]). Restricting the data for these analyses provides a longer observation period (up to 36 months) through which to observe differences in service receipt and impacts between research groups.

[a] "High school diploma or equivalent" includes these survey response options: "GED or other high school equivalency," "high school diploma," and "some college, but no degree." "Degree" includes these survey response options: "associates degree," "bachelor's degree or equivalent," "master's degree or higher." "Certificate" includes these survey response options: "Adult Basic Education certificate," "vocational/technical degree or certificate," and "business degree or certificate." "Other" includes credentials listed via a write-in survey response.

[b] "Short-term unemployed" is defined as being unemployed for one year or less at the time of the baseline interview.

[c] "Long-term unemployed" is defined as being unemployed for more than a year at the time of the baseline interview.

[d] Employment experience is defined using UI wage record data for the two years before random assignment. "Consistently employed" includes individuals who were employed for at least 7 out of 8 quarters preceding random assignment. "Sometimes employed" includes individuals who were employed for 2 to 6 quarters preceding random

Table C.1. Characteristics of all individuals enrolled in the pilot *(continued)*

assignment. “Never employed” includes individuals who were employed for at most 1 quarter preceding random assignment.

[e] Metropolitan areas are urbanized areas of 50,000 people or more or areas in which most or many commuters in the area commuted to an urbanized area. Micropolitan areas are large urban clusters of 10,000 to 49,999 or areas in which most commuters in the area commuted to a large urban cluster. Rural areas are small urban clusters of 2,500 to 9,999 people or areas in which most commuters in the area commuted to a small urban cluster; includes areas outside of urbanized areas and urban clusters.

ABAWD = Able bodied adult without dependents

Table C.2. Baseline equivalence across research groups among individuals enrolled through December 2017

Characteristic	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference
Average age (years)	31.4	31.5	31.6	-0.2 (0.5)	-0.1 (0.5)
Age (%)					
18 to 49	100.0	100.0	100.0	0.0 (-)	0.0 (-)
18 to 24	31.7	30.5	27.8	4.0* (2.4)	2.7 (2.4)
25 to 49	68.3	69.5	72.2	-4.0* (2.4)	-2.7 (2.4)
50 to 59	0.0	0.0	0.0	0.0 (-)	0.0 (-)
Gender (%)					
Male	50.2	55.4	52.3	-2.1 (2.6)	3.2 (2.6)
Female	49.8	44.6	47.7	2.1 (2.6)	-3.2 (2.6)
Other	0.0	0.0	0.0	0.0 (-)	0.0 (-)
Race and ethnicity (%)				†††	†††
Hispanic	1.4	1.1	1.4	0.0 (0.6)	-0.3 (0.6)
Asian	0.0	0.0	0.1	-0.1 (0.1)	-0.1 (0.1)
Black, non-Hispanic	69.2	69.2	70.1	-0.9 (2.4)	-0.9 (2.4)
Native Hawaiian/Pacific Islander/Native American	0.1	0.3	0.3	-0.1 (0.2)	0.0 (0.3)
White, non-Hispanic	28.6	28.8	27.4	1.2 (2.3)	1.4 (2.3)
Other; more than one race	0.7	0.7	0.7	0.0 (0.4)	0.0 (0.4)
Speak English as primary language (%)	99.7	99.9	99.7	0.0 (0.3)	0.1 (0.2)
Education[a] (%)				††	
Less than high school	28.0	30.2	33.6	-5.6** (2.4)	-3.3 (2.4)
High school or equivalent	61.3	59.4	54.3	7.1*** (2.6)	5.1** (2.6)
Degree	7.0	5.2	6.1	0.9 (1.3)	-0.9 (1.2)
Certificate	3.4	4.6	5.5	-2.1* (1.1)	-0.8 (1.1)
Other	0.3	0.5	0.5	-0.3 (0.3)	0.0 (0.4)
Employment status (%)					
Employed at random assignment	5.3	4.6	5.6	-0.3 (1.2)	-0.9 (1.1)
Employed part time	4.9	4.1	4.8	0.1 (1.1)	-0.7 (1.1)
Employed full time	0.4	0.5	0.8	-0.4 (0.4)	-0.3 (0.4)
Not employed at random assignment but worked in past	82.6	84.5	82.1	0.6 (2.0)	2.4 (1.9)
Short-term unemployed[b]	58.2	57.0	54.3	3.9 (2.6)	2.7 (2.6)
Long-term unemployed[c]	24.4	27.5	27.8	-3.3 (2.3)	-0.3 (2.3)
Not employed at random assignment and never worked in past	12.1	10.9	12.4	-0.3 (1.7)	-1.5 (1.7)
Employment experience in the two years before random assignment[d] (%)					†
Consistently employed	19.3	18.2	16.6	2.7 (2.0)	1.6 (2.0)
Sometimes employed	36.6	39.7	35.5	1.2 (2.5)	4.2* (2.5)
Never employed	44.1	42.1	47.9	-3.8 (2.6)	-5.8** (2.6)
Household size (number)	2.1	2.1	2.1	0.0 (0.1)	0.0 (0.1)

Table C.2. Baseline equivalence across research groups among individuals enrolled through December 2017 *(continued)*

Characteristic	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference
Presence of children (%)					
In households with children	3.0	3.3	3.1	-0.1 (0.9)	0.1 (0.9)
In households without children	97.0	96.7	96.9	0.1 (0.9)	-0.1 (0.9)
Married or cohabiting (%)	27.6	28.1	27.1	0.5 (2.3)	1.0 (2.3)
Barriers to employment (%)				††	
Fewest barriers (employed in past 12 months and high school diploma or equivalent)	50.0	47.6	43.4	6.6** (2.6)	4.2 (2.6)
Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)	37.5	37.2	40.9	-3.4 (2.5)	-3.7 (2.5)
Most barriers (not employed in past 12 months and no high school diploma or equivalent)	12.5	15.3	15.7	-3.2* (1.8)	-0.5 (1.9)
ABAWD status (%)					
ABAWD	96.2	95.5	96.3	-0.1 (1.0)	-0.8 (1.0)
Non-ABAWD	3.8	4.5	3.7	0.1 (1.0)	0.8 (1.0)
Urbanicity[e] (%)					
Metropolitan	33.0	31.7	31.7	1.3 (2.4)	0.0 (2.4)
Micropolitan	46.3	48.7	48.6	-2.3 (2.6)	0.1 (2.6)
Rural	20.8	19.6	19.7	1.1 (2.1)	-0.1 (2.1)
SNAP participation in the year before random assignment (%)					
0 months	17.1	12.1	15.1	2.0 (1.9)	-3.0* (1.8)
1 to 3 months	28.6	30.0	29.5	-0.9 (2.4)	0.5 (2.4)
4 to 6 months	12.7	16.7	14.5	-1.8 (1.8)	2.2 (1.9)
7 to 9 months	11.8	12.1	12.5	-0.7 (1.7)	-0.4 (1.7)
10 to 12 months	29.7	29.1	28.3	1.4 (2.4)	0.8 (2.4)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training baseline information registration form (March 2016 through December 2017 data); SNAP employment and training evaluation UI wage records, weighted data; SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] "High school diploma or equivalent" includes these survey response options: "GED or other high school equivalency," "high school diploma," and "some college, but no degree." "Degree" includes these survey response options: "associates degree," "bachelor's degree or equivalent," "master's degree or higher." "Certificate" includes these survey response options: "Adult Basic Education certificate," "vocational/technical degree or certificate," and "business degree or certificate." "Other" includes credentials listed via a write-in survey response.

[b] "Short-term unemployed" is defined as being unemployed for one year or less at the time of the baseline interview.

[c] "Long-term unemployed" is defined as being unemployed for more than a year at the time of the baseline interview.

[d] Employment experience is defined using UI wage record data for the two years before random assignment. "Consistently employed" includes individuals who were employed for at least 7 out of 8 quarters preceding random assignment. "Sometimes employed" includes individuals who were employed for 2 to 6 quarters preceding random

Table C.2. Baseline equivalence across research groups among individuals enrolled through December 2017 *(continued)*

assignment. “Never employed” includes individuals who were employed for at most 1 quarter preceding random assignment.

[e] Metropolitan areas are urbanized areas of 50,000 people or more or areas in which most or many commuters in the area commuted to an urbanized area. Micropolitan areas are large urban clusters of 10,000 to 49,999 or areas in which most commuters in the area commuted to a large urban cluster. Rural areas are small urban clusters of 2,500 to 9,999 people or areas in which most commuters in the area commuted to a small urban cluster; includes areas outside of urbanized areas and urban clusters.

ABAWD = Able bodied adult without dependents

***/**/* Difference between treatment and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table C.3. Baseline equivalence across research groups among all individuals enrolled in the pilot

Characteristic	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference
Average age (years)	31.2	31.5	31.6	-0.2 (0.4)	0.1 (0.4)
Age (%)					
18 to 49	100.0	100.0	100.0	0.0 (-)	0.0 (-)
18 to 24	32.0	31.3	27.8	3.6* (2.0)	2.9 (2.0)
25 to 49	68.0	68.7	72.2	-3.6* (2.0)	-2.9 (2.0)
50 to 59	0.0	0.0	0.0	0.0 (-)	0.0 (-)
Gender (%)					
Male	50.5	53.3	52.3	-1.8 (2.2)	1.0 (2.2)
Female	49.5	46.7	47.7	1.8 (2.2)	-1.0 (2.2)
Other	0.0	0.0	0.0	0.0 (-)	0.0 (-)
Race and ethnicity (%)				†††	
Hispanic	1.1	0.8	1.4	0.1 (0.4)	-0.2 (0.4)
Asian	0.0	0.3	0.1	-0.1 (0.1)	0.2 (0.2)
Black, non-Hispanic	72.4	71.2	70.1	-0.2 (2.0)	-1.4 (2.0)
Native Hawaiian/Pacific Islander/Native American	0.1	0.2	0.3	-0.1 (0.2)	0.0 (0.2)
White, non-Hispanic	25.8	26.9	27.4	0.4 (1.9)	1.5 (2.0)
Other; more than one race	0.6	0.6	0.7	-0.1 (0.4)	-0.1 (0.4)
Speak English as primary language (%)	99.8	99.9	99.7	0.0 (0.2)	0.1 (0.2)
Education[a] (%)					
Less than high school	29.2	30.7	33.6	-2.9 (2.0)	-1.5 (2.1)
High school or equivalent	60.0	59.5	54.3	3.3 (2.2)	2.8 (2.2)
Degree	7.0	5.2	6.1	0.6 (1.1)	-1.2 (1.0)
Certificate	3.4	4.0	5.5	-0.8 (0.9)	-0.3 (0.9)
Other	0.4	0.7	0.5	-0.2 (0.3)	0.1 (0.4)
Employment status (%)					
Employed at random assignment	5.3	5.2	5.6	0.1 (1.0)	0.0 (1.0)
Employed part time	4.8	4.7	4.8	0.2 (0.9)	0.1 (0.9)
Employed full time	0.5	0.5	0.8	-0.1 (0.3)	-0.1 (0.3)
Not employed at random assignment but worked in past	81.0	82.9	82.1	-0.4 (1.7)	1.5 (1.7)
Short-term unemployed[b]	55.9	56.4	54.3	0.4 (2.2)	0.9 (2.2)
Long-term unemployed[c]	25.2	26.5	27.8	-0.8 (1.9)	0.5 (2.0)
Not employed at random assignment and never worked in past	13.7	11.9	12.4	0.3 (1.5)	-1.4 (1.5)
Employment experience in the two years before random assignment[d] (%)					††
Consistently employed	19.2	18.8	16.6	1.2 (1.7)	0.8 (1.7)
Sometimes employed	37.9	39.7	35.5	3.3 (2.1)	5.1** (2.1)
Never employed	42.9	41.5	47.9	-4.5** (2.2)	-5.9*** (2.2)
Household size (number)	2.1	2.1	2.1	0.0 (0.1)	0.0 (0.1)
Presence of children (%)					

Table C.3. Baseline equivalence across research groups among all individuals enrolled in the pilot *(continued)*

Characteristic	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference
In households with children	2.7	2.5	3.1	0.3 (0.7)	0.0 (0.7)
In households without children	97.3	97.5	96.9	-0.3 (0.7)	0.0 (0.7)
Married or cohabiting (%)	21.6	22.3	27.1	0.4 (1.8)	1.1 (1.8)
Barriers to employment (%)					
Fewest barriers (employed in past 12 months and high school diploma or equivalent)	46.7	47.0	43.4	1.9 (2.2)	2.1 (2.2)
Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)	40.1	37.7	40.9	0.1 (2.2)	-2.3 (2.2)
Most barriers (not employed in past 12 months and no high school diploma or equivalent)	13.2	15.3	15.7	-2.0 (1.5)	0.1 (1.6)
ABAWD status (%)					
ABAWD	96.3	96.6	96.3	-0.8 (0.8)	-0.4 (0.8)
Non-ABAWD	3.7	3.4	3.7	0.8 (0.8)	0.4 (0.8)
Urbanicity[e] (%)					
Metropolitan	26.6	26.0	31.7	0.6 (2.0)	0.0 (2.0)
Micropolitan	52.2	52.3	48.6	-1.4 (2.2)	-1.3 (2.2)
Rural	21.2	21.7	19.7	0.8 (1.8)	1.3 (1.8)
SNAP participation in the year before random assignment (%)					
0 months	16.3	12.7	15.1	0.4 (1.6)	-3.2** (1.6)
1 to 3 months	30.0	32.3	29.5	-1.2 (2.0)	1.0 (2.1)
4 to 6 months	12.2	15.9	14.5	-1.3 (1.5)	2.4 (1.6)
7 to 9 months	11.0	10.9	12.5	-0.6 (1.4)	-0.7 (1.4)
10 to 12 months	30.4	28.2	28.3	2.7 (2.0)	0.5 (2.0)
Sample size	**1,017**	**1,007**	**1,017**		

Source: SNAP employment and training baseline information registration form (March 2016 through September 2018 data); SNAP employment and training evaluation UI wage records, weighted data; SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] "High school diploma or equivalent" includes these survey response options: "GED or other high school equivalency," "high school diploma," and "some college, but no degree." "Degree" includes these survey response options: "associates degree," "bachelor's degree or equivalent," "master's degree or higher." "Certificate" includes these survey response options: "Adult Basic Education certificate," "vocational/technical degree or certificate," and "business degree or certificate." "Other" includes credentials listed via a write-in survey response.

[b] "Short-term unemployed" is defined as being unemployed for one year or less at the time of the baseline interview.

[c] "Long-term unemployed" is defined as being unemployed for more than a year at the time of the baseline interview.

[d] Employment experience is defined using UI wage record data for the two years before random assignment. "Consistently employed" includes individuals who were employed for at least 7 out of 8 quarters preceding random assignment. "Sometimes employed" includes individuals who were employed for 2 to 6 quarters preceding random assignment. "Never employed" includes individuals who were employed for at most 1 quarter preceding random assignment.

Table C.3. Baseline equivalence across research groups among all individuals enrolled in the pilot *(continued)*

[e] Metropolitan areas are urbanized areas of 50,000 people or more or areas in which most or many commuters in the area commuted to an urbanized area. Micropolitan areas are large urban clusters of 10,000 to 49,999 or areas in which most commuters in the area commuted to a large urban cluster. Rural areas are small urban clusters of 2,500 to 9,999 people or areas in which most commuters in the area commuted to a small urban cluster; includes areas outside of urbanized areas and urban clusters.

ABAWD = Able bodied adult without dependents

***/**/* Difference between treatment and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table C.4. Characteristics of ECCS and BCCS group members who enrolled before and after the halfway point of enrollment, among those enrolled through December 2017

	Among ECCS group members			Among BCCS group members		
	Earlier enrollment (March 2016 to June 2017)	Later enrollment (July 2017 to December 2017)	Difference	Earlier enrollment (March 2016 to June 2017)	Later enrollment (July 2017 to December 2017)	Difference
Average age (years)	31.5	30.9	-0.6 (0.8)	31.3	31.9	0.5 (0.7)
Age (%)						
18 to 49	100.0	100.0	0.0 (-)	100.0	100.0	0.0 (-)
18 to 24	30.4	35.2	4.8 (3.9)	30.9	29.5	-1.3 (3.7)
25 to 49	69.6	64.8	-4.8 (3.9)	69.1	70.5	1.3 (3.7)
50 to 59	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Gender (%)						
Male	50.1	50.5	0.4 (4.1)	55.1	56.2	1.1 (4.0)
Female	49.9	49.5	-0.4 (4.1)	44.9	43.8	-1.1 (4.0)
Other	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Race and ethnicity (%)			†††			†††
Hispanic	1.7	0.5	-1.2^ (0.7)	1.2	0.9	-0.2 (0.8)
Asian	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Black, non-Hispanic	67.6	73.2	5.6 (3.7)	68.6	70.7	2.1 (3.7)
Native Hawaiian/Pacific Islander/Native American	0.0	0.5	0.5 (-)	0.4	0.0	-0.4 (0.3)
White, non-Hispanic	30.1	24.9	-5.2 (3.6)	29.3	27.5	-1.8 (3.6)
Other; more than one race	0.6	0.9	0.4 (0.7)	0.6	0.9	0.4 (0.7)
Speak English as primary language (%)	99.6	100.0	0.4 (0.3)	99.8	100.0	0.2 (0.2)
Education[a] (%)			†††			†††
Less than high school	27.7	28.6	0.8 (3.7)	32.1	25.7	-6.4^ (3.6)
High school or equivalent	61.7	60.5	-1.2 (4.0)	56.3	66.9	10.6^^^ (3.9)
Degree	7.0	7.1	0.1 (2.1)	5.2	5.1	-0.1 (1.8)
Certificate	3.2	3.8	0.6 (1.5)	5.8	1.8	-4.0^^^ (1.4)
Other	0.4	0.0	-0.4 (0.3)	0.6	0.5	-0.1 (0.6)
Employment status (%)						

Table C.4. Characteristics of ECCS and BCCS group members who enrolled before and after the halfway point of enrollment, among those enrolled through December 2017 *(continued)*

	Among ECCS group members			Among BCCS group members		
	Earlier enrollment (March 2016 to June 2017)	Later enrollment (July 2017 to December 2017)	Difference	Earlier enrollment (March 2016 to June 2017)	Later enrollment (July 2017 to December 2017)	Difference
Employed at random assignment	5.5	4.8	-0.7 (1.8)	5.0	3.7	-1.3 (1.6)
Employed part time	4.9	4.8	-0.1 (1.7)	4.6	2.8	-1.8 (1.5)
Employed full time	0.6	0.0	-0.6^ (0.3)	0.4	0.9	0.5 (0.7)
Not employed at random assignment but worked in past	84.1	79.0	-5.1 (3.2)	84.6	84.4	-0.2 (2.9)
Short-term unemployed[b]	60.2	53.3	-6.9^ (4.1)	56.4	58.5	2.1 (4.0)
Long-term unemployed[c]	23.9	25.7	1.8 (3.5)	28.2	25.8	-2.3 (3.6)
Not employed at random assignment and never worked in past	10.4	16.2	5.8^^ (2.9)	10.4	12.0	1.5 (2.6)
Employment experience in the two years before random assignment[d] (%)						
Consistently employed	19.7	18.1	-1.6 (3.2)	16.9	21.3	4.3 (3.2)
Sometimes employed	37.6	34.3	-3.3 (3.9)	39.9	39.2	-0.8 (4.0)
Never employed	42.7	47.6	4.9 (4.1)	43.2	39.6	-3.6 (4.0)
Household size (number)	2.2	2.1	-0.1 (0.1)	2.1	2.1	0.0 (0.1)
Presence of children (%)						
In households with children	3.4	1.9	-1.5 (1.2)	3.3	3.2	-0.1 (1.4)
In households without children	96.6	98.1	1.5 (1.2)	96.7	96.8	0.1 (1.4)
Married or cohabiting (%)	36.8	4.3	-32.6^^^ (2.5)	36.4	8.3	-28.1^^^ (2.8)
Barriers to employment (%)						
Fewest barriers (employed in past 12 months and high school diploma or equivalent)	51.9	45.3	-6.6 (4.1)	46.4	50.3	3.9 (4.0)
Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)	35.9	41.4	5.5 (4.0)	37.1	37.3	0.1 (3.9)

Table C.4. Characteristics of ECCS and BCCS group members who enrolled before and after the halfway point of enrollment, among those enrolled through December 2017 *(continued)*

	Among ECCS group members			Among BCCS group members		
	Earlier enrollment (March 2016 to June 2017)	Later enrollment (July 2017 to December 2017)	Difference	Earlier enrollment (March 2016 to June 2017)	Later enrollment (July 2017 to December 2017)	Difference
Most barriers (not employed in past 12 months and no high school diploma or equivalent)	12.2	13.3	1.1 (2.7)	16.4	12.4	-4.0 (2.8)
ABAWD status (%)						
ABAWD	95.6	97.6	2.0 (1.4)	95.4	95.9	0.5 (1.6)
Non-ABAWD	4.4	2.4	-2.0 (1.4)	4.6	4.1	-0.5 (1.6)
Urbanicity[e] (%)			†††			††
Metropolitan	37.3	22.0	-15.3^^^ (3.5)	34.4	25.2	-9.3^^^ (3.5)
Micropolitan	42.0	57.0	15.0^^^ (4.0)	46.5	54.1	7.6^ (4.0)
Rural	20.7	21.0	0.3 (3.3)	19.1	20.7	1.6 (3.2)
SNAP participation in the year before random assignment (%)			††			†††
0 months	16.9	17.6	0.7 (3.1)	11.9	12.5	0.5 (2.7)
1 to 3 months	25.8	35.7	9.9^^^ (3.8)	26.6	38.2	11.6^^^ (3.8)
4 to 6 months	13.8	10.0	-3.8 (2.6)	17.5	14.7	-2.8 (2.9)
7 to 9 months	13.3	8.1	-5.2^^ (2.4)	14.4	6.4	-8.0^^^ (2.3)
10 to 12 months	30.2	28.6	-1.6 (3.7)	29.5	28.2	-1.4 (3.7)
Sample size	**527**	**210**		**519**	**217**	

Source: SNAP employment and training baseline information registration form (March 2016 to December 2017 data); SNAP employment and training evaluation UI wage records, weighted data; SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] "High school diploma or equivalent" includes these survey response options: "GED or other high school equivalency," "high school diploma," and "some college, but no degree." "Degree" includes these survey response options: "associates degree," "bachelor's degree or equivalent," "master's degree or higher." "Certificate" includes these survey response options: "Adult Basic Education certificate," "vocational/technical degree or certificate," and "business degree or certificate." "Other" includes credentials listed via a write-in survey response.

[b] "Short-term unemployed" is defined as being unemployed for one year or less at the time of the baseline interview.

[c] "Long-term unemployed" is defined as being unemployed for more than a year at the time of the baseline interview.

Table C.4. Characteristics of ECCS and BCCS group members who enrolled before and after the halfway point of enrollment, among those enrolled through December 2017 *(continued)*

[d] Employment experience is defined using UI wage record data for the two years before random assignment. "Consistently employed" includes individuals who were employed for at least 7 out of 8 quarters preceding random assignment. "Sometimes employed" includes individuals who were employed for 2 to 6 quarters preceding random assignment. "Never employed" includes individuals who were employed for at most 1 quarter preceding random assignment.

[e] Metropolitan areas are urbanized areas of 50,000 people or more or areas in which most or many commuters in the area commuted to an urbanized area. Micropolitan areas are large urban clusters of 10,000 to 49,999 or areas in which most commuters in the area commuted to a large urban cluster. Rural areas are small urban clusters of 2,500 to 9,999 people or areas in which most commuters in the area commuted to a small urban cluster; includes areas outside of urbanized areas and urban clusters.

ABAWD = Able bodied adult without dependents

^^^/^^/^ Significantly different from EDGE group members who enrolled before mid-enrollment at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table C.5. Baseline equivalence across research groups among all individuals who enrolled before and after the halfway point of enrollment, among individuals who enrolled through December 2017

	Earlier enrollment (March 2016 to June 2017)						Later enrollment (July 2017 to December 2017)					
	All	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference	All	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference
Average age (years)	31.6	31.5	31.3	31.8	-0.3 (0.6)	-0.5 (0.6)	31.3	30.9	31.9	30.9	0.0 (0.9)	0.9 (0.9)
Age (%)												
18 to 49	100.0	100.0	100.0	100.0	0.0 (-)	0.0 (-)	100.0	100.0	100.0	100.0	0.0 (-)	0.0 (-)
18 to 24	29.2	30.4	30.9	26.3	4.1 (2.8)	4.6 (2.8)	32.0	35.2	29.5	31.4	3.8 (4.6)	-1.9 (4.5)
25 to 49	70.8	69.6	69.1	73.7	-4.1 (2.8)	-4.6 (2.8)	68.0	64.8	70.5	68.6	-3.8 (4.6)	1.9 (4.5)
50 to 59	0.0	0.0	0.0	0.0	0.0 (-)	0.0 (-)	0.0	0.0	0.0	0.0	0.0 (-)	0.0 (-)
Gender (%)												
Male	52.8	50.1	55.1	53.2	-3.2 (3.1)	1.9 (3.1)	52.2	50.5	56.2	49.8	0.7 (4.9)	6.4 (4.8)
Female	47.2	49.9	44.9	46.8	3.2 (3.1)	-1.9 (3.1)	47.8	49.5	43.8	50.2	-0.7 (4.9)	-6.4 (4.8)
Other	0.0	0.0	0.0	0.0	0.0 (-)	0.0 (-)	0.0	0.0	0.0	0.0	0.0 (-)	0.0 (-)
Race and ethnicity (%)					†††						†††	†††
Hispanic	1.5	1.7	1.2	1.5	0.2 (0.8)	-0.4 (0.7)	0.8	0.5	0.9	0.9	-0.5 (0.8)	0.0 (0.9)
Asian	0.0	0.0	0.0	0.0	0.0 (-)	0.0 (-)	0.2	0.0	0.0	0.5	-0.5 (0.5)	-0.5 (0.5)
Black, non-Hispanic	69.2	67.6	68.6	71.4	-3.7 (2.8)	-2.8 (2.8)	70.3	73.2	70.7	67.1	6.1 (4.5)	3.5 (4.5)
Native Hawaiian/Pacific Islander/Native American	0.2	0.0	0.4	0.2	-0.2 (0.2)	0.2 (0.3)	0.3	0.5	0.0	0.5	0.0 (0.7)	-0.5 (0.5)
White, non-Hispanic	28.6	30.1	29.3	26.3	3.8 (2.8)	3.0 (2.8)	27.5	24.9	27.5	30.1	-5.2 (4.3)	-2.6 (4.4)
Other; more than one race	0.6	0.6	0.6	0.6	0.0 (0.5)	0.0 (0.5)	0.9	0.9	0.9	0.9	0.0 (0.9)	0.0 (0.9)
Speak English as primary language (%)	99.7	99.6	99.8	99.6	0.0 (0.4)	0.2 (0.3)	100.0	100.0	100.0	100.0	0.0 (-)	0.0 (-)
Education[a] (%)					††						†††	†††
Less than high school	30.0	27.7	32.1	30.1	-2.3 (2.8)	2.1 (2.9)	32.2	28.6	25.7	42.2	-13.7*** (4.6)	-16.5*** (4.5)

Table C.5. Baseline equivalence across research groups among all individuals who enrolled before and after the halfway point of enrollment, among individuals who enrolled through December 2017 *(continued)*

	Earlier enrollment (March 2016 to June 2017)						Later enrollment (July 2017 to December 2017)					
	All	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference	All	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference
High school or equivalent	58.3	61.7	56.3	56.9	4.8 (3.0)	-0.6 (3.1)	58.5	60.5	66.9	47.9	12.6*** (4.8)	19.0*** (4.7)
Degree	5.9	7.0	5.2	5.6	1.4 (1.5)	-0.3 (1.4)	6.6	7.1	5.1	7.5	-0.4 (2.5)	-2.4 (2.4)
Certificate	5.3	3.2	5.8	6.9	-3.7*** (1.4)	-1.1 (1.5)	2.5	3.8	1.8	1.9	1.9 (1.6)	0.0 (1.3)
Other	0.5	0.4	0.6	0.6	-0.2 (0.4)	0.0 (0.5)	0.3	0.0	0.5	0.5	-0.5 (0.5)	0.0 (0.7)
Employment status (%)												
Employed at random assignment	5.2	5.5	5.0	5.0	0.5 (1.4)	0.0 (1.3)	5.2	4.8	3.7	7.0	-2.3 (2.3)	-3.3 (2.2)
Employed part time	4.6	4.9	4.6	4.2	0.7 (1.3)	0.4 (1.3)	4.5	4.8	2.8	6.1	-1.3 (2.2)	-3.3* (2.0)
Employed full time	0.6	0.6	0.4	0.8	-0.2 (0.5)	-0.4 (0.5)	0.6	0.0	0.9	0.9	-0.9 (0.7)	0.0 (0.9)
Not employed at random assignment but worked in past	84.3	84.1	84.6	84.3	-0.2 (2.3)	0.2 (2.3)	80.0	79.0	84.4	76.5	2.5 (4.0)	7.8** (3.8)
Short-term unemployed[b]	57.4	60.2	56.4	55.6	4.6 (3.1)	0.8 (3.1)	54.4	53.3	58.5	51.2	2.1 (4.9)	7.4 (4.8)
Long-term unemployed[c]	26.9	23.9	28.2	28.7	-4.8* (2.7)	-0.6 (2.8)	25.6	25.7	25.8	25.3	0.3 (4.3)	0.5 (4.2)
Not employed at random assignment and never worked in past	10.5	10.4	10.4	10.7	-0.3 (1.9)	-0.3 (1.9)	14.9	16.2	12.0	16.4	-0.2 (3.6)	-4.5 (3.4)
Employment experience in the two years before random assignment[d] (%)												
Consistently employed	17.9	19.7	16.9	17.0	2.7 (2.4)	-0.1 (2.3)	18.3	18.1	21.3	15.5	2.6 (3.6)	5.7 (3.7)
Sometimes employed	37.6	37.6	39.9	35.4	2.2 (3.0)	4.5 (3.0)	36.4	34.3	39.2	35.6	-1.4 (4.6)	3.5 (4.7)

Table C.5. Baseline equivalence across research groups among all individuals who enrolled before and after the halfway point of enrollment, among individuals who enrolled through December 2017 *(continued)*

	Earlier enrollment (March 2016 to June 2017)						Later enrollment (July 2017 to December 2017)					
	All	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference	All	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference
Never employed	44.5	42.7	43.2	47.6	-4.9 (3.1)	-4.4 (3.1)	45.3	47.6	39.6	48.8	-1.2 (4.9)	-9.2* (4.8)
Household size (number)	2.1	2.2	2.1	2.1	0.0 (0.1)	0.0 (0.1)	2.1	2.1	2.1	2.0	0.0 (0.1)	0.1 (0.1)
Presence of children (%)												
In households with children	3.4	3.4	3.3	3.4	0.0 (1.1)	-0.2 (1.1)	2.5	1.9	3.2	2.4	-0.4 (1.4)	0.9 (1.6)
In households without children	96.6	96.6	96.7	96.6	0.0 (1.1)	0.2 (1.1)	97.5	98.1	96.8	97.6	0.4 (1.4)	-0.9 (1.6)
Married or cohabiting (%)	36.0	36.8	36.4	34.9	2.0 (3.0)	1.5 (3.0)	6.9	4.3	8.3	8.0	-3.7 (2.3)	0.3 (2.6)
Composite barriers (%)												††
Fewest barriers (employed in past 12 months and high school diploma or equivalent)	48.0	51.9	46.4	45.7	6.2** (3.1)	0.7 (3.1)	44.5	45.3	50.3	37.8	7.5 (4.8)	12.6*** (4.8)
Moderate barriers (not employed in past 12 months *or* no high school diploma or equivalent)	37.6	35.9	37.1	39.9	-3.9 (3.0)	-2.7 (3.0)	40.7	41.4	37.3	43.4	-2.0 (4.8)	-6.1 (4.8)
Most barriers (not employed in past 12 months *and* no high school diploma or equivalent)	14.4	12.2	16.4	14.5	-2.3 (2.1)	2.0 (2.2)	14.9	13.3	12.4	18.8	-5.5 (3.6)	-6.4* (3.5)
ABAWD status (%)												
ABAWD	95.6	95.6	95.4	95.8	-0.1 (1.3)	-0.4 (1.3)	97.0	97.6	95.9	97.6	0.0 (1.5)	-1.8 (1.7)
Non-ABAWD	4.4	4.4	4.6	4.2	0.1 (1.3)	0.4 (1.3)	3.0	2.4	4.1	2.4	0.0 (1.5)	1.8 (1.7)

Table C.5. Baseline equivalence across research groups among all individuals who enrolled before and after the halfway point of enrollment, among individuals who enrolled through December 2017 *(continued)*

	Earlier enrollment (March 2016 to June 2017)						Later enrollment (July 2017 to December 2017)					
	All	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference	All	ECCS group	BCCS group	Control group	ECCS / control difference	BCCS / control difference
Urbanicity[e] (%)												
Metropolitan	35.7	37.3	34.4	35.2	2.1 (3.0)	-0.8 (3.0)	23.4	22.0	25.2	23.0	-1.1 (4.1)	2.1 (4.1)
Micropolitan	45.5	42.0	46.5	47.9	-6.0* (3.1)	-1.5 (3.1)	53.8	57.0	54.1	50.2	6.8 (4.9)	3.9 (4.8)
Rural	18.9	20.7	19.1	16.8	3.8 (2.4)	2.2 (2.4)	22.8	21.0	20.7	26.7	-5.7 (4.2)	-6.0 (4.1)
SNAP participation in the year before random assignment (%)												
0 months	14.7	16.9	11.9	15.2	1.7 (2.3)	-3.2 (2.1)	15.0	17.6	12.5	15.0	2.6 (3.6)	-2.6 (3.3)
1 to 3 months	26.6	25.8	26.6	27.6	-1.8 (2.7)	-1.0 (2.8)	36.1	35.7	38.2	34.3	1.5 (4.6)	3.9 (4.6)
4 to 6 months	15.7	13.8	17.5	15.7	-1.9 (2.2)	1.8 (2.3)	12.2	10.0	14.7	11.7	-1.7 (3.0)	3.0 (3.3)
7 to 9 months	13.8	13.3	14.4	13.6	-0.3 (2.1)	0.8 (2.2)	8.1	8.1	6.4	9.9	-1.8 (2.8)	-3.4 (2.6)
10 to 12 months	29.2	30.2	29.5	28.0	2.2 (2.8)	1.6 (2.8)	28.6	28.6	28.2	29.1	-0.5 (4.4)	-0.9 (4.4)
Sample size	**1,568**	**527**	**519**	**522**				**640**	**210**	**217**	**213**	

Source: SNAP employment and training baseline information registration form (March 2016 – December 2017 data); SNAP employment and training evaluation UI wage records, weighted data; SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] "High school diploma or equivalent" includes these survey response options: "GED or other high school equivalency," "high school diploma," and "some college, but no degree." "Degree" includes these survey response options: "associates degree," "bachelor's degree or equivalent," "master's degree or higher." "Certificate" includes these survey response options: "Adult Basic Education certificate," "vocational/technical degree or certificate," and "business degree or certificate." "Other" includes credentials listed via a write-in survey response.

[b] "Short-term unemployed" is defined as being unemployed for one year or less at the time of the baseline interview.

[c] "Long-term unemployed" is defined as being unemployed for more than a year at the time of the baseline interview.

[d] Employment experience is defined using UI wage record data for the two years before random assignment. "Consistently employed" includes individuals who were employed for at least 7 out of 8 quarters preceding random assignment. "Sometimes employed" includes individuals who were employed for 2 to 6 quarters preceding random assignment. "Never employed" includes individuals who were employed for at most 1 quarter preceding random assignment.

[e] Metropolitan areas are urbanized areas of 50,000 people or more or areas in which most or many commuters in the area commuted to an urbanized area. Micropolitan areas are large urban clusters of 10,000 to 49,999 or areas in which most commuters in the area commuted to a large urban cluster. Rural areas are small urban clusters of 2,500 to 9,999 people or areas in which most commuters in the area commuted to a small urban cluster; includes areas outside of urbanized areas and urban clusters.

Table C.5. Baseline equivalence across research groups among all individuals who enrolled before and after the halfway point of enrollment, among individuals who enrolled through December 2017 *(continued)*

ABAWD = Able bodied adult without dependents

***/**/* Difference between treatment and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Appendix D

Participation analysis

I. Main tables

Table D.1. Participation measures, for individuals enrolled in the EDGE groups through December 2017 compared to all individuals enrolled all of the EDGE groups

Service	Individuals enrolled into EDGE (ECCS group) through December 2017	All individuals enrolled into EDGE (ECCS group)	Individuals enrolled into EDGE (BCCS group) through December 2017	All individuals enrolled into EDGE (BCCS group)
Received any services[a] (%)	68.2	68.5	94.7	94.6
Started any employment or training-related activity (%)	66.8	66.9	58.4	57.5
EDGE class	59.4	60.6	0.0	0.0
Occupational skills training	24.6	24.4	28.9	26.9
Work-based learning	15.3	15.9	12.5	13.0
Job search	13.7	12.2	14.5	12.5
Basic education	10.9	9.9	16.7	16.0
Life skills	9.5	9.4	13.5	15.5
Workfare	6.1	5.1	4.1	3.4
Postsecondary education	2.0	1.7	2.4	2.0
Completed any employment or training-related activity (%)	48.8	49.3	32.3	30.7
EDGE class	46.4	46.3	0.0	0.0
Occupational skills training	15.1	15.1	17.1	16.1
Work-based learning	10.3	11.2	8.3	8.2
Job search	8.1	7.4	9.4	7.7
Basic education	3.5	3.0	4.6	4.4
Life skills	6.6	6.4	8.3	8.7
Workfare	1.4	1.3	1.4	1.0
Postsecondary education	1.4	1.0	1.0	0.8
Any contact with case manager (%)	67.3	69.5	76.6	75.8
Received any support service (%)	87.5	89.9	82.5	84.7
Exited the pilot (%)				
Exited without receiving any services	31.5	30.7	9.8	8.7
Exited after receiving any service but did not participate in an employment or training activity	1.4	1.3	37.0	38.0
Sample Size	**737**	**1,015**	**736**	**1,006**

Source: SNAP employment and training evaluation administrative service use data.

Note: This table assesses whether there are differences in the participation experiences of all EDGE group members randomly assigned and only those assigned through December 2017. The contrast and impact analyses (Appendix E and F) presented in this report are based on data for only those individuals randomly assigned through December 2017, rather than all individuals enrolled into the pilot through September 2018 (which is used for the participation analysis). Restricting the data for these analyses provides a longer observation period (up to 36 months) through which to observe differences between research groups in service receipt and outcomes.

Table D.4. Overall participation in EDGE and by type of activity, by timing of enrollment *(continued)*

[a] "Received any services" measures engagement in activities, including assessments, developing an individual career plan (ICP), and employment or training-related activities; the measure does not include orientations, case management, and support services because individuals often engaged once to meet with a case manager or get a support service, but then did not return for more meaningful activities and services.

Table D.2. The length of time EDGE group members could potentially spend in the pilot based on when they enrolled and how long they actually spent in services

Time period	Percentage of individuals (ECCS) who could potentially participate	Percentage of individuals (ECCS) who participated	Percentage of individuals (BCCS) who could potentially participate	Percentage of individuals (BCCS) who participated
For 12 months	77.5	8.3	77.7	9.7
For 18 months	60.4	2.9	60.6	3.1
For 24 months	35.3	0.9	34.9	0.8
For 30 months	17.8	0.4	17.9	0.2
Sample size	**1,015**	**1,015**	**1,006**	**1,006**

Source: SNAP employment and training evaluation administrative service use data.

Table D.3. Overall participation in EDGE and by type of activities

Service	ECCS group	BCCS group
Received any services[a] (%)	68.5	94.6
Assessed (%)	57.8	94.5
Developed an individual career plan (ICP) (%)	46.4	94.3
Started any employment or training-related activity (%)	66.9	57.5
EDGE class	60.6	0.0
Occupational skills training	24.4	26.9
Work-based learning	15.9	13.0
Job search	12.2	12.5
Basic education	9.9	16.0
Life skills	9.4	15.5
Workfare	5.1	3.4
Postsecondary education	1.7	2.0
Completed any employment or training-related activity (%)	49.3	30.7
EDGE class	46.3	0.0
Occupational skills training	15.1	16.1
Work-based learning	11.2	8.2
Job search	7.4	7.7
Basic education	3.0	4.4
Life skills	6.4	8.7
Workfare	1.3	1.0
Postsecondary education	1.0	0.8
Completed activity, among those who started an activity (%)	73.6	53.5
EDGE class	76.4	--
Occupational skills training	61.7	59.8
Work-based learning	70.8	62.6
Job search	60.5	61.1
Basic education	30.0	27.3
Life skills	68.4	56.4
Workfare	25.0	29.4
Postsecondary education	58.8	40.0
Sample size	**1,015**	**1,006**

Source: SNAP employment and training evaluation administrative service use data.

Note: Hyphens indicate that the relevant statistic is undefined because no one started the activity. EDGE class was not available to BCCS group.

[a] "Received any services" measures engagement in activities, including assessments, developing an individual career plan (ICP), and employment or training-related activities; the measure does not include orientations, case management, and support services because individuals often engaged once to meet with a case manager or get a support service, but then did not return for more meaningful activities and services.

Table D.4. Overall participation in EDGE and by type of activity, by timing of enrollment

Service	ECCS group members			BCCS group members		
	Earlier enrollment	Later enrollment	Difference	Earlier enrollment	Later enrollment	Difference
Started any employment or training-related activity (%)	65.5	68.4	-3.0 (3.0)	57.8	57.1	0.7 (3.1)
EDGE class	58.1	63.3	-5.3^ (3.1)	0.0	0.0	0.0 (-)
Occupational skills training	23.5	25.4	-1.9 (2.7)	28.1	25.7	2.5 (2.8)
Work-based learning	15.6	16.2	-0.6 (2.3)	11.0	15.2	-4.2^^ (2.1)
Job search	13.3	11.1	2.2 (2.1)	16.6	8.2	8.4^^^ (2.1)
Basic education	11.6	8.0	3.6^ (1.9)	18.1	13.8	4.4^ (2.3)
Life skills	5.7	13.3	-7.6^^^ (1.8)	12.3	18.9	-6.6^^^ (2.3)
Workfare	7.6	2.5	5.1^^^ (1.4)	4.6	2.1	2.6^^ (1.1)
Postsecondary education	2.7	0.6	2.0^^^ (0.8)	2.9	1.0	1.9^^ (0.9)
Completed any employment or training-related activity (%)	47.8	50.8	-3.0 (3.1)	32.9	28.3	4.6 (2.9)
EDGE class	44.8	48.0	-3.2 (3.1)	0.0	0.0	0.0 (-)
Occupational skills training	15.0	15.2	-0.2 (2.2)	17.3	14.8	2.6 (2.3)
Work-based learning	10.8	11.7	-0.9 (2.0)	7.9	8.4	-0.5 (1.7)
Job search	7.2	7.6	-0.4 (1.6)	11.2	3.9	7.3^^^ (1.6)
Basic education	4.4	1.4	2.9^^^ (1.0)	5.0	3.7	1.3 (1.3)
Life skills	3.8	9.2	-5.4^^^ (1.6)	7.9	9.7	-1.8 (1.8)
Workfare	1.9	0.6	1.3^ (0.7)	1.5	0.4	1.1^ (0.6)
Postsecondary education	1.7	0.2	1.5^^ (0.6)	1.0	0.6	0.3 (0.6)
Completed any employment or training-related activity, among those who started an activity (%)	73.0	74.3	-1.2 (3.4)	57.0	49.6	7.4^ (4.1)
EDGE class	77.1	75.7	1.4 (3.4)	--	--	--
Occupational skills training	63.7	59.7	4.0 (6.2)	61.6	57.6	4.0 (6.0)
Work-based learning	69.5	72.2	-2.6 (7.2)	71.9	55.4	16.5^^ (8.3)
Job search	54.3	68.5	-14.2 (8.7)	67.4	47.5	19.9^^ (9.4)
Basic education	37.7	17.9	19.8^^ (8.8)	27.7	26.9	0.8 (7.1)
Life skills	66.7	69.2	-2.6 (10.4)	64.1	51.1	13.0 (8.0)
Workfare	25.0	25.0	0.0 (14.4)	33.3	20.0	13.3 (16.1)
Postsecondary education	64.3	33.3	31.0 (31.0)	33.3	60.0	-26.7 (25.7)
Any contact with case manager (%)	65.3	74.0^^^	-8.7^^^ (2.9)	76.9	74.7	2.1 (2.7)
Received any support service (%)	83.9	96.3^^^	-12.4^^^ (1.8)	77.5	92.4^^^	-14.9^^^ (2.2)

Table D.4. Overall participation in EDGE and by type of activity, by timing of enrollment *(continued)*

	ECCS group members			BCCS group members		
Service	**Earlier enrollment**	**Later enrollment**	**Difference**	**Earlier enrollment**	**Later enrollment**	**Difference**
Exited after receiving any service but did not participate in an employment or training-related activity (%)	1.7	0.8	0.9 (0.7)	35.6	40.5	-4.8 (3.1)
Sample Size	**527**	**488**		**519**	**487**	

Source: SNAP employment and training evaluation administrative service use data.

Note: The table compares participation rates for those who were enrolled before versus after the halfway point of enrollment into EDGE (July 2017). "Earlier enrollment" refers to individuals enrolled before that point (March 2016-June 2017), and "later enrollment" refers to individuals enrolled during and after that point (July 2017-September 2018). Hyphens indicate that the relevant statistic is undefined because no one started the activity. Standard errors in parentheses.

^^^/^^/^ Significantly different from the earlier enrollment group at the 0.01/0.05/0.10 level, two-tailed test.

Table D.5. Timing of receipt of services

Timing	ECCS group	BCCS group
Number of different types of activities started (%)		
0	33.1	42.5
1	24.9	33.7
2	20.6	15.5
3	12.4	6.2
4 or more	9.0	2.1
Activities started first, among those who started at least one activity (%)		
EDGE class	78.5	0.0
Workfare	6.9	5.0
Job search	6.2	13.0
Life skills	3.2	19.2
Occupational skills training	2.5	28.7
Basic education	1.9	22.3
Work-based learning	0.6	10.7
Postsecondary education	0.1	1.0
Activities started, among those starting only one activity (%)		
EDGE class	76.3	0.0
Workfare	9.9	5.3
Job search	7.1	8.6
Occupational skills training	2.8	34.8
Basic education	2.0	25.7
Life skills	1.6	12.4
Postsecondary education	0.4	1.5
Work-based learning	0.0	11.8
Three most frequent combinations of activities in the order started, among those who started more than one activity (%)		
ECCS		
EDGE class and occupational skills training	20.2	--
EDGE class and basic education	8.7	--
EDGE class and work-based learning	8.7	--
BCCS		
Life skills and occupational skills training	--	6.7
Life skills and work-based learning	--	6.3
Basic education and work-based learning	--	5.4
Average time between starting each activity in the most frequent combinations, among those who started more than one (days)		
ECCS		
EDGE class and occupational skills training	83.0	--
EDGE class and basic education	61.3	--
EDGE class and work-based learning	71.5	--
BCCS		
Life skills and occupational skills training	--	64.7
Life skills and work-based learning	--	44.6

Table D.5. Timing of receipt of services *(continued)*

Timing	ECCS group	BCCS group
Basic education and work-based learning	--	117.8
Mean length of time engaged in EDGE (days)	154.4	161.4
Length of time active in EDGE, among those who received any service (days)		
Mean	193.1	167.1
25th percentile	78.0	66.5
50th percentile (median)	157.0	111.5
75th percentile	255.0	220.0
Mean length of time in an activity, among those who started it (days)		
Post-secondary education	281.7	159.2
Basic education	133.4	133.6
Job search	119.7	137.0
Work-based learning	105.6	116.0
Occupational skills training	105.3	115.6
Life skills	75.8	86.7
Workfare	45.5	60.0
EDGE class	29.1	--
Sample size	**1,015**	**1,006**

Source: SNAP employment and training evaluation administrative service use data.

Note: Hyphens indicate that the relevant statistic is undefined because no one started the activity.

Table D.6a. Timing of when EDGE (ECCS) group members first participated in services and activities, by quarter after random assignment

	During the quarter												
	All ECCS group members	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Received any services[a] (%)	68.5	65.8	1.0	0.5	0.4	0.5	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Assessed (%)	57.8	55.6	0.5	0.5	0.4	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Developed an individual career plan (%)	46.4	43.6	0.8	0.4	0.7	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0
Started any employment or training-related activity (%)	66.9	63.9	1.0	0.5	0.4	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Completed any employment or training-related activity (%)	49.3	45.3	1.3	0.8	0.9	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0
Received an occupational skills training credential or certification (%)	14.0	1.8	4.2	4.2	1.8	1.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0
First contact (%)	69.5	64.7	1.4	0.6	0.4	0.8	0.7	0.3	0.4	0.2	0.0	0.0	0.0
Average number of contacts per person during EDGE, among those with a contact (#)	5.6	3.4	2.9	2.9	3.1	2.4	1.7	1.9	1.9	2.2	3.0	--	--
Received any support service (%)	89.9	88.8	0.3	0.3	0.0	0.2	0.0	0.1	0.0	0.2	0.0	0.0	0.0
Sample size	**1,015**												

Source: SNAP employment and training evaluation administrative service use data.

Note: Hyphens indicate that the relevant statistic is undefined because no one received the service.

[a] "Received any services" measures engagement in activities, including assessments, developing an individual career plan (ICP), and employment or training-related activities; the measure does not include orientations, case management, and support services because individuals often engaged once to meet with a case manager or get a support service, but then did not return for more meaningful activities and services.

Table D.6b. Timing of when EDGE (BCCS) group members first participated in services and activities, by quarter after random assignment

	During the quarter												
	All BCCS group members	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Received any services[a] (%)	94.6	91.2	0.4	0.2	0.0	0.1	0.1	0.2	0.1	0.3	0.2	1.9	0.0
Assessed (%)	24.5	17.2	2.2	1.0	1.0	1.0	1.0	0.3	0.5	0.1	0.2	0.0	0.0
Developed an individual career plan (%)	94.3	90.9	0.4	0.2	0.0	0.1	0.1	0.2	0.1	0.3	0.2	1.9	0.0
Started any employment or training-related activity (%)	57.5	50.4	3.4	1.5	0.6	0.7	0.4	0.2	0.1	0.1	0.0	0.1	0.0
Completed any employment or training-related activity (%)	30.7	12.7	10.7	2.8	1.9	0.8	0.7	0.6	0.2	0.2	0.1	0.0	0.0
Received an occupational skills training credential or certification (%)	15.7	3.6	7.3	2.1	1.3	0.4	0.7	0.2	0.1	0.1	0.0	0.0	0.0
First contact (%)	75.8	72.7	1.7	0.4	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.0	0.0
Average number of contacts per person during EDGE, among those with a contact (#)	5.9	3.9	3.0	2.2	2.2	2.2	2.5	2.0	1.5	1.7	2.3	--	2.0
Received any support service (%)	84.7	82.1	1.6	0.3	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
Sample size	**1,006**												

Source: SNAP employment and training evaluation administrative service use data.

Note: Hyphens indicate that the relevant statistic is undefined because no one received the service.

[a] "Received any services" measures engagement in activities, including assessments, developing an individual career plan (ICP), and employment or training-related activities; the measure does not include orientations, case management, and support services because individuals often engaged once to meet with a case manager or get a support service, but then did not return for more meaningful activities and services.

Table D.7. Participation, completion, and length of engagement by type of occupational skills training, education, and work-based learning activity

Type of service	ECCS group	BCCS group
Started any occupational skills training, education, or work-based learning activity (%)	38.4	46.9
Completed any occupational skills training, education, or work-based learning activity (%)	24.4	24.2
Completed any occupational skills training, education, or work-based learning activity, among those who started (%)	63.6	51.5
Occupational skills training		
Top five occupational skills trainings started (%)		
Welding	5.5	7.9
Certified nursing assistant	4.2	2.8
Phlebotomy	2.2	1.7
Manufacturing	1.6	1.7
Commercial driver's license	1.3	1.7
Top five occupational skills trainings completed (%)		
Certified nursing assistant	2.8	1.9
Welding	2.4	3.9
Phlebotomy	1.3	0.8
Commercial driver's license	0.9	1.0
Manufacturing	0.8	1.6
Top five occupational skills trainings completed, among those who started (%)		
Commercial driver's license	69.2	58.8
Certified nursing assistant	65.1	67.9
Phlebotomy	59.1	47.1
Manufacturing	50.0	94.1
Welding	42.9	49.4
Received an occupational skills training credential or certification (%)	14.0	15.7
Type of occupational skills training credential received, among those who received one (top 5 credentials) (%)		
Welding	15.5	22.2
Certified nursing assistant	14.1	10.1
Phlebotomy	9.2	5.1
Manufacturing	5.6	10.1
Commercial driver's license	4.9	4.4
Education		
Started GED class (%)	9.1	12.8
Completed GED class (%)	2.5	2.2
Completed GED class, among those who started (%)	27.2	17.1
Received an education degree or certificate (%)	2.0	1.4
Type of education degree or certificate received, among those who received one (top 5 degrees) (%)		
GED	90.0	78.6
Associate's degree	15.0	14.3
Adult Basic Education Smart Start	1.4	4.4

Table D.7. Participation, completion, and length of engagement by type of occupational skills training, education, and work-based learning activity *(continued)*

Type of service	ECCS group	BCCS group
Bachelor's degree	0.0	7.1
Work-based learning		
Started work-based learning (%)	15.9	13.0
Type of work-based learning, among those who started (%)		
Subsidized employment	90.7	90.1
Internship	8.1	7.6
On-the-job training	5.6	3.8
Completed work-based learning (%)	11.2	8.2
Completed work-based learning, among those who started (%)	70.8	62.6
Total average hourly subsidy per person, among those who started ($)	8.50	8.50
Sample size	**1,015**	**1,006**

Source: SNAP employment and training evaluation administrative service use data.

GED = General Education Development

Table D.8. Receipt of support services

Support services	ECCS group	BCCS group
Received any support service (%)	89.9	84.7
Received support service, by type (%)		
Transportation	89.8	83.9
Training or work support	18.9	9.3
Work items (uniforms, boots, clothes, or tools)	14.6	13.6
Received support service, by type, among those who received a support (%)		
Transportation	99.9	99.1
Training or work support	21.1	11.0
Work items (uniforms, boots, clothes, or tools)	16.2	16.1
Average number of months of support service receipt, among those who received a support service (months)	3.1	2.8
Transportation	2.9	2.6
Work items (uniforms, boots, clothes, or tools)	1.4	1.4
Training or work support	0.3	0.1
Total amount of support services paid per person, among those who received a support ($)		
Mean	533	291
25th percentile	50	50
50th percentile (median)	280	78
75th percentile	519	253
Average amounts of support services paid per person, by type, among those who received a support ($)		
Training or work support	974	841
Transportation	305	178
Work items (uniforms, boots, clothes, or tools)	142	136
Mean length of time engaged in EDGE, among those who received a support service (days)	162.2	171.3
Mean length of time engaged in EDGE, among those who did not receive a support service (days)	85.8	106.7
Support service receipt by participation in employment or training-related activities		
Started an employment or training-related activity	66.9	57.5
Received support services	97.5	93.3
Did not receive support services	2.5	6.7
Completed an employment or training-related activity, among those who started	73.6	53.5
Received support services	99.4	95.8
Did not receive support services	0.6	4.2
Did not start an employment or training-related activity	33.1	42.5
Received support services	74.4	73.1
Did not receive support services	25.6	26.9
Average amounts of support services paid per person, among those who received a support ($)	533	291
Started an employment or training-related activity	713	410
Completed an employment or training-related activity, among those who started	882	605
Sample size	**1,015**	**1,006**

Table D.8. Receipt of support services *(continued)*

Source: SNAP employment and training evaluation administrative service use data.

Table D.9. Receipt of case management contacts

Type of service	ECCS group	BCCS group
Any contact (%)	69.5	75.8
Average number of contacts per person (#)	3.9	4.5
Average number of contacts per person, among those with a contact (#)	5.6	5.9
Average total time in case management contact, among those with a contact (minutes)[a]	151.3	186.4
Among contacts, type of contact (%)		
In person	49.4	56.5
Telephone	44.0	37.4
Electronic (email, text, social media)	4.8	4.2
Other	1.8	1.9
Average number of contacts per person per month, among those with a contact (#)	1.6	1.7
Average number of contacts per person per month, by type, among those with a contact (#)		
In person	0.6	0.8
Telephone	0.8	0.8
Electronic (email, text, social media)	0.1	0.1
Other	0.0	0.0
Sample size	**1,015**	**1,006**

Source: SNAP employment and training evaluation administrative service use data.

Note: Data in this table represents all contacts that case managers documented between themselves and individuals in EDGE. In some cases, this could include contact that was not direct communication (such as mailing documents to an individual), but even this is likely a needed service that helps the individual. We did exclude contacts, such as leaving a phone message or sending mass mailings, where applicable.

[a] The number of minutes represents the total amount of time each individual was in contact with their case manager among all contacts, averaged across all individuals who had a contact.

Table D.10. Extent and timing of EDGE exits

Exits	ECCS group	BCCS group
Timing of exit (%)		
In Quarter 1 after random assignment	52.8	51.0
In Quarter 2 after random assignment	21.0	22.4
In Quarter 3 after random assignment	13.7	12.4
In Quarter 4 after random assignment	6.3	6.8
In Quarter 5 after random assignment	2.1	3.7
In Quarter 6 after random assignment	1.8	1.6
In Quarter 7 after random assignment	0.7	1.0
In Quarter 8 after random assignment	0.9	0.6
In Quarter 9 after random assignment	0.2	0.4
In Quarter 10 after random assignment	0.3	0.0
In Quarter 11 after random assignment	0.2	0.1
In Quarter 12 after random assignment	0.1	0.1
Exited SNAP in the month before, in the month of, or in the month after the month of exit from pilot (%)	54.2	51.3
Re-entered EDGE after an exit (%)	15.0	15.6
Exits in relation to other measures		
Exited after participating in an employment or training-related activity (%)	68.0	53.3
Employment status around time of exit (%)		
Became employed in the period between two months before or two months after the month of exit from pilot	26.2	19.9
Did not become employed around pilot exit	32.3	43.8
Already employed	41.5	36.3
Exited pilot within 3 months by receipt of support services (%)		
Exited pilot within 3 months and received a support service	84.8	80.0
Exited pilot within 3 months without receiving a support service	15.2	20.0
Exited pilot within 12 months by receipt of support services (%)		
Exited pilot within 12 months and received a support service	89.5	83.8
Exited pilot within 12 months without receiving a support service	10.5	16.2
Sample size	**1,015**	**1,006**

Source: SNAP employment and training evaluation administrative service use data.

Table D.11a. Characteristics of ECCS group members, by exit status

Characteristics	All individuals	Exited in the first 3 months	Exited after the first 3 months	Difference
Total exits (%)	100.0	53.2	46.8	
Age (%)				
18 to 49	99.7	99.8	99.6	0.2 (0.4)
18 to 24	31.6	34.1	28.8*	5.2* (2.9)
25 to 49	68.1	65.7	70.7*	-5.0* (2.9)
50 to 59	0.0	0.0	0.0	0.0 (-)
60 years and older	0.0	0.0	0.0	0.0 (-)
Gender (%)			††	
Male	50.5	54.1	46.5**	7.5** (3.1)
Female	49.5	45.9	53.5**	-7.5** (3.1)
Other	0.0	0.0	0.0	0.0 (-)
Race and Ethnicity (%)				
Hispanic	1.1	1.3	0.8	0.5 (0.6)
Asian	0.1	0.0	0.2	-0.2 (0.2)
Black, non-Hispanic	72.9	73.7	72.0	1.7 (2.8)
Native Hawaiian/Pacific Islander/Native American	0.0	0.0	0.0	0.0 (-)
White, non-Hispanic	26.6	26.1	27.2	-1.0 (2.8)
Other; more than one race	0.4	0.6	0.2	0.3 (0.4)
Education (%)				
No high school diploma or equivalent	29.3	30.9	27.4	3.6 (2.9)
High school diploma or equivalent	60.0	58.9	61.3	-2.4 (3.1)
Degree	7.0	5.7	8.4*	-2.7* (1.6)
Certificate	3.3	3.9	2.7	1.2 (1.1)
Other	0.4	0.6	0.2	0.3 (0.4)
Employment Status (%)				
Employed at random assignment	6.1	6.5	5.6	0.9 (1.6)
Employed part time	90.6	90.0	91.3	-1.3 (8.1)
Employed full time	9.4	10.0	8.7	1.3 (8.1)
Not employed at random assignment but worked in past[a]	81.1	80.2	82.1	-1.9 (2.5)
Short-term unemployed	68.8	70.4	66.9	3.5 (3.2)
Long-term unemployed	31.1	29.6	32.8	-3.3 (3.2)
Not employed at random assignment and never worked in past	13.7	14.3	13.1	1.2 (2.2)
Presence of children (%)				
In households with children	2.8	2.4	3.2	-0.8 (1.0)
In households without children	97.2	97.6	96.8	0.8 (1.0)
Sample size	**1,015**	**540**	**475**	

Source: SNAP employment and training evaluation administrative service use data.

[a] Short-term unemployment measures unemployment that lasted at most 12 months. Long-term unemployment measures unemployment that lasted for more than 12 months.

Table D.11a. Characteristics of ECCS group members, by exit status *(continued)*

***/**/* Difference between those who exited within 3 months and those who exited after 3 months significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across groups defined by individual characteristics significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table D.11b. Characteristics of BCCS group members, by exit status

Characteristics	All individuals	Exited in the first 3 months	Exited after the first 3 months	Difference
Total exits (%)	100.0	51.6	48.4	
Age (%)				
18 to 49	100.0	100.0	100.0	0.0 (-)
18 to 24	31.3	32.0	30.6	1.4 (2.9)
25 to 49	68.7	68.0	69.4	-1.4 (2.9)
50 to 59	0.0	0.0	0.0	0.0 (-)
60 years and older	0.0	0.0	0.0	0.0 (-)
Gender (%)				
Male	53.3	53.8	52.8	1.0 (3.1)
Female	46.7	46.2	47.2	-1.0 (3.1)
Other	0.0	0.0	0.0	0.0 (-)
Race and Ethnicity (%)			†	
Hispanic	0.8	1.0	0.6	0.3 (0.6)
Asian	0.3	0.4	0.2	0.2 (0.3)
Black, non-Hispanic	71.5	68.8	74.3*	-5.5* (2.8)
Native Hawaiian/Pacific Islander/Native American	0.2	0.2	0.2	0.0 (0.3)
White, non-Hispanic	27.4	29.5	25.3	4.2 (2.8)
Other, multiple races	0.5	1.0	0.0	1.0 (-)
Education (%)				
No high school diploma or equivalent	30.6	32.8	28.3	4.4 (2.9)
High school diploma or equivalent	59.5	59.2	60.0	-0.8 (3.1)
Degree	5.2	4.6	5.7	-1.1 (1.4)
Certificate	4.0	2.9	5.1*	-2.2* (1.2)
Other	0.7	0.6	0.8	-0.2 (0.5)
Employment Status (%)				
Employed at random assignment	5.9	6.3	5.5	0.8 (1.6)
Employed part time	90.4	89.7	91.3	-1.6 (8.2)
Employed full time	9.6	10.3	8.7	1.6 (8.2)
Not employed at random assignment but worked in past[a]	82.9	83.8	81.9	1.9 (2.4)
Short-term unemployed	67.6	69.0	66.2	2.8 (3.2)
Long-term unemployed	32.0	30.6	33.6	-3.0 (3.2)
Not employed at random assignment and never worked in past	11.9	10.6	13.3	-2.7 (2.1)
Presence of children (%)				
In households with children	2.5	1.5	3.5**	-1.9** (1.0)
In households without children	97.5	98.5	96.5**	1.9** (1.0)
Sample size	**1,006**	**519**	**487**	

Source: SNAP employment and training evaluation administrative service use data.

Note: Standard errors in parentheses.

[a] Short-term unemployment measures unemployment that lasted at most 12 months. Long-term unemployment measures unemployment that lasted for more than 12 months.

Table D.11b. Characteristics of BCCS group members, by exit status *(continued)*

***/**/* Difference between those who exited within 3 months and those who exited after 3 months significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across groups defined by individual characteristics significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table D.12a. Characteristics of ECCS group members by engagement status and assessment status

Characteristics	All ECCS group members	Received any service[a]			Assessment		
		Received	Did not receive	Difference	Assessed	Not assessed	Difference
Total participation	100.0	68.5	31.5		57.8	42.2	
Age (%)							
18 to 49	99.7	99.7	99.7	0.0 (0.4)	99.7	99.8	-0.1 (0.3)
18 to 24	31.6	30.9	33.1	-2.2 (3.2)	31.2	32.2	-1.1 (3.0)
25 to 49	68.1	68.8	66.6	2.2 (3.2)	68.5	67.5	1.0 (3.0)
50 to 59	0.0	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
60 years and older	0.0	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Gender (%)			†††			†††	
Male	50.5	47.1	58.1***	-11.1*** (3.3)	46.0	56.8***	-10.8*** (3.2)
Female	49.5	52.9	41.9***	11.1*** (3.3)	54.0	43.2***	10.8*** (3.2)
Other	0.0	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Race and Ethnicity (%)							
Hispanic	1.1	0.6	2.2*	-1.6* (0.9)	0.7	1.6	-1.0 (0.7)
Asian	0.1	0.1	0.0	0.1 (-)	0.0	0.2	-0.2 (0.2)
Black, non-Hispanic	72.9	73.1	72.5	0.6 (3.0)	74.4	70.8	3.7 (2.8)
Native Hawaiian/Pacific Islander/Native American	0.0	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
White, non-Hispanic	26.6	26.2	27.5	-1.3 (3.0)	25.2	28.5	-3.3 (2.8)
Other; more than one race	0.4	0.4	0.3	0.1 (0.4)	0.3	0.5	-0.1 (0.4)
Education (%)			†				
No high school diploma or equivalent	29.3	27.6	32.8*	-5.2* (3.1)	26.7	32.7**	-6.0** (2.9)
High school diploma or equivalent	60.0	60.3	59.4	0.9 (3.3)	61.8	57.5	4.4 (3.1)
Degree	7.0	8.2	4.4**	3.8** (1.5)	8.0	5.6	2.4 (1.6)
Certificate	3.3	3.3	3.4	-0.1 (1.2)	2.9	4.0	-1.1 (1.2)
Other	0.4	0.6	0.0	0.6 (-)	0.5	0.2	0.3 (0.4)
Employment Status (%)							
Employed at random assignment	6.1	5.8	6.6	-0.8 (1.8)	6.1	6.0	0.1 (1.6)

Table D.12a. Characteristics of ECCS group members by engagement status and assessment status *(continued)*

Characteristics	All ECCS group members	Received any service[a]			Assessment		
		Received	Did not receive	Difference	Assessed	Not assessed	Difference
Employed part time	90.6	91.4	88.9	2.5 (8.9)	90.3	90.9	-0.6 (8.2)
Employed full time	9.4	8.6	11.1	-2.5 (8.9)	9.7	9.1	0.6 (8.2)
Not employed at random assignment but worked in past[b]	81.1	81.9	79.4	2.5 (2.7)	81.4	80.6	0.8 (2.5)
Short-term unemployed	68.8	68.7	68.9	-0.2 (3.5)	69.0	68.4	0.6 (3.3)
Long-term unemployed	31.1	31.1	31.1	0.0 (3.5)	30.8	31.6	-0.8 (3.3)
Not employed at random assignment and never worked in past	13.7	13.1	15.0	-1.9 (2.4)	13.3	14.3	-1.0 (2.2)
Presence of children (%)							
In households with children	2.8	2.4	3.4	-1.0 (1.2)	2.7	2.8	-0.1 (1.0)
In households without children	97.2	97.6	96.6	1.0 (1.2)	97.3	97.2	0.1 (1.0)
Sample size	**1,015**	**695**	**320**		**587**	**428**	

Source: SNAP employment and training evaluation administrative service use data.

Note: Hyphens indicate that the relevant statistic is undefined because no one started the activity. Standard errors in parentheses.

[a] "Received any services" measures engagement in activities, including assessments, developing an individual career plan (ICP), and employment or training-related activities; the measure does not include orientations, case management, and support services because individuals often engaged once to meet with a case manager or get a support service, but then did not return for more meaningful activities and services.

[b] Short-term unemployment measures unemployment that lasted at most 12 months. Long-term unemployment measures unemployment that lasted for more than 12 months.

***/**/* Difference between those who received services/were assessed and those who did not significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across groups defined by individual characteristics significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table D.12b. Characteristics of BCCS group members by engagement status and assessment status

Characteristics	All BCCS group members	Received any service[a]			Assessment		
		Received	Did not receive	Difference	Assessed	Not assessed	Difference
Total participation	100.0	94.6	5.4		24.5	75.5	
Age (%)							
18 to 49	100.0	100.0	100.0	0.0 (-)	100.0	100.0	0.0 (-)
18 to 24	31.3	31.6	25.9	5.7 (6.2)	31.7	25.5***	-13.5*** (3.1)
25 to 49	68.7	68.4	74.1	-5.7 (6.2)	68.3	74.5***	13.5*** (3.1)
50 to 59	0.0	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
60 years and older	0.0	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Gender (%)						†††	
Male	53.3	52.7	63.0	-10.2 (6.8)	52.8	61.8***	-9.7*** (3.7)
Female	46.7	47.3	37.0	10.2 (6.8)	47.2	38.2***	9.7*** (3.7)
Other	0.0	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Race and Ethnicity (%)						†††	
Hispanic	0.8	0.8	0.0	0.8 (-)	0.8	0.0	-0.5 (0.5)
Asian	0.3	0.3	0.0	0.3 (-)	0.3	0.0*	-0.4* (0.2)
Black, non-Hispanic	71.5	71.7	66.7	5.1 (6.6)	71.7	67.3***	-14.4*** (3.5)
Native Hawaiian/Pacific Islander/Native American	0.2	0.2	0.0	0.2 (-)	0.2	0.0	-0.3 (0.2)
White, non-Hispanic	27.4	27.1	33.3	-6.2 (6.6)	27.1	32.7***	15.3*** (3.5)
Other; more than one race	0.5	0.5	0.0	0.5 (-)	0.5	0.0	-0.1 (0.5)
Education (%)						†††	
No high school diploma or equivalent	30.6	30.1	38.9	-8.7 (6.8)	30.2	38.2	-4.5 (3.3)
High school diploma or equivalent	59.5	59.8	55.6	4.2 (6.9)	59.7	56.4	-1.9 (3.6)
Degree	5.2	5.3	3.7	1.5 (2.7)	5.3	3.6	0.7 (1.7)
Certificate	4.0	4.1	1.9	2.2 (1.9)	4.1	1.8***	5.0*** (1.8)
Other	0.7	0.7	0.0	0.7 (-)	0.7	0.0	0.7 (0.7)
Employment Status (%)						††	
Employed at random assignment	5.9	5.6	10.0	-4.4 (4.3)	5.6	9.8	0.4 (1.8)
Employed part time	90.4	89.4	100.0	-10.6 (-)	89.4	100.0	-16.2 (11.7)
Employed full time	9.6	10.6	0.0	10.6 (-)	10.6	0.0	16.2 (11.7)
Not employed at random assignment but worked in past[b]	82.9	82.9	83.3	-0.5 (5.2)	82.9	83.6**	5.4** (2.6)
Short-term unemployed	67.6	67.8	64.4	3.4 (7.3)	67.9	63.0	5.2 (3.6)

Table D.12b. Characteristics of BCCS group members by engagement status and assessment status *(continued)*

Characteristics	All BCCS group members	Received any service[a]			Assessment		
		Received	Did not receive	Difference	Assessed	Not assessed	Difference
Long-term unemployed	32.0	31.8	35.6	-3.7 (7.3)	31.7	37.0	-4.7 (3.6)
Not employed at random assignment and never worked in past	11.9	12.2	7.4	4.8 (3.7)	12.2	7.3***	-6.1*** (2.1)
Presence of children (%)							
In households with children	2.5	2.5	1.9	0.7 (1.9)	2.5	1.8	0.5 (1.2)
In households without children	97.5	97.5	98.1	-0.7 (1.9)	97.5	98.2	-0.5 (1.2)
Sample size	**1,006**	**952**	**54**		**246**	**760**	

Source: SNAP employment and training evaluation administrative service use data.

Note: Hyphens indicate that the relevant statistic is undefined because no one started the activity.

[a] "Received any services" measures engagement in activities, including assessments, developing an individual career plan (ICP), and employment or training-related activities; the measure does not include orientations, case management, and support services because individuals often engaged once to meet with a case manager or get a support service, but then did not return for more meaningful activities and services.

[b] Short-term unemployment measures unemployment that lasted at most 12 months. Long-term unemployment measures unemployment that lasted for more than 12 months.

***/**/* Difference between those who received services/were assessed and those who did not significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across groups defined by individual characteristics significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table D.13a. Characteristics of ECCS group members by completion status in most common activities, among individuals who started each activity

Characteristics	EDGE class			Job search			Occupational skills training			Work-based learning		
	Completed	Did not complete	Difference	Completed	Did not complete	Difference	Completed	Did not complete	Difference	Completed	Did not complete	Difference
Total completion among those who started	76.4	23.6		60.5	39.5		61.7	38.3		70.8	29.2	
Age (%)												
18 to 49	99.6	100.0	-0.4 (-)	98.7	100.0	-1.3 (-)	99.3	100.0	-0.7 (-)	100.0	100.0	0.0 (-)
18 to 24	31.1	29.7	1.4 (4.4)	28.0	28.6	-0.6 (8.3)	28.1	32.6	-4.5 (6.0)	30.7	34.0	-3.3 (8.2)
25 to 49	68.5	70.3	-1.8 (4.4)	70.7	71.4	-0.8 (8.4)	71.2	67.4	3.9 (6.1)	69.3	66.0	3.3 (8.2)
50 to 59	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
60 years and older	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Gender (%)		†						†††				
Male	43.8	53.1	-9.3* (4.7)	34.7	42.9	-8.2 (9.0)	40.5	64.2	-23.7*** (6.3)	37.7	46.8	-9.1 (8.6)
Female	56.2	46.9	9.3* (4.7)	65.3	57.1	8.2 (9.0)	59.5	35.8	23.7*** (6.3)	62.3	53.2	9.1 (8.6)
Other	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Race and Ethnicity (%)												
Hispanic	0.9	0.0	0.9 (-)	2.7	0.0	2.7 (-)	0.0	1.1	-1.1 (1.0)	0.0	0.0	0.0 (-)
Asian	0.0	0.0	0.0 (-)	0.0	2.0	-2.0 (2.0)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Black, non-Hispanic	74.7	70.3	4.3 (4.3)	65.3	65.3	0.0 (8.8)	75.2	70.5	4.6 (5.8)	73.7	61.7	12.0 (8.2)
Native Hawaiian/Pacific Islander/Native American	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
White, non-Hispanic	25.1	27.6	-2.5 (4.2)	34.7	32.7	2.0 (8.7)	24.8	28.4	-3.6 (5.8)	25.4	38.3	-12.9 (8.2)
Other; more than one race	0.2	0.7	-0.5 (0.7)	1.3	2.0	-0.7 (2.4)	0.7	0.0	0.7 (-)	0.9	0.0	0.9 (-)
Education (%)		††										
No high school diploma or equivalent	24.7	37.9	-13.3*** (4.5)	12.0	22.4	-10.4 (7.1)	16.3	21.1	-4.7 (5.2)	18.4	14.9	3.5 (6.4)
High school diploma or equivalent	63.2	53.8	9.4** (4.7)	66.7	63.3	3.4 (8.8)	72.5	69.5	3.1 (6.0)	64.0	78.7	-14.7* (7.5)

Table D.13a. Characteristics of ECCS group members by completion status in most common activities, among individuals who started each activity *(continued)*

Characteristics	EDGE class			Job search			Occupational skills training			Work-based learning		
	Completed	Did not complete	Difference	Completed	Did not complete	Difference	Completed	Did not complete	Difference	Completed	Did not complete	Difference
Degree	8.7	4.8	3.9* (2.2)	17.3	6.1	11.2** (5.6)	7.8	5.3	2.6 (3.2)	14.9	6.4	8.5* (4.9)
Certificate	3.0	2.1	0.9 (1.4)	4.0	8.2	-4.2 (4.5)	2.6	4.2	-1.6 (2.4)	2.6	0.0	2.6 (-)
Other	0.4	1.4	-1.0 (1.0)	0.0	0.0	0.0 (-)	0.7	0.0	0.7 (-)	0.0	0.0	0.0 (-)
Employment Status (%)												
Employed at random assignment	5.6	8.3	-2.8 (2.8)	4.4	4.4	0.0 (4.0)	5.1	5.9	-0.8 (3.2)	9.1	5.0	4.1 (4.5)
Employed part time	87.0	100.0	-13.0 (-)	66.7	100.0	-33.3 (-)	100.0	100.0	0.0 (-)	88.9	100.0	-11.1 (-)
Employed full time	13.0	0.0	13.0 (-)	33.3	0.0	33.3 (-)	0.0	0.0	0.0 (-)	11.1	0.0	11.1 (-)
Not employed at random assignment but worked in past[a]	82.8	75.9	6.9* (4.0)	86.7	87.8	-1.1 (6.1)	85.0	84.2	0.8 (4.7)	78.9	80.9	-1.9 (6.9)
Short-term unemployed	67.9	73.6	-5.8 (4.8)	67.7	69.8	-2.1 (9.1)	64.6	73.8	-9.1 (6.5)	64.4	60.5	3.9 (9.4)
Long-term unemployed	31.9	26.4	5.5 (4.8)	32.3	30.2	2.1 (9.1)	35.4	26.3	9.1 (6.5)	34.4	39.5	-5.0 (9.4)
Not employed at random assignment and never worked in past	12.3	17.2	-4.9 (3.5)	9.3	8.2	1.2 (5.2)	10.5	10.5	-0.1 (4.0)	13.2	14.9	-1.7 (6.1)
Presence of children (%)												
In households with children	2.8	2.1	0.7 (1.4)	4.0	0.0	4.0 (-)	2.0	4.2	-2.2 (2.4)	1.8	2.1	-0.4 (2.4)
In households without children	97.2	97.9	-0.7 (1.4)	96.0	100.0	-4.0 (-)	98.0	95.8	2.2 (2.4)	98.2	97.9	0.4 (2.4)
Sample size	**470**	**145**		**75**	**49**		**153**	**95**		**114**	**47**	

Source: SNAP employment and training evaluation administrative service use data.

Note: Standard errors in parentheses.

[a] Short-term unemployment measures unemployment that lasted at most 12 months. Long-term unemployment measures unemployment that lasted for more than 12 months.

***/**/* Difference between those who completed and those who did not significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table D.13a. Characteristics of ECCS group members by completion status in most common activities, among individuals who started each activity *(continued)*

†††/††/† Difference across groups defined by individual characteristics significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table D.13b. Characteristics of BCCS group members by completion status in most common activities, among individuals who started each activity

Characteristics	Basic education			Life skills training			Occupational skills training			Work-based learning		
	Completed	Did not complete	Difference	Completed	Did not complete	Difference	Completed	Did not complete	Difference	Completed	Did not complete	Difference
Total completion among those who started	27.3	72.7		56.4	43.6		59.8	40.2		62.6	37.4	
Age (%)												
18 to 49	100.0	100.0	0.0 (-)	100.0	100.0	0.0 (-)	100.0	100.0	0.0 (-)	100.0	100.0	0.0 (-)
18 to 24	31.8	28.2	3.6 (8.2)	19.3	29.4	-10.1 (7.0)	25.9	32.1	-6.2 (5.7)	32.9	36.7	-3.8 (8.7)
25 to 49	68.2	71.8	-3.6 (8.2)	80.7	70.6	10.1 (7.0)	74.1	67.9	6.2 (5.7)	67.1	63.3	3.8 (8.7)
50 to 59	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
60 years and older	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Gender (%)					††							
Male	45.5	52.1	-6.7 (8.8)	40.9	61.8	-20.9*** (7.9)	54.9	55.0	-0.1 (6.2)	39.0	38.8	0.2 (8.8)
Female	54.5	47.9	6.7 (8.8)	59.1	38.2	20.9*** (7.9)	45.1	45.0	0.1 (6.2)	61.0	61.2	-0.2 (8.8)
Other	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Race and Ethnicity (%)												
Hispanic	0.0	0.9	-0.9 (0.9)	1.1	1.5	-0.3 (1.9)	0.6	0.9	-0.3 (1.1)	1.2	0.0	1.2 (-)
Asian	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	1.2	0.0	1.2 (-)
Black, non-Hispanic	75.0	70.9	4.1 (7.8)	67.0	77.9	-10.9 (7.1)	70.4	70.6	-0.3 (5.7)	76.8	89.8	-13.0** (6.4)
Native Hawaiian/Pacific Islander/Native American	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
White, non-Hispanic	25.0	29.1	-4.1 (7.8)	33.0	22.1	10.9 (7.1)	29.6	29.4	0.3 (5.7)	22.0	10.2	11.7* (6.3)
Other; more than one race	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.6	0.0	0.6 (-)	0.0	2.0	-2.0 (2.0)
Education (%)		†††			†††			†				
No high school diploma or equivalent	38.6	77.8	-39.1*** (8.3)	5.7	25.0	-19.3*** (5.8)	9.3	18.3	-9.1** (4.4)	20.7	28.6	-7.8 (7.9)

Table D.13b. Characteristics of BCCS group members by completion status in most common activities, among individuals who started each activity *(continued)*

Characteristics	Basic education			Life skills training			Occupational skills training			Work-based learning		
	Completed	Did not complete	Difference	Completed	Did not complete	Difference	Completed	Did not complete	Difference	Completed	Did not complete	Difference
High school diploma or equivalent	47.7	17.1	30.6*** (8.3)	85.2	64.7	20.5*** (6.9)	76.5	72.5	4.1 (5.4)	64.6	59.2	5.5 (8.8)
Degree	4.5	1.7	2.8 (3.4)	3.4	2.9	0.5 (2.8)	8.6	3.7	5.0* (2.9)	7.3	10.2	-2.9 (5.2)
Certificate	9.1	0.0	9.1 (-)	5.7	7.4	-1.7 (4.0)	5.6	5.5	0.1 (2.8)	7.3	2.0	5.3 (3.5)
Other	0.0	3.4	-3.4** (1.7)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Employment Status (%)												
Employed at random assignment	5.1	6.1	-1.0 (4.3)	7.4	10.3	-2.9 (5.0)	3.9	6.9	-3.0 (3.0)	5.6	13.6	-8.1 (5.9)
Employed part time	50.0	100.0	-50.0 (-)	83.3	100.0	-16.7 (-)	66.7	85.7	-19.0 (24.3)	100.0	83.3	16.7 (16.0)
Employed full time	50.0	0.0	50.0 (-)	16.7	0.0	16.7 (-)	33.3	14.3	19.0 (24.3)	0.0	16.7	-16.7 (16.0)
Not employed at random assignment but worked in past[a]	84.1	78.6	5.5 (6.7)	85.2	76.5	8.8 (6.4)	90.1	86.2	3.9 (4.1)	82.9	77.6	5.4 (7.3)
Short-term unemployed	75.7	65.2	10.5 (8.7)	69.3	65.4	3.9 (8.5)	66.4	70.2	-3.8 (6.1)	66.2	68.4	-2.2 (9.5)
Long-term unemployed	24.3	34.8	-10.5 (8.7)	30.7	34.6	-3.9 (8.5)	33.6	28.7	4.8 (6.1)	33.8	31.6	2.2 (9.5)
Not employed at random assignment and never worked in past	11.4	16.2	-4.9 (5.9)	8.0	14.7	-6.8 (5.2)	6.2	7.3	-1.2 (3.1)	12.2	10.2	2.0 (5.7)
Presence of children (%)												
In households with children	4.5	2.6	2.0 (3.5)	2.3	0.0	2.3 (-)	1.9	1.8	0.0 (1.7)	4.9	0.0	4.9 (-)
In households without children	95.5	97.4	-2.0 (3.5)	97.7	100.0	-2.3 (-)	98.1	98.2	0.0 (1.7)	95.1	100.0	-4.9 (-)
Sample size	**44**	**117**		**88**	**68**		**162**	**109**		**82**	**49**	

Source: SNAP employment and training evaluation administrative service use data.

Note: Standard errors in parentheses.

Table D.13b. Characteristics of BCCS group members by completion status in most common activities, among individuals who started each activity *(continued)*

[a] Short-term unemployment measures unemployment that lasted at most 12 months. Long-term unemployment measures unemployment that lasted for more than 12 months.

***/**/* Difference between those who completed and those who did not significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across groups defined by individual characteristics significantly different at the 0.01/0.05/0.10 level, two-tailed test.

II. Subgroup tables and key findings

Overall, there were few significant differences in engagement and service receipt by subgroups (based on age, presence of children in the household, recent employment history, barriers to employment, and household income; Appendix Table D.14).[5] Key findings include the following:

- ECCS group members who were between the ages of 18 and 24 at random assignment were more likely than older adults to exit in the first 3 months in EDGE. BCCS group members in this age group were less likely than older adults to start and complete an employment or training-related activity.
- BCCS group members living in a household with children were more likely than those without children in the household to exit EDGE after three months.
- BCCS group members who were employed at some point during the 12 months before random assignment were more likely than those who were not employed to complete an employment or training-related activity.
- ECCS and BCCS group members with the fewest barriers to employment were more likely than those with more barriers to complete an employment or training-related activity.

[5] Severity of barriers to employment was defined as follows. The category of fewest barriers to employment included individuals who were employed within the 12 months before random assignment and had a high school diploma or equivalent. Moderate barriers were defined as having been unemployed for at least the 12 months before random assignment or an education level of less than a high school diploma or equivalent. The category of most barriers included individuals not employed in the 12 months before random assignment and with less than a high school diploma or equivalent.

Table D.14a. Participation in EDGE (ECCS) by type of activity, by subgroup

Characteristics	Sample size	Received any services[a]	Started any employment or training-related activity	Completed any employment or training-related activity	Any contact with case manager (%)	Received any support service (%)	Exited in the first 3 months	Exited after 3 months
Total participation (%)		68.5	66.9	49.3	69.5	89.9	53.2	46.8
Age (%)							†	†
18 to 24	321	67.0	64.5	48.3	72.9	91.0	57.3	42.7
25 to 49	691	69.2	68.0	49.6	67.9	89.3	51.4	48.6
Presence of children (%)								
In households with children	28	60.7	60.7	50.0	67.9	92.9	46.4	53.6
In households without children	987	68.7	67.1	49.2	69.5	89.8	53.4	46.6
Recent employment history (%)								
Employed in 12 months prior to random assignment	637	68.9	67.3	49.9	69.1	88.9	54.0	46.0
Not employed in 12 months prior to random assignment	378	67.7	66.1	48.1	70.1	91.5	51.9	48.1
Barrier to employment (%)				†				
Fewest barriers (employed in past 12 months and completed high school or equivalent)	473	70.2	68.3	52.9	70.2	88.4	53.5	46.5
Moderate barriers (not employed in past 12 months or completed less than high school or equivalent)	406	67.7	66.5	47.5	69.5	91.1	51.2	48.8
Most barriers (not employed in past 12 months and completed less than high school or equivalent)	134	64.2	62.7	41.8	67.2	91.0	57.5	42.5
Household Income (%)					††	†		
Less than 50 percent of FPL	872	68.9	67.3	49.8	70.6	90.4	53.1	46.9
Greater or equal to 50 percent of FPL	131	65.6	64.9	46.6	61.1	85.5	52.7	47.3
Sample size	**1,015**	**695**	**679**	**500**	**705**	**912**	**540**	**475**

Table D.14a. Participation in EDGE (ECCS) by type of activity, by subgroup *(continued)*

Source: SNAP employment and training evaluation administrative service use data.

Note: Hyphens indicate that the relevant statistic is undefined because no one started the activity.

FPL = Federal Poverty Level

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

[a] "Received any services" measures engagement in activities, including assessments, developing an individual career plan (ICP), and employment or training-related activities; the measure does not include orientations, case management, and support services because individuals often engaged once to meet with a case manager or get a support service, but then did not return for more meaningful activities and services.

Table D.14b. Participation in EDGE (BCCS) by type of activity, by subgroup

Characteristics	Sample size	Received any services[a]	Started any employment or training-related activity	Completed any employment or training-related activity	Any contact with case manager (%)	Received any support service (%)	Exited in the first 3 months	Exited after 3 months
Total participation (%)		94.6	57.5	30.7	75.8	84.7	51.6	48.4
Age (%)			††	††				
18 to 24	315	95.6	52.7	25.4	74.3	83.5	52.7	47.3
25 to 49	691	94.2	59.6	33.1	76.6	85.2	51.1	48.9
Presence of children (%)							††	††
In households with children	25	96.0	56.0	32.0	84.0	88.0	32.0	68.0
In households without children	981	94.6	57.5	30.7	75.6	84.6	52.1	47.9
Recent employment history (%)				†				
Employed in 12 months prior to random assignment	632	94.5	58.2	32.8	76.3	84.3	53.0	47.0
Not employed in 12 months prior to random assignment	374	94.9	56.1	27.3	75.1	85.3	49.2	50.8
Barrier to employment (%)				†††				
Fewest barriers (employed in past 12 months and completed high school or equivalent)	472	95.3	60.6	37.9	77.5	84.1	51.7	48.3
Moderate barriers (not employed in past 12 months or completed less than high school or equivalent)	379	93.7	55.7	28.0	76.0	85.5	50.9	49.1
Most barriers (not employed in past 12 months and completed less than high school or equivalent)	153	94.8	52.3	15.7	69.9	84.3	53.6	46.4
Household Income (%)								
Less than 50 percent of FPL	868	94.5	57.3	30.1	75.8	85.0	52.2	47.8
Greater or equal to 50 percent of FPL	125	96.0	60.0	36.0	76.0	84.0	45.6	54.4

Table D.14b. Participation in EDGE (BCCS) by type of activity, by subgroup *(continued)*

Characteristics	Sample size	Received any services[a]	Started any employment or training-related activity	Completed any employment or training-related activity	Any contact with case manager (%)	Received any support service (%)	Exited in the first 3 months	Exited after 3 months
Sample size	**1,006**	**952**	**578**	**309**	**763**	**852**	**519**	**487**

Source: SNAP employment and training evaluation administrative service use data.

Note: Hyphens indicate that the relevant statistic is undefined because no one started the activity.

[a] "Received any services" measures engagement in activities, including assessments, developing an individual career plan (ICP), and employment or training-related activities; the measure does not include orientations, case management, and support services because individuals often engaged once to meet with a case manager or get a support service, but then did not return for more meaningful activities and services.

FPL = Federal Poverty Level

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Appendix E
Differences in service receipt analysis

I. Main tables

Table E.1. Participation in EDGE services, existing E&T services, or community-offered services in the three years following random assignment

	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Participated in job search training or assistance activities or in education or training programs (%)	75.7	64.4	54.4	21.3*** (4.5)	10.3** (4.7)
Participated in job search training or assistance activities (%)	60.2	35.0	36.4	23.8*** (4.7)	-1.1 (4.8)
Participated in education or training programs (%)	64.5	57.1	34.0	30.5*** (4.7)	23.6*** (4.6)
General job skills training	41.8	33.5	17.8	24.1*** (4.2)	16.4*** (4.2)
Occupational skills training	43.9	34.9	17.6	26.2*** (4.3)	17.5*** (4.1)
Education	35.6	28.6	15.4	20.2*** (4.0)	12.9*** (3.9)
Work-based learning	1.0	0.1	0.0	1.0** (0.5)	0.1 (0.2)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table E.2. Percentage of individuals participating in EDGE services, existing E&T services, or community-offered services, by quarter and year after random assignment

	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Participated in job search training or assistance activities or in education or training programs (%)					
Year 1	66.1	58.4	37.4	28.6*** (4.7)	21.0*** (4.8)
Years 2 or 3	32.5	27.8	31.9	0.6 (4.6)	-3.7 (4.5)
Participated job search training or assistance activities (%)					
Year 1	52.9	26.2	25.6	27.3*** (4.5)	0.7 (4.3)
Years 2 or 3	21.1	14.1	17.9	3.2 (3.7)	-3.6 (3.5)
Participated education or training programs (%)					
Year 1	51.8	45.6	18.9	32.9*** (4.3)	26.7*** (4.3)
Quarter 1	42.1	36.9	12.3	29.8*** (4.0)	24.5*** (4.0)
Quarter 2	34.7	30.9	11.9	22.8*** (3.9)	19.1*** (3.8)
Quarter 3	28.8	26.2	9.8	19.1*** (3.6)	16.5*** (3.5)
Quarter 4	19.6	19.7	10.0	9.6*** (3.2)	9.8*** (3.3)
Year 2	26.8	27.8	16.6	10.2*** (3.9)	11.4*** (3.9)
Quarter 5	19.6	21.4	9.2	10.4*** (3.3)	12.3*** (3.3)
Quarter 6	17.2	21.3	12.7	4.4 (3.4)	8.8** (3.6)
Quarter 7	17.0	15.4	12.8	4.2 (3.4)	2.8 (3.3)
Quarter 8	11.5	12.2	11.3	0.1 (3.0)	1.1 (3.1)
Year 3	14.9	15.1	16.5	-1.7 (3.5)	-1.0 (3.6)
Quarter 9	11.3	10.9	11.1	0.2 (3.0)	0.2 (3.0)
Quarter 10	7.8	9.9	9.9	-2.1 (2.6)	0.3 (2.8)
Quarter 11	7.8	10.0	12.1	-4.2 (2.9)	-1.7 (3.0)
Quarter 12	4.9	7.8	9.0	-4.2* (2.5)	-1.1 (2.7)
Years 2 or 3	19.5	20.9	19.3	0.2 (3.8)	1.9 (3.9)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: The surveys collected the start and end dates for participation in education or training programs, but not for participation in job search training or assistance activities. As a result, quarterly estimates of participation in job search training and assistance activities cannot be estimated. Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table E.2a. Percentage of individuals participating in education or training programs, by timing of participation relative to the end of the pilot

	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Timing of participation relative to end of pilot period					
Participated before pilot end date	58.3	51.5	25.7	32.6*** (4.6)	26.0*** (4.5)
Participated after pilot end date	15.0	13.9	14.3	0.7 (3.5)	-0.1 (3.3)
Among those who participated after the pilot end date					
Started all programs before pilot end date	38.7	47.0	40.2	-1.5 (11.6)	6.4 (12.1)
Started at least one program after pilot end date	61.3	53.0	59.8	1.5 (11.6)	-6.4 (12.1)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: The EDGE pilot operation period ended in February 2019. Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table E.3. Time spent in service or program, completion rates, and types of certifications or degrees received in the three years following random assignment

	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Mean length of time spent in all activities and programs (months)	5.6	5.8	3.3	2.3*** (0.7)	2.5*** (0.8)
Mean number of hours per week spent in programs	12.5	8.8	3.6	9.0*** (1.2)	5.3*** (1.0)
Percentage of individuals still in a program as of the date of the 36-month follow-up survey interview					
All activities	5.2	7.1	4.9	0.3 (2.0)	2.3 (2.2)
Programs with general job skills training	1.6	4.1	1.6	0.0 (1.2)	2.7* (1.5)
Programs with occupational skills training	2.7	3.8	1.7	1.0 (1.2)	2.0 (1.5)
Programs with education	0.9	4.4	3.1	-2.2** (1.1)	1.3 (1.8)
Programs with work-based learning	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Percentage who completed a program					
All activities	47.0	32.7	21.2	25.8*** (4.5)	12.2*** (4.1)
Programs with general job skills training	30.6	16.4	15.3	15.3*** (3.9)	1.6 (3.4)
Programs with occupational skills training	32.3	20.3	11.2	21.1*** (4.0)	9.3*** (3.4)
Programs with education	22.6	11.7	5.9	16.7*** (3.3)	5.8** (2.8)
Programs with work-based learning	1.0	0.0	0.0	1.0** (0.5)	0.0 (0.0)
Type of certificate or degree/diploma received (%)					
Participation/attendance	8.1	6.1	1.9	6.2*** (1.9)	4.3*** (1.6)
Adult basic education	0.5	0.0	0.0	0.5 (0.3)	0.0 (0.0)
High school diploma/GED	6.2	2.1	2.2	4.0** (1.8)	-0.3 (1.3)
Associate's degree	1.1	0.0	1.3	-0.2 (0.9)	-1.2* (0.8)
Bachelor's degree	0.0	0.1	1.1	-1.1 (0.9)	-0.9 (0.9)
English proficiency certification or TOEFL	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Occupational certificate or license	30.3	21.9	9.5	20.7*** (3.5)	12.8*** (3.2)
Other	4.7	3.8	3.9	0.8 (2.3)	0.1 (2.0)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

GED = General Education Development

TOEFL = Test of English as a Foreign Language

Table E.4. Time spent in service or program, completion rates, and types of certifications or degrees received, by year after random assignment

	Year 1					Year 2					Year 3				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Mean length of time spent in all activities and programs (months)	3.1	2.7	1.0	2.1*** (0.3)	1.7*** (0.3)	1.7	2.1	1.2	0.5 (0.3)	0.9*** (0.3)	0.8	1.1	1.1	-0.3 (0.3)	0.0 (0.3)
Mean number of hours per week spent in programs	11.3	8.1	3.1	8.2*** (1.1)	5.1*** (0.9)	13.9	9.5	3.9	10.0*** (1.4)	5.7*** (1.1)	12.8	8.7	3.7	9.1*** (1.4)	5.1*** (1.1)
Percentage who completed a program	30.0	18.5	10.2	19.8*** (3.8)	8.6*** (3.3)	14.0	13.8	5.3	8.7*** (2.6)	8.5*** (2.5)	7.8	6.2	7.5	0.3 (2.6)	-1.0 (2.4)
Percentage who received an occupational certificate or license	18.7	13.3	5.4	13.4*** (3.0)	8.2*** (2.7)	9.0	7.5	1.9	7.1*** (1.9)	5.7*** (1.7)	5.5	3.5	3.2	2.3 (1.9)	0.4 (1.4)
Sample size	**268**	**281**	**256**			**268**	**281**	**256**			**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table E.5. Nonexperimental measures of completion rates among ECCS and control group members and BCCS and control group members and credential receipt rates among program completers in the three years following random assignment

	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Percentage who completed a program, among those who started a program					
All activities	71.9	54.4	62.5	9.4 (6.1)	-5.7 (6.4)
Programs with general job skills training	50.4	28.8	45.3	5.1 (6.6)	-14.0** (6.5)
Programs with occupational skills training	47.7	34.1	33.0	14.7** (7.4)	1.6 (6.8)
Programs with education	35.8	20.3	17.5	18.3*** (6.9)	2.8 (6.0)
Programs with work-based learning	1.2	0.0	0.0	1.2 (0.8)	0.0 (0.0)
Percentage who received a diploma, degree, certification, or license after completing program					
All activities	64.4	48.5	51.1	13.3* (6.8)	-1.0 (7.2)
Programs with general job skills training	43.8	25.2	38.1	5.8 (6.5)	-11.2* (6.4)
Programs with occupational skills training	42.6	30.7	22.9	19.7*** (7.2)	7.5 (6.7)
Programs with education	34.9	17.8	15.4	19.5*** (6.8)	2.5 (5.7)
Programs with work-based learning	0.6	0.0	0.0	0.6 (0.6)	0.0 (0.0)
Type of certificate or degree/diploma received (%)					
Participation/attendance	13.0	10.5	5.5	7.5* (3.9)	4.8 (3.6)
Adult basic education	0.8	0.0	0.0	0.8 (0.5)	0.0 (0.0)
High school diploma/GED	10.0	5.0	6.7	3.3 (3.6)	-1.9 (3.2)
Associate's degree	2.6	0.0	3.8	-1.3 (2.1)	-3.2** (1.9)
Bachelor's degree	0.7	0.6	3.1	-2.4 (2.3)	-2.5 (2.4)
English proficiency certification or TOEFL	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Occupational certificate or license	43.6	33.1	28.3	15.3*** (5.9)	6.6 (6.1)
Other	6.8	6.7	11.2	-4.4 (4.9)	-4.5 (4.6)
Sample size	**175**	**165**	**78**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

GED = General Education Development

TOEFL = Test of English as a Foreign Language

Table E.6. Receipt of case management and support services through EDGE, existing E&T, or community-offered programs in the three years following random assignment

Service	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	45.3	44.2	38.3	7.0 (4.7)	6.2 (4.7)
Average number of contacts with an employment professional or case manager	4.9	4.8	3.0	2.0* (1.2)	1.9** (0.9)
Completed career assessment tests (%)	50.1	32.7	28.5	21.5*** (4.7)	4.4 (4.4)
Received any support service (excluding mental health or substance use counseling) (%)	53.7	50.2	39.0	14.7*** (4.6)	11.6** (4.6)
Received any support service (%)	56.7	51.6	42.5	14.2*** (4.7)	9.4** (4.6)
Child care assistance including vouchers or funds	4.1	2.5	4.9	-0.8 (2.0)	-2.3 (1.8)
Transportation assistance (such as gas cards or bus passes)	47.3	41.0	24.2	23.1*** (4.2)	17.0*** (4.3)
Housing assistance	6.9	9.2	10.9	-3.9 (2.4)	-1.7 (2.7)
Mental health or substance use counseling	8.6	7.4	9.6	-1.1 (2.6)	-2.2 (2.5)
Clothes, uniforms, tools, or other supplies and equipment	21.8	18.6	4.1	17.8*** (2.9)	14.6*** (2.7)
Other	3.7	2.6	4.1	-0.4 (1.5)	-1.4 (1.6)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table E.7. Receipt of case management and support services through EDGE, existing E&T, or community-offered programs

Service	Year 1					Year 2 and Year 3				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	33.6	38.7	28.9	4.7 (4.4)	10.1** (4.5)	21.6	15.6	17.2	4.3 (3.7)	-1.5 (3.4)
Average number of contacts with an employment professional or case manager	7.1	6.0	6.9	0.2 (1.9)	-1.1 (1.7)	7.5	6.7	5.3	2.2 (3.8)	1.1 (2.6)
Mode of contacts (%)										
Mostly in person	67.1	56.5	75.1	-8.0 (6.4)	-19.6*** (6.2)	56.0	54.9	45.0	11.0 (12.2)	5.9 (12.7)
Mostly by phone	21.2	27.0	16.0	5.2 (5.4)	11.6* (6.1)	27.3	33.4	28.0	-0.8 (9.1)	8.9 (10.4)
Equally in person and by phone	8.5	15.9	9.0	-0.5 (3.9)	7.4 (4.6)	11.4	7.4	25.2	-13.9 (9.4)	-17.9** (8.5)
Completed career assessment tests (%)	40.4	26.5	18.6	21.8*** (4.2)	8.3** (3.9)	20.3	13.1	14.0	6.2* (3.6)	-1.0 (3.4)
Received any support service (%)	49.3	42.1	33.7	15.7*** (4.6)	8.6* (4.6)	21.1	21.0	21.4	-0.3 (3.8)	-0.1 (4.0)
Child care assistance including vouchers or funds	1.3	0.9	1.7	-0.4 (1.2)	-0.8 (0.9)	2.8	1.6	3.8	-1.0 (1.6)	-2.1 (1.6)
Transportation assistance (such as gas cards or bus passes)	42.9	36.4	21.8	21.1*** (4.2)	14.8*** (4.1)	12.0	9.1	4.8	7.1*** (2.4)	4.3* (2.3)
Housing assistance	4.1	5.1	6.9	-2.8 (2.0)	-1.7 (2.0)	3.9	6.2	8.1	-4.2* (2.1)	-1.9 (2.5)
Mental health or substance use counseling	5.0	4.4	6.7	-1.7 (2.2)	-2.3 (2.1)	5.2	5.3	5.3	-0.1 (1.8)	0.1 (1.8)
Clothes, uniforms, tools, or other supplies and equipment	17.6	13.8	2.2	15.3*** (2.5)	11.6*** (2.2)	5.5	6.0	2.1	3.4* (1.7)	4.0** (1.7)
Other	2.9	0.9	2.3	0.5 (1.2)	-1.3 (1.1)	0.9	1.6	1.8	-0.9 (0.9)	-0.1 (1.1)
Sample size	**268**	**281**	**256**			**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Table E.7. Receipt of case management and support services through EDGE, existing E&T, or community-offered programs *(continued)*

Note: Standard errors in parentheses. The 12-month survey requested information about receipt of case management and support services between the date of random assignment and the date of the 12-month interview. The 36-month survey requested information about receipt of case management and support services between the date of the 12-month interview and the date of the 36-month interview. As a result, it is not possible to provide quarterly estimates in any year or to estimate receipt of assistance separately in Years 2 and 3.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table E.8. Receipt of services and participation in activities, by starting any employment or training-related activity

Service	Started an activity					Did not start an activity				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	50.4	47.1	41.5	9.0 (5.8)	6.2 (5.8)	36.1	39.1	33.5	2.7 (8.1)	7.0 (9.1)
Completed career assessment tests (%)	59.2	34.4	26.8	32.4*** (5.4)^^^	6.9 (5.5)	29.9	29.9	31.4	-1.5 (8.1)	-0.4 (8.6)
Participated in job search training or assistance activities or in education or training programs (%)	87.0	74.3	50.7	36.3*** (5.1)^^^	23.7*** (5.7)^^^	53.3	49.8	61.1	-7.8 (8.5)	-10.7 (8.5)
Participated in job search training or assistance activities (%)	73.2	40.2	31.7	41.5*** (5.1)^^^	7.8 (5.4)^	32.6	32.2	43.4	-10.9 (8.8)	-11.5 (9.1)
Participated in education or training programs (%)	75.3	69.8	34.3	41.0*** (5.5)^^^	36.0*** (5.7)^^^	39.9	35.9	32.8	7.0 (8.8)	2.4 (8.7)
General job skills training	49.8	41.2	16.9	32.9*** (4.9)^^^	25.0*** (5.0)^^^	23.5	22.2	18.3	5.2 (7.2)	3.0 (6.7)
Occupational skills training	52.5	44.9	17.5	35.0*** (5.1)^^^	27.7*** (5.0)^^^	22.4	14.0	19.1	3.3 (8.2)	-3.4 (7.7)
Education	40.9	35.6	14.6	26.3*** (5.1)^^	20.4*** (4.9)^^	23.2	17.0	16.1	7.1 (7.7)	-0.2 (8.1)
Work-based learning	1.0	0.0	0.0	1.0* (0.6)	0.0 (<0.1)	1.4	0.6	0.0	1.4 (1.1)	0.6 (0.4)
Mean length of time spent in all activities and programs (months)	6.3	6.7	3.3	3.1*** (0.8)	3.4*** (0.9)	4.2	4.6	3.2	1.0 (1.3)	1.2 (1.4)
Completed a program (all activities) (%)	58.0	41.0	22.2	35.7*** (5.1)^^^	19.6*** (5.0)^^	26.5	21.2	18.4	8.1 (7.3)	1.9 (6.8)

Table E.8. Receipt of services and participation in activities, by starting any employment or training-related activity *(continued)*

Service	Started an activity					Did not start an activity				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received certificate or degree/diploma (%)	38.5	27.9	8.8	29.7*** (4.3)^^^	19.7*** (4.1)^^^	14.3	11.2	9.5	4.8 (5.3)	-0.6 (4.8)
Received any support service (%)	66.3	58.6	44.0	22.3*** (5.5)^^^	15.5*** (5.5)	35.2	42.3	41.0	-5.8 (8.1)	2.3 (8.4)
Received any support service (excluding mental health or substance use counseling) (%)	64.8	56.8	41.1	23.7*** (5.5)^^^	16.7*** (5.5)	30.7	41.8	35.8	-5.1 (7.7)	6.7 (8.0)
Sample size	193	191	176			75	90	80		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table E.9. Receipt of services and participation in activities, by completion of employment or training-related activities

Service	Did not complete an activity					Completed education or training activities					Completed job search or job search training activities				
	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	57.8	52.3	35.4	22.4 (14.3)	11.1 (13.0)	51.1	46.7	41.0	10.0* (6.0)	5.9 (6.3)	n.a.	n.a.	n.a.	n.a.	n.a.
Completed career assessment tests (%)	28.8	29.1	17.5	11.3 (12.5)	9.3 (11.1)	63.9	34.4	29.1	34.8*** (5.9)^	4.9 (6.0)	n.a.	n.a.	n.a.	n.a.	n.a.
Participated in job search training or assistance activities or in education or training programs (%)	71.6	78.9	40.6	30.9*** (10.5)	31.2*** (11.0)	90.5	74.1	51.3	39.1*** (5.1)	22.7*** (5.9)	n.a.	n.a.	n.a.	n.a.	n.a.
Participated in job search training or assistance activities (%)	54.9	36.1	20.3	34.6*** (9.9)	12.9 (10.8)	76.7	42.5	33.1	43.6*** (5.4)	9.1 (6.1)	n.a.	n.a.	n.a.	n.a.	n.a.
Participated in education or training programs (%)	48.8	71.3	30.2	18.7 (12.8)	36.6*** (11.0)	81.5	71.2	35.0	46.5*** (5.5)^^	36.4*** (6.1)	n.a.	n.a.	n.a.	n.a.	n.a.
General job skills training	30.0	29.5	3.8	26.2** (11.1)	25.5** (9.8)	55.1	43.4	18.8	36.3*** (5.2)	24.8*** (5.3)	n.a.	n.a.	n.a.	n.a.	n.a.
Occupational skills training	16.3	29.1	12.2	4.2 (11.0)	16.0* (8.8)	57.0	50.5	18.7	38.3*** (5.4)^^^	32.0*** (5.7)	n.a.	n.a.	n.a.	n.a.	n.a.
Education	25.6	52.0	18.0	7.6 (9.4)	30.5*** (10.1)	43.4	31.2	14.2	29.2*** (5.1)^^	16.6*** (5.3)	n.a.	n.a.	n.a.	n.a.	n.a.
Work-based learning	0.5	0.0	0.0	0.5 (0.5)	0.0 (0.0)	1.0	0.0	0.0	1.0 (0.7)	0.0 (0.0)	n.a.	n.a.	n.a.	n.a.	n.a.
Mean length of time spent in all activities and programs (months)	4.5	4.8	2.0	2.4 (1.7)	2.6 (1.8)	7.0	7.3	3.5	3.4*** (0.9)	3.7*** (1.0)	n.a.	n.a.	n.a.	n.a.	n.a.
Completed a program (all activities) (%)	19.3	17.5	9.8	9.5 (9.8)	7.3 (8.0)	65.1	51.0	24.3	40.8*** (5.4)^^^	27.1*** (5.6)^^	n.a.	n.a.	n.a.	n.a.	n.a.

Table E.9. Receipt of services and participation in activities, by completion of employment or training-related activities *(continued)*

	Did not complete an activity					Completed education or training activities					Completed job search or job search training activities				
Service	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference
Received certificate or degree/ diploma (%)	9.1	4.1	6.0	3.1 (10.1)	-2.1 (6.3)	42.9	35.0	9.1	33.7*** (4.7)^^^	26.2*** (4.8)	n.a.	n.a.	n.a.	n.a.	n.a.
Received any support service (%)	63.5	58.5	45.3	18.2 (16.7)	9.0 (18.0)	68.2	63.3	42.1	26.1*** (5.7)	21.8*** (5.9)	n.a.	n.a.	n.a.	n.a.	n.a.
Received any support service (excluding mental health or substance use counseling) (%)	58.1	50.8	42.5	15.5 (16.2)	4.9 (18.0)	67.1	63.1	39.2	27.9*** (5.6)	24.5*** (5.9)	n.a.	n.a.	n.a.	n.a.	n.a.
Sample size	**25**	**39**	**24**			**168**	**152**	**152**			**n.a.**	**n.a.**	**n.a.**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Significantly different from individuals who did not complete an activity at the 0.01/0.05/0.10 level, two-tailed test.

###/##/# Based on a joint test, impacts statistically differ across completion groups at the 0.01/0.05/0.10 level.

n.a. Analyses are not presented for this group due to small sample size.

Table E.10. Receipt of services and participation in activities, by timing of enrollment

Service	Earlier enrollment (March 2016 to June 2017)					Later enrollment (July 2017 to December 2017)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	44.0	48.1	38.1	5.8 (5.2)	10.1* (5.5)	49.1	36.4	37.1	12.0 (9.7)	-2.4 (9.1)
Completed career assessment tests (%)	50.8	35.5	28.2	22.6*** (5.3)	6.6 (5.1)	50.9	27.7	29.6	21.3** (9.0)	0.3 (8.5)
Participated in job search training or assistance activities or in education or training programs (%)	74.4	65.4	50.5	23.9*** (5.4)	14.6*** (5.4)	79.0	60.7	65.3	13.7 (8.4)	-4.6† (9.0)
Participated in job search training or assistance activities (%)	56.1	34.8	33.6	22.5*** (5.5)	0.7 (5.4)	71.8	33.9	44.7	27.1*** (9.3)	-9.3 (9.6)
Participated in education or training programs (%)	65.0	58.7	29.1	35.9*** (5.3)	29.5*** (5.2)	67.1	56.3	46.9	20.2** (9.1)	7.5†† (9.6)
General job skills training	38.1	35.5	16.0	22.1*** (4.6)	19.7*** (4.8)	55.4	28.0	21.9	33.5*** (8.6)	6.0 (8.3)
Occupational skills training	42.7	35.2	17.4	25.3*** (5.0)	17.7*** (4.7)	51.1	32.5	17.6	33.4*** (7.8)	15.2* (7.7)
Education	36.1	27.4	11.6	24.6*** (4.3)	15.9*** (4.4)	35.5	35.2	26.4	9.1† (8.1)	5.5 (8.1)

Table E.10. Receipt of services and participation in activities, by timing of enrollment *(continued)*

Service	Earlier enrollment (March 2016 to June 2017)					Later enrollment (July 2017 to December 2017)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Work-based learning	1.0	0.2	0.0	1.0* (0.5)	0.2 (0.3)	1.1	0.0	0.0	1.1 (1.0)	0.0 (0.1)
Mean length of time spent in all activities and programs (months)	5.8	6.3	3.1	2.7*** (0.8)	3.2*** (0.9)	5.7	4.3	3.8	1.9 (1.2)	0.4† (1.1)
Completed a program (all activities) (%)	48.8	35.6	18.1	30.7*** (5.0)	17.5*** (4.7)	48.6	29.1	29.9	18.8** (9.1)	0.3† (8.6)
Received certificate or degree/diploma (%)	32.0	24.5	8.0	24.0*** (4.0)	16.6*** (3.6)	27.5	16.6	12.5	15.0** (7.1)	2.8†† (5.9)
Received any support service (%)	56.1	49.4	42.0	14.1*** (5.2)	8.0 (5.2)	60.8	54.2	44.1	16.7* (9.5)	10.1 (9.4)
Received any support service (excluding mental health or substance use counseling) (%)	53.5	47.7	39.1	14.4*** (5.1)	9.2* (5.2)	56.9	54.6	37.5	19.4** (9.2)	15.6* (8.8)
Sample size	**200**	**197**	**191**			**68**	**84**	**65**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

II. Subgroup tables and key findings

Appendix Tables E.11 through E.15 show differences in service use between the ECCS group and control group and the BCCS group and control group for subgroups defined by reported baseline characteristics. Primary subgroups include: individuals of different ages—young adults (18 to 24 years old) and adults (25 to 49 years old); individuals with barriers to employment of varying degrees; individuals employed at any point or not employed at all in the 12 months before random assignment; and individuals with income less than 50 percent of the FPL or with income greater than or equal to 50 percent of poverty. All findings are based on survey data.

There were some statistically significant differences in P2P-control contrasts in service use across subgroups defined by age and barriers to employment (primarily among the BCCS-control contrasts), and fewer differences for the subgroups defined by recent employment history and income. Across the subgroups, ECCS and BCCS group rates of participation in services were generally higher than those of the control group. With some exceptions, noted below, these differences in service use do not appear to be concentrated among individuals with certain characteristics.

Across the age subgroups, BCCS group participation rates in services were generally higher than those of the control group for individuals ages 25 to 49 only, while rates of service use were similar between groups for young adults. This resulted in many participation measures for which the differences were larger for individuals ages 25 to 49 than for the younger subgroup. For example, adults had significantly higher participation in an education or training program than the control group (32 percentage point difference), and this was greater than the difference for young adults (1 percentage point difference). However, there were few statistical differences in the ECCS-control contrasts by age. The ECCS group had higher participation rates for most services than the control group regardless of an individual's age.

There were some statistically significant differences in BCCS-control contrasts in service use across the barriers to employment subgroups, but no differences in ECCS-control contrasts. BCCS-control contrasts were generally lower for individuals with the most barriers, and largest for individuals with moderate barriers. For example, BCCS-control group difference in participation for individuals with the most barriers was -5 percentage points; for those with moderate barriers, the difference was 31 percentage points; and for those with the fewest barriers, the difference was 16 percentage points.

There were few statistically significant differences in ECCS-control contrasts and BCCS-control contrasts across subgroups defined by recent employment history. ECCS and BCCS group participation was generally higher than the control group, and this difference varied by subgroup was for a few measures, in favor of individuals with recent employment history having higher participation. For example, ECCS-control and BCCS-control differences in completion of a career assessment test were greater for individuals who were employed in the 12 months before random assignment than for individuals who had no recent employment.

There were few statistically significant differences in ECCS-control and BCCS-control contrasts in service use across the income subgroups. The BCCS-control group difference in completion of a career assessment was statistically lower for individuals with income below 50 percent of the FPL, compared to those with higher income (1 versus 25 percentage point difference; Appendix Table E.15). The ECCS-control group differences in participation in occupational skills training and education were higher for individuals with income below 50 percent of the FPL.

Table E.11. Receipt of services and participation in activities, by age

Service	Ages 18 to 24					Ages 25 to 49				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	35.5	28.9	35.7	-0.2 (8.4)	-7.4 (9.3)	49.4	50.6	38.8	10.6** (5.3)	11.9**† (5.4)
Completed career assessment tests (%)	48.2	21.5	31.4	16.9** (8.5)	-10.0 (8.2)	52.3	38.7	26.6	25.7*** (5.2)	11.5**†† (4.9)
Participated in job search training or assistance activities or in education or training programs (%)	88.2	53.7	68.6	19.6** (9.0)	-14.6 (10.0)	71.8	68.7	48.9	22.9*** (5.2)	19.8***††† (5.1)
Participated in job search training or assistance activities (%)	61.8	26.2	44.5	17.3* (9.1)	-18.6** (9.2)	61.8	40.0	32.4	29.5*** (5.2)	7.2†† (5.3)
Participated in education or training programs (%)	71.2	49.3	48.3	22.9** (10.1)	1.0 (10.0)	62.4	59.9	28.5	33.9*** (5.3)	31.8***††† (5.1)
General job skills training	42.0	26.4	27.4	14.6 (9.2)	-1.5 (9.0)	42.6	36.3	13.5	29.0*** (4.7)	23.3***†† (4.6)
Occupational skills training	35.4	26.0	21.2	14.2 (9.2)	6.2 (8.8)	46.4	36.4	16.8	29.6*** (5.0)	19.9*** (4.7)
Education	37.5	29.2	28.3	9.3 (8.4)	0.5 (8.9)	34.8	27.7	10.8	24.0*** (4.4)	16.9***† (4.3)
Work-based learning	0.1	0.0	0.0	0.1 (0.3)	0.0 (0.2)	1.4	0.2	0.0	1.4**† (0.7)	0.2 (0.3)
Mean length of time spent in all activities and programs (months)	6.7	6.1	4.8	1.9 (1.5)	1.3 (1.5)	5.4	5.9	2.7	2.7*** (0.8)	3.2*** (0.8)
Completed a program (all activities) (%)	52.5	24.9	28.6	23.9** (9.4)	-4.4 (8.8)	45.7	36.8	17.8	27.9*** (5.0)	19.5***†† (4.5)
Received certificate or degree/diploma (%)	30.2	15.8	13.5	16.6*** (6.1)	1.9 (5.3)	31.1	24.7	7.5	23.5*** (4.3)	17.5***†† (3.7)

Table E.11. Receipt of services and participation in activities, by age *(continued)*

Service	Ages 18 to 24					Ages 25 to 49				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received any support service (%)	49.4	40.4	45.9	3.5 (10.1)	-5.6 (9.7)	59.4	55.5	41.3	18.1*** (5.3)	14.7***† (5.2)
Received any support service (excluding mental health or substance use counseling) (%)	50.5	43.2	42.4	8.1 (9.5)	-0.1 (9.2)	55.5	53.4	37.4	18.1*** (5.3)	16.6*** (5.1)
Sample size	**81**	**74**	**46**			**186**	**207**	**210**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table E.12. Receipt of services and participation in activities, by severity of barriers to employment

Service	Fewest barriers (employed in past 12 months and high school diploma or equivalent)					Moderate barriers (not employed in past 12 months or no high school diploma or equivalent))					Most barriers (not employed in past 12 months and no high school diploma or equivalent)				
	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	54.2	43.4	40.0	14.2** (7.0)	4.1 (6.7)	39.8	53.6	38.9	0.9 (6.9)	15.3** (7.7)	32.4	23.2	36.7	-4.3 (13.5)	-13.1 (13.2)
Completed career assessment tests (%)	56.2	37.0	24.4	31.8*** (6.6)	12.2** (6.1)	45.0	35.6	30.3	14.7* (7.6)	5.7 (7.9)	53.5	14.0	42.6	10.8 (15.0)	-23.2**†† (11.5)
Participated in job search training or assistance activities or in education or training programs (%)	73.6	62.2	55.0	18.6*** (6.6)	7.1 (6.3)	77.1	77.1	50.3	26.8*** (7.1)	26.3*** (7.4)	77.0	46.2	64.5	12.5 (12.7)	-15.8†† (13.1)
Participated in job search training or assistance activities (%)	55.1	36.1	32.3	22.8*** (6.8)	3.7 (6.6)	64.9	38.8	34.7	30.2*** (7.4)	4.6 (8.3)	65.9	22.8	54.0	11.9 (14.9)	-29.2**† (13.5)
Participated in education or training programs (%)	64.1	53.1	33.2	30.9*** (6.7)	20.2*** (6.3)	61.3	73.7	33.2	28.1*** (7.4)	40.6*** (7.5)	78.0	31.6	45.4	32.6** (12.4)	-7.8††† (12.2)
General job skills training	43.8	29.4	20.5	23.3*** (6.3)	9.5* (5.5)	37.5	41.4	14.5	23.1*** (5.9)	28.1*** (7.2)	54.1	26.6	22.0	32.2** (13.3)	8.4† (11.5)
Occupational skills training	50.6	38.3	22.4	28.2*** (6.8)	16.3*** (5.6)	40.2	42.2	11.1	29.1*** (6.0)	30.8*** (7.3)	37.1	14.8	23.5	13.5 (10.5)	-5.4†† (9.7)
Education	29.5	19.0	12.5	17.1*** (5.5)	6.1 (5.0)	34.8	41.0	15.5	19.3*** (6.1)	24.4*** (6.5)	57.7	28.2	27.9	29.7*** (10.6)	4.0† (11.1)
Work-based learning	0.0	0.0	0.0	0.0 (0.1)	0.0 (0.1)	1.4	0.0	0.0	1.4* (0.7)	0.0 (0.1)	3.2	1.0	0.0	3.2 (2.7)	1.0 (1.1)

Table E.12. Receipt of services and participation in activities, by severity of barriers to employment *(continued)*

Service	Fewest barriers (employed in past 12 months and high school diploma or equivalent)					Moderate barriers (not employed in past 12 months or no high school diploma or equivalent))					Most barriers (not employed in past 12 months and no high school diploma or equivalent)				
	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference	ECCS group	BCCS group	Control group	ECCS/Control group difference	BCCS/Control group difference
Mean length of time spent in all activities and programs (months)	4.6	4.8	2.8	1.8** (0.8)	2.1*** (0.8)	6.2	7.8	3.3	2.8** (1.2)	4.6*** (1.4)	8.2	4.2	5.9	2.3 (2.1)	-0.9† (2.1)
Completed a program (all activities) (%)	47.7	35.5	23.7	24.0*** (6.5)	12.5** (5.9)	49.6	39.3	17.3	32.3*** (6.6)	22.9*** (6.5)	37.4	14.0	28.7	8.7 (14.6)	-10.2†† (10.3)
Received certificate or degree/ diploma (%)	32.3	26.0	12.8	19.5*** (5.4)	13.5*** (5.0)	27.7	25.2	8.4	19.3*** (5.3)	17.6*** (5.5)	33.5	5.2	4.0	29.6** (11.9)	1.9 (6.1)
Received any support service (%)	52.3	43.4	42.2	10.1 (6.6)	2.2 (6.3)	63.8	63.4	49.3	14.5** (7.3)	14.4* (7.7)	53.7	42.6	30.8	22.9 (16.8)	16.3 (11.6)
Received any support service (excluding mental health or substance use counseling) (%)	48.9	42.7	38.6	10.3 (6.5)	5.1 (6.1)	61.6	61.5	46.2	15.5** (7.3)	15.5* (8.0)	50.4	40.8	25.2	25.2 (16.2)	19.5* (10.8)
Sample size	**126**	**155**	**122**			**118**	**88**	**98**			**23**	**37**	**34**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table E.13. Receipt of services and participation in activities, by recent employment history

Service	Employed in the 12 months before random assignment					Not employed in the 12 months before random assignment				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	49.1	43.9	34.2	14.9** (5.9)	10.3* (5.8)	39.4	44.2	44.9	-5.5†† (7.4)	0.3 (7.9)
Completed career assessment tests (%)	53.3	36.7	24.2	29.2*** (5.7)	12.2** (5.4)	44.3	26.0	35.0	9.3†† (7.6)	-7.5†† (7.4)
Participated in job search training or assistance activities or in education or training programs (%)	75.1	67.2	52.9	22.2*** (5.8)	14.4** (5.7)	76.2	59.0	57.0	19.2*** (6.6)	2.8 (7.7)
Participated in job search training or assistance activities (%)	58.5	36.7	31.0	27.5*** (5.9)	5.8 (5.9)	62.6	29.6	44.7	17.9** (7.6)	-13.9*†† (8.1)
Participated in education or training programs (%)	64.6	59.0	32.6	32.0*** (5.9)	26.7*** (5.5)	64.3	53.2	36.4	27.9*** (7.2)	18.3** (7.7)
General job skills training	43.1	32.8	18.0	25.1*** (5.4)	15.3*** (5.1)	40.0	33.1	17.1	22.9*** (6.6)	16.8** (6.8)
Occupational skills training	47.3	38.7	18.2	29.2*** (5.8)	20.9*** (5.0)	40.5	28.8	17.5	23.0*** (6.3)	12.2* (6.8)
Education	36.9	29.3	14.9	22.0*** (5.1)	14.0*** (4.6)	33.2	26.7	16.2	16.9*** (6.1)	9.6 (6.8)
Work-based learning	0.0	0.0	0.0	0.0 (0.1)	0.0 (0.1)	2.5	0.4	0.0	2.5**†† (1.2)	0.4 (0.4)
Mean length of time spent in all activities and programs (months)	5.0	5.4	2.8	2.3*** (0.8)	2.7*** (0.8)	6.7	6.0	4.2	2.4* (1.3)	2.0 (1.4)

Table E.13. Receipt of services and participation in activities, by recent employment history *(continued)*

Service	Employed in the 12 months before random assignment					Not employed in the 12 months before random assignment				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Completed a program (all activities) (%)	46.7	29.4	19.4	27.3*** (5.6)	10.5** (4.9)	47.0	37.5	23.9	23.2*** (7.2)	14.8** (7.1)
Received certificate or degree/diploma (%)	28.9	21.5	10.4	18.5*** (4.8)	11.3*** (4.2)	32.4	22.7	7.7	24.7*** (5.2)	15.2*** (5.0)
Received any support service (%)	56.1	47.2	40.8	15.3*** (5.8)	7.1 (5.7)	57.2	58.2	45.4	11.8 (7.7)	13.4* (7.7)
Received any support service (excluding mental health or substance use counseling) (%)	52.8	46.2	37.7	15.1*** (5.8)	9.3* (5.6)	54.5	56.2	40.9	13.6* (7.6)	15.3** (7.7)
Sample size	**166**	**188**	**156**			**102**	**93**	**100**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table E.14. Receipt of services and participation in activities, by presence of children in household

Service	Individuals in households with children					Individuals in households without children				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	n.a.	n.a.	n.a.	n.a.	n.a.	44.5	43.5	37.8	6.7 (4.7)	5.9 (4.8)
Completed career assessment tests (%)	n.a.	n.a.	n.a.	n.a.	n.a.	49.1	33.0	27.4	21.7*** (4.7)	5.8 (4.5)
Participated in job search training or assistance activities or in education or training programs (%)	n.a.	n.a.	n.a.	n.a.	n.a.	75.5	64.2	53.8	21.6*** (4.6)	10.6** (4.8)
Participated in job search training or assistance activities (%)	n.a.	n.a.	n.a.	n.a.	n.a.	59.5	35.1	35.7	23.8*** (4.8)	-0.5 (4.9)
Participated in education or training programs (%)	n.a.	n.a.	n.a.	n.a.	n.a.	64.7	56.8	33.5	31.2*** (4.7)	23.7*** (4.7)
General job skills training	n.a.	n.a.	n.a.	n.a.	n.a.	42.1	33.9	17.4	24.7*** (4.2)	17.1*** (4.2)
Occupational skills training	n.a.	n.a.	n.a.	n.a.	n.a.	43.7	34.2	17.2	26.5*** (4.4)	17.2*** (4.2)
Education	n.a.	n.a.	n.a.	n.a.	n.a.	36.3	28.8	15.4	20.9*** (4.0)	13.1*** (4.0)
Work-based learning	n.a.	n.a.	n.a.	n.a.	n.a.	1.1	0.0	0.0	1.1** (0.5)	0.0 (0.0)
Mean length of time spent in all activities and programs (months)	n.a.	n.a.	n.a.	n.a.	n.a.	5.5	5.8	3.3	2.2*** (0.7)	2.5*** (0.8)
Completed a program (all activities) (%)	n.a.	n.a.	n.a.	n.a.	n.a.	46.9	32.1	20.9	26.0*** (4.5)	11.8*** (4.2)
Received certificate or degree/diploma (%)	n.a.	n.a.	n.a.	n.a.	n.a.	30.1	21.5	9.4	20.7*** (3.6)	12.6*** (3.2)

Table E.14. Receipt of services and participation in activities, by presence of children in household *(continued)*

Service	Individuals in households with children					Individuals in households without children				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received any support service (%)	n.a.	n.a.	n.a.	n.a.	n.a.	56.1	51.7	42.3	13.7*** (4.7)	9.8** (4.7)
Received any support service (excluding mental health or substance use counseling) (%)	n.a.	n.a.	n.a.	n.a.	n.a.	53.1	50.5	38.7	14.4*** (4.7)	12.2*** (4.7)
Sample size	**n.a.**	**n.a.**	**n.a.**			**263**	**267**	**251**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

n.a. Analyses are not presented for this group due to small sample size.

Table E.15. Receipt of services and participation in activities, by monthly income as a percentage of poverty

Service	Lives in household with income below 50 percent of the federal poverty level					Lives in household with income equal to or above 50 percent of the federal poverty level				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received career counseling or one-on-one assistance from employment professional or case manager (%)	46.9	45.2	37.3	9.6* (5.0)	8.1 (5.2)	36.4	43.1	46.0	-9.5 (12.5)	-2.6 (11.9)
Completed career assessment tests (%)	51.8	31.5	30.3	21.5*** (5.1)	1.4 (4.9)	42.3	42.5	19.4	22.9* (12.3)	24.8**† (12.0)
Participated in job search training or assistance activities or in education or training programs (%)	75.0	64.2	54.4	20.6*** (4.8)	10.1** (5.1)	75.7	66.3	52.6	23.1** (10.7)	13.6 (12.0)
Participated in job search training or assistance activities (%)	59.3	35.9	37.1	22.1*** (5.1)	-1.0 (5.3)	65.4	30.3	28.2	37.2*** (11.6)	1.9 (12.2)
Participated in education or training programs (%)	65.2	56.8	32.8	32.4*** (4.9)	24.4*** (4.9)	50.2	55.1	39.6	10.7 (12.7)	15.5 (12.7)
General job skills training	40.2	33.5	15.9	24.3*** (4.3)	18.0*** (4.2)	43.1	33.6	25.7	17.4 (11.9)	9.3 (13.7)
Occupational skills training	46.3	35.1	16.2	30.1*** (4.5)	19.0*** (4.3)	24.9	29.8	23.8	1.1†† (11.3)	7.4 (12.0)
Education	38.2	27.6	15.4	22.8*** (4.3)	12.1*** (4.1)	15.8	36.0	12.1	3.8† (9.5)	21.8* (11.3)
Work-based learning	0.7	0.1	0.0	0.7* (0.4)	0.1 (0.2)	2.6	0.0	0.0	2.6 (1.9)	0.0 (0.2)
Mean length of time spent in all activities and programs	5.9	5.6	3.4	2.5*** (0.8)	2.2*** (0.8)	2.3	5.9	1.8	0.5 (1.1)	4.2** (1.7)
Completed a program (all activities) (%)	46.1	33.1	20.2	25.9*** (4.7)	13.4*** (4.2)	50.6	24.4	24.1	26.5** (12.3)	1.4 (12.9)
Received certificate or degree/diploma (%)	29.7	23.3	9.5	20.3*** (3.9)	14.1*** (3.4)	30.0	10.9	10.1	19.8** (9.3)	0.5 (8.8)
Received any support service (%)	56.5	50.5	40.7	15.9*** (5.0)	9.9** (5.0)	54.7	60.8	56.3	-1.6 (12.8)	7.3 (14.8)

Table E.15. Receipt of services and participation in activities, by monthly income as a percentage of poverty *(continued)*

Service	Lives in household with income below 50 percent of the federal poverty level					Lives in household with income equal to or above 50 percent of the federal poverty level				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Received any support service (excluding mental health or substance use counseling) (%)	53.4	49.6	37.4	16.1*** (5.0)	12.3** (4.9)	49.2	55.4	51.5	-2.3 (12.2)	7.0 (13.9)
Sample size	**31**	**30**	**38**			**234**	**249**	**217**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table E.16. Receipt of services and participation in activities through EDGE or existing E&T services

Service	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Assessed (%)	57.9	24.4	4.1	53.8*** (1.5)	20.3*** (1.2)
Started any employment and training-related activity (%)	66.9	57.5	46.0	20.9*** (2.1)	11.5*** (2.2)
Started activity (%)					
Work-based learning	15.9	13.0	0.0	15.9*** (0.9)	13.0*** (0.8)
Occupational skills training	24.4	27.0	0.8	23.7*** (1.2)	26.2*** (1.2)
Job search	12.2	12.5	14.1	-1.9-1.4	-1.6-1.4
Basic education	9.8	16.0	3.7	6.1*** (1.1)	12.3*** (1.2)
Completed activity (%)					
Work-based learning	11.3	8.2	0.0	11.3*** (0.8)	8.2*** (0.7)
Occupational skills training	15.1	16.1	0.1	15.0*** (0.9)	16.0*** (1.0)
Job search	7.4	7.7	5.5	1.9* (1.0)	2.2** (1.0)
Basic education	3.0	4.4	1.5	1.5** (0.6)	2.9*** (0.7)
Received an occupational skills training credential or certification (%)	14.0	15.7	1.0	13.0*** (1.0)	14.7*** (1.1)
Any contact with case manager (%)	69.5	75.8	13.3	56.2*** (1.7)	62.5*** (1.6)
Average number of contacts with case manager per person during pilot	3.9	4.5	0.2	3.7*** (0.1)	4.3*** (0.1)
Received any support service (%)	89.9	84.7	88.2	1.7-1.4	-3.5** (1.5)
Sample size	**1,015**	**1,017**	**1,017**		

Source: SNAP employment and training evaluation administrative service use data.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table E.17. Impacts on SNAP sanctions

SNAP sanctions for individual enrolled in pilot (%)[a]	ECCS group	BCCS group	Control group	ECCS group / Control difference	BCCS group / Control difference
Year 1	19.4	15.6	19.5	-0.1 (1.8)	-3.9** (2.0)
Quarter 1	10.5	6.6	14.0	-3.5** (1.7)	-7.4*** (1.5)
Quarter 2	16.0	12.1	16.1	0.0 (1.9)	-3.9** (1.8)
Quarter 3	15.8	12.4	16.6	-0.8 (1.9)	-4.2** (1.8)
Quarter 4	13.8	13.0	15.8	-2.0 (1.8)	-2.8 (1.8)
Year 2	17.2	17.3	17.8	-0.7 (2.0)	-0.5 (2.0)
Quarter 5	14.2	13.6	15.5	-1.3 (1.8)	-1.9 (1.8)
Quarter 6	14.5	12.2	14.7	-0.2 (1.8)	-2.5 (1.8)
Quarter 7	13.9	12.3	13.8	0.1 (1.8)	-1.5 (1.7)
Quarter 8	13.2	13.2	12.5	0.7 (1.7)	0.7 (1.7)
Year 3	13.5	13.7	13.2	0.3 (1.8)	0.5 (1.8)
Quarter 9	12.8	12.6	12.3	0.6 (1.7)	0.3 (1.7)
Quarter 10	12.1	11.8	11.3	0.8 (1.7)	0.5 (1.6)
Quarter 11	11.5	11.2	11.3	0.2 (1.7)	-0.1 (1.6)
Quarter 12	10.3	11.1	10.5	-0.1 (1.6)	0.6 (1.6)
Ever sanctioned in Years 1, 2, or 3	24.1	21.9	24.1	0.0 (2.2)	-2.2 (2.2)
Ever sanctioned in Years 2 or 3	18.6	19.0	18.9	-0.3 (2.0)	0.1 (2.0)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

[a] Sanction is defined as having SNAP case closed with reason “RW: Closure - Work Reg/E&T Disqualification”

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Appendix F

Impact analysis

I. Main tables for earnings, employment, receipt of public assistance, and well-being outcomes

Table F.1. Impacts on quarterly and annual total earnings, based on UI wage records

Total earnings ($)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Year 1	5,001	4,814	4,498	503 (331)	316 (319)
Quarter 1	863	842	885	-22 (79)	-43 (75)
Quarter 2	1,227	1,105	1,163	64 (98)	-59 (92)
Quarter 3	1,393	1,369	1,148	245** (105)	222** (103)
Quarter 4	1,518	1,498	1,303	215* (113)	196* (110)
Year 2	6,858	6,520	5,680	1,178*** (447)	840** (424)
Quarter 5	1,672	1,584	1,332	340*** (119)	251** (116)
Quarter 6	1,701	1,556	1,388	314** (123)	168 (118)
Quarter 7	1,694	1,663	1,494	200 (128)	169 (123)
Quarter 8	1,790	1,717	1,466	324** (133)	250** (127)
Year 3	7,350	6,932	6,165	1,185** (527)	767 (510)
Quarter 9	1,804	1,726	1,475	329** (134)	251* (129)
Quarter 10	1,841	1,673	1,507	334** (136)	166 (132)
Quarter 11	1,857	1,768	1,571	285** (140)	197 (138)
Quarter 12	1,735	1,643	1,575	160 (147)	67 (142)
Years 1, 2, and 3	19,026	18,242	16,398	2,628** (1,144)	1,847* (1,112)
Years 2 and 3	14,161	13,440	11,833	2,328** (922)	1,608* (893)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.2. Impacts on quarterly and annual employment rates and number of quarters employed, based on UI wage records

Employment rate (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Year 1	61.7	64.5	61.8	-0.1 (2.3)	2.8 (2.3)
Quarter 1	39.6	40.3	40.8	-1.3 (2.4)	-0.5 (2.4)
Quarter 2	43.4	43.3	43.3	0.1 (2.4)	0.1 (2.4)
Quarter 3	45.8	45.2	41.4	4.4* (2.4)	3.8 (2.4)
Quarter 4	43.6	46.1	43.4	0.2 (2.5)	2.7 (2.4)
Average quarterly employment rate in Year 1	43.1	43.7	42.2	0.9 (1.9)	1.5 (1.9)
Year 2	60.4	63.0	58.1	2.3 (2.4)	4.9** (2.4)
Quarter 5	45.5	47.3	42.6	2.9 (2.4)	4.8** (2.4)
Quarter 6	45.6	45.5	42.3	3.3 (2.4)	3.2 (2.4)
Quarter 7	44.2	45.5	43.4	0.8 (2.4)	2.1 (2.4)
Quarter 8	46.5	46.8	40.7	5.8** (2.5)	6.1** (2.4)
Average quarterly employment rate in Year 2	45.4	46.3	42.2	3.2 (2.0)	4.0** (2.0)
Year 3	58.9	57.4	55.1	3.8 (2.6)	2.4 (2.6)
Quarter 9	43.9	44.6	41.5	2.4 (2.5)	3.1 (2.5)
Quarter 10	44.7	42.1	41.8	2.9 (2.5)	0.4 (2.5)
Quarter 11	42.5	42.3	40.1	2.4 (2.5)	2.2 (2.5)
Quarter 12	42.6	43.6	40.0	2.7 (2.6)	3.6 (2.6)
Average quarterly employment rate in Year 3	44.1	43.1	41.2	2.9 (2.3)	1.9 (2.2)
Ever employed in Years 1, 2, or 3	77.6	81.4	77.1	0.5 (2.2)	4.3** (2.1)
Ever employed in Years 2 or 3	68.8	70.2	67.1	1.8 (2.4)	3.1 (2.4)
Average number of quarters employed					
Year 1	1.7	1.8	1.7	0.0 (0.1)	0.1 (0.1)
Year 2	1.8	1.9	1.7	0.1 (0.1)	0.2** (0.1)
Year 3	1.8	1.7	1.7	0.1 (0.1)	0.1 (0.1)
Years 1, 2, and 3	5.3	5.3	5.1	0.2 (0.2)	0.3 (0.2)
Years 2 and 3	3.6	3.6	3.4	0.2 (0.2)	0.2 (0.2)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.3. Impacts on quarterly and annual earnings, based on survey data

Total earnings ($)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Year 1	7,080	6,628	7,316	-235 (902)	-622 (924)
Quarter 1	1,185	1,148	1,443	-258 (259)	-263 (258)
Quarter 2	1,658	1,592	1,866	-208 (281)	-259 (260)
Quarter 3	2,049	1,763	1,904	145 (291)	-139 (280)
Quarter 4	2,225	2,125	2,101	124 (311)	37 (311)
Year 2	12,630	11,320	11,993	638 (1,363)	-508 (1,392)
Quarter 5	2,730	2,430	2,547	183 (343)	-98 (320)
Quarter 6	3,111	2,683	3,076	35 (377)	-354 (374)
Quarter 7	3,291	2,898	3,215	76 (395)	-264 (389)
Quarter 8	3,499	3,309	3,154	345 (398)	207 (455)
Year 3	14,352	11,202	12,869	1,483 (1,367)	-1,513 (1,288)
Quarter 9	3,773	3,192	3,426	347 (420)	-173 (410)
Quarter 10	3,737	3,077	3,384	353 (395)	-272 (377)
Quarter 11	3,524	2,701	3,164	360 (384)	-426 (347)
Quarter 12	3,318	2,232	2,895	423 (371)	-643** (314)
Years 1, 2, and 3	34,063	29,150	32,178	1,885 (2,786)	-2,643 (2,905)
Years 2 and 3	26,982	22,522	24,862	2,120 (2,428)	-2,021 (2,447)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.4. Impacts on quarterly and annual employment rates and number of months employed, based on survey data

Employment rate (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Year 1	59.6	55.3	59.7	-0.1 (4.4)	-4.1 (4.6)
Quarter 1	31.2	31.3	37.9	-6.7 (4.5)	-6.2 (4.6)
Quarter 2	41.6	35.3	47.7	-6.2 (4.6)	-11.8** (4.6)
Quarter 3	48.9	39.7	45.4	3.5 (4.5)	-5.3 (4.5)
Quarter 4	50.1	48.8	50.0	0.0 (4.5)	-0.7 (4.7)
Year 2	75.5	69.9	70.2	5.3 (4.0)	0.1 (4.3)
Quarter 5	59.4	56.3	59.1	0.3 (4.5)	-2.4 (4.6)
Quarter 6	59.6	56.1	59.7	0.0 (4.4)	-3.1 (4.5)
Quarter 7	59.8	59.5	64.0	-4.2 (4.4)	-4.0 (4.5)
Quarter 8	63.5	56.3	59.7	3.8 (4.6)	-2.9 (4.7)
Year 3	75.4	68.5	75.7	-0.2 (3.8)	-6.9* (4.0)
Quarter 9	65.5	59.1	63.3	2.2 (4.4)	-4.0 (4.6)
Quarter 10	60.8	59.0	64.5	-3.7 (4.5)	-5.3 (4.5)
Quarter 11	60.7	54.2	60.7	0.0 (4.6)	-6.4 (4.7)
Quarter 12	56.3	47.3	53.6	2.8 (4.5)	-6.2 (4.5)
Ever employed in Years 1, 2, or 3	87.6	83.7	85.5	2.2 (2.8)	-1.6 (3.4)
Ever employed in Years 2 or 3	83.7	79.3	83.0	0.7 (3.2)	-3.4 (3.6)
Employed at the time of the 12-month survey interview	43.9	40.5	44.0	0.0 (4.4)	-3.0 (4.5)
Employed at the time of the 36-month survey interview	53.6	42.8	51.8	1.8 (4.5)	-9.1** (4.6)
Average number of months employed					
Year 1	4.3	4.0	4.7	-0.4 (0.4)	-0.7 (0.4)
Year 2	6.7	6.2	6.8	-0.1 (0.5)	-0.5 (0.5)
Year 3	6.7	6.0	6.7	0.0 (0.5)	-0.7 (0.5)
Years 1, 2, and 3	17.6	16.2	18.1	-0.5 (1.0)	-1.9* (1.1)
Years 2 and 3	13.4	12.2	13.4	-0.1 (0.8)	-1.2 (0.8)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.5. Impacts on quarterly and annual average hours worked per week, based on survey data

Average number of hours worked per week	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Year 1	12.2	11.6	13.8	-1.6 (1.3)	-2.1 (1.4)
Quarter 1	8.2	8.1	10.7	-2.5 (1.6)	-2.4 (1.6)
Quarter 2	11.5	11.1	14.8	-3.3** (1.7)	-3.6** (1.7)
Quarter 3	14.1	12.3	14.3	-0.2 (1.7)	-1.9 (1.7)
Quarter 4	14.9	14.7	15.4	-0.5 (1.7)	-0.6 (1.7)
Year 2	19.7	18.7	20.3	-0.6 (1.9)	-1.4 (1.7)
Quarter 5	18.3	17.8	17.7	0.6 (1.9)	0.2 (1.8)
Quarter 6	19.2	18.4	20.3	-1.1 (2.0)	-1.7 (2.0)
Quarter 7	21.0	19.0	21.3	-0.3 (2.2)	-2.2 (2.0)
Quarter 8	20.4	19.6	21.8	-1.4 (2.3)	-2.0 (2.2)
Year 3	21.6	17.9	20.7	1.0 (1.9)	-2.7 (1.7)
Quarter 9	22.7	20.4	21.7	1.0 (2.3)	-1.1 (2.3)
Quarter 10	22.8	18.8	21.6	1.2 (2.3)	-2.8 (2.1)
Quarter 11	21.4	17.5	20.8	0.5 (2.2)	-3.3* (2.0)
Quarter 12	19.6	14.8	18.6	1.1 (2.2)	-3.7** (1.9)
Years 1, 2, and 3	17.8	16.0	18.2	-0.4 (1.3)	-2.1 (1.3)
Years 2 and 3	20.7	18.3	20.5	0.2 (1.7)	-2.1 (1.6)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

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Table F.6. Characteristics of current jobs, among individuals employed at the time of the interview and based on 36-month survey data

Characteristic (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employed at the time of the 36-month survey interview	53.6	42.8	51.8	1.8 (4.5)	-9.1** (4.6)
Hours worked per week					
Less than 20	10.7	18.4	8.9	1.8 (3.9)	9.2** (4.4)
21 to 34	22.1	19.8	23.7	-1.6 (6.0)	-4.4 (6.0)
35 or more (employed full time)	67.2	61.8	67.5	-0.2 (6.4)	-4.8 (6.5)
Average	38.7	34.5	37.9	0.8 (1.7)	-3.5** (1.6)
Weekly earnings					
$1 to $499	57.8	71.3	73.2	-15.5** (7.6)	-1.6 (7.0)
$500 to $999	38.0	24.2	23.5	14.5* (7.5)	0.3 (6.9)
$1,000 to $1,499	2.1	4.5	1.6	0.5 (2.0)	2.8 (1.8)
$1,500 to $2,000	1.3	0.0	0.9	0.4 (1.1)	-0.8 (0.9)
$2,000 and above	0.8	0.2	0.7	0.1 (1.5)	-0.5 (0.6)
Benefits available at job					
Any benefit	76.7	66.7	76.9	-0.2 (6.0)	-9.4 (5.8)
Health insurance or HMO/PPO plan	67.9	49.0	68.8	-0.9 (6.7)	-19.9*** (6.2)
Dental insurance	60.6	42.3	65.6	-5.0 (7.1)	-23.9*** (6.3)
Paid vacation	56.9	54.6	60.4	-3.5 (7.2)	-5.2 (6.8)
Paid holidays	57.1	53.7	58.8	-1.7 (7.1)	-4.2 (6.9)
Paid sick leave	42.3	45.7	46.9	-4.6 (7.2)	-0.1 (6.6)
Any paid time off	67.8	63.4	67.2	0.6 (6.5)	-2.5 (6.4)
Pension or retirement benefits	56.2	47.9	63.1	-6.8 (6.9)	-15.2** (6.3)
Tuition assistance or reimbursement	34.5	21.1	23.4	11.1* (6.4)	-1.8 (5.8)
Type of employment					
Regular full or part time	80.5	82.2	83.7	-3.2 (5.0)	-1.0 (4.6)
Temporary or on call	8.3	4.7	3.2	5.1 (3.2)	1.9 (2.5)
Self-employed or independent contractor or consultant	6.8	6.1	6.4	0.5 (2.9)	-0.2 (2.7)
Day laborer	4.4	6.9	6.8	-2.4 (2.9)	-0.7 (2.8)
Occupation					
Production	11.8	7.2	5.1	6.7** (3.4)	2.1 (3.5)
Transportation and material moving	12.1	7.5	13.2	-1.1 (4.4)	-5.9 (3.8)
Sales	6.2	10.8	7.4	-1.1 (2.9)	3.2 (3.7)
Food preparation and serving	5.9	10.2	10.4	-4.5 (3.3)	0.1 (3.7)
Office and administrative support	8.2	4.5	4.6	3.6 (2.9)	0.3 (2.7)
Building and grounds cleaning and maintenance	3.7	7.0	7.0	-3.3 (3.1)	-0.4 (3.5)
Construction and extraction	8.0	2.7	3.9	4.2 (3.0)	-1.3 (2.6)
Personal care and service	1.6	6.1	7.5	-5.9** (2.3)	-1.2 (3.4)
Health care support	10.0	1.2	3.4	6.7** (3.2)	-1.9 (1.9)

Table F.6. Characteristics of current jobs, among individuals employed at the time of the interview and based on 36-month survey data *(continued)*

Characteristic (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Management	0.7	6.9	3.9	-3.2 (2.1)	2.7 (3.0)
Sample size	**148**	**166**	**148**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.7. Characteristics of current jobs, among all individuals with 36-month survey data

Characteristic (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Hours worked per week					
0	53.6	61.8	52.2	1.4 (4.7)	9.8** (4.6)
1 to 20	4.7	6.4	4.0	0.6 (1.9)	2.2 (2.1)
21 to 34	9.7	7.6	11.5	-1.8 (3.1)	-4.0 (3.1)
35 or more (employed full time)	32.0	24.2	32.3	-0.3 (4.5)	-8.0* (4.1)
Average	18.2	13.3	18.2	0.0 (2.0)	-4.9*** (1.8)
Weekly earnings					
$0	62.7	68.2	60.7	2.0 (5.1)	7.4 (4.7)
$1 to $499	19.2	21.7	28.7	-9.5** (4.6)	-7.1 (4.5)
$500 to $999	16.1	8.9	9.4	6.8** (3.3)	-0.2 (2.8)
$1,000 to $1,499	1.3	1.3	0.7	0.6 (0.8)	0.7 (0.7)
$1,500 to $2,000	0.3	0.0	0.3	0.0 (0.4)	-0.3 (0.3)
$2,000 and above	0.3	0.0	0.3	0.1 (0.4)	-0.3 (0.3)
Benefits available at job					
Any benefit	35.9	25.3	36.5	-0.6 (4.7)	-11.2*** (4.1)
Health insurance or HMO/PPO plan	32.4	19.1	32.8	-0.4 (4.6)	-13.8*** (3.8)
Dental insurance	28.9	16.6	31.4	-2.5 (4.5)	-15.0*** (3.7)
Paid vacation	27.9	20.1	28.7	-0.8 (4.5)	-8.4** (4.0)
Paid holidays	28.6	20.8	27.8	0.8 (4.5)	-6.7* (4.0)
Paid sick leave	20.7	17.2	22.4	-1.6 (4.2)	-4.8 (3.7)
Any paid time off	32.5	24.3	31.8	0.7 (4.6)	-7.3* (4.2)
Pension or retirement benefits	26.5	18.4	30.1	-3.6 (4.5)	-11.5*** (3.9)
Tuition assistance or reimbursement	16.7	6.8	11.2	5.5 (3.4)	-4.3 (2.7)
Type of employment					
Not employed	53.1	61.4	52.5	0.6 (4.7)	9.1** (4.6)
Regular full or part time	37.9	31.4	39.7	-1.7 (4.6)	-8.5* (4.5)
Temporary or on call	3.5	1.9	1.4	2.0 (1.5)	0.5 (1.1)
Self-employed or independent contractor or consultant	3.3	2.1	3.1	0.3 (1.3)	-0.9 (1.1)
Day laborer	2.2	3.3	3.4	-1.2 (1.5)	-0.3 (1.5)
Occupation					
Production	6.4	4.1	2.7	3.8** (1.8)	1.5 (1.6)
Transportation and material moving	7.7	4.4	6.9	0.7 (2.5)	-2.3 (2.1)
Sales	3.4	4.3	3.9	-0.5 (1.6)	0.5 (1.8)
Food preparation and serving	3.3	3.7	5.3	-2.1 (1.9)	-1.6 (1.8)
Office and administrative support	4.4	1.7	2.3	2.1 (1.6)	-0.6 (1.3)

Table F.7. Characteristics of current jobs, among all individuals with 36-month survey data *(continued)*

Characteristic (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Building and grounds cleaning and maintenance	1.6	2.6	3.7	-2.1 (1.6)	-1.2 (1.8)
Construction and extraction	4.4	1.7	2.1	2.4 (1.6)	-0.2 (1.3)
Personal care and service	0.4	2.8	3.8	-3.4*** (1.3)	-1.1 (1.7)
Health care support	5.4	0.4	1.7	3.7** (1.7)	-1.3 (0.9)
Management	0.3	2.3	2.1	-1.8 (1.2)	0.2 (1.6)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.8. Impacts on quarterly and annual SNAP participation rates, based on SNAP administrative data

SNAP partcipation (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
SNAP participation by individual enrolled in pilot					
Year 1	99.0	99.1	98.1	0.9 (0.6)	1.0* (0.6)
Quarter 1	98.2	98.8	97.7	0.5 (0.7)	1.1* (0.7)
Quarter 2	61.1	64.8	52.1	9.0*** (2.5)	12.8*** (2.4)
Quarter 3	54.5	55.0	44.2	10.3*** (2.5)	10.8*** (2.5)
Quarter 4	48.6	48.2	39.4	9.1*** (2.5)	8.8*** (2.5)
Year 2	54.5	56.2	50.1	4.5* (2.5)	6.1** (2.5)
Quarter 5	43.4	42.4	36.7	6.7*** (2.5)	5.7** (2.5)
Quarter 6	40.8	40.2	34.7	6.1** (2.4)	5.5** (2.4)
Quarter 7	39.1	36.1	36.6	2.5 (2.4)	-0.5 (2.4)
Quarter 8	34.6	35.8	33.9	0.8 (2.4)	1.9 (2.4)
Year 3	42.9	45.5	47.1	-4.2* (2.5)	-1.5 (2.5)
Quarter 9	32.7	33.0	33.6	-0.9 (2.4)	-0.6 (2.4)
Quarter 10	33.8	34.4	35.6	-1.9 (2.4)	-1.2 (2.4)
Quarter 11	32.8	31.4	35.2	-2.4 (2.4)	-3.8 (2.4)
Quarter 12	30.8	31.1	34.8	-4.0* (2.4)	-3.8 (2.4)
Years 1, 2, or 3	99.4	99.2	99.0	0.3 (0.5)	0.2 (0.5)
Years 2 or 3	61.7	64.1	60.0	1.7 (2.4)	4.1* (2.5)
SNAP participation among any other household members					
Year 1	25.5	25.4	24.6	0.9 (1.9)	0.8 (1.8)
Quarter 1	19.7	21.9	21.2	-1.5 (1.7)	0.7 (1.7)
Quarter 2	14.4	15.6	16.2	-1.8 (1.7)	-0.5 (1.6)
Quarter 3	15.4	13.2	13.9	1.5 (1.7)	-0.7 (1.6)
Quarter 4	15.0	13.1	12.8	2.2 (1.7)	0.3 (1.6)
Year 2	20.8	19.1	17.7	3.1 (1.9)	1.4 (1.9)
Quarter 5	14.6	12.6	11.4	3.2** (1.6)	1.2 (1.6)
Quarter 6	14.4	13.6	12.2	2.2 (1.7)	1.4 (1.7)
Quarter 7	14.6	12.4	13.7	0.9 (1.7)	-1.3 (1.7)
Quarter 8	14.2	12.7	14.0	0.2 (1.7)	-1.3 (1.7)
Year 3	17.6	17.8	18.6	-1.0 (1.9)	-0.8 (1.9)
Quarter 9	13.8	12.6	13.7	0.1 (1.7)	-1.1 (1.7)
Quarter 10	14.6	13.2	14.3	0.3 (1.7)	-1.1 (1.7)
Quarter 11	14.0	11.8	13.6	0.4 (1.7)	-1.8 (1.6)
Quarter 12	13.0	13.6	13.6	-0.6 (1.7)	0.0 (1.7)
Years 1, 2, or 3	34.3	34.1	32.5	1.8 (2.1)	1.6 (2.1)
Years 2 or 3	24.9	23.8	22.3	2.6 (2.0)	1.5 (2.0)
SNAP participation by any individual in household[a]					

Table F.8. Impacts on quarterly and annual SNAP participation rates, based on SNAP administrative data *(continued)*

SNAP partcipation (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Year 1	0.6	1.2	0.5	0.0 (0.4)	0.7 (0.5)
Quarter 1	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Quarter 2	0.0	0.4	0.1	-0.1 (0.1)	0.3 (0.2)
Quarter 3	0.3	0.6	0.3	0.0 (0.3)	0.3 (0.3)
Quarter 4	0.5	0.7	0.5	-0.1 (0.4)	0.1 (0.4)
Year 2	1.9	1.4	1.0	0.9 (0.6)	0.5 (0.6)
Quarter 5	0.8	0.5	0.5	0.3 (0.4)	0.0 (0.4)
Quarter 6	1.0	0.6	0.5	0.4 (0.4)	0.0 (0.4)
Quarter 7	1.3	0.5	0.7	0.6 (0.5)	-0.2 (0.4)
Quarter 8	1.6	0.6	0.8	0.7 (0.5)	-0.2 (0.4)
Year 3	1.9	1.2	1.1	0.8 (0.6)	0.2 (0.5)
Quarter 9	1.9	0.9	0.4	1.5*** (0.5)	0.5 (0.4)
Quarter 10	1.3	0.5	0.7	0.6 (0.5)	-0.2 (0.4)
Quarter 11	1.4	0.5	0.5	0.9* (0.5)	-0.1 (0.4)
Quarter 12	1.2	0.7	0.5	0.6 (0.5)	0.2 (0.4)
Years 1, 2, or 3	99.4	99.2	99.0	0.3 (0.5)	0.2 (0.5)
Years 2 or 3	61.7	64.1	60.0	1.7 (2.4)	4.1* (2.5)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] Any individual in household includes the individual enrolled in the pilot and any other members of their household.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.9. Impacts on average monthly SNAP benefit amount per quarter and year, based on SNAP administrative data

Average SNAP benefits	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Average SNAP benefits received ($)					
Year 1	1,324	1,418	1,145	179*** (49)	273*** (50)
Quarter 1	511	552	486	25** (12)	66*** (12)
Quarter 2	306	339	258	48*** (17)	82*** (17)
Quarter 3	265	279	210	55*** (16)	69*** (17)
Quarter 4	243	248	191	52*** (16)	57*** (17)
Year 2	865	820	743	122** (60)	77 (61)
Quarter 5	234	219	189	45*** (17)	30* (17)
Quarter 6	224	209	177	47*** (17)	32* (17)
Quarter 7	212	203	185	27 (17)	18 (18)
Quarter 8	195	189	192	3 (18)	-2 (18)
Year 3	760	703	780	-19 (64)	-76 (61)
Quarter 9	187	173	192	-5 (18)	-19 (17)
Quarter 10	196	179	203	-7 (18)	-25 (17)
Quarter 11	189	180	195	-6 (18)	-16 (18)
Quarter 12	187	172	189	-1 (18)	-17 (17)
Years 1, 2, and 3	2,950	2,942	2,667	282** (139)	274* (141)
Years 2 and 3	1,625	1,524	1,522	103 (113)	1 (110)
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]					
Year 1	48.4	51.9	40.8	7.6*** (1.5)	11.0*** (1.5)
Quarter 1	77.0	81.5	70.6	6.4*** (1.4)	10.9*** (1.4)
Quarter 2	44.8	49.8	36.0	8.8*** (2.1)	13.8*** (2.1)
Quarter 3	37.4	40.3	29.1	8.3*** (2.0)	11.2*** (2.1)
Quarter 4	33.8	35.3	26.5	7.3*** (2.0)	8.8*** (2.0)
Year 2	27.7	27.5	24.6	3.1* (1.7)	2.9* (1.7)
Quarter 5	31.0	30.3	25.9	5.1** (2.0)	4.4** (2.0)
Quarter 6	28.7	27.7	23.9	4.8** (2.0)	3.8* (2.0)
Quarter 7	26.9	25.9	24.0	2.9 (1.9)	2.0 (2.0)
Quarter 8	24.2	25.1	24.0	0.2 (1.9)	1.1 (2.0)
Year 3	22.3	22.5	24.1	-1.9 (1.7)	-1.6 (1.7)
Quarter 9	22.7	23.1	23.7	-0.9 (1.9)	-0.6 (1.9)
Quarter 10	22.9	23.5	24.8	-1.9 (1.9)	-1.3 (1.9)
Quarter 11	22.0	22.5	24.2	-2.3 (1.9)	-1.8 (1.9)
Quarter 12	21.4	21.1	23.6	-2.2 (1.9)	-2.5 (1.9)
Years 1, 2, and 3	33.2	34.2	30.1	3.1** (1.3)	4.1*** (1.3)
Years 2 and 3	25.2	25.2	24.4	0.8 (1.5)	0.7 (1.5)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Table F.9. Impacts on average monthly SNAP benefit amount per quarter and year, based on SNAP administrative data *(continued)*

Note: Standard errors in parentheses.

[a] Maximum household SNAP benefit amounts normalized by household size.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.10. Impacts on quarterly and annual TANF participation rates and benefit amounts, based on SNAP administrative data

Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
TANF participation (%)					
Year 1	0.6	1.2	0.5	0.0 (0.4)	0.7 (0.5)
Quarter 1	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Quarter 2	0.0	0.4	0.1	-0.1 (0.1)	0.3 (0.2)
Quarter 3	0.3	0.6	0.3	0.0 (0.3)	0.3 (0.3)
Quarter 4	0.5	0.7	0.5	-0.1 (0.4)	0.1 (0.4)
Year 2	1.9	1.4	1.0	0.9 (0.6)	0.5 (0.6)
Quarter 5	0.8	0.5	0.5	0.3 (0.4)	0.0 (0.4)
Quarter 6	1.0	0.6	0.5	0.4 (0.4)	0.0 (0.4)
Quarter 7	1.3	0.5	0.7	0.6 (0.5)	-0.2 (0.4)
Quarter 8	1.6	0.6	0.8	0.7 (0.5)	-0.2 (0.4)
Year 3	1.9	1.2	1.1	0.8 (0.6)	0.2 (0.5)
Quarter 9	1.9	0.9	0.4	1.5*** (0.5)	0.5 (0.4)
Quarter 10	1.3	0.5	0.7	0.6 (0.5)	-0.2 (0.4)
Quarter 11	1.4	0.5	0.5	0.9* (0.5)	-0.1 (0.4)
Quarter 12	1.2	0.7	0.5	0.6 (0.5)	0.2 (0.4)
Years 1, 2, or 3	2.3	2.8	1.5	0.8 (0.7)	1.3* (0.7)
Years 2 or 3	37.5	14.0	14.9	22.6** (11)	-1.0 (6.7)
Average TANF benefit amounts received ($)					
Year 1	2	4	3	-1 (1.8)	1 (1.9)
Quarter 1	0	0	0	0 (0.0)	0 (0.0)
Quarter 2	0	2	0	0 (0.3)	1 (0.8)
Quarter 3	1	1	1	0 (0.6)	1 (0.9)
Quarter 4	1	1	2	-1 (1.2)	-1 (0.9)
Year 2	16	6	8	8 (6.0)	-2 (3.8)
Quarter 5	3	1	2	1 (1.6)	-1 (1.2)
Quarter 6	3	1	1	2 (1.5)	0 (1.1)
Quarter 7	4	2	2	2 (1.8)	0 (1.3)
Quarter 8	6	1	3	3 (2.0)	-1 (1.2)
Year 3	21	8	7	14** (6.4)	1 (4.2)
Quarter 9	7	3	2	5** (2.1)	1 (1.5)
Quarter 10	5	2	2	2 (1.9)	-1 (1.3)
Quarter 11	6	2	2	4** (1.9)	0 (1.2)
Quarter 12	5	2	1	3** (1.6)	1 (1.2)
Years 1, 2 and 3	39	18	18	21* (12)	0 (7.7)
Years 2 and 3	38	14	15	23** (11)	-1 (6.7)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

Table F.10. Impacts on quarterly and annual TANF participation rates and benefit amounts, based on SNAP administrative data *(continued)*

TANF = Temporary Assistance for Needy Families

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.11 Impacts on participation in other public assistance programs in the 36 months since random assignment, based on survey data

Program	Year 1					Year 2 or Year 3					Years 1, 2, or 3				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Public assistance receipt (%)															
General assistance	0.2	0.4	0.7	-0.5 (0.5)	-0.3 (0.6)	0.5	0.2	0.0	0.5 (0.3)	0.2 (0.2)	0.7	0.4	0.7	0.0 (0.6)	-0.3 (0.6)
Unemployment insurance	2.7	2.9	2.4	0.4 (1.4)	0.5 (1.4)	13.5	10.1	13.1	0.3 (3.2)	-2.9 (2.9)	15.3	13.0	14.6	0.8 (3.4)	-1.5 (3.1)
Supplemental Security Income	17.6	14.4	14.0	3.6 (3.1)	0.7 (3.0)	15.5	12.8	13.4	2.2 (3.1)	-0.5 (3.1)	25.8	20.7	20.8	5.0 (3.8)	0.3 (3.5)
Section 8, Housing Choice Vouchers, or Public Housing Assistance	4.0	8.7	8.0	-3.9* (2.0)	0.7 (2.7)	6.0	6.3	11.5	-5.5** (2.5)	-5.2** (2.5)	8.1	11.2	13.1	-5.0* (2.6)	-2.0 (3.0)
Medicaid	18.6	19.4	19.8	-1.3 (3.5)	-0.7 (3.4)	27.5	20.2	26.2	1.3 (4.2)	-6.1 (3.9)	34.8	30.2	32.5	2.4 (4.5)	-2.3 (4.2)
Supplemental Nutrition Program for Women, Infants, and Children (WIC)	3.0	7.1	7.2	-4.1* (2.1)	-0.2 (2.2)	12.2	14.0	14.8	-2.6 (3.0)	-1.0 (3.2)	13.3	16.6	16.8	-3.5 (3.2)	-0.3 (3.4)
Sample size	**268**	**281**	**256**			**268**	**281**	**256**			**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month survey, weighted data.

Note: Standard errors in parentheses. The 12-month survey requested information about receipt of public assistance benefits between the date of random assignment and the date of the 12-month interview. The 36-month survey requested information about receipt of public assistance benefits between the dates of the 12- and 36-month interviews. As a result, it is not possible to provide quarterly estimates in any year or to estimate receipt of assistance separately in Years 2 and 3.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.12. Impacts on food security, health, well-being, and housing status, based on 36-month survey data

Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Food security[a] (%)					
Living in a household that is food insecure	54.7	48.7	55.3	-0.6 (4.7)	-6.5 (4.7)
Living in a household with very low food security	37.0	30.5	40.5	-3.5 (4.5)	-10.1** (4.4)
Health and well-being					
Reported “very good” or “excellent” health status (versus “fair” or “poor”) (%)	31.5	33.3	31.0	0.6 (4.4)	2.7 (4.5)
Screened positively for depression[b] (%)	27.1	31.2	31.4	-4.2 (4.1)	0.4 (4.1)
Average self-esteem score (out of 5)	3.9	3.6	3.7	0.1 (0.1)	-0.2 (0.1)
Average self-efficacy score (out of 5)	3.5	3.5	3.5	0.0 (0.1)	0.0 (0.1)
Housing status (%)					
Owns or rents a home or an apartment	45.7	52.2	55.2	-9.5** (4.6)	-2.8 (4.5)
Lives with parents, relative, or friend	40.1	35.2	34.5	5.6 (4.5)	0.5 (4.5)
Shares housing with roommates, friends, or partner	8.7	7.5	5.2	3.5 (2.2)	2.4 (2.2)
Group quarters	0.7	0.1	0.2	0.4 (0.5)	-0.1 (0.2)
Homeless	2	4.3	4	-2 (1.4)	0.4 (1.7)
Incarcerated	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Other, don’t know, or refused	0.4	0.0	0.3	0.2 (0.4)	-0.2 (0.2)
Had housing at the time of the 36-month interview	97.9	95.7	96.0	1.9 (1.4)	-0.4 (1.7)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

[a] Food security measured over the 30 days prior to the 36-month interview.

[b] Depression measured two weeks prior to the 36-month interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.13. Impacts on annual employment rates and total earnings, based on UI wage records, by whether individuals started an employment or training-related activity

	Started an activity					Did not start an activity				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	63.3	65.4	65.8	-2.5 (2.9)	-0.4 (3.0)	60.0	62.4	54.2	5.8 (4.0)	7.9** (3.8)
Year 2	65.2	67.3	58.8	6.5** (2.9)	8.6*** (3.0)	52.1	56.5	56.7	-4.6 (4.1)	-0.3 (4.0)
Year 3	63.5	61.7	57.4	6.0* (3.2)	4.3 (3.4)	50.9	52.3	50.8	0.1 (4.4)	1.2 (4.1)
Years 1, 2, or 3	78.8	83.2	79.8	-1.0 (2.6)	3.4 (2.6)	75.0	77.9	72.0	3.0 (3.7)	5.6 (3.6)
Years 2 or 3	73.0	75.3	68.5	4.6 (2.9)	6.8** (3.0)	61.2	63.4	64.3	-3.2 (4.2)	-1.3 (4.0)
Total earnings ($)										
Year 1	5,026	4,640	5,049	-23 (409)	-414 (404)	5,247	4,902	3,498	1,749*** (564)	1,399*** (498)
Year 2	7,420	6,994	6,256	1,164** (566)	746 (573)	6,064	5,763	4,640	1,424** (724)	1,106* (614)
Year 3	7,994	7,786	6,709	1,286* (658)	1,069 (682)	6,093	5,643	5,177	917 (866)	432 (748)
Years 1, 2, and 3	20,259	19,320	18,206	2,052 (1,447)	1,121 (1,469)	17,043	16,304	13,134	3,908** (1,858)	3,074* (1,628)
Years 2 and 3	15,367	14,775	13,002	2,365** (1,163)	1,776 (1,202)	11,971	11,369	9,720	2,251 (1,502)	1,575 (1,292)
Sample size	**489**	**416**	**471**			**248**	**320**	**264**		

Source: SNAP employment and training evaluation UI wage records, weighted data. SNAP employment and training administrative service use data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Significantly different from individuals who did not start an activity at the 0.01/0.05/0.10 level, two-tailed test.

Table F.14. Impacts on annual employment rates and total earnings, based on UI wage records, by completion of employment or training-related activities

	Did not complete an activity					Completed education or training activities					Completed job search or job search training activities				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)															
Year 1	62.7	58.1	59.2	3.5 (6.9)	-0.9 (6.7)	62.8	68.5	67.3	-4.6 (3.2)	1.2 (3.4)	n.a.	n.a	n.a	n.a	n.a
Year 2	58.7	65.7	51.8	6.8 (6.9)	13.2** (6.5)	66.8	68.6	60.3	6.5** (3.2)	8.4** (3.4)	n.a.	n.a	n.a	n.a	n.a
Year 3	64.2	55.7	48.5	15.6** (7.4)	6.8 (7.4)	63.4	62.4	59.4	3.9 (3.6)	3.1 (3.9)	n.a.	n.a	n.a	n.a	n.a
Years 1, 2, or 3	77.2	81.3	77.3	-0.1 (6.1)	3.5 (5.9)	79.1	83.8	80.2	-1.1 (2.9)	3.5 (3.0)	n.a.	n.a	n.a	n.a	n.a
Years 2 or 3	71.6	74.0	67.7	3.9 (6.6)	5.1 (6.7)	73.1	75.3	68.6	4.5 (3.3)	6.9** (3.5)	n.a.	n.a	n.a	n.a	n.a
Total earnings ($)															
Year 1	5,271	3,903	4,745	526 (1,077)	-844 (927)	4,879	4,982	5,110	-231 (429)	-140 (460)	n.a.	n.a	n.a	n.a	n.a
Year 2	5,233	5,367	5,181	51 (1,257)	230 (1,184)	7,962	7,540	6,509	1,453** (626)	1,055 (676)	n.a.	n.a	n.a	n.a	n.a
Year 3	6,293	5,780	4,842	1,451 (1,316)	837 (1,352)	8,623	8,294	7,120	1,502** (746)	1,191 (816)	n.a.	n.a	n.a	n.a	n.a
Years 1, 2, and 3	17,716	15,498	15,138	2,579 (3,334)	82 (3,233)	20,999	20,473	18,844	2,155 (1,597)	1,652 (1,710)	n.a.	n.a	n.a	n.a	n.a
Years 2 and 3	11,957	11,311	9,963	1,994 (2,414)	1,114 (2,471)	16,356	15,724	13,655	2,701** (1,310)	2,103 (1,427)	n.a.	n.a	n.a	n.a	n.a
Sample size	**99**	**123**	**88**			**390**	**293**	**383**			**n.a.**	**n.a.**	**n.a.**		

Source: SNAP employment and training evaluation UI wage records, weighted data. SNAP employment and training administrative service use data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Significantly different from individuals who did not complete an activity at the 0.01/0.05/0.10 level, two-tailed test.

###/##/# Based on a joint test, impacts statistically differ across completion groups at the 0.01/0.05/0.10 level.

Table F.15. Impacts on annual employment rates and total earnings, based on survey data, by whether individuals started an employment or training-related activity

	Started an activity					Did not start an activity				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	63.1	59.1	62.1	1.0 (5.2)	-2.3 (5.7)	50.8	48.2	57.3	-6.5 (8.0)	-6.3 (8.6)
Year 2	78.0	70.1	74.5	3.5 (5.0)	-4.2 (5.4)	72.5	71.8	62.4	10.1 (7.5)	11.0 (7.9)
Year 3	78.6	67.7	77.2	1.5 (4.5)	-8.9* (4.9)	68.9	70.1	73.6	-4.7 (7.6)	-2.6 (7.9)
Years 1, 2, or 3	89.6	81.8	88.1	1.5 (3.2)	-5.8 (4.0)	84.8	87.6	81.0	3.8 (6.0)	7.1 (6.0)
Years 2 or 3	85.6	77.2	85.5	0.1 (3.8)	-7.9* (4.4)	80.4	83.8	78.5	1.9 (6.5)	5.8 (6.5)
Total earnings ($)										
Year 1	6,885	6,232	7,294	-409 (1,050)	-944 (1,017)	7,044	6,948	7,811	-767 (1,487)	-158 (2,157)
Year 2	12,780	11,702	11,307	1,473 (1,483)	442 (1,594)	13,523	12,406	13,135	388 (2,630)	-349 (2,819)
Year 3	15,557	11,284	12,707	2,850* (1,608)	-1,296 (1,533)	12,665	10,998	12,895	-230 (1,987)	-1,851 (2,055)
Years 1, 2, and 3	35,222	29,218	31,308	3,914 (3,202)	-1,798 (3,300)	33,232	30,353	33,842	-610 (4,928)	-2,359 (6,055)
Years 2 and 3	28,337	22,986	24,014	4,323 (2,708)	-854 (2,821)	26,188	23,404	26,031	157 (4,235)	-2,200 (4,591)
Employed at the time of the 36-month survey interview (%)	56.0	45.3	51.2	4.8 (5.4)	-6.8 (5.5)	50.0	36.0	51.0	-1.0 (8.2)	-16.2* (8.9)
Sample size	**193**	**191**	**176**			**75**	**90**	**80**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Significantly different from individuals who did not start an activity at the 0.01/0.05/0.10 level, two-tailed test.

n.a. Analyses are not presented for this group due to small sample size.

Table F.16. Impacts on annual employment rates and average earnings, based on survey data, by completion of employment or training-related activities

Outcome	Did not complete an activity					Completed education or training activities					Completed job search or job search training activities				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)															
Year 1	62.3	65.1	50.7	11.7 (17.4)	10.9 (15.5)	66.0	61.7	63.5	2.5 (5.3)	-1.5 (6.0)	n.a.	n.a.	n.a.	n.a.	n.a.
Year 2	52.7	70.0	80.4	-27.7 (16.6)	-10.6 (15.4)	80.9	71.3	73.2	7.6 (5.4)^^	-2.0 (5.4)	n.a.	n.a.	n.a.	n.a.	n.a.
Year 3	79.8	62.3	88.8	-9.0 (14.3)	-28.6* (16.0)	78.5	71.9	75.7	2.8 (4.9)	-3.5 (5.0)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 1, 2, or 3	88.1	81.3	96.6	-8.5 (5.6)	-14.4** (6.5)	90.8	84.7	86.9	3.8 (3.5)^	-2.0 (4.1)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 2 or 3	92.0	78.8	90.6	1.4 (12.4)	-14.4 (13.8)	86.2	79.9	84.2	2.1 (4.3)	-4.1 (4.3)	n.a.	n.a.	n.a.	n.a.	n.a.
Total earnings ($)											n.a.	n.a.	n.a.	n.a.	n.a.
Year 1	6,072	6,480	9,786	-3,713 (3,272)	-4,147 (3,195)	6,769	6,124	6,740	29 (1,055)	-576 (1,022)	n.a.	n.a.	n.a.	n.a.	n.a.
Year 2	10,171	11,460	10,968	-797 (4,686)	-594 (3,548)	12,530	12,416	11,234	1,296 (1,514)	1,189 (1,715)	n.a.	n.a.	n.a.	n.a.	n.a.
Year 3	15,443	9,010	11,912	3,531 (4,732)	-3,845 (3,313)	15,166	12,874	12,598	2,568 (1,640)	355 (1,732)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 1, 2, and 3	31,687	26,950	32,666	-979 (6,880)	-8,586 (7,111)	34,465	31,413	30,573	3,892 (3,400)	968 (3,575)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 2 and 3	25,614	20,470	22,880	2,734 (6,660)	-4,439 (6,650)	27,696	25,290	23,833	3,863 (2,876)	1,544 (3,060)	n.a.	n.a.	n.a.	n.a.	n.a.
Employed at the time of the 36-month survey (%)	44.6	29.1	47.8	-3.2 (20.2)	-19.2 (19.2)	54.9	48.9	51.4	3.5 (5.8)	-3.0 (5.9)	n.a.	n.a.	n.a.	n.a.	n.a.
Sample size	**25**	**39**	**24**			**168**	**152**	**152**			**n.a.**	**n.a.**	**n.a.**		

Table F.16. Impacts on annual employment rates and average earnings, based on survey data, by completion of employment or training-related activities *(continued)*

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data. SNAP employment and training administrative service use data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Significantly different from individuals who did not complete an activity at the 0.01/0.05/0.10 level, two-tailed test.

###/##/# Based on a joint test, impacts statistically differ across completion groups at the 0.01/0.05/0.10 level.

n.a. Analyses are not presented for this group due to small sample size.

Table F.17. Impacts on annual SNAP participation rates, SNAP benefit amounts, number of months of SNAP participation, and SNAP exit rates, based on SNAP administrative data, by whether individuals started an employment or training-related activity

	Started an activity					Did not start an activity				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
SNAP participation by individual enrolled in pilot (%)										
Year 1	100.0	99.3	98.3	1.7*** (0.6)	1.0 (0.7)	97.2	98.7	97.8	-0.6 (1.3)	1.0 (1.0)
Year 2	57.2	63.3	51.2	6.0* (3.1)	12.2*** (3.2)^^^	49.3	46.2	48.2	1.1 (4.3)	-1.9 (4.0)
Year 3	45.4	47.1	46.3	-0.9 (3.1)^^	0.9 (3.3)	35.1	42.6	48.6	-13.5*** (4.2)	-5.9 (4.1)
Years 1, 2, or 3	99.9	99.6	98.9	0.9** (0.5)^	0.7 (0.5)	98.2	98.6	99.2	-1.0 (0.9)	-0.7 (0.8)
Years 2 or 3	64.5	68.9	61.0	3.5 (3.0)	7.9** (3.1)^	55.0	57.0	58.4	-3.4 (4.2)	-1.4 (4.0)
Average SNAP benefits received ($)										
Year 1	1,522	1,566	1,244	278*** (65)^^^	324*** (68)	971	1,251	973	-2 (73)	278*** (75)
Year 2	866	924	805	61 (74)	121 (85)	858	679	634	224** (106)	45 (84)
Year 3	781	699	775	6 (80)	-73 (78)	689	694	794	-105 (111)	-98 (99)
Years 1, 2, and 3	3,169	3,189	2,824	345* (176)	372* (192)	2,518	2,624	2,401	117 (234)	225 (208)
Years 2 and 3	1,647	1,623	1,580	67 (139)	48 (148)	1,547	1,373	1,428	119 (197)	-53 (163)
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]										
Year 1	55.5	57.5	43.5	12.1*** (1.9)^^^	14.1*** (1.9)^^	34.9	44.2	36.3	-1.4 (2.4)	7.9*** (2.4)
Year 2	29.1	30.7	26.1	3.0 (2.1)	4.7** (2.3)	24.1	22.4	22.0	2.1 (2.8)	0.5 (2.6)
Year 3	23.6	22.7	23.8	-0.3 (2.1)^	-1.1 (2.1)	18.0	21.2	24.8	-6.8** (2.7)	-3.6 (2.7)
Years 1, 2, and 3	36.3	37.1	31.3	5.0*** (1.6)^^	5.8*** (1.7)	26.3	29.7	27.9	-1.6 (2.2)	1.8 (2.1)
Years 2 and 3	26.5	26.8	25.0	1.5 (1.9)	1.8 (2.0)	21.4	22.0	23.6	-2.2 (2.5)	-1.5 (2.4)

Table F.17. Impacts on annual SNAP participation rates, SNAP benefit amounts, number of months of SNAP participation, and SNAP exit rates, based on SNAP administrative data, by whether individuals started an employment or training-related activity *(continued)*

	Started an activity					Did not start an activity				
Outcome	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**
Mean number of months of SNAP participation	15.6	16.0	13.8	1.8*** (0.7)^^	2.2*** (0.7)^^	11.8	12.4	12.5	-0.8 (0.9)	-0.1 (0.9)
Exited SNAP within 36 months of random assignment (%)	92.2	91.9	92.1	0.0 (1.7)	-0.2 (1.8)	96.9	95.2	95.5	1.5 (1.7)	-0.2 (1.7)
Sample size	**489**	**416**	**471**			**248**	**320**	**264**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data. SNAP employment and training administrative service use data.

Note: Standard errors in parentheses.

[a] Maximum household SNAP benefit amounts normalized by household size.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Significantly different from individuals who did not start an activity at the 0.01/0.05/0.10 level, two-tailed test.

Table F.18. Impacts on annual SNAP participation rates, SNAP benefit amounts, number of months of SNAP participation, and SNAP exit rates, based on SNAP administrative data, by completion of employment or training-related activities

	Did not complete an activity					Completed education or training activities					Completed job search or job search training activities				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
SNAP participation by individual enrolled in pilot (%)															
Year 1	99.9	98.8	97.8	2.1 (1.3)	1.1 (1.6)	99.9	99.4	98.5	1.4** (0.6)	1.0 (0.7)	n.a.	n.a.	n.a.	n.a.	n.a.
Year 2	51.6	57.5	44.3	7.3 (7.0)	13.2* (6.8)	58.5	65.3	52.9	5.6 (3.4)	12.7*** (3.7)	n.a.	n.a.	n.a.	n.a.	n.a.
Year 3	47.1	39.5	42.3	4.9 (7.1)	-2.5 (6.8)	44.7	50.7	47.4	-2.7 (3.5)	3.5 (3.7)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 1, 2, or 3	100.0	99.0	99.0	1.0 (0.9)	0.1 (1.1)	99.8	99.9	99.0	0.9* (0.5)	0.9* (0.6)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 2 or 3	59.2	64.1	58.0	1.1 (6.9)	6.1 (6.6)	65.5	70.6	61.8	3.8 (3.3)	9.1** (3.6)	n.a.	n.a.	n.a.	n.a.	n.a.
Average SNAP benefits received ($)															
Year 1	1,039	1,199	1,143	-104 (141)	58 (134)	1,612	1,689	1,268	344*** (70)^^^	425*** (76)^^	n.a.	n.a.	n.a.	n.a.	n.a.
Year 2	773	751	680	93 (184)	62 (172)	874	955	835	39 (80)	126 (99)	n.a.	n.a.	n.a.	n.a.	n.a.
Year 3	1,027	726	683	345 (224)	15 (175)	711	704	795	-84 (81)^	-84 (85)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 1, 2, and 3	2,839	2,677	2,506	333 (461)	136 (402)	3,196	3,348	2,897	299 (185)	467** (217)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 2 and 3	1,800	1,478	1,362	438 (377)	78 (317)	1,585	1,659	1,629	-45 (145)	42 (166)	n.a.	n.a.	n.a.	n.a.	n.a.
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]															
Year 1	38.1	47.2	40.1	-2.0 (4.2)	7.3* (4.1)	59.5	61.5	44.3	15.2*** (2.1)^^^	17.3*** (2.2)^^	n.a.	n.a.	n.a.	n.a.	n.a.

Table F.18. Impacts on annual SNAP participation rates, SNAP benefit amounts, number of months of SNAP participation, and SNAP exit rates, based on SNAP administrative data, by completion of employment or training-related activities *(continued)*

	Did not complete an activity					Completed education or training activities					Completed job search or job search training activities				
Outcome	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**
Year 2	23.3	26.4	20.5	2.8 (4.6)	5.8 (4.5)	30.3	31.8	27.4	2.9 (2.4)	4.5* (2.6)	n.a.	n.a.	n.a.	n.a.	n.a.
Year 3	26.0	23.8	19.3	6.8 (4.9)	4.2 (4.7)	22.7	22.9	24.9	-2.2 (2.3)	-1.9 (2.4)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 1, 2, and 3	29.6	32.9	27.0	2.6 (3.9)	5.8 (3.7)	37.7	38.8	32.4	5.4*** (1.8)	6.5*** (1.9)	n.a.	n.a.	n.a.	n.a.	n.a.
Years 2 and 3	25.0	25.3	20.0	5.0 (4.3)	5.1 (4.1)	26.6	27.4	26.1	0.5 (2.1)	1.4 (2.2)	n.a.	n.a.	n.a.	n.a.	n.a.
Sample size	**99**	**123**	**88**			**390**	**293**	**383**			**n.a.**	**n.a.**	**n.a.**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data. SNAP employment and training administrative service use data.

Note: Standard errors in parentheses.

[a] Maximum household SNAP benefit amounts normalized by household size.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Significantly different from individuals who did not complete an activity at the 0.01/0.05/0.10 level, two-tailed test.

n.a. Analyses are not presented for this group due to small sample size.

Table F.19. Impacts on Year 2 and 3 outcomes, by timing of enrollment

Outcome	Earlier enrollment (March 2016 to June 2017)					Later enrollment (July 2017 to December 2017)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%) based on UI data	69.5	69.8	66.7	2.8 (2.7)	3.1 (2.7)	66.0	71.3	68.8	-2.8 (5.7)	2.5 (5.4)
Employment rate (%) based on survey data	84.3	78.6	82.3	2.0 (3.8)	-3.5 (4.4)	82.9	82.3	85.1	-2.1 (5.7)	-2.4 (6.1)
Total earnings ($) based on UI data	14,882	13,696	11,995	2,887*** (1,063)	1,708* (1,012)	11,135	12,350	11,171	-36 (1,747)	1,163 (1,887)
Total earnings ($) based on survey data	26,888	23,336	25,140	1,748 (2,765)	-1,661 (2,947)	25,862	20,692	23,734	2,129 (4,406)	-2,602 (4,079)
Average number of hours worked per week	21.0	18.4	20.7	0.3 (1.9)	-2.3 (1.9)	19.6	18.1	19.6	0.0 (3.1)	-1.4 (2.6)
SNAP participation (%)	62.3	64.1	59.2	3.1 (2.9)	4.9* (2.9)	60.1	64.0	61.8	-1.8 (4.6)	2.1 (4.6)
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]	25.7	26.3	24.6	1.1 (1.8)	1.8 (1.9)	24.0	22.2	24.0	0.0 (2.7)	-1.8 (2.6)
Average number of months of SNAP participation	7.8	7.6	7.4	0.3 (0.5)	0.2 (0.5)	7.2	7.0	7.6	-0.3 (0.8)	-0.6 (0.8)
Living in a household that is food insecure[b]	54.5	47.8	54.5	0.0 (5.3)	-6.2 (5.3)	49.0	50.7	58.3	-9.3 (9.2)	-7.4 (9.3)
Living in a household with very low food security[b]	37.2	29.4	40.7	-3.5 (5.0)	-10.4** (4.9)	32.8	33.4	39.4	-6.6 (9.0)	-9.0 (9.2)
Sample size (UI)	**527**	**519**	**522**			**210**	**217**	**213**		
Sample size (survey)	**200**	**197**	**191**			**68**	**84**	**65**		
Sample size (SNAP)	**527**	**519**	**522**			**210**	**217**	**213**		

Table F.19. Impacts on Year 3 outcomes, by timing of enrollment *(continued)*

Source: SNAP employment and training evaluation UI wage records, weighted data. SNAP employment and training evaluation 36-month survey, weighted data. SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Outcomes based on UI data include employment rate and earnings. Outcomes based on survey data include employment rate, earnings, average number of hours worked per week, and food security status. Outcomes based on SNAP administrative data include SNAP participation status, monthly SNAP benefit amount, and duration of SNAP participation. Standard errors in parentheses.

[a] Maximum household SNAP benefit amounts normalized by household size.

[b] Food security measured over the 30 days prior to the 36-month survey interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

^^^/^^/^ Significantly different from earlier enrollment at the 0.01/0.05/0.10 level, two-tailed test.

II. Changes in earnings, employment, receipt of public assistance, and well-being outcomes over time

Table F.20. Changes in employment, based on UI wage records

Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment patterns[a] (%)					
Consistently employed in Quarters 1 through 12	24.9	22.4	22.3	2.6 (2.2)	0.1 (2.2)
Sometimes employed in Quarters 1 through 12	38.8	43.5	39.4	-0.6 (2.7)	4.1 (2.7)
Seldom or never employed in Quarters 1 through 12	36.4	34.0	38.3	-2.0 (2.5)	-4.3* (2.5)
Number of unemployment spells in Quarters 1 through 12 (%)					
0	8.4	11.3	10.3	-1.9 (1.6)	1.0 (1.6)
1	56.0	48.3	50.8	5.3* (2.7)	-2.5 (2.7)
2 or more	35.6	40.4	38.9	-3.3 (2.7)	1.5 (2.7)
Among those employed at random assignment, number of unemployment spells in Quarters 1 through 12 (%)					
0	18.2	25.2	20.4	-2.2 (3.6)	4.7 (3.8)
1	50.7	37.4	45.0	5.7 (4.6)	-7.6 (4.6)
2 or more	31.1	37.4	34.6	-3.5 (4.4)	2.9 (4.5)
Among those unemployed at random assignment, number of unemployment spells in Quarters 1 through 12 (%)					
0	3.3	5.0	4.4	-1.1 (1.3)	0.7 (1.5)
1	57.7	53.5	54.2	3.5 (3.4)	-0.6 (3.4)
2 or more	39.0	41.4	41.4	-2.5 (3.4)	0.0 (3.3)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

[a] Employment patterns are defined using UI wage records for the 12 quarters following random assignment. "Consistently employed" includes individuals who were employed for at least 10 out of 12 quarters following random assignment. "Sometimes employed" includes individuals who were employed for 3 to 9 quarters following random assignment. "Seldom or never employed" includes individuals who were employed for 0 to 3 quarters following random assignment.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.21. Changes in employment, by employment patterns in Quarters 1 through 12 after random assignment, based on UI wage records

	Consistently employed					Sometimes employed					Seldom or never employed				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Average number of quarters employed															
Year 1	3.5	3.6	3.6	-0.1 (0.1)	0.0 (0.1)	1.8	1.9	2.0	-0.2* (0.1)	-0.1 (0.1)	0.3	0.4	0.3	0.0 (0.1)	0.1 (0.1)
Year 2	3.9	3.9	3.9	0.0 (0.1)	0.0 (0.1)	2.1	2.1	2.0	0.1* (0.1)	0.2 (0.1)	0.1	0.1	0.1	-0.1 (0.1)	0.0 (0.1)
Year 3	3.7	3.8	3.8	-0.1* (0.1)	0.0 (0.1)	2.0	1.9	1.9	0.1 (0.1)	0.0 (0.1)	0.2	0.2	0.1	0.1† (0.1)	0.0 (<0.1)
Years 1, 2, and 3	11.1	11.3	11.2	-0.2 (0.1)	0.1 (0.1)	6.0	5.9	5.9	0.0* (0.1)	0.0 (0.1)	0.6	0.7	0.6	0.0 (0.1)	0.1 (0.1)
Years 2 and 3	7.6	7.7	7.7	-0.1 (0.1)	0.0 (0.1)	4.1	4.0	3.9	0.2* (0.1)	0.1 (0.1)	0.3	0.3	0.3	0.0 (0.1)	0.0 (0.1)
Number of unemployment spells in Quarters 1 through 12 (%)															
0	35.2	51.1	46.3	-11.2** (5.5)	5.0 (5.7)	0.0	0.0	0.0	0.0 (0.4)	0.0 (0.5)	0.0	0.0	0.0	0.0 (0.3)	0.0 (0.4)
1	54.8	39.5	42.0	12.8** (5.7)	-2.7 (5.8)	34.4	33.1	32.0	2.3 (4.2)	1.0 (4.0)	79.4	73.0	75.1	4.3 (3.8)	-2.0 (4.1)
2 or more	10	9.4	11.6	-1.6 (3.6)	-2.3 (3.6)	65.8	67	68	-2.1 (4.2)	-0.9 (4.0)	20.9	27.1	24.9	-3.9 (3.8)	2.2 (4.1)
Sample size	**167**	**145**	**145**			**256**	**286**	**256**			**228**	**212**	**249**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Employment patterns are defined using UI wage records for the 12 quarters following random assignment. “Consistently employed” includes individuals who were employed for at least 10 out of 12 quarters following random assignment. “Sometimes employed” includes individuals who were employed for 3 to 9 quarters following random assignment. “Seldom or never employed” includes individuals who were employed for 0 to 3 quarters following random assignment. Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.22. Changes in employment, based on survey data

Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment patterns[a] (%)					
Consistently employed in Quarters 1 through 12	30.4	26.0	33.6	-3.3 (4.2)	-7.3* (4.2)
Sometimes employed in Quarters 1 through 12	49.8	47.9	46.4	3.4 (4.7)	1.4 (4.7)
Seldom or never employed in Quarters 1 through 12	19.8	26.1	19.9	-0.1 (3.5)	5.9 (3.8)
Experienced a job loss (%)					
Year 1	34.7	33.7	36.8	-2.1 (4.5)	-2.7 (4.6)
Year 2	39.5	41.9	35.9	3.6 (4.6)	6.4 (4.7)
Year 3	47.5	43.1	42.8	4.7 (4.8)	0.6 (4.8)
Years 1, 2, or 3	75.7	75.1	71.1	4.6 (4.1)	4.2 (4.2)
Years 2 or 3	67.6	64.5	62.2	5.4 (4.5)	3.0 (4.6)
Number of unemployment spells in Quarters 1 through 12 (%)					
0	5.0	5.8	6.9	-1.9 (2.2)	-1.2 (2.1)
1	39.6	42.0	46.6	-7.0 (4.7)	-4.6 (4.8)
2 or more	55.4	52.2	46.5	8.9* (4.7)	5.8 (4.9)
Among those not employed at the time of the 12-month interview, percentage employed at 36 months	27.0	26.8	32.5	-5.6 (5.6)	-5.7 (5.5)
Among those employed at the time of the 12-month interview, percentage employed at 36 months	75.8	64.8	71.6	4.2 (6.3)	-7.5 (6.1)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

[a] Employment patterns are defined using survey data for the 12 quarters following random assignment. “Consistently employed” includes individuals who were employed for at least 10 out of 12 quarters following random assignment. “Sometimes employed” includes individuals who were employed for 3 to 9 quarters following random assignment. “Seldom or never employed” includes individuals who were employed for 0 to 3 quarters following random assignment.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.23. Changes in number of jobs held, based on survey data

Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Average number of jobs held					
Year 1	0.9	0.8	0.9	0.0 (0.1)	-0.1 (0.1)
Year 2	1.1	1.0	1.0	0.1 (0.1)	0.1 (0.1)
Year 3	1.1	1.0	1.1	0.0 (0.1)	-0.1* (0.1)
Years 1, 2, and 3	2.1	1.9	2.0	0.0 (0.1)	-0.1 (0.1)
Years 2 and 3	1.6	1.4	1.5	0.1 (0.1)	-0.1 (0.1)
Number of jobs held at the time of the 12-month interview (%)					
0	55.4	60.5	56.9	-1.5 (4.4)	3.2 (4.5)
1	42.5	36.1	39.6	2.9 (4.5)	-3.2 (4.5)
2 or more	2.1	3.4	3.5	-1.4 (1.7)	0.0 (1.8)
Number of jobs held at the time of the 36-month interview (%)					
0	51.9	59.6	50.5	1.4 (4.5)	9.0** (4.5)
1	46.7	38.8	45.5	1.1 (4.5)	-6.6 (4.5)
2 or more	1.5	1.6	4.0	-2.5* (1.3)	-2.4* (1.4)
Among those not employed at the time of the 12-month interview, percentage employed at 2 or more jobs at 36 months	0.8	0.5	2.0	-1.3 (1.1)	-1.6 (1.1)
Among those employed at 1 job at the time of the 12-month interview, percentage employed at 2 or more jobs at 36 months	2.2	3.8	6.0	-3.8 (2.6)	-2.4 (3.0)
Among those employed at 2 or more jobs at the time of the 12-month interview, percentage employed at 2 or more jobs at 36 months	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.24. Changes in wages and job characteristics, among all individuals, based on survey data

Outcome	12 months after random assignment					36 months after random assignment				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Weekly earnings (%)										
$1 to $499	57.5	63.6	58.6	-1.1 (4.4)	4.7 (4.4)	71.6	70.4	66.1	5.6 (4.4)	4.1 (4.3)
$500 to $999	32.2	30.1	35.9	-3.6 (4.4)	-5.3 (4.4)	14.5	19.7	25.1	-10.6*** (3.9)	-5.3 (3.9)
$1,000 to $1,499	8.5	4.9	5.3	3.2 (2.3)	-0.5 (1.9)	12.4	8.7	7.7	4.7* (2.7)	1.1 (2.5)
$1,500 to $2,000	1.5	1.4	0.3	1.2 (0.9)	1.2 (0.8)	0.9	1.1	0.6	0.3 (0.6)	0.5 (0.6)
$2,000 and above	0.3	0.0	0.0	0.3 (0.4)	0.0 (0.0)	0.2	0.0	0.3	-0.1 (0.3)	-0.3 (0.3)
Benefits available at job (%)										
Any benefit	26.2	24.5	29.4	-3.2 (4.2)	-4.9 (4.2)	20.9	20.8	26.8	-5.9 (4.1)	-5.7 (3.8)
Health insurance or HMO/PPO plan	19.3	18.3	22.0	-2.7 (3.9)	-3.8 (3.9)	18.5	16.6	22.9	-4.5 (3.9)	-6.2* (3.5)
Dental insurance	17.8	16.9	19.6	-1.8 (3.9)	-2.9 (3.9)	15.5	14.2	22.4	-6.9* (3.9)	-8.1** (3.4)
Paid vacation	17.0	14.8	19.6	-2.6 (3.7)	-4.9 (3.6)	16.4	15.6	19.9	-3.5 (3.7)	-4.0 (3.4)
Paid holidays	16.5	15.7	16.2	0.3 (3.8)	-0.6 (3.6)	16.5	17.5	20.5	-4.0 (3.7)	-2.5 (3.5)
Paid sick leave	12.8	12.8	14.0	-1.2 (3.4)	-1.3 (3.4)	12.4	13.4	15.2	-2.8 (3.4)	-1.4 (3.1)
Any paid time off	22.1	19.8	24.2	-2.1 (4.0)	-4.3 (4.0)	18.6	19.6	22.7	-4.1 (3.9)	-2.6 (3.6)
Pension or retirement benefits	15.8	14.9	19.6	-3.8 (3.6)	-4.7 (3.6)	14.6	14.2	20.6	-6.0 (3.8)	-6.1* (3.4)
Tuition assistance or reimbursement	6.6	7.4	8.3	-1.6 (2.8)	-1.1 (2.7)	8.1	5.8	7.8	0.3 (2.7)	-1.9 (2.3)
Occupation (top 10 at 12 months after random assignment) (%)										
Food preparation and serving	8.0	8.6	10.9	-2.9 (2.7)	-2.3 (2.6)	3.9	5.2	5.5	-1.6 (1.9)	-0.3 (1.9)
Production	9.7	10.4	6.9	2.8 (2.5)	3.6 (2.8)	9.0	9.0	3.1	5.9*** (2.1)	6.0*** (2.3)
Sales	5.9	5.9	6.3	-0.5 (2.1)	-0.2 (2.1)	5.1	4.7	5.8	-0.7 (2.0)	-1.1 (2.2)

Table F.24. Changes in wages and job characteristics, among all individuals, based on survey data *(continued)*

Outcome	12 months after random assignment					36 months after random assignment				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Transportation and material moving	5.9	4.7	5.4	0.5 (2.1)	-0.8 (1.9)	7.9	4.6	8.1	-0.2 (2.6)	-3.2 (2.2)
Office and administrative support	6.0	2.1	4.8	1.2 (1.9)	-2.6* (1.4)	4.9	2.3	2.6	2.3 (1.7)	-0.2 (1.4)
Building and grounds cleaning and maintenance	4.0	5.0	5.1	-1.2 (1.9)	-0.1 (2.1)	2.6	3.8	4.3	-1.7 (1.8)	-0.5 (1.9)
Construction and extraction	2.5	3.2	1.7	0.8 (1.3)	1.6 (1.3)	6.2	2.3	2.3	3.9** (1.9)	0.1 (1.3)
Health care support	5.7	1.1	0.8	4.9*** (1.5)	0.4 (0.9)	6.0	0.6	1.9	4.0** (1.8)	-1.3 (0.9)
Personal care and service	2.7	2.0	1.5	1.2 (1.0)	0.5 (0.9)	1.0	2.8	4.0	-3.1** (1.4)	-1.3 (1.8)
Educational instruction and library	1.2	0.3	1.9	-0.6 (1.3)	-1.6 (1.0)	1.5	0.2	1.9	-0.4 (1.3)	-1.6* (0.9)
Occupation (top 10 at 36 months after random assignment) (%)										
Production	9.7	10.4	6.9	2.8 (2.5)	3.6 (2.8)	9.0	9.0	3.1	5.9*** (2.1)	6.0*** (2.3)
Transportation and material moving	5.9	4.7	5.4	0.5 (2.1)	-0.8 (1.9)	7.9	4.6	8.1	-0.2 (2.6)	-3.2 (2.2)
Sales	5.9	5.9	6.3	-0.5 (2.1)	-0.2 (2.1)	5.1	4.7	5.8	-0.7 (2.0)	-1.1 (2.2)
Food preparation and serving	8.0	8.6	10.9	-2.9 (2.7)	-2.3 (2.6)	3.9	5.2	5.5	-1.6 (1.9)	-0.3 (1.9)
Office and administrative support	6.0	2.1	4.8	1.2 (1.9)	-2.6* (1.4)	4.9	2.3	2.6	2.3 (1.7)	-0.2 (1.4)
Building and grounds cleaning and maintenance	4.0	5.0	5.1	-1.2 (1.9)	-0.1 (2.1)	2.6	3.8	4.3	-1.7 (1.8)	-0.5 (1.9)
Construction and extraction	2.5	3.2	1.7	0.8 (1.3)	1.6 (1.3)	6.2	2.3	2.3	3.9** (1.9)	0.1 (1.3)
Personal care and service	2.7	2.0	1.5	1.2 (1.0)	0.5 (0.9)	1.0	2.8	4.0	-3.1** (1.4)	-1.3 (1.8)
Health care support	5.7	1.1	0.8	4.9*** (1.5)	0.4 (0.9)	6.0	0.6	1.9	4.0** (1.8)	-1.3 (0.9)
Management	0.1	0.3	0.3	-0.2 (0.3)	-0.1 (0.4)	0.3	3.4	2.7	-2.4* (1.3)	0.7 (1.7)
Sample size	**268**	**281**	**256**			**268**	**281**	**256**		

Table F.24. Changes in wages and job characteristics, among all individuals, based on survey data *(continued)*

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.25. Changes in SNAP participation, based on SNAP administrative data

Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Average number of months participating in SNAP					
Year 1	6.8	7.1	5.9	0.9*** (0.2)	1.3*** (0.2)
Year 2	4.2	4.0	3.7	0.4* (0.2)	0.3 (0.2)
Year 3	3.5	3.4	3.7	-0.3 (0.2)	-0.3 (0.2)
Years 1, 2, and 3	14.4	14.5	13.3	1.0* (0.5)	1.2** (0.5)
Years 2 and 3	7.6	7.4	7.5	0.1 (0.4)	0.0 (0.4)
Number of SNAP spells in Years 1, 2, and 3 (%)					
1	50.6	51.3	49.0	1.6 (2.6)	2.3 (2.6)
2	32.1	32.9	33.9	-1.7 (2.5)	-1.0 (2.5)
3 or more	17.2	15.8	17.1	0.1 (1.9)	-1.3 (1.9)
Exited SNAP in Years 1, 2, or 3 (%)	93.5	93.0	93.3	0.2 (1.2)	-0.3 (1.3)
Ever re-entered SNAP after exiting in Years 1, 2, or 3 (%)	52.7	52.6	54.7	-2.0 (2.6)	-2.0 (2.7)
Average length of first SNAP spell after re-entry (months)	8.3	7.5	8.2	0.0 (0.5)	-0.8 (0.5)
Ever re-entered SNAP within 4 months of exit (%)	24.3	22.6	24.2	0.2 (2.3)	-1.6 (2.3)
Sample size	**737**	**736**	**735**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table F.26. Changes in SNAP participation, by employment patterns in Quarters 1 through 12 after random assignment, based on SNAP administrative data

	Consistently employed					Sometimes employed					Seldom or never employed				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Average number of months participating in SNAP															
Year 1	6.9	6.5	5.8	1.1**	0.7	7.0	7.5	5.8	1.2***	1.7***	6.8	6.9	6.0	0.8**	0.9**†
				(0.4)	(0.4)				(0.3)	(0.3)				(0.4)	(0.4)
Year 2	3.4	2.5	3.0	0.5	-0.5	4.8	4.5	3.9	0.9**	0.6*	4.4	4.5	4.2	0.2	0.3
				(0.5)	(0.5)				(0.4)	(0.4)				(0.4)	(0.4)
Year 3	2.5	2.3	2.4	0.1	-0.1	3.5	3.6	4.0	-0.5	-0.4	4.1	3.6	4.2	-0.1	-0.6
				(0.4)	(0.5)				(0.4)	(0.4)				(0.4)	(0.4)
Years 1, 2, and 3	12.8	11.2	11.2	1.6	0.1	15.2	15.5	13.6	1.6*	2.0**	15.3	15.0	14.4	0.9	0.6
				(1.0)	(1.0)				(0.9)	(0.9)				(1.1)	(1.1)
Years 2 and 3	5.9	4.8	5.4	0.5	-0.6	8.3	8.0	7.8	0.5	0.2	8.5	8.1	8.4	0.1	-0.3
				(0.8)	(0.8)				(0.7)	(0.7)				(0.8)	(0.8)
Number of SNAP spells in Years 1, 2, and 3 (%)															
1	51.5	56.5	49.6	1.9	6.9	42.8	45.5	43.7	-0.9	1.9	58.9	59.7	56.3	2.7	3.6
				(5.5)	(5.7)				(4.3)	(4.3)				(4.5)	(4.7)
2	33.5	30.0	27.0	6.6	2.8	33.7	35.0	37.9	-4.2	-3.1	29.4	28.8	31.7	-2.3	-3.0
				(5.2)	(5.3)				(4.3)	(4.2)				(4.3)	(4.4)
3 or more	15.0	13.5	23.5	-8.4*	-9.8**	23.5	19.5	18.4	5.1	1.1	11.7	11.5	12.0	-0.4†	-0.6
				(4.5)	(4.4)				(3.5)	(3.4)				(2.9)	(3.0)
Exited SNAP in Years 1, 2, or 3 (%)	97.5	97.1	98.0	-0.4	-0.8	95.5	93.4	95.3	0.3	-1.9	87.2	90.3	88.4	-1.2	2.0
				(1.7)	(1.9)				(1.9)	(1.9)				(2.7)	(2.7)
Ever re-entered SNAP after exiting in Years 1, 2, or 3 (%)	49.6	44.6	51.5	-1.9	-6.8	59.8	58.6	59.1	0.7	-0.7	46.9	45.1	49.6	-2.7	-4.6
				(5.6)	(5.8)				(4.4)	(4.4)				(4.8)	(4.9)
Average length of first SNAP spell after re-entry (months)	7.6	7.0	6.4	1.3	0.7	8.1	6.9	8.0	0.1	-1.0	9.3	10.0	9.8	-0.5	0.2
				(0.9)	(0.9)				(0.8)	(0.8)				(1.1)	(1.1)

Table F.26. Changes in SNAP participation, by employment patterns in Quarters 1 through 12 after random assignment, based on SNAP administrative data *(continued)*

	Consistently employed					Sometimes employed					Seldom or never employed				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Ever re-entered SNAP within 4 months of exit (%)	22.6	16.6	24.7	-2.1 (4.9)	-7.8 (4.8)	28.6	28.0	25.9	2.7 (4.0)	2.1 (3.9)	21.8	19.2	20.9	0.9 (3.9)	-1.8 (3.9)
Sample size	**167**	**145**	**145**			**256**	**286**	**256**			**228**	**212**	**249**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Employment patterns are defined using UI wage records for the 12 quarters following random assignment. "Consistently employed" includes individuals who were employed for at least 10 out of 12 quarters following random assignment. "Sometimes employed" includes individuals who were employed for 3 to 9 quarters following random assignment. "Seldom or never employed" includes individuals who were employed for 0 to 3 quarters following random assignment. Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.27. Changes in food insecurity, based on survey data

Food security[a] (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Changes in food insecurity					
Living in a household that was food insecure at 12- months and food secure at 36-months	37.0	43.6	31.8	5.2 (5.3)	11.8** (5.5)
Living in a household that was food insecure at 12- months and food insecure at 36-months	63.0	56.4	68.2	-5.2 (5.3)	-11.8** (5.5)
Living in a household that was food secure at 12- months and food insecure at 36-months	42.5	43.1	30.1	12.4* (6.7)	13.7** (6.6)
Living in a household that was food secure at 12- months and food secure at 36-months	57.5	56.9	69.9	-12.4* (6.7)	-13.7** (6.6)
Changes in very low food security					
Living in a household that had very low food security at 12- months and did not have very low food security at 36-months	46.0	47.1	39.9	6.1 (6.6)	7.1 (6.8)
Living in a household that had very low food security at 12- months and had very low food security at 36-months	54.0	52.9	60.1	-6.1 (6.6)	-7.1 (6.8)
Living in a household that did not have very low food security at 12- months and had very low food security at 36-months	23.3	17.6	23.9	-0.6 (5.3)	-5.9 (5.3)
Living in a household that did not have very low food security at 12- months and did not have very low food security at 36-months	76.7	82.4	76.1	0.6 (5.3)	5.9 (5.3)
Sample size	**268**	**281**	**256**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

[a] Food security measured over the 30 days prior to the survey interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

III. Subgroup tables and key findings for earnings, employment, and receipt of public assistance outcomes

This section presents impacts of EDGE on earnings, employment, and receipt of public assistance outcomes for select subgroups of individuals. Subgroups were based on individuals' age, barriers to employment, recent employment history, presence of children in the household, and income relative to the FPL.

The analyses presented in Chapter VII showed that for the full sample, EDGE led to an increase in average earnings in Years 2 and 3 after random assignment based on UI but not survey data. There were no impacts of EDGE on employment in the two-year period (Years 2 and 3). EDGE increased the likelihood that BCCS group members participated in SNAP over the two-year period, but did not affect SNAP participation for ECCS group members.

The analysis of impacts by subgroup showed few statistically significant differences across subgroups:

- Based on both UI and survey data, there were no differences in impacts on earnings in the two-year period (Years 2 and 3) across subgroups defined by barriers to employment or recent employment history (Appendix Tables F.28 to F.37). Based on survey data, EDGE led to increased earnings over the two-year period compared to the control group for both ECCS and BCCS group members who were ages 25 to 49, but not for individuals who were younger.
- There were few differences in impacts on employment rates across subgroups (Appendix Tables F.28 to F.37). Based on UI and survey data, EDGE increased employment rates in Year 1 (for ECCS group members) and Years 1, 2, and 3 combined (for BCCS group members) for individuals with moderate barriers to employment (defined as not being employed in the 12 months before random assignment or having no high school diploma), while there were no significant impacts for individuals with fewer or more severe barriers. Based on survey data only, EDGE decreased employment rates in each of years 1, 2, and 3 compared to the control group, among individuals ages 18 to 24; there was no significant impact of EDGE on employment in those years among individuals who were ages 25 to 49.
- There were no statistically significant differences across subgroups in SNAP participation in the two-year period (Years 2 and 3) following random assignment (Appendix Tables F.38 to F.42).

Table F.28. Impacts on annual employment rates and total earnings, based on UI wage records, by age

Outcome	Ages 18 to 24					Ages 25 to 49				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	64.7	63.5	67.4	-2.7 (4.2)	-3.4 (4.3)	60.5	64.6	59.7	0.8 (2.8)	4.9* (2.8)
Year 2	63.5	65.1	66.3	-2.8 (4.3)	-1.0 (4.3)	59.2	61.6	55.0	4.2 (2.9)	6.6** (2.8)
Year 3	64.0	59.4	61.3	2.7 (4.8)	-1.5 (4.8)	56.7	56.3	52.9	3.8 (3.1)	3.5 (3.1)
Years 1, 2, or 3	83.3	81.7	80.9	2.4 (3.6)	0.9 (3.7)	75.1	80.9	75.7	-0.6 (2.7)	5.2** (2.6)
Years 2 or 3	73.8	73.0	75.4	-1.6 (4.1)	-2.2 (4.2)	66.8	68.7	64.0	2.8 (3.0)	4.7 (2.9)
Total earnings ($)										
Year 1	4,148	3,592	3,959	189 (493)	-329 (452)	5,297	5,227	4,722	575 (421)	508 (406)
Year 2	5,530	5,389	5,029	501 (659)	419 (640)	7,359	6,880	5,945	1,415** (570)	935* (530)
Year 3	6,260	5,676	5,471	789 (834)	220 (814)	7,726	7,334	6,442	1,283* (663)	900 (634)
Years 1, 2, and 3	16,003	14,674	14,693	1,310 (1,699)	81 (1,693)	20,073	19,312	17,100	2,974** (1,459)	2,233 (1,386)
Years 2 and 3	11,888	11,145	10,619	1,269 (1,390)	587 (1,377)	14,962	14,116	12,326	2,637** (1,172)	1,800 (1,109)
Sample size	**232**	**224**	**204**			**503**	**512**	**531**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.29. Impacts on annual employment rates and total earnings, based on UI wage records, by severity of barriers to employment

Outcome	Fewest barriers (employed in past 12 months and high school diploma or equivalent)					Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)					Most barriers (not employed in past 12 months and no high school diploma or equivalent)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)															
Year 1	70.2	74.1	74.5	-4.3 (3.4)	-0.3 (3.3)	63.7	63.8	56.7	7.0* (3.8)	7.0* (3.9)	34.1	43.1	39.0	-4.9† (6.6)	3.6 (6.5)
Year 2	69.6	71.2	67.8	1.8 (3.4)	3.3 (3.4)	57.8	60.5	54.1	3.7 (3.9)	6.2 (3.9)	38.3	47.0	41.8	-3.5 (6.7)	5.1 (6.5)
Year 3	64.8	64.0	62.0	2.8 (3.8)	2.0 (3.8)	55.1	55.8	51.8	3.3 (4.3)	3.6 (4.3)	50.1	40.3	42.9	7.2 (7.5)	-2.0 (6.9)
Years 1, 2, or 3	82.9	84.8	86.6	-3.8 (2.8)	-1.9 (2.8)	77.0	81.3	71.3	5.6 (3.7)	9.9*** (3.6)	62.8	71.1	62.5	0.3 (7.2)	8.4†† (6.5)
Years 2 or 3	75.2	73.6	74.6	0.6 (3.3)	-1.0 (3.4)	66.1	70.7	63.2	2.9 (4.0)	7.5* (3.9)	55.5	57.4	54.4	1.1 (7.5)	3.3 (6.8)
Total earnings ($)															
Year 1	6,541	6,365	6,386	155 (568)	-7 (559)	4,331	4,352	3,505	826* (454)	853* (442)	2,601	1,782	1,937	664 (717)	-178 (521)
Year 2	8,692	8,958	7,551	1,141 (751)	1,453** (731)	6,460	5,319	4,836	1,623** (667)	473 (611)	2,863	2,976	2,791	72 (757)	161 (760)
Year 3	9,253	9,653	8,014	1,239 (888)	1,652* (896)	6,453	5,308	5,250	1,203 (757)	26 (735)	3,725	2,590	3,077	648 (862)	-433 (770)
Years 1, 2, and 3	24,075	24,433	21,642	2,433 (1,947)	2,874 (1,962)	17,075	15,295	13,844	3,231** (1,612)	1,410 (1,553)	8,521	7,264	7,544	977 (1,941)	-319 (1,842)
Years 2 and 3	17,817	18,286	15,340	2,477 (1,563)	3,008* (1,573)	12,775	10,819	10,189	2,586** (1,319)	582 (1,262)	6,411	5,495	5,738	673 (1,518)	-232 (1,463)
Sample size	**368**	**349**	**317**			**276**	**273**	**299**			**92**	**112**	**115**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.30. Impacts on annual employment rates and total earnings, based on UI wage records, by recent employment history

Outcome	Employed in the 12 months before random assignment					Not employed in the 12 months before random assignment				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	69.2	72.5	70.1	-0.9 (2.9)	2.3 (2.9)	49.7	52.1	48.3	1.4 (4.0)	3.5 (4.1)
Year 2	66.9	68.9	65.4	1.5 (2.9)	3.5 (2.9)	50.2	53.8	46.3	3.9 (4.2)	7.5* (4.0)
Year 3	62.1	62.4	61.3	0.8 (3.2)	1.0 (3.3)	54.3	48.9	45.1	9.1** (4.5)	4.0 (4.3)
Years 1, 2, or 3	82.0	85.3	83.5	-1.5 (2.5)	1.8 (2.5)	70.8	75.1	66.7	4.1 (4.0)	8.4** (3.9)
Years 2 or 3	72.7	73.3	73.6	-0.9 (2.9)	-0.2 (2.9)	62.9	64.6	56.7	6.2 (4.3)	8.0* (4.1)
Total earnings ($)										
Year 1	5,881	5,862	5,572	309 (448)	296 (445)	3,592	3,153	2,786	807* (470)	343 (415)
Year 2	7,921	7,992	6,778	1,142* (601)	1,205** (587)	5,155	4,194	3,918	1,237* (645)	263 (575)
Year 3	8,440	8,477	7,272	1,168 (712)	1,222* (714)	5,602	4,357	4,422	1,179 (733)	-27 (664)
Years 1, 2, and 3	21,937	22,227	19,639	2,299 (1,555)	2,641* (1,566)	14,325	11,816	11,221	3,104* (1,595)	558 (1,444)
Years 2 and 3	16,227	16,390	13,980	2,247* (1,247)	2,439* (1,251)	10,829	8,631	8,416	2,413* (1,293)	226 (1,168)
Sample size	**482**	**462**	**452**			**255**	**274**	**283**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.31. Impacts on annual employment rates and total earnings, based on UI wage records, by presence of children

Outcome	Individuals in households with children					Individuals in households without children				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	n.a.	n.a.	n.a.	n.a.	n.a.	61.9	64.7	61.8	0.1 (2.4)	2.9 (2.4)
Year 2	n.a.	n.a.	n.a.	n.a.	n.a.	60.8	62.9	58.7	2.1 (2.4)	4.2* (2.4)
Year 3	n.a.	n.a.	n.a.	n.a.	n.a.	59.0	57.4	55.6	3.4 (2.6)	1.8 (2.7)
Years 1, 2, or 3	n.a.	n.a.	n.a.	n.a.	n.a.	77.9	81.6	77.1	0.8 (2.2)	4.6** (2.2)
Years 2 or 3	n.a.	n.a.	n.a.	n.a.	n.a.	69.1	70.3	67.5	1.6 (2.4)	2.8 (2.4)
Total earnings ($)										
Year 1	n.a.	n.a.	n.a.	n.a.	n.a.	5,045	4,824	4,532	514 (339)	293 (327)
Year 2	n.a.	n.a.	n.a.	n.a.	n.a.	6,918	6,530	5,744	1,174*** (455)	785* (433)
Year 3	n.a.	n.a.	n.a.	n.a.	n.a.	7,480	7,004	6,244	1,236** (537)	760 (521)
Years 1, 2, and 3	n.a.	n.a.	n.a.	n.a.	n.a.	19,352	18,351	16,602	2,750** (1,171)	1,752 (1,139)
Years 2 and 3	n.a.	n.a.	n.a.	n.a.	n.a.	14,409	13,543	11,977	2,432*** (942)	1,566* (911)
Sample size	**22**	**24**	**23**			**715**	**712**	**712**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

n.a. Analyses are not presented due to small sample size of at least one subgroup.

Table F.32. Impacts on annual employment rates and total earnings, based on UI wage records, by monthly income as a percentage of poverty

Outcome	Lives in household with income below 50 percent of the federal poverty level					Lives in household with income equal to or above 50 percent of the federal poverty level				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	59.9	64.9	61.0	-1.1 (2.6)	3.8 (2.5)	73.6	62.7	67.2	6.4 (6.2)	-4.3 (6.5)
Year 2	58.5	62.1	57.0	1.4 (2.6)	5.0* (2.6)	73.3	68.7	67.0	6.3 (6.5)	1.6 (6.6)
Year 3	57.5	57.1	54.1	3.4 (2.8)	3.0 (2.8)	67.8	58.8	61.5	6.3 (7.5)	-2.7 (7.6)
Years 1, 2, or 3	75.6	80.4	76.2	-0.7 (2.4)	4.2* (2.3)	90.2	89.5	83.9	6.3 (5.0)	5.4 (5.2)
Years 2 or 3	66.5	69.3	66.1	0.4 (2.6)	3.2 (2.6)	84.3	75.6	74.0	10.3* (5.9)	1.4 (6.6)
Total earnings ($)										
Year 1	4,929	4,925	4,403	526 (352)	517 (342)	5,695	4,181	5,379	317 (1,053)	-1,165† (945)
Year 2	6,808	6,602	5,508	1,300*** (481)	1,088** (454)	6,925	5,973	7,090	-165 (1,328)	-1,102 (1,290)
Year 3	7,237	7,081	6,021	1,216** (564)	1,055* (551)	8,106	6,450	7,353	753 (1,596)	-930 (1,440)
Years 1, 2, and 3	18,687	18,580	15,987	2,700** (1,223)	2,576** (1,200)	21,459	16,697	19,935	1,524 (3,538)	-3,217† (3,130)
Years 2 and 3	13,945	13,670	11,524	2,420** (989)	2,135** (958)	15,376	12,345	14,438	938 (2,829)	-2,106 (2,638)
Sample size	**637**	**636**	**622**			**93**	**89**	**104**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.33. Impacts on annual employment rates and annual earnings, based on survey data, by age

Outcome	Ages 18 to 24					Ages 25 to 49				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	48.9	45.1	76.1	-27.2*** (8.0)	-30.2*** (8.3)	62.5	56.2	54.4	8.1††† (5.0)	2.7††† (5.1)
Year 2	77.9	58.0	79.2	-1.3 (7.1)	-20.4** (8.8)	74.4	74.0	66.8	7.6 (4.9)	7.5††† (4.9)
Year 3	69.3	61.5	84.5	-15.3* (7.8)	-23.1*** (8.2)	77.4	70.3	72.3	5.1†† (4.4)	-1.7†† (4.6)
Years 1, 2, or 3	89.1	74.7	98.8	-9.7*** (3.2)	-23.9*** (5.5)	86.8	86.1	80.7	6.1*††† (3.7)	5.8††† (3.9)
Years 2 or 3	84.7	71.3	94.7	-10.0** (4.8)	-22.7*** (6.5)	82.8	81.2	78.8	4.0†† (4.0)	2.7††† (4.2)
Average earnings during the year ($)										
Year 1	6,047	6,031	7,163	-1,116 (1,401)	-1,082 (1,859)	7,441	6,577	7,433	8 (1,130)	-736 (982)
Year 2	12,942	7,742	13,353	-411 (2,703)	-5,450** (2,645)	12,536	12,687	11,407	1,130 (1,580)	1,370†† (1,606)
Year 3	11,475	7,446	14,504	-3,028 (2,748)	-6,802** (2,793)	15,313	12,468	12,258	3,055*† (1,592)	332†† (1,448)
Years 1, 2, and 3	30,465	21,219	35,020	-4,556 (5,314)	-13,334** (5,621)	35,291	31,732	31,098	4,192 (3,276)	966†† (3,347)
Years 2 and 3	24,418	15,188	27,857	-3,439 (4,620)	-12,252*** (4,693)	27,849	25,155	23,665	4,184 (2,809)	1,702†† (2,796)
Sample size	**81**	**74**	**46**			**186**	**207**	**210**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.34. Impacts on annual employment rates and annual earnings, based on survey data, by severity of barriers to employment

Outcome	Fewest barriers (employed in past 12 months and high school diploma or equivalent)					Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)					Most barriers (not employed in past 12 months and no high school diploma or equivalent)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)															
Year 1	70.3	61.9	74.8	-4.5 (6.1)	-12.3** (5.9)	55.5	52.3	50.9	4.6 (7.4)	1.2 (8.2)	30.2	44.1	37.4	-7.2 (12.3)	6.6 (12.5)
Year 2	82.5	83.8	80.6	1.9 (5.2)	3.0 (5.0)	74.8	54.1	67.0	7.8 (6.5)	-12.9* (7.7)	46.1	55.0	48.8	-2.7 (12.6)	11.0 (12.7)
Year 3	82.8	75.3	87.2	-4.4 (4.5)	-12.3*** (4.5)	71.9	66.1	65.0	6.9 (6.8)	1.2 (7.9)	47.4	47.2	66.1	-18.8 (12.2)	-16.0 (11.5)
Years 1, 2, or 3	91.8	88.5	94.1	-2.3 (3.1)	-5.8* (3.5)	87.5	81.1	79.1	8.4* (4.9)	2.1 (6.5)	57.2	71.0	74.4	-17.2† (11.8)	-1.0 (11.6)
Years 2 or 3	90.4	86.3	92.3	-2.0 (3.6)	-6.1 (3.9)	80.4	73.6	75.0	5.4 (5.7)	-1.2 (7.1)	58.0	64.4	74.4	-16.4 (11.9)	-7.6 (11.3)
Average earnings during the year ($)															
Year 1	8,711	7,026	10,251	-1,540 (1,467)	-3,157*** (1,170)	6,369	6,543	5,206	1,163 (1,213)	1,219 (1,578)	2,462	4,153	4,422	-1,961 (1,563)	300† (2,486)
Year 2	14,747	15,081	14,106	641 (1,971)	1,091 (1,888)	12,079	9,993	10,830	1,249 (2,048)	-618 (2,595)	6,020	4,266	9,111	-3,091 (3,474)	-4,774 (3,000)
Year 3	16,297	14,939	15,549	748 (1,917)	-466 (1,866)	14,309	10,030	11,688	2,621 (2,282)	-1,580 (2,151)	5,793	4,252	6,924	-1,131 (3,118)	-3,225 (2,374)
Years 1, 2, and 3	39,755	37,047	39,906	-151 (3,968)	-2,532 (3,956)	32,757	26,567	27,724	5,033 (4,281)	-980 (5,314)	14,274	12,671	20,458	-6,184 (6,814)	-7,700 (6,264)
Years 2 and 3	31,044	30,020	29,656	1,389 (3,338)	626 (3,305)	26,388	20,023	22,518	3,870 (3,971)	-2,198 (4,472)	11,812	8,518	16,035	-4,223 (6,240)	-7,999 (5,138)
Sample size	**126**	**155**	**122**			**118**	**88**	**98**			**23**	**37**	**34**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.35. Impacts on annual employment rates and annual earnings, based on survey data, by recent employment history

Outcome	Employed in the 12 months before random assignment					Not employed in the 12 months before random assignment				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	69.5	61.1	65.2	4.3 (5.5)	-3.4 (5.3)	40.8	45.5	51.6	-10.8† (6.9)	-7.4 (8.1)
Year 2	82.9	80.5	75.1	7.8 (4.8)	5.2 (4.9)	63.9	54.8	62.8	1.1 (7.0)	-6.2 (7.8)
Year 3	78.4	72.4	84.4	-6.0 (4.3)	-12.1*** (4.4)	70.1	63.0	62.4	7.8† (6.9)	0.6 (7.4)
Years 1, 2, or 3	92.0	87.2	91.5	0.5 (3.0)	-4.2 (3.5)	79.7	78.4	76.4	3.3 (5.7)	1.9 (6.8)
Years 2 or 3	89.0	82.9	89.2	-0.2 (3.4)	-6.3 (3.9)	74.9	73.7	73.7	1.1 (6.4)	0.5 (6.8)
Average earnings during the year ($)										
Year 1	8,787	7,340	8,569	218 (1,230)	-1,148 (1,084)	4,190	5,382	5,397	-1,207 (1,054)	-90 (1,476)
Year 2	13,915	13,669	12,430	1,485 (1,692)	1,299 (1,685)	10,926	8,444	11,175	-250 (2,272)	-2,553 (2,426)
Year 3	15,091	13,191	14,379	713 (1,659)	-1,084 (1,607)	12,855	8,662	10,481	2,374 (2,141)	-1,861 (1,980)
Years 1, 2, and 3	37,794	34,200	35,378	2,416 (3,419)	-933 (3,536)	27,971	22,488	27,053	918 (4,398)	-4,505 (4,807)
Years 2 and 3	29,007	26,860	26,809	2,197 (2,896)	215 (2,930)	23,781	17,105	21,656	2,125 (4,037)	-4,414 (4,150)
Sample size	**166**	**188**	**156**			**102**	**93**	**100**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.36. Impacts on annual employment rates and annual earnings, based on survey data, by presence of children

Outcome	Individuals in households with children					Individuals in households without children				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	n.a.	n.a.	n.a.	n.a.	n.a.	59.6	55.8	59.3	0.3 (4.5)	-3.2 (4.7)
Year 2	n.a.	n.a.	n.a.	n.a.	n.a.	76.1	70.1	70.0	6.1 (4.1)	0.4 (4.4)
Year 3	n.a.	n.a.	n.a.	n.a.	n.a.	75.9	68.3	76.0	-0.1 (3.8)	-7.5* (4.1)
Years 1, 2, or 3	n.a.	n.a.	n.a.	n.a.	n.a.	87.9	84.0	85.7	2.2 (2.9)	-1.5 (3.5)
Years 2 or 3	n.a.	n.a.	n.a.	n.a.	n.a.	84.0	79.5	83.1	0.9 (3.2)	-3.3 (3.7)
Average earnings during the year ($)	n.a.	n.a.	n.a.	n.a.	n.a.					
Year 1	n.a.	n.a.	n.a.	n.a.	n.a.	7,164	6,692	7,371	-207 (912)	-623 (939)
Year 2	n.a.	n.a.	n.a.	n.a.	n.a.	12,804	11,367	11,902	903 (1,375)	-392 (1,414)
Year 3	n.a.	n.a.	n.a.	n.a.	n.a.	14,602	11,374	12,889	1,713 (1,390)	-1,368 (1,321)
Years 1, 2, and 3	n.a.	n.a.	n.a.	n.a.	n.a.	34,570	29,433	32,162	2,408 (2,816)	-2,383 (2,964)
Years 2 and 3	n.a.	n.a.	n.a.	n.a.	n.a.	27,406	22,741	24,791	2,616 (2,454)	-1,760 (2,499)
Sample size	**5**	**14**	**5**			**263**	**267**	**251**		

Source: SNAP employment and training evaluation 12- and 36- month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

n.a. Analyses are not presented for this group due to small sample sizes.

Table F.37. Impacts on annual employment rates and annual earnings, based on survey data, by monthly income as a percentage of poverty

Outcome	Lives in household with income below 50 percent of the federal poverty level					Lives in household with income equal to or above 50 percent of the federal poverty level				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	58.7	55.0	59.4	-0.8 (4.8)	-4.5 (4.8)	71.7	60.6	63.3	8.3 (8.9)	0.5 (11.3)
Year 2	73.2	70.7	69.4	3.8 (4.5)	1.5 (4.7)	94.4	60.4	74.2	20.2**† (8.2)	-11.2 (12.3)
Year 3	74.6	70.1	74.0	0.6 (4.1)	-3.8 (4.4)	86.3	55.0	83.1	3.1 (9.1)	-29.2***†† (9.3)
Years 1, 2, or 3	86.6	84.4	84.8	1.8 (3.2)	-0.4 (3.6)	99.0	76.0	88.4	10.6** (5.2)	-11.5 (9.3)
Years 2 or 3	82.6	80.6	82.2	0.4 (3.6)	-1.6 (3.9)	93.3	67.0	86.3	7.0 (6.9)	-19.3* (10.8)
Average earnings during the year ($)										
Year 1	6,752	6,945	7,312	-560 (910)	-368 (1,024)	10,137	4,517	7,811	2,326 (2,840)	-2,599 (1,808)
Year 2	12,418	12,079	12,090	327 (1,436)	116 (1,519)	16,425	5,918	11,205	5,219 (5,283)	-5,734*† (3,120)
Year 3	14,305	11,547	12,577	1,728 (1,447)	-917 (1,407)	16,140	8,202	15,033	1,107 (3,948)	-7,466**† (3,110)
Years 1, 2, and 3	33,475	30,571	31,980	1,496 (2,983)	-1,168 (3,167)	42,702	18,637	34,050	8,652 (8,963)	-15,798**†† (6,517)
Years 2 and 3	26,723	23,627	24,668	2,056 (2,583)	-801 (2,676)	32,564	14,120	26,239	6,326 (8,223)	-13,200**†† (5,522)
Sample size	**234**	**249**	**217**			**31**	**30**	**38**		

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.38. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by age

	Ages 18 to 24					Ages 25 to 49				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
SNAP participation by individual enrolled in pilot (%)										
Year 1	98.9	99.1	98.5	0.4 (1.1)	0.6 (1.1)	99.1	99.1	97.9	1.2 (0.8)	1.2* (0.7)
Year 2	59.7	56.9	57.9	1.8 (4.6)	-0.8 (4.7)	52.9	56.0	47.0	5.9** (3.0)	8.9***† (3.0)
Year 3	46.7	51.8	53.6	-6.8 (4.7)	-1.4 (4.7)	41.8	42.8	44.6	-2.8 (3.0)	-1.8 (3.0)
Years 1, 2, or 3	100	99	100	0 (0.6)	-1 (0.9)	99	99	99	0 (0.6)	1 (0.5)
Years 2 or 3	67	66	66	0 (4.4)	0 (4.5)	60	63	58	2 (2.9)	6* (2.9)
Average annual SNAP benefits received ($)										
Year 1	1,404	1,561	1,302	102 (99)	267** (107)	1,299	1,356	1,086	212*** (56)	270*** (55)
Year 2	1,036	914	974	62 (124)	-52 (136)	806	775	656	150** (68)	119* (65)
Year 3	947	976	1,064	-116 (132)	-77 (138)	699	588	673	26 (73)	-84 (65)
Years 1, 2, and 3	3,387	3,451	3,339	48 (285)	137 (316)	2,804	2,720	2,416	388** (158)	305** (150)
Years 2 and 3	1,983	1,890	2,037	-54 (227)	-129 (246)	1,505	1,364	1,329	176 (129)	35 (117)
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]										
Year 1	46.3	49.1	40.5	5.8** (2.7)	8.7*** (2.8)	49.5	52.9	41.0	8.5*** (1.9)	11.9*** (1.8)
Year 2	30.1	26.1	26.6	3.5 (3.1)	-0.4 (3.0)	27.0	27.9	23.9	3.2 (2.0)	4.0* (2.0)
Year 3	25.2	25.7	26.6	-1.4 (3.0)	-0.7 (3.0)	21.3	21.0	23.2	-1.9 (2.0)	-2.2 (2.0)
Years 1, 2, and 3	34.5	33.9	31.3	3.1 (2.4)	2.7 (2.4)	32.9	34.1	29.6	3.3** (1.6)	4.5*** (1.6)
Years 2 and 3	28.1	26.1	26.6	1.5 (2.7)	-0.3 (2.7)	24.3	24.6	23.6	0.7 (1.8)	1.0 (1.8)
Sample size	**232**	**224**	**204**			**503**	**512**	**531**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

Table F.38. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by age *(continued)*

[a] Maximum household SNAP benefit amounts normalized by household size.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.39. Impacts on annual SNAP participation rates and average SNAP benefit amount per year , based on SNAP administrative data, by severity of barriers to employment

	Fewest barriers (employed in past 12 months and high school diploma or equivalent)					Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)					Most barriers (not employed in past 12 months and no high school diploma or equivalent)				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
SNAP participation by individual enrolled in pilot (%)															
Year 1	99.1	99.2	98.1	1.1 (0.9)	1.1 (0.9)	98.8	99.0	98.0	0.8 (1.0)	0.9 (0.9)	99.2	99.3	98.2	1.0 (1.7)	1.1 (1.6)
Year 2	51.1	50.6	45.8	5.3 (3.6)	5.1 (3.8)	57.5	62.3	53.4	4.1 (4.0)	8.7** (4.0)	54.0	55.0	53.2	0.8 (6.9)	2.1 (6.4)
Year 3	37.8	40.8	42.6	-4.9 (3.6)	-1.7 (3.8)	47.8	47.8	51.1	-3.3 (4.1)	-3.4 (4.1)	42.1	52.5	49.0	-6.9 (6.7)	3.9 (6.3)
Years 1, 2, or 3	100	99	98	2** (0.8)	1 (0.9)	99	99	100	-1 (0.6)	-1 (0.5)	99	99	100	-1†† (1.0)	-1 (0.8)
Years 2 or 3	58	60	55	2 (3.6)	5 (3.8)	66	68	64	2 (3.9)	4 (3.8)	60	63	63	-3 (6.8)	1 (6.0)
Average annual SNAP benefits received ($)															
Year 1	1,202	1,339	1,117	85 (70)	226*** (76)	1,471	1,540	1,181	290*** (82)	361*** (79)	1,302	1,364	1,136	166 (127)	235* (122)
Year 2	695	758	688	7 (83)	73 (95)	1,021	888	811	210** (105)	72 (99)	917	795	703	214 (157)	98 (123)
Year 3	612	597	640	-28 (86)	-37 (86)	902	750	906	-3 (114)	-160 (102)	768	879	806	-38 (162)	84 (158)
Years 1, 2, and 3	2,509	2,694	2,446	63 (192)	262 (216)	3,394	3,179	2,897	497** (243)	272 (224)	2,987	3,039	2,645	342 (359)	417 (327)
Years 2 and 3	1,307	1,354	1,328	-21 (154)	35 (164)	1,923	1,638	1,716	207 (197)	-88 (180)	1,685	1,674	1,509	176 (287)	182 (252)

Table F.39. Impacts on annual SNAP participation rates and average monthly SNAP benefit amount per year, based on SNAP administrative data, by severity of barriers to employment *(continued)*

	Fewest barriers (employed in past 12 months and high school diploma or equivalent)					Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)					Most barriers (not employed in past 12 months and no high school diploma or equivalent)				
Outcome	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]															
Year 1	47.1	48.9	40.3	6.8*** (2.2)	8.7*** (2.2)	49.0	54.7	41.5	7.5*** (2.5)	13.2*** (2.5)	50.4	53.6	40.7	9.7** (4.2)	13.2*** (4.2)
Year 2	23.4	24.4	22.6	0.9 (2.4)	1.9 (2.5)	30.4	29.1	26.0	4.3 (2.8)	2.9 (2.8)	31.7	30.4	26.1	5.6 (4.8)	4.4 (4.4)
Year 3	18.2	18.6	21.0	-2.8 (2.3)	-2.3 (2.4)	24.9	24.7	26.0	-1.1 (2.7)	-1.4 (2.7)	25.5	27.9	27.3	-1.9 (4.9)	0.9 (4.6)
Years 1, 2, and 3	29.8	30.8	28.1	1.7 (1.8)	2.7 (1.9)	35.3	36.6	31.4	3.9* (2.2)	5.1** (2.2)	36.2	37.3	31.5	4.7 (3.9)	6.1* (3.6)
Years 2 and 3	20.9	21.6	21.8	-0.9 (2.1)	-0.1 (2.2)	28.0	27.2	26.1	1.9 (2.5)	0.9 (2.5)	28.8	29.2	26.8	2.0 (4.5)	2.6 (4.1)
Sample size	**368**	**349**	**317**			**276**	**273**	**299**			**92**	**112**	**115**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] Maximum household SNAP benefit amounts normalized by household size.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.40. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by recent employment history

	Employed in the 12 months before random assignment					Not employed in the 12 months before random assignment				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
SNAP participation by individual enrolled in pilot (%)										
Year 1	98.9	99.1	98.0	0.9 (0.8)	1.1 (0.8)	99.2	99.2	98.2	0.9 (1.0)	0.9 (0.9)
Year 2	52.0	52.6	46.0	6.0* (3.1)	6.6** (3.3)	58.4	61.3	56.7	1.7 (4.1)	4.8 (4.0)
Year 3	39.1	41.9	45.3	-6.2** (3.1)	-3.4 (3.2)	49.1	51.1	49.9	-0.8 (4.2)	1.4 (4.1)
Years 1, 2, or 3	100	99	99	1 (0.6)	1 (0.7)	99	99	100	-1† (0.6)	-1 (0.6)
Years 2 or 3	58	62	57	1 (3.1)	5 (3.2)	67	68	65	2 (4.0)	3 (3.8)
Average annual SNAP benefits received ($)										
Year 1	1,240	1,392	1,102	138** (62)	288*** (65)	1,471	1,462	1,213	257*** (80)	253*** (77)
Year 2	764	782	709	55 (75)	73 (83)	1,035	874	803	232** (104)	79 (87)
Year 3	684	637	715	-31 (78)	-76 (77)	877	806	889	-12 (113)	-78 (102)
Years 1, 2, and 3	2,688	2,811	2,525	163 (172)	286 (186)	3,383	3,141	2,906	477** (239)	254 (213)
Years 2 and 3	1,448	1,419	1,424	24 (139)	-2 (145)	1,912	1,679	1,692	220 (194)	1 (167)
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]										
Year 1	46.1	49.8	39.6	6.6*** (1.9)	10.1*** (1.9)	52.4	55.3	42.8	9.6*** (2.6)	12.7*** (2.6)
Year 2	24.5	24.9	22.5	2.0 (2.0)	2.4 (2.1)	33.0	31.1	28.1	4.9* (3.0)	3.3 (2.8)
Year 3	19.6	19.9	22.2	-2.6 (2.0)	-2.3 (2.1)	26.5	26.7	27.3	-0.8 (3.0)	-0.5 (2.8)

Table F.40. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by recent employment history *(continued)*

	Employed in the 12 months before random assignment					Not employed in the 12 months before random assignment				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Years 1, 2, and 3	30.4	31.8	28.3	2.1 (1.6)	3.5** (1.6)	37.8	37.8	33.0	4.8** (2.3)	5.1** (2.2)
Years 2 and 3	22.2	22.5	22.4	-0.2 (1.8)	0.2 (1.9)	30.1	29.1	27.8	2.2 (2.7)	1.4 (2.5)
Sample size	**482**	**462**	**452**			**255**	**274**	**283**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] Maximum household SNAP benefit amounts normalized by household size.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.41. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by presence of children

Outcome	Individuals in households with children					Individuals in households without children				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
SNAP participation by individual enrolled in pilot (%)										
Year 1	n.a.	n.a.	n.a.	n.a.	n.a.	99.0	99.2	98.0	0.9 (0.6)	1.2** (0.6)
Year 2	n.a.	n.a.	n.a.	n.a.	n.a.	54.8	56.0	50.4	4.4* (2.5)	5.6** (2.6)
Year 3	n.a.	n.a.	n.a.	n.a.	n.a.	42.8	45.2	47.2	-4.4* (2.5)	-2.0 (2.6)
Years 1, 2, or 3	n.a.	n.a.	n.a.	n.a.	n.a.	99	99	99	0 (0.5)	0 (0.5)
Years 2 or 3	n.a.	n.a.	n.a.	n.a.	n.a.	62	64	60	2 (2.5)	4 (2.5)
Average annual SNAP benefits received ($)	n.a.	n.a.	n.a.	n.a.	n.a.					
Year 1	n.a.	n.a.	n.a.	n.a.	n.a.	1,314	1,407	1,140	174*** (49)	266*** (49)
Year 2	n.a.	n.a.	n.a.	n.a.	n.a.	875	798	740	135** (61)	58 (60)
Year 3	n.a.	n.a.	n.a.	n.a.	n.a.	760	676	782	-23 (65)	-106* (62)
Years 1, 2, and 3	n.a.	n.a.	n.a.	n.a.	n.a.	2,949	2,882	2,663	286** (140)	219 (139)
Years 2 and 3	n.a.	n.a.	n.a.	n.a.	n.a.	1,634	1,475	1,522	112 (114)	-48 (109)
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]	n.a.	n.a.	n.a.	n.a.	n.a.					
Year 1	n.a.	n.a.	n.a.	n.a.	n.a.	48.3	51.7	40.8	7.5*** (1.6)	10.9*** (1.6)
Year 2	n.a.	n.a.	n.a.	n.a.	n.a.	28.0	27.1	24.7	3.3* (1.7)	2.4 (1.7)
Year 3	n.a.	n.a.	n.a.	n.a.	n.a.	22.3	22.0	24.2	-1.9 (1.7)	-2.2 (1.7)
Years 1, 2, and 3	n.a.	n.a.	n.a.	n.a.	n.a.	33.2	33.8	30.1	3.1** (1.3)	3.7*** (1.3)
Years 2 and 3	n.a.	n.a.	n.a.	n.a.	n.a.	25.3	24.7	24.5	0.8 (1.5)	0.2 (1.5)
Sample size	**22**	**24**	**23**			**715**	**712**	**712**		

Table F.41. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by presence of children *(continued)*

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] Maximum household SNAP benefit amounts normalized by household size.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

n.a. Analyses are not presented for this group due to small sample sizes.

Table F.42. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by monthly income as a percentage of poverty

Outcome	Lives in household with income below 50 percent of the federal poverty level					Lives in household with income equal to or above 50 percent of the federal poverty level				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
SNAP participation by individual enrolled in pilot (%)										
Year 1	98.9	99.5	98.2	0.7 (0.6)	1.3** (0.6)	99.3	100.0	98.0	1.4 (1.9)	2.0* (1.4)
Year 2	53.3	55.6	48.2	5.1* (2.7)	7.4*** (2.7)	63.6	62.7	60.4	3.2 (6.9)	2.7 (6.9)
Year 3	42.0	44.5	45.6	-3.6 (2.7)	-1.2 (2.7)	45.9	52.1	55.0	-9.0 (6.8)	-2.6 (6.8)
Years 1, 2, or 3	99.4	99.5	99.0	0.4 (0.5)	0.5 (0.4)	98.9	100.0	99.0	-0.1 (1.6)	1.0 (1.0)
Years 2 or 3	60.2	63.4	58.5	1.7 (2.6)	4.9* (2.7)	70.7	68.1	68.4	2.3 (6.4)	0.1 (6.6)
Average annual SNAP benefits received ($)										
Year 1	1,305	1,397	1,110	195*** (52)	289*** (52)	1,470	1,572	1,277	193 (153)	303** (146)
Year 2	856	786	689	167*** (63)	98 (63)	988	1,095	1,008	-20 (185)	99 (183)
Year 3	777	686	723	54 (68)	-37 (64)	651	855	1,123	-472**††† (184)	-251 (193)
Years 1, 2, and 3	2,938	2,869	2,522	416*** (147)	349** (149)	3,109	3,522	3,408	-299 (412)	151 (413)
Years 2 and 3	1,634	1,472	1,412	221* (118)	60 (115)	1,639	1,950	2,131	-492†† (327)	-152 (326)
Average monthly SNAP benefits received as a percentage of maximum benefit amount[a]										
Year 1	49.4	52.7	40.8	8.5*** (1.7)	11.9*** (1.7)	42.6	47.0	40.1	2.6 (3.9)	7.2* (4.0)
Year 2	27.6	26.9	23.9	3.7** (1.8)	3.1* (1.9)	29.7	32.2	28.4	1.3 (4.7)	3.9 (4.5)
Year 3	22.7	22.3	23.4	-0.7 (1.8)	-1.1 (1.8)	19.0	24.5	29.1	-10.1**†† (4.3)	-4.3 (4.7)
Years 1, 2, and 3	33.6	34.2	29.6	4.0*** (1.4)	4.6*** (1.5)	30.9	34.8	32.8	-1.8 (3.4)	2.3 (3.5)
Years 2 and 3	25.4	24.8	23.7	1.7 (1.6)	1.1 (1.7)	24.2	28.3	28.9	-4.7 (3.9)	-0.4 (4.0)
Sample size	**637**	**636**	**622**			**93**	**89**	**104**		

Table F.42. Impacts on annual SNAP participation rates and average SNAP benefit amount per year, based on SNAP administrative data, by monthly income as a percentage of poverty *(continued)*

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

[a] Maximum household SNAP benefit amounts normalized by household size.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

IV. Subgroup tables and key findings for well-being outcomes

This section presents impacts of EDGE on well-being outcomes for select subgroups of individuals. Subgroups were based on individuals' age, barriers to employment, recent employment history, presence of children in the household, and income relative to the FPL.

The analyses presented in Chapter VII showed that for the full sample, EDGE had no impact on the likelihood of food insecurity for EDGE group members relative to control group members, though there was a decrease in very low food security for BCCS group members relative to the control group. Across all subgroups, the impacts did not differ statistically (Appendix Tables F.43 to F.47).

Table F.43. Impacts on food security, based on 36-month survey data, by age

Food security[a] (%)	Ages 18 to 24					Ages 25 to 49				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Living in a household that is food insecure	47.6	44.8	49.5	-1.9 (9.7)	-6.7 (10.0)	57.8	52.0	56.9	1.0 (5.4)	-4.5 (5.3)
Living in a household with very low food security	34.1	34.5	33.0	1.1 (7.9)	-1.7 (8.2)	38.9	31.5	42.7	-3.8 (5.3)	-10.7** (5.0)
Sample size	**81**	**74**	**46**			**186**	**207**	**210**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

[a] Food security measured over the 30 days prior to the survey interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.44. Impacts on food security, based on 36-month survey data, by severity of barriers to employment

	Fewest barriers (employed in past 12 months and high school diploma or equivalent)					Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)					Most barriers (not employed in past 12 months and no high school diploma or equivalent)				
Food security[a] (%)	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**
Living in a household that is food insecure	56.6	53.0	54.8	1.8 (6.6)	-0.8 (6.5)	48.2	43.7	55.2	-7.0 (7.5)	-10.6 (7.7)	77.5	52.8	66.1	11.4 (11.9)	-13.3 (13.5)
Living in a household with very low food security	41.1	33.7	42.3	-1.2 (6.1)	-7.3 (6.4)	31.9	23.1	39.5	-7.7 (7.1)	-16.0** (6.6)	41.9	39.4	44.3	-2.5 (14.5)	-6.5 (13.2)
Sample size	**126**	**155**	**122**			**118**	**88**	**98**			**23**	**37**	**34**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

[a] Food security measured over the 30 days prior to the survey interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.45. Impacts on food security, based on 36-month survey data, by recent employment history

	Employed in the 12 months before random assignment					Not employed in the 12 months before random assignment				
Food security[a] (%)	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**
Living in a household that is food insecure	53.8	50.7	55.6	-1.8 (5.8)	-4.4 (5.8)	57.1	44.7	55.0	2.1 (7.9)	-9.6 (7.9)
Living in a household with very low food security	36.3	29.1	40.5	-4.1 (5.4)	-10.6* (5.5)	39.7	32.0	40.4	-0.8 (7.8)	-9.0 (7.3)
Sample size	**166**	**188**	**156**			**102**	**93**	**100**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

[a] Food security measured over the 30 days prior to the survey interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Table F.46. Impacts on food security, based on 36-month survey data, by presence of children

	Individuals in households with children					Individuals in households without children				
Food security[a] (%)	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**
Living in a household that is food insecure	n.a.	n.a.	n.a.	n.a.	n.a.	54.1	47.9	55.1	-0.9 (4.7)	-7.0 (4.8)
Living in a household with very low food security	n.a.	n.a.	n.a.	n.a.	n.a.	37.2	29.9	40.4	-3.2 (4.5)	-10.6** (4.5)
Sample size	**5**	**14**	**5**			**263**	**267**	**251**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

[a] Food security measured over the 30 days prior to the survey interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

n.a. Analyses are not presented for this group due to small sample sizes.

Table F.47. Impacts on food security, based on 36-month survey data, by monthly income as a percentage of poverty

	Lives in household with income below 50 percent of the federal poverty level					Lives in household with income equal to or above 50 percent of the federal poverty level				
Food security[a] (%)	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**	**ECCS group**	**BCCS group**	**Control group**	**ECCS / Control group difference**	**BCCS / Control group difference**
Living in a household that is food insecure	56.0	49.3	56.5	-0.5 (5.1)	-7.2 (5.1)	50.7	51.7	45.3	5.4 (12.0)	7.5 (11.2)
Living in a household with very low food security	36.8	30.7	42.3	-5.5 (5.0)	-11.6** (4.7)	41.1	37.6	26.7	14.4† (10.7)	10.1† (11.9)
Sample size	**234**	**249**	**217**			**31**	**30**	**38**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

[a] Food security measured over the 30 days prior to the survey interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

Appendix G
Cost-benefit analysis

Cost estimation and analysis methods

The following series of tables present cost estimates of (1) ECCS and BCCS, (2) all services ECCS AND BCCS group members received through ECCS and BCCS, existing SNAP E&T, or community services, and (3) all services control group members received through existing SNAP E&T and the community. Below we describe the method of calculating each type of cost and the data sources used.

- **Costs of ECCS** and **BCCS:** Estimated using SNAP employment and training evaluation actual reported costs by ECCS and BCCS grantee, partners, and providers from 2015 to 2019 (Tables G.1. – G.4.). These costs include time for planning, recruiting, and providing services under ECCS and BCCS to the ECCS and BCCS groups.
- **Costs of all services ECCS and BCCS group members received:** Estimated using the unit costs of specific ECCS and BCCS services (such as job search assistance) and individual-level data from the 12- and 36- month survey data on service receipt (Table G.5a.). These are the estimated costs of all services ECCS and BCCS group members received through ECCS and BCCS, existing SNAP E&T, or the community. The difference between the total cost of ECCS and BCCS and the cost of all ECCS and BCCS group services likely represents services that ECCS and BCCS group members received outside of ECCS and BCCS. Table G.5b presents a sensitivity analysis which uses the unit costs of services based on WIA data and survey data on service receipt to estimate the costs of all services ECCS and BCCS group members received. The WIA data on unit costs of services was used to estimate the costs of all control group services because it reflects similar types of services to what control group members received. The difference between the estimates presented in G.5a. and G.5b is the source of the unit costs and could reflect differences in the level of cost available. For example, we assumed individuals received one assessment in using WIA unit costs, but ECCS and BCCS unit costs reflect the average number of assessments ECCS and BCCS group members received. More detail on these data sources and associated assumptions is presented in the technical supplement.
- **Costs of all services control group members received:** Estimated using the unit costs of specific services based on data from the WIA Gold Standard Evaluation (described in Chapter II and the technical supplement) and individual-level data from the 12- and 36- month survey data on service receipt (Table G.6a.). These are the estimated costs of all services control group members received through existing SNAP E&T and the community. Table G.6b presents a sensitivity analysis which uses the unit costs of services based on ECCS and BCCS data and survey data on service receipt to estimate the costs of all services control group members received. The difference between the estimates presented in G.6a. and G.6b is the source of the unit costs and could highlight differences in the level of cost available for the ECCS and BCCS group. For example, a higher cost in Table G.6b than in Table G.6a. could suggest that ECCS and BCCS services were more expensive and took a longer time per person than is reflected in the WIA unit costs.
- **Per individual costs of services:** Table G.7. presents the cost per individual for (1) recruitment into ECCS and BCCS, which covered ECCS and BCCS and control group members, (2) ECCS and BCCS services, (3) all services ECCS and BCCS group members received, and (4) all services control group members received. Costs of recruitment per individual represent the average cost of recruiting one individual. The mean costs of services per individual and are estimated using the data sources described above for each group.

Table G.1. EDGE cost summary, by funding source and percentage of total

Cost category	Total cost	Percentage of total cost (%)	Grant funded		Other sources	
			Costs funded	Percentage of total cost (%)	Costs funded	Percentage of total cost (%)
Total costs	$11,361,122	100.0	$8,818,604	77.6	$2,542,519	22.4
Planning period cost	$1,089,769	9.6	$992,153	8.7	$97,616	0.9
Service period cost	$10,271,353	90.4	$7,826,451	68.9	$2,444,902	21.5
Quarter 1	$572,407	--	$409,428	--	$162,980	--
Quarter 2	$577,786	--	$407,588	--	$170,198	--
Quarter 3	$551,436	--	$383,254	--	$168,182	--
Quarter 4	$600,815	--	$440,504	--	$160,311	--
Quarter 5	$681,620	--	$468,807	--	$212,812	--
Quarter 6	$728,910	--	$567,232	--	$161,678	--
Quarter 7	$718,302	--	$533,647	--	$184,655	--
Quarter 8	$836,225	--	$550,232	--	$285,993	--
Quarter 9	$1,094,522	--	$795,195	--	$299,327	--
Quarter 10	$1,281,404	--	$1,004,564	--	$276,840	--
Quarter 11	$1,490,265	--	$1,287,651	--	$202,614	--
Quarter 12	$1,137,662	--	$978,350	--	$159,312	--

Source: SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019.

Note: This table presents pilot costs, which were primarily for the ECCS/BCCS groups but also included planning and recruiting efforts that affected the control group. The planning period was considered to encompass the time between the award of the FNS grant and ECCS/BCCS launch (April 2015 to March 2016). Service delivery costs represent the total reported in quarterly workbooks following the launch of ECCS/BCCS. The final quarterly workbook included costs for any closeout activities that occurred after services ended. Cost workbooks asked for the total costs of the services provided to individuals in the ECCS/BCCS groups. For all costs reported in the workbooks, respondents were asked to report the percentage of the cost that was funded by the FNS grant. Remaining costs are assumed to be covered by other sources. All costs are presented in 2016 dollars. Hyphens indicate that percentage of total cost was not calculated for this period.

Table G.2. EDGE cost summary, by resource category

Resource category	Total	Grant funded		Other sources	
		Costs funded	Percentage of total category cost (%)	Costs funded	Percentage of total category cost (%)
Total costs	$11,361,122	$8,818,604	77.6	$2,542,519	22.4
Staff and volunteer costs	$6,910,567	$6,465,357	93.6	$445,211	6.4
Staff	$6,855,001	$6,465,357	94.3	$389,645	5.7
Administrative staff[a]	$3,200,251	$3,106,676	45.3	$93,575	1.4
Direct service staff	$3,654,750	$3,358,680	49.0	$296,070	4.3
Volunteer	$55,566	$0	0.0	$55,566	100.0
Direct service costs	$1,879,873	$1,877,607	99.9	$2,266	0.1
Direct E&T services	$1,325,250	$1,323,908	99.9	$1,341	0.1
Support services	$495,946	$495,021	99.8	$925	0.2
Other service contracts[b]	$58,678	$58,678	100.0	$0	0.0
New pilot supplies and equipment costs	$143,035	$102,986	71.7	$40,049	28.3
Supplies	$141,441	$101,392	71.7	$40,049	28.3
Equipment	$1,594	$1,594	100.0	$0	0.0
Other overhead operating costs[c]	$2,427,647	$372,654	15.4	$2,054,993	84.7
Overhead	$147,378	$126,756	86.0	$20,622	14.0
Facilities and utilities	$2,080,736	$46,366	2.2	$2,034,370	97.8
Indirect costs	$199,532	$199,532	100.0	$0	0.0

Source: SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019.

Note: This table presents pilot costs, which were primarily for the ECCS/BCCS groups but also included planning and recruiting efforts that affected the control group. Cost workbooks asked for the total costs of the services provided to individuals in the ECCS/BCCS groups. For all costs reported in the workbooks, respondents were asked to report the percentage of the cost that was funded by the FNS grant. Remaining costs are assumed to be covered by other sources. Salaries for one partner—NSPARC—were approximated because of confidentiality issues. Salaries were estimated by taking the average of the staff salary range. About $900,000 of the facilities costs were for MGCCC's use of facilities for EDGE, which the FNS grant did not fund. All costs are presented in 2016 dollars.

[a] We used staff titles and primary responsibilities reported in the cost workbooks to categorize staff and their associated costs as either administrative (including staff such as accountants, executive leadership, supervisors, or SNAP eligibility staff) or direct service related (including partner and provider staff delivering services such as case management).

[b] Other service contracts represent costs paid by a partner or provider to another organization for a direct service, such as education or occupational skills training. We assumed service contracts included all the costs of service, including staff, direct costs, supplies and equipment, and other overhead and operating costs. For example, contracts to provide transportation to participants.

[c] Overhead and operating costs include those for facilities, utilities, and other administrative and indirect expenses.

Table G.3a. Estimated EDGE costs overall and by service type

Costs	Total costs	Percentage of total
Total costs[a]	$11,361,122	100.0
Direct services estimates	$3,236,044	28.5
Assessments	$277,674	2.4
Case management	$747,634	6.6
Job readiness or life skills workshop	$391,748	3.5
Education	$16,015	0.1
Occupational skills training	$347,024	3.1
Support services	$551,328	4.9
Work-based learning	$904,324	8.0
Other direct service contracts	$295	0.0
Administration estimates	$8,125,079	71.5
Ongoing administration costs[b]	$5,433,090	47.8
Recruitment costs[c]	$1,602,220	14.1
Planning period costs[a]	$1,089,769	9.6

Source: SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; and SNAP employment and training evaluation survey of direct service provider time use, 2016-2018.

Note: This table presents pilot costs, which were primarily for the ECCS/BCCS groups but also included planning and recruiting efforts that affected the control group. The estimated costs of case management, job readiness or life skills workshop, and assessments include costs for staff, supplies and equipment, and overhead and operating costs, which were allocated using the average percentage of time spent on these activities in the time-use survey. The estimated costs of support services, other direct service contracts, work-based learning, occupational skills training, and education do not include costs for staff, supplies and equipment, or overhead and operating costs. Other direct service contracts included supplies for participant outreach. We assumed these costs were either built into those payments or the associated staff time and costs were represented as case management. All costs are presented in 2016 dollars.

[a] Represents the actual reported cost presented in Table G.1. The other costs presented in this table were estimated as described in the table note.

[b] Ongoing administration costs include service contracts that cannot be assigned to one of the defined direct services, such as a subcontract for interpretation services. Ongoing administration costs also include the costs of other ECCS/BCCS-related activities that are not direct services, including staff meetings and supervision and other activities.

[c] Recruitment costs include labor, service contracts, and other costs used to recruit both ECCS/BCCS and control group members into the pilot. Half of the individuals recruited were randomly assigned to the ECCS/BCCS groups and half were assigned to the control group.

Table G.3b. Estimated EDGE costs overall and by service type, including the costs of ongoing administration

Costs	Total costs	Percentage of total
Total costs[a]	$11,361,122	100.0
Operating costs by service type[b]	$8,669,133	76.3
Assessments	$743,911	6.5
Case management	$2,002,975	17.6
Job readiness or life skills workshop	$1,049,526	9.2
Education	$42,906	0.4
Occupational skills training	$929,707	8.2
Support services	$1,477,054	13.0
Work-based learning	$2,422,760	21.3
Other direct service contracts	$295	0.0
Other administration estimates	$2,691,989	23.7
Recruitment costs	$1,602,220	14.1
Planning period costs	$1,089,769	9.6

Source: SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; and SNAP employment and training evaluation survey of direct service provider time use, 2016-2018.

Note: This table presents pilot costs, which were primarily for the ECCS/BCCS groups but also included planning and recruiting efforts that affected the control group. The estimated costs of case management, job readiness or life skills workshop, and assessments include costs for staff, supplies and equipment, and overhead and operating costs, which were allocated using the average percentage of time spent on these activities in the time-use survey. The estimated costs of support services, other direct service contracts, work-based learning, occupational skills training, and education do not include costs for staff, supplies and equipment, or overhead and operating costs. Other direct service contracts included supplies for participant outreach. We assumed these costs were either built into those payments or the associated staff time and costs were represented as case management. All costs are presented in 2016 dollars.

[a] Represents the actual reported cost presented in Table G.1. The other costs presented in this table were estimated as described in the table note.

[b] Operating costs are the estimated cost of direct services including the ongoing administration cost. Ongoing administration costs include other direct service contracts that cannot be assigned to one of the defined direct services, such as a subcontract for interpretation services. Ongoing administration costs also include the costs of other ECCS/BCCS-related activities that are not direct services, including staff meetings and supervision and other activities. The ongoing administration costs presented in Table G.3a have been allocated proportionally across direct service types in this table.

Table G.4. Average percentage of time direct service provider staff spent on key pilot activities

Key activities	Percentage of total time
Direct service activities	
Assessments	5.5
Case management	28.7
Job readiness or life skills workshop	13.2
Administration activities	
Staff meetings and supervision	17.9
Recruitment and enrollment	27.2
Other pilot activities	2.9
Evaluation activities	4.6
Total	**100**

Source: SNAP employment and training evaluation survey of direct service provider time use, 2016-2018.

Note: This table shows the average percentage of time direct service staff spent on key pilot activities during the first. second, and third rounds of the time-use survey (fall 2016, summer 2017, and summer 2018). Twenty-five direct service staff were randomly selected to respond in each round. Direct services, including support services, other direct service contracts, work-based learning, occupational skills training, and education, are not included because we assumed staff costs were either built into those payments or the associated staff time and costs were represented as case management. Evaluation costs are excluded from all cost estimates, but this table includes time staff spent on the evaluation.

Table G.5a. Estimated costs overall and by service type for the ECCS/BCCS groups for ECCS/BCCS services, existing SNAP E&T services, or community-offered services, using pilot cost estimates and survey data

	ECCS group		BCCS group	
Costs	Total costs	Percentage of total	Total costs	Percentage of total
Total service costs estimate[a]	$7,173,518	100.0	$6,829,419	100.0
Operating costs by service type[b]				
Assessments	$661,988	9.2	$542,514	7.9
Case management	$1,725,962	24.1	$1,849,206	27.1
Job readiness or life skills workshop	$1,292,648	18.0	$870,687	12.7
Education	$51,776	0.7	$49,888	0.7
Occupational skills training	$167,181	2.3	$208,644	3.1
Support services	$714,342	10.0	$743,186	10.9
Work-based learning	$2,559,325	35.7	$2,564,998	37.6
Other direct service contracts[c]	$295	0.0	$295	0.0

Source: SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: This table estimates the cost of all services ECCS/BCCS group members might have received from the pilot ECCS/BCCS services, existing SNAP E&T services, or community offered services. The pilot cost estimates reflect the costs of services funded by grant and non-grant sources through pilot service providers. ECCS/BCCS group members could have received services through existing SNAP E&T or other community-offered programs while enrolled in the pilot, which would not be reflected in the ECCS/BCCS cost data. The estimates in this table test the sensitivity of the ECCS/BCCS group cost estimates to using an alternative estimate of services received during pilot enrollment. The SNAP employment and training evaluation 12- and 36-month surveys provide information on services received through the pilot, existing SNAP E&T, and other community-offered programs. The estimates were calculated as the product of the costs per ECCS/BCCS group member for each type of direct service and the number of ECCS/BCCS group members who received each type of direct service. Costs of each service type per ECCS/BCCS group member were calculated by dividing the overall cost of each direct service by the number of individuals in the administrative service use data who received that service. To estimate the number of all ECCS/BCCS group members who received a given direct service, we applied the survey-based percentage of ECCS/BCCS group members who received the direct service in the surveys to the total number of ECCS/BCCS group members enrolled in the pilot. The ECCS/BCCS cost of administration was added by applying the percentage of total costs represented by the costs of administration to each estimate. All costs are presented in 2016 dollars.

[a] This total cost estimate is the sum of the estimates of direct services and ongoing administration costs. It does not include recruitment or planning period costs (which covered both ECCS/BCCS and control group members).

[b] Operating costs are the estimated cost of direct services including the ongoing administration cost.

[c] Represents the actual cost reported for other direct service contract costs (which covered ECCS/BCCS group services only).

Table G.5b. Estimated costs, overall and by service type for the ECCS/BCCS groups for ECCS/BCCS services, existing SNAP E&T services, or community-offered services: sensitivity analysis using WIA cost estimates and survey data

	ECCS group		BCCS group	
Costs	Total costs	Percentage of total	Total costs	Percentage of total
Total service costs estimate[a]	$2,876,080	100.0	$2,389,180	100.0
Operating costs by service type[b]				
Assessments	$7,437	0.3	$5,136	0.2
Case management	$803,636	27.9	$725,566	30.4
Job readiness or life skills workshop[c]	$11,801	0.4	$6,698	0.3
Education	$753,763	26.2	$542,547	22.7
Occupational skills training	$216,067	7.5	$227,233	9.5
Support services[d]	$22,975	0.8	$20,143	0.8
Work-based learning[e]	$1,060,400	36.9	$861,858	36.1
Other direct service contracts[f]	$295	0.0	$295	0.0

Source: WIA Gold Standard Evaluation cost estimates 2012; SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: This sensitivity analysis provides context for how ECCS/BCCS group costs compare to estimated control group costs, which were calculated using data from the WIA Gold Standard Evaluation. The estimates in this table test the sensitivity of the ECCS/BCCS group cost estimates to using the same methods that were used to calculate the control group cost estimates. The estimates were calculated as the product of the WIA costs per individual for each type of direct service and the number of ECCS/BCCS group members who received each type of direct service in the SNAP employment and training evaluation 12- and 36- month survey data. To estimate the number of all ECCS/BCCS group members who received a given direct service, we applied the survey-based percentage of ECCS/BCCS group members who received the direct service in the surveys to the total number of ECCS/BCCS group members enrolled in the pilot. Administration costs are included in the WIA cost estimates and are therefore represented in these estimates. All costs are presented in 2016 dollars.

[a] This total cost estimate is the sum of the estimates of direct services and ongoing administration costs. It does not include recruitment or planning period costs (which covered both ECCS/BCCS and control group members) or other direct service contract costs (which covered ECCS/BCCS group services only).

[b] Operating costs are the estimated cost of direct services including the ongoing administration cost.

[c] Job readiness or life skills workshop costs are equated with the costs of similar services from the WIA Gold Standard Evaluation. The most similar WIA Gold Standard evaluation services were job club (an open group meeting to discuss job search strategies), resource room visits (an open room with computers and job search resources), and workshop (a structured class on a job search topic, such as resume writing). Based on the existing SNAP E&T services available in Mississippi we assumed that control group members who reported receiving job search assistance or job readiness or skills training in the SNAP employment and training evaluation 12- or 36- month survey received or participated in 1 resource room visit.

[d] The cost of support services was estimated using FNS-583 data on existing SNAP E&T support service expenditures (also called participant reimbursements) and participation numbers from fiscal year 2018 for Mississippi. This is the same cost that was used for other control group estimates instead of using WIA Gold Standard Evaluation cost estimates on support services.

[e] Work-based learning costs are equated with the costs of similar services from the WIA Gold Standard evaluation. The most similar WIA Gold Standard evaluation services were on-the-job training (subsidized specific job training which occurs with an employer in a workplace) and other training at an employer.

[f] This is the actual cost reported for other direct service contract costs (which covered ECCS/BCCS group services only).

Table G.6a. Estimated costs overall and by service type for the control group for existing SNAP E&T services or community-offered services, using WIA costs and survey data

Costs	Total costs	Percentage of total
Total service costs estimate	$2,007,671	100.0
Operating costs by service type[a]		
Assessments	$4,121	0.2
Case management	$546,442	27.2
Job readiness or life skills workshop[b]	$6,562	0.3
Education	$1,097,071	54.6
Occupational skills training	$67,275	3.4
Support services[c]	$17,279	0.9
Work-based learning[d]	$268,920	13.4

Source: WIA Gold Standard Evaluation cost estimates 2012; FNS-583 data 2018; SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: Control group cost estimates were calculated as the product of the WIA costs per individual for each type of direct service and the number of control group members who received each type of direct service in the SNAP employment and training evaluation 12- and 36- month survey data. To estimate the number of all control group members who received a given direct service, we applied the survey-based percentage of control group members who received the direct service in the surveys to the total number of control group members enrolled in the pilot. Administration costs are included in the WIA cost estimates and are therefore represented in these estimates. All costs are presented in 2016 dollars.

[a] Operating costs are the estimated cost of direct services including the ongoing administration cost.

[b] Job readiness or life skills workshop costs are equated with the costs of similar services from the WIA Gold Standard Evaluation. The most similar WIA Gold Standard evaluation services were job club (an open group meeting to discuss job search strategies), resource room visits (an open room with computers and job search resources), and workshop (a structured class on a job search topic, such as resume writing). Based on the existing SNAP E&T services available in Mississippi we assumed that control group members who reported receiving job search assistance or job readiness or skills training in the SNAP employment and training evaluation 12- or 36- month survey received or participated in 1 resource room visit.

[c] The cost of support services was estimated using FNS-583 data on existing SNAP E&T support service expenditures (also called participant reimbursements) and participation numbers from fiscal year 2018.

[d] Work-based learning costs are equated with the costs of similar services from the WIA Gold Standard evaluation. The most similar WIA Gold Standard evaluation services were on-the-job training (subsidized specific job training which occurs with an employer in a workplace) and other training at an employer.

Table G.6b. Estimated costs overall and by service type for the control group for existing SNAP E&T services or community-offered services: sensitivity analyses using pilot cost estimates and survey data

Costs	Total costs	Percentage of total
Total service costs estimate	$6,294,998	100.0
Operating costs by service type[a]		
Assessments	$650,130	10.3
Case management	$2,079,921	33.0
Job readiness or life skills workshop	$1,273,869	20.2
Education	$51,130	0.8
Occupational skills training	$92,254	1.5
Support services	$952,120	15.1
Work-based learning	$1,195,279	19.0

Source: SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: This sensitivity analysis provides context for how control group costs compare to ECCS/BCCS group costs. The estimates in this table test the sensitivity of the control group cost estimates to using ECCS/BCCS group costs per individual by service type to calculate an alternative estimate. The estimates were calculated as the product of the ECCS/BCCS group costs per individual for each type of direct service and the number of control group members who received each type of direct service in the SNAP employment and training evaluation 12- and 36- month survey data. To estimate the number of all control group members who received a given direct service, we applied the survey-based percentage of control group members who received the direct service in the surveys to the total number of control group members enrolled in the pilot. The ECCS/BCCS cost of administration was added by applying the percentage of total costs represented by costs of administration to each estimate. All costs are presented in 2016 dollars.

[a] Operating costs are the estimated cost of direct services including the ongoing administration cost.

Table G.7. Costs per individual, for ECCS/BCCS and control group members

	Mean
Cost of pilot recruitment per individual (ECCS/BCCS and control group members)	$527
Cost of services per ECCS group member	
ECCS services only	$4,912
Operating costs[a]	$4,140
Subsidized earnings while in program	$491
Support services while in program	$281
ECCS services, existing SNAP E&T services, or community-offered services	$4,565
Operating costs[a]	$3,784
Subsidized earnings while in program	$610
Support services while in program	$170
Cost of services per BCCS group member	
BCCS services only	$3,909
Operating costs[a]	$3,241
Subsidized earnings while in program	$403
Support services while in program	$265
BCCS services, existing SNAP E&T services, or community-offered services	$3,673
Operating costs[a]	$3,001
Subsidized earnings while in program	$521
Support services while in program	$151
Cost of services per control group member	$1,909
Operating costs	$1,627
Subsidized earnings while in program	$264
Support services while in program	$17

Source: SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Note: The estimates in this table describe the cost per individual of pilot recruitment and ongoing services and administration for ECCS/BCCS and control group members. The cost of pilot recruitment per individual is the overall cost of recruitment divided by the number of individuals enrolled in both the ECCS/BCCS and control groups. The cost of services per ECCS/BCCS and control group member are the means of the individual-level estimates of the costs of services for each ECCS/BCCS and control group member based on the services they received and the per individual costs by service type. We use the difference of the ECCS/BCCS and control group costs estimated using the 12- and 36-month survey data as the net costs presented in the cost-benefit analysis in subsequent tables because these costs most accurately reflect all the services individuals received and which contributed to impacts on earnings and other outcomes. All costs are presented in 2016 dollars.

[a] Operating costs are the estimated cost of direct services including the ongoing administration cost.

The costs of supplies and equipment ($93,066) that were incurred during the planning period are included in the operating costs amount per individual. No other planning period costs are included.

Cost per ECCS group member, (ECCS services only): standard error $116; range $123−$16,048; confidence interval $3,912−$4,367.

Table G.7. Costs per individual, for ECCS/BCCS and control group members (continued)

Cost per ECCS group member (ECCS services, existing SNAP E&T services, or community-offered services): standard error $255; range $123−$31,246; confidence interval $3,282−$4,286.

Cost per BCCS group member, (BCCS services only): standard error $94; range $123−$16,410; confidence interval $3,056−$3,426

Cost per BCCS group member (BCCS services, existing SNAP E&T services, or community-offered services): standard error $236; range $123−$35,114; confidence interval $2,537−$3,465.

Cost per control group member: standard error $307; range $0−$25,335; confidence interval $1,023−$2,232.

Cost-benefit analysis methods

The cost-benefit accounting frameworks presented in the following series of tables provides a list of potential benefits and costs from three perspectives (1) individuals enrolled in services, (2) government and taxpayers, and (3) society, which represents the sum of the other two perspectives. Below we describe the method of calculating the benefit or cost and the data sources used.

- **Earnings:** Estimated using the cumulative earnings outcomes based on UI wage records and 12- and 36-month follow-up survey data.
- **Fringe benefits:** Estimated using the average value of fringe benefits as a percentage of earnings from the Department of Labor National Compensation Survey (20.9 percent of earnings).
- **Taxes:** Estimated using the marginal tax rate for federal, State, and Social Security taxes on earnings for the State and year. The estimate uses the marital status of the majority of individuals in the baseline survey data. A 2.6 percent excise tax is also included. Tax rates were calculated using TaxSim, a tax simulator from the National Bureau of Economic Research, available at http://users.nber.org/~taxsim/taxsim32/. A tax value which is positive to individuals and negative to government and taxpayers reflects that individuals received a tax refund.
- **SNAP and TANF benefits:** Estimated using the cumulative SNAP and TANF benefits outcomes based on SNAP administrative data.
- **Administration costs:** Estimated using publicly available information on the fraction of assistance accounted for by administrative costs from Food and Nutrition Service and Administration for Children and Families sources. Estimate for SNAP: 11.8 percent of benefits (Food and Nutrition Service. "Supplemental Nutrition Assistance Program State Activity Report, Fiscal Year 2016." Available at https://fns-prod.azureedge.net/sites/default/files/snap/FY16-State-Activity-Report.pdf accessed December 15, 2020. (Table 10 total, p. 12 divided by Table 5 total, p. 5). Estimate for TANF: 6.3 percent of benefits ("TANF Financial Data, Fiscal Year 2016." Available at https://www.acf.hhs.gov/ofa/resource/tanf-financial-data-fy-2016 accessed December 15, 2020. [Table A.1, p. 6]).
- **Net operating costs:** Estimated by calculating the difference between ECCS, BCCS, and control group costs per individual. These costs excluded planning period costs but included the costs of supplies and equipment incurred during the planning period that supported ongoing services once they started.
- **Net subsidized earnings and support service costs:** Estimated by calculating the difference between ECCS, BCCS, and control group costs per individual. Subsidized earnings and support services directly benefit individuals while they are enrolled in services. We assumed the subsidized earnings benefitting individuals are reflected in the earnings impacts presented as the first row in the benefits section of the table. All earnings presented in the first row in the benefits section of the table are included in the fringe and tax estimates, though we do not know the extent to which subsidized earnings would have translated into these benefits in practice. These subsidized earnings are offset by the costs to government and taxpayers, which is represented in the second row of the costs section of the table. We presented the support services as a benefit (positive transfer) to individuals under the third row of the cost section of the table and these support services are offset by the costs to government and taxpayers in the same row. Both subsidized earnings and support services are assumed to have a net neutral (zero) benefit to society because the benefits are offset by the costs.

- **Net benefit:** Estimated by calculating the difference between total benefits and total costs for each perspective. A negative net benefit is a net cost to that perspective.
- **Benefit cost ratio:** Estimated by calculating the quotient of total benefits and total costs to society. A benefit-cost ratio greater than one represents greater benefits than costs to society, and a number less than one suggests fewer benefits than costs. For example, a benefit-cost ratio of two suggests that society benefits by two dollars for every one dollar invested; a benefit-cost ratio of negative 2 suggests that society loses two dollars for every one dollar invested.

Table G.8a. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, UI wage records

	Perspective		
	ECCS group	Government and taxpayers	Society
Benefits ($)			
Employment and earnings			
Earnings (UI wage records)	2,323**	0	2,323
Fringe benefits	486	0	486
Tax payments	611	-611	0
Use of public benefits			
SNAP benefits	266**	-266	0
TANF benefits	19*	-19	0
Reduced administration costs	0	-33	-33
Total benefits	3,704	-928	2,776
Costs ($)			
Net operating costs	0	-2,157	-2,157
Net subsidized earnings while in services	0	-346	-346
Net support services while in services	153	-153	0
Total costs	153	-2,656	-2,503
Net benefit ($)	3,858	-3,584	274
Benefit-cost ratio			1.11

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. The benefit-cost ratio is the quotient of the total benefits and total costs. A negative net benefit is a net cost. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference in earnings between the ECCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per ECCS group member is $116 and of the cost per control group member is $307.

Table G.8b. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, UI wage records

	Perspective		
	BCCS group	Government and taxpayers	Society
Benefits ($)			
Employment and earnings			
Earnings (UI wage records)	1,623*	0	1,623
Fringe benefits	339	0	339
Tax payments	763	-763	0
Use of public benefits			
SNAP benefits	267**	-267	0
TANF benefits	0	0	0
Reduced administration costs	0	-32	-32
Total benefits	2,992	-1,062	1,930
Costs ($)			
Net operating costs	0	-1,374	-1,374
Net subsidized earnings while in services	0	-256	-256
Net support services while in services	134	-134	0
Total costs	134	-1,764	-1,630
Net benefit ($)	3,126	-2,826	300
Benefit-cost ratio			1.18

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. The benefit-cost ratio is the quotient of the total benefits and total costs. A negative net benefit is a net cost. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference in earnings between the BCCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per BCCS group member is $94 and of the cost per control group member is $307

Table G.9a. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, 36-month survey data

	Perspective		
	ECCS group	Government and taxpayers	Society
Benefits ($)			
Employment and earnings			
Earnings (survey data)	1,581	0	1,581
Fringe benefits	330	0	330
Tax payments	-409	409	0
Use of public benefits			
SNAP benefits	266**	-266	0
TANF benefits	19*	-19	0
Reduced administration costs	0	-33	-33
Total benefits	1,787	92	1,879
Costs ($)			
Net operating costs	0	-2,157	-2,157
Net subsidized earnings while in services	0	-346	-346
Net support services while in services	153	-153	0
Total costs	153	-2,656	-2,503
Net benefit ($)	1,941	-2,564	-624
Benefit-cost ratio			0.75

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; and WIA Gold Standard Evaluation cost estimates, 2012.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. The benefit-cost ratio is the quotient of the total benefits and total costs. A negative net benefit is a net cost. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between ECCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per ECCS group member is $116 and of the cost per control group member is $307.

Table G.9b. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, 36-month survey data

	Perspective		
	BCCS group	Government and taxpayers	Society
Benefits ($)			
Employment and earnings			
Earnings (survey data)	-2,326	0	-2,326
Fringe benefits	-486	0	-486
Tax payments	601	-601	0
Use of public benefits			
SNAP benefits	267**	-267	0
TANF benefits	0	0	0
Reduced administration costs	0	-32	-32
Total benefits	-1,944	-900	-2,844
Costs ($)			
Net operating costs	0	-1,374	-1,374
Net subsidized earnings while in services	0	-256	-256
Net support services while in services	134	-134	0
Total costs	134	-1,764	-1,630
Net benefit ($)	-1,810	-2,664	-4,474
Benefit-cost ratio			-1.74

Source: SNAP employment and training evaluation 12- and 36-month surveys, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; and WIA Gold Standard Evaluation cost estimates, 2012.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. The benefit-cost ratio is the quotient of the total benefits and total costs. A negative net benefit is a net cost. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between BCCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per BCCS group member is $94 and of the cost per control group member is $307.

Sensitivity analyses for cost-benefit analysis

We conducted a number of sensitivity analyses to determine whether the main conclusions are sensitive to the many assumptions needed to conduct a cost-benefit analysis. We examined the sensitivity of our results to the following changes in these assumptions to ensure that none were crucial to our findings.

- **Alternative fringe benefit rates**. The main analysis uses a single fringe benefit rate for the pilot (20.9 percent). Individuals' actual fringe benefit rates could vary based on their employment and other household factors (such as having children). We used an alternative fringe benefit rate to assess the sensitivity of benefit estimates to those assumptions. We decreased and increased fringe benefit rates by 5 percent of earnings to estimate an alternative set of net benefits and benefit-cost ratios.
- **Alternative tax rates.** The main analysis uses a single marginal tax rate for the pilot based on the earnings impact and the characteristics of individuals in the pilot at enrollment. Individuals' effective tax rates could vary based on their earnings and other deductions (such as having children). We decreased and increased tax rates by 5 percent to estimate an alternative set of net benefits and benefit-cost ratios.
- **Alternative discount rates.** The main analysis uses discount rate to convert all benefits and costs incurred after 2016 to their 2016 value. The discount rate was based on the rate of return of a 30-year Treasury bond rate as of January 1, 2016 (approximately when the pilots started), which was 2.98 percent. This sensitivity analysis uses an alternative Treasury bond rate to assess the sensitivity of estimates to different rates of return through the discount rate. We used discount rates of 2 percent and 4 percent to estimate an alternative set of net benefits and benefit-cost ratios.
- **Alternative assumption that subsidized earnings are not included in UI wage record estimates of earnings.** The main analysis assumes that subsidized earnings provided to individuals engaged in work-based learning activities were reported to State UI agencies and were included in UI wage record estimates of earnings. It is possible that not all providers reported subsidized earnings to State UI agencies. This sensitivity analysis uses the alternative assumption that subsidized earnings are not included in UI wage record estimates of earnings, but instead were a direct transfer benefitting individuals. There were no changes to how this assumption impacted the costs of subsidized earnings to the government or society. We assumed subsidized earnings are included in 36-month survey estimates of earnings. **Alternative assumption that treatment group members only received services through ECCS and BCCS.** The main analysis assumes that ECCS and BCCS group members received additional services outside of ECCS and BCCS through existing SNAP E&T and the community. We use data from the 12- and 36-month follow-up surveys to estimate service receipt for ECCS and BCCS group members, and assume any difference in estimate costs of ECCS and BCCS and all services ECCS and BCCS group members received based on the survey is attributed to services received outside of ECCS and BCCS. Survey data are self-reported and could over or underestimate the services that ECCS and BCCS group members received. This sensitivity analysis uses the alternative assumption that ECCS and BCCS group members only received services through ECCS and BCCS and estimates the net benefits using these alternate estimates of costs.

Table G.10a. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group: summary of sensitivity analyses for UI wage records and 36-month survey data

	Net benefit, by perspective			Benefit-cost ratio for society
	ECCS group	Government and taxpayers	Society	
UI wage records ($)				
Main specification	3,858	-3,584	274	1.11
5% lower fringe rate	3,742	-3,584	158	1.06
5% higher fringe rate	3,974	-3,584	390	1.16
5% lower tax rate	3,974	-3,700	274	1.11
5% higher tax rate	3,742	-3,468	274	1.11
2% discount rate	3,938	-3,736	202	1.08
4% discount rate	3,777	-3,426	351	1.15
Subsidized earnings not included in UI wage records	4,204	-3,584	620	1.29
Using costs of ECCS services only	3,968	-3,931	37	1.01
36-month survey data ($)				
Main specification	1,941	-2,564	-624	0.75
5% lower fringe rate	1,862	-2,564	-703	0.72
5% higher fringe rate	2,020	-2,564	-545	0.78
5% lower tax rate	2,020	-2,644	-624	0.75
5% higher tax rate	1,862	-2,485	-624	0.75
2% discount rate	1,996	-2,690	-694	0.74
4% discount rate	1,885	-2,433	-547	0.77
Using costs of ECCS services only	2,051	-2,912	-860	0.69

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

Table G.10b. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group: summary of sensitivity analyses for UI wage records and 36-month survey data

	Net benefit, by perspective			Benefit-cost ratio for society
	BCCS group	Government and taxpayers	Society	
UI wage records ($)				
Main specification	3,126	-2,826	300	1.18
5% lower fringe rate	3,045	-2,826	219	1.13
5% higher fringe rate	3,207	-2,826	381	1.23
5% lower tax rate	3,207	-2,907	300	1.18
5% higher tax rate	3,045	-2,745	300	1.18
2% discount rate	3,191	-2,966	225	1.13
4% discount rate	3,061	-2,680	381	1.25
Subsidized earnings not included in UI wage records	3,382	-2,826	556	1.40
Using costs of BCCS services only	3,240	-3,062	177	1.10
36-month survey data ($)				
Main specification	-1,810	-2,664	-4,474	-1.74
5% lower fringe rate	-1,694	-2,664	-4,358	-1.67
5% higher fringe rate	-1,926	-2,664	-4,590	-1.82
5% lower tax rate	-1,926	-2,548	-4,474	-1.74
5% higher tax rate	-1,694	-2,780	-4,474	-1.74
2% discount rate	-1,859	-2,803	-4,662	-1.66
4% discount rate	-1,761	-2,519	-4,281	-1.85
Using costs of BCCS services only	-1,696	-2,901	-4,597	-1.62

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

Table G.11a.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of individuals

		Sensitivity analyses from the perspective of individuals							
		Fringe rates		Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of ECCS services only
Benefits ($)									
Employment and earnings									
Earnings (UI wage records)	2,323	2,323	2,323	2,323	2,323	2,375	2,271	2,323	2,323
Fringe benefits	486	369	602	486	486	496	475	486	486
Tax payments	611	611	611	727	495	624	598	611	611
Use of public benefits									
SNAP benefits	266	266	266	266	266	269	263	266	266
TANF benefits	19	19	19	19	19	19	18	19	19
Reduced administration costs	0	0	0	0	0	0	0	0	0
Total benefits	3,704	3,588	3,820	3,820	3,588	3,783	3,626	3,704	3,704
Costs ($)									
Net operating costs	0	0	0	0	0	0	0	0	0
Net subsidized earnings while in services	0	0	0	0	0	0	0	346	0
Net support services while in services	153	153	153	153	153	156	151	153	264

		Sensitivity analyses from the perspective of individuals							
		Fringe rates		Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of ECCS services only
Total costs	153	153	153	153	153	156	151	499	264
Net benefit ($)	3,858	3,742	3,974	3,974	3,742	3,938	3,777	4,204	3,968

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. The benefit-cost ratio is the quotient of the total benefits and total costs. A negative net benefit is a net cost. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between ECCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per ECCS group member is $116 and of the cost per control group member is $307.

Table G.11a.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of BCCS group members

			Sensitivity analyses from the perspective of individuals						
			Fringe rates	Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of BCCS services only
Benefits ($)									
Employment and earnings									
Earnings (UI wage records)	1,623	1,623	1,623	1,623	1,623	1,661	1,584	1,623	1,623
Fringe benefits	339	258	420	339	339	347	331	339	339
Tax payments	763	763	763	844	682	779	747	763	763
Use of public benefits									
SNAP benefits	267	267	267	267	267	268	266	267	267
TANF benefits	0	0	0	0	0	0	0	0	0
Reduced administration costs	0	0	0	0	0	0	0	0	0
Total benefits	2,992	2,911	3,073	3,073	2,911	3,055	2,929	2,992	2,992
Costs ($)									
Net operating costs	0	0	0	0	0	0	0	0	0
Net subsidized earnings while in services	0	0	0	0	0	0	0	256	0

			Sensitivity analyses from the perspective of individuals						
			Fringe rates	Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of BCCS services only
Net support services while in services	134	134	134	134	134	136	132	134	248
Total costs	134	134	134	134	134	136	132	390	248
Net benefit ($)	3,126	3,045	3,207	3,207	3,045	3,191	3,061	3,382	3,240

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between BCCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per BCCS group member is $94 and of the cost per control group member is $307.

Table G.11b.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of government and taxpayers

		Sensitivity analyses from the perspective of government and taxpayers							
		Fringe rates		Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of ECCS services only
Benefits ($)									
Employment and earnings									
Earnings (UI wage records)	0	0	0	0	0	0	0	0	0
Fringe benefits	0	0	0	0	0	0	0	0	0
Tax payments	-611	-611	-611	-727	-495	-624	-598	-611	-611
Use of public benefits									
SNAP benefits	-266	-266	-266	-266	-266	-269	-263	-266	-266
TANF benefits	-19	-19	-19	-19	-19	-19	-18	-19	-19
Reduced administration costs	-33	-33	-33	-33	-33	-33	-32	-33	-33
Total benefits	-928	-928	-928	-1,044	-812	-944	-912	-928	-928
Costs ($)									
Net operating costs	-2,157	-2,157	-2,157	-2,157	-2,157	-2,270	-2,038	-2,157	-2,512
Net subsidized earnings while in services	-346	-346	-346	-346	-346	-366	-325	-346	-227

		Sensitivity analyses from the perspective of government and taxpayers							
		Fringe rates		Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of ECCS services only
Net support services while in services	-153	-153	-153	-153	-153	-156	-151	-153	-264
Total costs	-2,656	-2,656	-2,656	-2,656	-2,656	-2,792	-2,514	-2,656	-3,003
Net benefit ($)	-3,584	-3,584	-3,584	-3,700	-3,468	-3,736	-3,426	-3,584	-3,931

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between ECCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per ECCS group member is $116 and of the cost per control group member is $307.

Table G.11b.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of government and taxpayers

		Sensitivity analyses from the perspective of government and taxpayers							
		Fringe rates		Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of BCCS services only
Benefits ($)									
Employment and earnings									
Earnings (UI wage records)	0	0	0	0	0	0	0	0	0
Fringe benefits	0	0	0	0	0	0	0	0	0
Tax payments	-763	-763	-763	-844	-682	-779	-747	-763	-763
Use of public benefits									
SNAP benefits	-267	-267	-267	-267	-267	-268	-266	-267	-267
TANF benefits	0	0	0	0	0	0	0	0	0
Reduced administration costs	-32	-32	-32	-32	-32	-32	-31	-32	-32
Total benefits	-1,062	-1,062	-1,062	-1,143	-981	-1,079	-1,045	-1,062	-1,062
Costs ($)									
Net operating costs	-1,374	-1,374	-1,374	-1,374	-1,374	-1,477	-1,266	-1,374	-1,614
Net subsidized earnings while in services	-256	-256	-256	-256	-256	-275	-237	-256	-139

		Sensitivity analyses from the perspective of government and taxpayers							
		Fringe rates		Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of BCCS services only
Net support services while in services	-134	-134	-134	-134	-134	-136	-132	-134	-248
Total costs	-1,764	-1,764	-1,764	-1,764	-1,764	-1,888	-1,635	-1,764	-2,001
Net benefit ($)	-2,826	-2,826	-2,826	-2,907	-2,745	-2,966	-2,680	-2,826	-3,062

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between BCCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per BCCS group member is $94 and of the cost per control group member is $307.

Table G.11c.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of society

			Sensitivity analyses from the perspective of society						
			Fringe rates	Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of ECCS services only
Benefits ($)									
Employment and earnings									
Earnings (UI wage records)	2,323	2,323	2,323	2,323	2,323	2,375	2,271	2,323	2,323
Fringe benefits	486	369	602	486	486	496	475	486	486
Tax payments	0	0	0	0	0	0	0	0	0
Use of public benefits									
SNAP benefits	0	0	0	0	0	0	0	0	0
TANF benefits	0	0	0	0	0	0	0	0	0
Reduced administration costs	-33	-33	-33	-33	-33	-33	-32	-33	-33
Total benefits	2,776	2,660	2,893	2,776	2,776	2,838	2,714	2,776	2,776
Costs ($)									
Net operating costs	-2,157	-2,157	-2,157	-2,157	-2,157	-2,270	-2,038	-2,157	-2,512
Net subsidized earnings while in services	-346	-346	-346	-346	-346	-366	-325	0	-227

			Sensitivity analyses from the perspective of society						
			Fringe rates	Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of ECCS services only
Net support services while in services	0	0	0	0	0	0	0	0	0
Total costs	-2,503	-2,503	-2,503	-2,503	-2,503	-2,636	-2,363	-2,157	-2,739
Net benefit ($)	274	158	390	274	274	202	351	620	37
Benefit-cost ratio	1.11	1.06	1.16	1.11	1.11	1.08	1.15	1.29	1.01

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between ECCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per ECCS group member is $116 and of the cost per control group member is $307.

Table G.11c.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, UI wage records: sensitivity analyses from the perspective of society

		Sensitivity analyses from the perspective of society							
		Fringe rates		Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of BCCS services only
Benefits ($)									
Employment and earnings									
Earnings (UI wage records)	1,623	1,623	1,623	1,623	1,623	1,661	1,584	1,623	1,623
Fringe benefits	339	258	420	339	339	347	331	339	339
Tax payments	0	0	0	0	0	0	0	0	0
Use of public benefits									
SNAP benefits	0	0	0	0	0	0	0	0	0
TANF benefits	0	0	0	0	0	0	0	0	0
Reduced administration costs	-32	-32	-32	-32	-32	-32	-31	-32	-32
Total benefits	1,930	1,849	2,011	1,930	1,930	1,976	1,884	1,930	1,930
Costs ($)									
Net operating costs	-1,374	-1,374	-1,374	-1,374	-1,374	-1,477	-1,266	-1,374	-1,614
Net subsidized earnings while in services	-256	-256	-256	-256	-256	-275	-237	0	-139

		Sensitivity analyses from the perspective of society							
		Fringe rates		Tax rates		Discount rates		Subsidized earnings	Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Not included in UI wage records	Using costs of BCCS services only
Net support services while in services	0	0	0	0	0	0	0	0	0
Total costs	-1,630	-1,630	-1,630	-1,630	-1,630	-1,752	-1,503	-1,374	-1,753
Net benefit ($)	300	219	381	300	300	225	381	556	177
Benefit-cost ratio	1.18	1.13	1.23	1.18	1.18	1.13	1.25	1.40	1.10

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between BCCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per BCCS group member is $94 and of the cost per control group member is $307.

Table G.12a.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of ECCS group members

		Sensitivity analyses from the perspective of individuals						
		Fringe rates		Tax rates		Discount rates		Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Using costs of ECCS services only
Benefits ($)								
Employment and earnings								
Earnings (36-month survey data)	1,581	1,581	1,581	1,581	1,581	1,634	1,529	1,581
Fringe benefits	330	251	410	330	330	341	319	330
Tax payments	-409	-409	-409	-330	-488	-422	-395	-409
Use of public benefits								
SNAP benefits	266	266	266	266	266	269	263	266
TANF benefits	19	19	19	19	19	19	18	19
Reduced administration costs	0	0	0	0	0	0	0	0
Total benefits	1,787	1,708	1,867	1,867	1,708	1,841	1,734	1,787
Costs ($)								
Net operating costs	0	0	0	0	0	0	0	0
Net subsidized earnings while in services	0	0	0	0	0	0	0	0
Net support services while in services	153	153	153	153	153	156	151	264
Total costs	153	153	153	153	153	156	151	264
Net benefit ($)	1,941	1,862	2,020	2,020	1,862	1,996	1,885	2,051

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between ECCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per ECCS group member is $116 and of the cost per control group member is $307.

Table G.12a.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of BCCS group members

		Sensitivity analyses from the perspective of individuals						
		Fringe rates		Tax rates		Discount rates		Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Using costs of BCCS services only
Benefits ($)								
Employment and earnings								
Earnings (36-month survey data)	-2,326	-2,326	-2,326	-2,326	-2,326	-2,381	-2,271	-2,326
Fringe benefits	-486	-370	-602	-486	-486	-498	-475	-486
Tax payments	601	601	601	485	718	615	587	601
Use of public benefits								
SNAP benefits	267	267	267	267	267	268	266	267
TANF benefits	0	0	0	0	0	0	0	0
Reduced administration costs	0	0	0	0	0	0	0	0
Total benefits	-1,944	-1,828	-2,060	-2,060	-1,828	-1,995	-1,893	-1,944
Costs ($)								
Net operating costs	0	0	0	0	0	0	0	0
Net subsidized earnings while in services	0	0	0	0	0	0	0	0
Net support services while in services	134	134	134	134	134	136	132	248
Total costs	134	134	134	134	134	136	132	248
Net benefit ($)	-1,810	-1,694	-1,926	-1,926	-1,694	-1,859	-1,761	-1,696

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between BCCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per BCCS group member is $94 and of the cost per control group member is $307.

Table G.12b.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of government and taxpayers

		Sensitivity analyses from the perspective of government and taxpayers						
		Fringe rates		Tax rates		Discount rates		Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Using costs of ECCS services only
Benefits ($)								
Employment and earnings								
Earnings (36-month survey data)	0	0	0	0	0	0	0	0
Fringe benefits	0	0	0	0	0	0	0	0
Tax payments	409	409	409	330	488	422	395	409
Use of public benefits								
SNAP benefits	-266	-266	-266	-266	-266	-269	-263	-266
TANF benefits	-19	-19	-19	-19	-19	-19	-18	-19
Reduced administration costs	-33	-33	-33	-33	-33	-33	-32	-33
Total benefits	92	92	92	13	171	102	82	92
Costs ($)								
Net operating costs	-2,157	-2,157	-2,157	-2,157	-2,157	-2,270	-2,038	-2,512
Net subsidized earnings while in services	-346	-346	-346	-346	-346	-366	-325	-227
Net support services while in services	-153	-153	-153	-153	-153	-156	-151	-264
Total costs	-2,656	-2,656	-2,656	-2,656	-2,656	-2,792	-2,514	-3,003
Net benefit ($)	-2,564	-2,564	-2,564	-2,644	-2,485	-2,690	-2,433	-2,912

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between ECCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per ECCS group member is $116 and of the cost per control group member is $307.

Table G.12b.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of government and taxpayers

		Sensitivity analyses from the perspective of government and taxpayers						
		Fringe rates		Tax rates		Discount rates		Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Using costs of BCCS services only
Benefits ($)								
Employment and earnings								
Earnings (36-month survey data)	0	0	0	0	0	0	0	0
Fringe benefits	0	0	0	0	0	0	0	0
Tax payments	-601	-601	-601	-485	-718	-615	-587	-601
Use of public benefits								
SNAP benefits	-267	-267	-267	-267	-267	-268	-266	-267
TANF benefits	0	0	0	0	0	0	0	0
Reduced administration costs	-32	-32	-32	-32	-32	-32	-31	-32
Total benefits	-900	-900	-900	-784	-1,016	-915	-885	-900
Costs ($)								
Net operating costs	-1,374	-1,374	-1,374	-1,374	-1,374	-1,477	-1,266	-1,614
Net subsidized earnings while in services	-256	-256	-256	-256	-256	-275	-237	-139
Net support services while in services	-134	-134	-134	-134	-134	-136	-132	-248
Total costs	-1,764	-1,764	-1,764	-1,764	-1,764	-1,888	-1,635	-2,001
Net benefit ($)	-2,664	-2,664	-2,664	-2,548	-2,780	-2,803	-2,519	-2,901

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between BCCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per BCCS group member is $94 and of the cost per control group member is $307.

Table G.12c.1. Benefits and costs associated with ECCS services, existing SNAP E&T services, or community-offered services, for the ECCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of society

		Sensitivity analyses from the perspective of society						
		Fringe rates		Tax rates		Discount rates		Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Using costs of ECCS services only
Benefits ($)								
Employment and earnings								
Earnings (36-month survey data)	1,581	1,581	1,581	1,581	1,581	1,634	1,529	1,581
Fringe benefits	330	251	410	330	330	341	319	330
Tax payments	0	0	0	0	0	0	0	0
Use of public benefits								
SNAP benefits	0	0	0	0	0	0	0	0
TANF benefits	0	0	0	0	0	0	0	0
Reduced administration costs	-33	-33	-33	-33	-33	-33	-32	-33
Total benefits	1,879	1,800	1,958	1,879	1,879	1,942	1,816	1,879
Costs ($)								
Net operating costs	-2,157	-2,157	-2,157	-2,157	-2,157	-2,270	-2,038	-2,512
Net subsidized earnings while in services	-346	-346	-346	-346	-346	-366	-325	-227
Net support services while in services	0	0	0	0	0	0	0	0
Total costs	-2,503	-2,503	-2,503	-2,503	-2,503	-2,636	-2,363	-2,739
Net benefit ($)	-624	-703	-545	-624	-624	-694	-547	-860
Benefit-cost ratio	0.75	0.72	0.78	0.75	0.75	0.74	0.77	0.69

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between ECCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per ECCS group member is $116 and of the cost per control group member is $307.

Table G.12c.2. Benefits and costs associated with BCCS services, existing SNAP E&T services, or community-offered services, for the BCCS group compared to the control group, 36-month survey data: sensitivity analyses from the perspective of society

		Sensitivity analyses from the perspective of society						
		Fringe rates		Tax rates		Discount rates		Cost estimates
	Main specification	5% lower fringe rate	5% higher fringe rate	5% lower tax rate	5% higher tax rate	2% discount rate	4% discount rate	Using costs of BCCS services only
Benefits ($)								
Employment and earnings								
Earnings (36-month survey data)	-2,326	-2,326	-2,326	-2,326	-2,326	-2,381	-2,271	-2,326
Fringe benefits	-486	-370	-602	-486	-486	-498	-475	-486
Tax payments	0	0	0	0	0	0	0	0
Use of public benefits								
SNAP benefits	0	0	0	0	0	0	0	0
TANF benefits	0	0	0	0	0	0	0	0
Reduced administration costs	-32	-32	-32	-32	-32	-32	-31	-32
Total benefits	-2,844	-2,728	-2,960	-2,844	-2,844	-2,910	-2,778	-2,844
Costs ($)								
Net operating costs	-1,374	-1,374	-1,374	-1,374	-1,374	-1,477	-1,266	-1,614
Net subsidized earnings while in services	-256	-256	-256	-256	-256	-275	-237	-139
Net support services while in services	0	0	0	0	0	0	0	0
Total costs	-1,630	-1,630	-1,630	-1,630	-1,630	-1,752	-1,503	-1,753
Net benefit ($)	-4,474	-4,358	-4,590	-4,474	-4,474	-4,662	-4,281	-4,597
Benefit-cost ratio	-1.74	-1.67	-1.82	-1.74	-1.74	-1.66	-1.85	-1.62

Source: SNAP employment and training evaluation UI wage records, weighted data; SNAP administrative data; SNAP employment and training evaluation actual reported costs by ECCS/BCCS grantee, partners, and providers, 2015-2019; SNAP employment and training evaluation administrative service use data; WIA Gold Standard Evaluation cost estimates, 2012; and SNAP employment and training evaluation 12- and 36-month surveys, weighted data.

Notes: Earnings, SNAP benefits, and TANF benefits are the impact estimates presented in Chapter VII. The net benefit is the difference between total benefits and total costs. A negative net benefit is a net cost. The benefit-cost ratio is the quotient of the total benefits and total costs. A benefit-cost ratio greater than one represents greater benefits than costs, and a number less than one suggests fewer benefits than costs. All benefits and costs are presented in 2016 dollars.

***/**/* Difference between BCCS group and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

The standard error of the cost per BCCS group member is $94 and of the cost per control group member is $307.

Appendix H

COVID-19 analysis

Supplementary tables and key findings relative to when the COVID-19 pandemic began

This section describes how the characteristics of individuals in EDGE, the differences in service receipt between the EDGE and control groups, and the impacts of EDGE on outcomes varied relative to when the COVID-19 pandemic began. We defined the beginning of the COVID-19 pandemic as March 27, 2020, the date of the nationwide enactment of the CARES Act. For about 52 percent of individuals who were randomly assigned, the COVID-19 pandemic took place during their third year after random assignment. Therefore, these analyses provide descriptive context around the factors that might affect the Year 3 outcomes presented in Chapters VI and VII. We consider individuals who were randomly assigned at least three years before the onset of COVID as being in the "before COVID-19 began" group and those who were randomly assigned within three years of the pandemic as being in the "after COVID-19 began" group.

Analyses relative to the beginning of the COVID-19 pandemic showed the following:

- There were few differences in the characteristics of EDGE group members whose 36-month survey interview took place before and after the COVID-19 pandemic began (Appendix Table H.1). Those who were interviewed after the COVID-19 pandemic began were less likely than those interviewed before it began to be married or cohabiting (among both ECCS and BCCS group members). They were also less likely to have a certificate, and to live in a metropolitan area. Those interviewed before and after the COVID-19 pandemic began were generally similar on other characteristics. This suggests that differences observed in Year 3 outcomes before and after the COVID-19 pandemic began likely did not reflect differences in individual characteristics measured in the baseline registration form.
- There is some evidence that trends in monthly rates of participation in education or training activities changed after the COVID-19 pandemic began (Appendix Table H.2). In early 2020, ECCS and BCCS group members were between 3 and 8 percentage points less likely to participate in education and training activities, compared to control group members. After May 2020, these differences across research groups grew to over 20 percentage points; these differences across research groups were statistically significant in most months. (Because these are participation rates defined in calendar months and not time relative to random assignment, these monthly trends do not measure effects of EDGE on activity participation.)
- Among individuals whose 36-month survey interview took place before the COVID-19 pandemic began, ECCS group members were more likely than control group members to earn between $500 and $999 per week; there was no corresponding difference between ECCS and control group members among individuals interviewed after the COVID-19 pandemic began (Appendix Table H.3). Other impacts on job characteristics were generally similar for individuals interviewed before and after the COVID-19 pandemic began.
- There were few differences in the impacts of EDGE on earnings and employment in the years and quarters following random assignment based on whether individuals' Year 3 was before or after the COVID-19 pandemic began (Appendix Table H.4).
- Impacts on food security and well-being were generally similar for individuals whose 36-month survey interview took place before the COVID-19 pandemic began compared to those interviewed later (Appendix Table H.5). BCCS group members interviewed before the COVID-19 pandemic began were less likely than control group members to have very low food security and there was no impact among individuals interviewed after the pandemic began. Among individuals interviewed after the COVID-19 pandemic began, ECCS group members were more

likely than control group members to live with parents, relatives, or a friend; this difference was not significant among individuals interviewed before COVID-19 began.

- Trends based on survey and UI data show no clear change in the difference between the ECCS, BCCS, and control groups in monthly employment and earnings around the time of the COVID-19 pandemic (Appendix Tables H.6 and H.7). The difference in employment rates between the ECCS and control groups became larger shortly after the pandemic began (the ECCS group became less likely than the control group to be employed), but this was only a temporary change.
- Trends in monthly SNAP participation were generally similar around the time the COVID-19 pandemic began (Appendix Table H.8). BCCS group members had lower SNAP participation rates than control group members through most of 2019 and early 2020. Beginning in July 2020, this difference became slightly more negative.

Table H.1. Characteristics of EDGE group members interviewed before and after the COVID-19 pandemic began

	Among ECCS group members			Among BCCS group members		
	Before COVID-19 began	After COVID-19 began	Difference	Before COVID-19 began	After COVID-19 began	Difference
Average age (years)	31.8	31.9	0.1 (1.2)	31.8	31.8	0.0 (1.2)
Age (%)						
18 to 49	100.0	100.0	0.0 (-)	100.0	100.0	0.0 (-)
18 to 24	27.0	32.8	5.9 (6.3)	25.1	29.9	4.8 (6.3)
25 to 49	73.0	67.2	-5.9 (6.3)	74.9	70.1	-4.8 (6.3)
50 to 59	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
60 and older	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Gender (%)						
Male	43.6	48.7	5.2 (7.0)	55.5	52.6	-2.9 (6.8)
Female	56.4	51.3	-5.2 (7.0)	44.5	47.4	2.9 (6.8)
Other	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Race and ethnicity (%)						†††
Hispanic	1.7	0.5	-1.2 (1.3)	0.0	0.0	0.0 (-)
Asian	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
Black, non-Hispanic	68.4	71.6	3.3 (6.4)	69.5	73.6	4.1 (6.3)
Native Hawaiian/Pacific Islander/Native American	0.0	0.0	0.0 (-)	0.0	0.0	0.0 (-)
White, non-Hispanic	29.2	27.0	-2.2 (6.3)	30.5	25.1	-5.4 (6.3)
Other; more than one race	0.7	0.9	0.2 (1.2)	0.0	1.3	1.3 (-)
Speak English as primary language (%)	100.0	100.0	0.0 (-)	100.0	100.0	0.0 (-)
Education[a] (%)			†††			†††
No high school diploma or equivalent	25.6	26.7	1.1 (6.1)	31.0	29.1	-1.9 (6.8)
High school diploma or equivalent	64.2	63.7	-0.4 (6.6)	54.8	60.4	5.5 (7.0)
Degree	7.0	7.9	1.0 (3.5)	4.8	8.3	3.5 (3.1)
Certificate	3.3	0.6	-2.7 (1.8)	9.4	1.9	-7.6^^^ (2.7)
Other	0.0	1.0	1.0 (-)	0.0	0.4	0.4 (-)
Employment status (%)						
Employed at random assignment	8.7	4.8	-3.8 (3.4)	5.2	2.3	-2.8 (2.2)
Employed part time	7.8	3.8	-4.0 (3.1)	5.2	2.3	-2.8 (2.2)
Employed full time	0.9	1.1	0.2 (1.4)	0.0	0.0	0.0 (-)
Not employed at random assignment but worked in past	80.4	80.4	0.1 (5.4)	86.6	86.5	-0.1 (5.0)
Short-term unemployed[b]	55.1	57.3	2.2 (6.8)	58.4	58.5	0.2 (6.9)
Long-term unemployed[c]	25.3	23.1	-2.2 (5.7)	28.2	28.0	-0.2 (6.3)
Not employed at random assignment and never worked in past	10.9	14.7	3.8 (4.5)	8.2	11.1	2.9 (4.6)
Employment experience in the two years before random assignment[d] (%)						
Consistently employed	22.8	16.5	-6.3 (5.4)	18.9	27.0	8.0 (5.8)
Sometimes employed	35.3	45.3	10.0 (6.8)	45.6	35.3	-10.3 (6.8)

Table H.1 Characteristics of EDGE group members who were interviewed before and after the COVID-19 pandemic began, among those enrolled through December 2017 *(continued)*

	Among ECCS group members			Among BCCS group members		
	Before COVID-19 began	After COVID-19 began	Difference	Before COVID-19 began	After COVID-19 began	Difference
Never employed	41.8	38.2	-3.7 (6.6)	35.4	37.7	2.3 (6.8)
Household size (number)	2.2	2.0	-0.1 (0.2)	2.0	2.3	0.3^^ (0.1)
Presence of children (%)						
In households with children	1.8	1.1	-0.6 (1.3)	5.0	2.0	-3.0 (2.1)
In households without children	98.2	98.9	0.6 (1.3)	95.0	98.0	3.0 (2.1)
Married or cohabiting (%)	54.9	4.6	-50.3^^^ (5.1)	51.2	5.8	-45.3^^^ (5.1)
Barriers to employment (%)						
Fewest barriers (employed in past 12 months and high school diploma or equivalent)	50.9	45.7	-5.2 (6.9)	49.7	50.8	1.0 (7.0)
Moderate barriers (not employed in past 12 months or no high school diploma or equivalent)	39.9	45.4	5.5 (6.8)	34.4	32.5	-1.9 (6.7)
Most barriers (not employed in past 12 months and no high school diploma or equivalent)	9.2	9.0	-0.2 (3.9)	15.9	16.7	0.8 (5.6)
ABAWD status (%)						
ABAWD	96.9	97.6	0.6 (1.9)	95.0	97.2	2.2 (2.2)
Non-ABAWD	3.1	2.4	-0.6 (1.9)	5.0	2.8	-2.2 (2.2)
Urbanicity[e] (%)			†††			
Metropolitan	42.0	20.4	-21.6^^^ (5.8)	37.4	25.6	-11.8^ (6.2)
Micropolitan	42.5	58.5	16.0^^ (6.7)	44.9	53.1	8.2 (6.9)
Rural	15.5	21.2	5.6 (5.2)	17.7	21.3	3.6 (5.4)
SNAP participation in the year before random assignment (%)			†			††
0 months	10.7	18.9	8.2^ (4.8)	5.8	12.0	6.2^ (3.6)
1 to 3 months	24.7	34.6	9.9 (6.2)	23.0	37.9	14.8^^ (6.3)
4 to 6 months	15.6	13.1	-2.4 (4.9)	17.3	9.8	-7.5^ (4.4)
7 to 9 months	15.1	5.6	-9.5^^ (4.4)	17.8	14.1	-3.8 (5.6)
10 to 12 months	34.0	27.8	-6.2 (6.3)	36.0	26.2	-9.8 (6.4)
Sample size	**144**	**124**		**139**	**142**	

Source: SNAP employment and training baseline information registration form (March 2016 to December 2017 data); SNAP employment and training evaluation UI wage records, weighted data; SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: The table shows baseline characteristics for EDGE group members who enrolled through December 2017 and completed the 36-month interview before the beginning of the COVID-19 pandemic (estimated as March 27, 2020) and those who completed the 36-month interview on or after March 27, 2020. Individuals enrolled in the pilot include all EDGE group members who completed a baseline enrollment registration and did not subsequently revoke their consent to participate in the evaluation of the pilot. Standard errors in parentheses.

Table H.1 Characteristics of EDGE group members who were interviewed before and after the COVID-19 pandemic began, among those enrolled through December 2017 *(continued)*

[a] "High school diploma or equivalent" includes survey response options "GED or other high school equivalency", "high school diploma", and "some college, but no degree". "Degree" includes survey response options "Associates degree", "Bachelor's degree or equivalent", "Master's degree or higher". "Certificate" includes survey response options "Adult Basic Education certificate", "Vocational/technical degree or certificate", and "business degree or certificate".

[b] "Short-term unemployed" is defined as being unemployed for one year or less at the time of the baseline interview.

[c] "Long-term unemployed" is defined as being unemployed for more than a year at the time of the baseline interview.

[d] Employment experience is defined using UI wage record data for the two years prior to random assignment. "Consistently employed" includes individuals who were employed for at least 7 out of 8 quarters preceding random assignment. "Sometimes employed" includes individuals who were employed for 2-6 quarters preceding random assignment. "Never employed" includes individuals who were employed for at most 1 quarter preceding random assignment.

[e] Metropolitan areas are urbanized areas of 50,000 people or more or areas in which most or many commuters in the area commuted to an urbanized area. Micropolitan areas: Large urban clusters of 10,000 to 49,999 or areas in which most commuters in the area commuted to a large urban cluster. Rural areas: Small urban clusters of 2,500 to 9,999 people or areas in which most commuters in the area commuted to a small urban cluster. Includes areas outside of urbanized areas and urban clusters.

^^^/^^/^ Significantly different from EDGE group members who were interviewed before the COVID-19 pandemic began at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Difference in distribution of characteristics across subgroups significantly different at the 0.01/0.05/0.10 level, two-tailed test.

ABAWD = Able bodied adult without dependents

Table H.2. Trends in calendar month participation in education or training activities

Participation in education or training activities (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
2016					
May	42.6	13.1	29.0	13.6 (15.3)	-13.7** (6.3)
June	30.7	21.9	12.2	18.5* (10.6)	14.4 (10.0)
July	33.8	20.7	7.2	26.5*** (6.5)	15.2* (7.7)
August	28.2	21.8	10.8	17.4** (7.0)	12.2* (7.1)
September	28.3	24.1	15.2	13.0* (6.6)	12.5* (7.1)
October	26.7	33.9	13.2	13.5** (6.6)	23.7*** (7.0)
November	26.8	36.0	12.3	14.5** (6.5)	25.3*** (6.8)
December	24.5	28.8	9.7	14.9*** (5.4)	20.9*** (6.0)
2017					
January	28.9	22.3	10.0	18.9*** (5.4)	13.6*** (5.2)
February	30.5	24.6	9.9	20.5*** (5.1)	16.4*** (4.9)
March	27.2	22.4	12.5	14.7*** (5.1)	10.5** (5.0)
April	29.0	23.7	10.5	18.5*** (4.8)	13.3*** (4.8)
May	25.6	21.3	10.7	14.9*** (4.4)	10.3** (4.6)
June	23.9	17.0	9.0	15.0*** (4.1)	7.6* (4.1)
July	21.0	17.8	7.2	13.8*** (3.7)	10.2*** (3.5)
August	24.5	28.2	8.3	16.3*** (3.6)	19.8*** (3.7)
September	24.9	27.8	10.4	14.5*** (3.8)	17.5*** (3.9)
October	23.4	25.6	9.7	13.7*** (3.5)	16.1*** (3.4)
November	23.2	23.9	7.8	15.4*** (3.3)	16.0*** (3.1)
December	22.4	19.8	6.6	15.7*** (3.1)	13.1*** (2.9)
2018					
January	20.4	20.8	10.4	9.9*** (3.3)	10.3*** (3.4)
February	22.6	20.8	10.1	12.6*** (3.3)	10.7*** (3.3)
March	25.6	20.0	8.4	17.2*** (3.4)	11.7*** (3.2)
April	21.3	19.5	8.8	12.4*** (3.4)	10.8*** (3.3)
May	19.8	17.8	8.9	10.9*** (3.4)	9.1*** (3.2)
June	14.9	17.9	8.9	6.0* (3.2)	9.1*** (3.2)

Table H.2. Trends in calendar month participation in education or training activities *(continued)*

Participation in education or training activities (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
July	13.8	16.7	7.8	6.0** (2.9)	9.1*** (3.0)
August	14.1	17.9	9.1	4.9 (3.1)	9.0*** (3.2)
September	12.8	16.9	9.2	3.6 (3.0)	7.9** (3.1)
October	13.4	16.7	9.8	3.7 (3.1)	7.2** (3.2)
November	13.1	17.1	10.2	2.9 (3.1)	7.0** (3.2)
December	11.9	16.8	9.7	2.3 (3.0)	7.3** (3.2)
2019					
January	9.7	11.9	8.1	1.6 (2.7)	4.0 (2.8)
February	7.9	8.6	8.2	-0.3 (2.6)	0.6 (2.7)
March	7.9	8.1	8.9	-1.0 (2.7)	-0.6 (2.7)
April	7.6	7.7	8.8	-1.2 (2.7)	-0.9 (2.7)
May	6.9	6.9	8.5	-1.7 (2.8)	-1.4 (2.8)
June	5.7	7.8	9.1	-3.3 (2.8)	-1.0 (3.0)
July	5.1	8.0	8.0	-2.9 (2.6)	0.4 (2.9)
August	9.8	11.4	10.8	-1.1 (3.6)	1.2 (3.6)
September	7.7	8.7	8.3	-0.5 (3.0)	0.9 (3.3)
October	7.8	10.0	9.4	-1.7 (3.2)	1.0 (3.5)
November	5.9	9.1	9.0	-3.1 (3.1)	0.6 (3.6)
December	5.8	7.8	10.4	-4.7 (3.4)	-1.9 (3.8)
2020					
January	4.1	7.5	11.0	-6.9** (3.4)	-2.6 (3.9)
February	5.3	7.1	11.4	-6.1 (3.8)	-3.2 (4.0)
March	6.4	7.7	9.9	-3.5 (3.6)	-1.1 (3.9)
April	7.4	9.4	5.9	1.5 (3.1)	4.3 (3.4)
May	6.6	6.9	5.7	0.9 (3.0)	1.7 (2.6)
June	2.4	8.6	8.2	-5.8* (3.4)	0.0 (3.4)
July	1.0	3.5	8.9	-7.9** (3.6)	-5.0 (3.5)
August	0.2	0.0	20.4	-20.2*** (5.4)	-16.3*** (5.8)
September	2.2	0.0	27.4	-25.2*** (6.5)	-23.1*** (7.4)
October	0.0	0.0	31.1	-31.1*** (7.3)	-27.6*** (7.8)

Table H.2. Trends in calendar month participation in education or training activities *(continued)*

Participation in education or training activities (%)	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
November	7.0	0.0	36.8	-29.9*** (10.3)	-40.3*** (11.5)
Sample size	**268**	**281**			

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table H.3. Characteristics of current jobs, among all individuals with 36-month survey data who were interviewed before and after the COVID-19 pandemic began

	Before COVID-19 began					After COVID-19 began				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Hours worked per week (%)										
0	50.8	65.0	50.2	0.6 (6.5)	14.2** (6.3)	57.1	57.7	53.7	3.3 (6.9)	4.3 (6.5)
1 to 20	8.4	5.9	5.0	3.4 (3.1)	0.9 (3.0)	0.9	6.7	2.7	-1.9 (2.2)	3.0 (2.8)
21 to 34	7.4	7.9	14.7	-7.3 (4.6)	-7.0 (4.6)	11.5	8.3	7.6	3.9† (4.2)	-0.1 (4.0)
35 or more (employed full time)	33.4	21.1	30.0	3.4 (6.2)	-8.1 (5.8)	30.5	27.4	35.9	-5.3 (6.4)	-7.2 (5.9)
Average	18.7	12.1	18.7	0.0 (2.8)	-6.2** (2.6)	17.5	14.8	18.0	-0.5 (2.8)	-3.2 (2.5)
Weekly earnings (%)										
$0	60.4	70.5	59.1	1.3 (7.0)	10.7* (6.2)	65.2	65.5	61.7	3.5 (7.4)	3.7 (6.9)
$1 to $499	19.3	21.4	32.7	-13.4** (6.5)	-10.7* (5.9)	19.6	22.8	25.6	-6.0 (6.5)	-2.1 (6.3)
$500 to $999	18.3	6.1	5.8	12.5*** (4.3)	0.6 (3.0)	13.0	11.4	12.7	0.4† (4.7)	-1.9 (4.5)
$1,000 to $1,499	1.4	2.1	1.3	0.1 (1.1)	0.8 (1.1)	1.4	0.4	0.0	1.4 (1.2)	0.4 (0.5)
$1,500 to $2,000	0.6	0.0	0.5	0.1 (0.8)	-0.7 (0.6)	0.1	0.0	0.0	0.1 (0.1)	0.0 (0.1)
$2,000 and above	0.0	0.0	0.6	-0.6 (0.6)	-0.6 (0.6)	0.6	0.0	0.0	0.6 (0.6)	0.0 (0.1)
Benefits available at job (%)										
Any benefit	36.7	27.1	37.1	-0.5 (6.6)	-9.5 (5.8)	35.3	23.1	36.8	-1.5 (6.7)	-12.7** (5.9)
Health insurance or HMO/PPO plan	32.0	19.0	33.4	-1.5 (6.4)	-13.7*** (5.3)	31.9	18.5	32.9	-1.0 (6.5)	-14.0** (5.5)
Dental insurance	27.6	16.2	31.7	-4.1 (6.3)	-15.0*** (5.2)	28.6	16.0	31.7	-3.0 (6.4)	-15.4*** (5.4)
Paid vacation	27.2	21.4	28.1	-0.9 (6.4)	-6.5 (5.5)	28.9	18.2	30.0	-1.1 (6.5)	-10.7* (5.9)
Paid holidays	31.2	22.4	25.6	5.6 (6.3)	-2.4 (5.8)	24.6	19.5	30.8	-6.2 (6.3)	-10.6* (5.7)
Paid sick leave	23.3	18.7	19.7	3.6 (5.7)	-0.5 (4.9)	17.7	15.2	25.7	-8.0 (6.0)	-9.8* (5.4)
Any paid time off	34.8	25.8	30.4	4.4 (6.6)	-4.1 (5.9)	30.2	22.9	33.9	-3.7 (6.6)	-10.0* (6.0)

Table H.3. Characteristics of current jobs, among all individuals with 36-month survey data who were interviewed before and after the COVID-19 pandemic *(continued)*

Outcome	Before COVID-19 began					After COVID-19 began				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Pension or retirement benefits	27.6	18.9	29.3	-1.8 (6.3)	-9.2* (5.5)	24.2	16.5	32.0	-7.8 (6.2)	-14.6*** (5.5)
Tuition assistance or reimbursement	16.7	6.8	13.3	3.4 (4.9)	-6.4* (3.7)	15.9	5.7	9.1	6.7 (4.5)	-3.1 (3.6)
Type of employment (%)										
Not employed	50.7	64.8	49.9	0.8 (6.4)	14.3** (6.3)	56.4	57.2	54.7	1.7 (6.9)	3.0 (6.6)
Regular full or part time	39.0	27.5	41.1	-2.1 (6.2)	-13.4** (6.0)	36.2	34.2	39.0	-2.8 (6.9)	-4.0 (6.4)
Temporary or on call	4.8	2.6	1.2	3.6* (2.0)	1.5 (1.6)	2.2	1.9	1.7	0.5 (1.9)	0.1 (1.6)
Self-employed or independent contractor or consultant	4.1	3.5	4.2	-0.1 (2.0)	-0.7 (2.0)	2.2	0.9	1.6	0.6 (1.6)	-0.9 (0.9)
Day laborer	1.4	1.6	3.6	-2.2 (1.9)	-1.7 (1.7)	3.0	5.9	2.9	0.0 (2.2)	1.8 (2.2)
Occupation (%)										
Production	5.4	4.7	3.2	2.2 (2.5)	1.6 (2.3)	7.2	3.1	1.9	5.3** (2.5)	0.9 (2.1)
Transportation and material moving	8.0	4.4	1.9	6.1*** (2.2)	2.5 (1.7)	6.9	4.9	12.3	-5.4†† (4.1)	-7.0**†† (3.5)
Sales	2.8	4.7	4.2	-1.5 (1.7)	0.6 (2.4)	3.6	4.2	3.7	0.0 (2.5)	0.9 (2.6)
Food preparation and serving	3.7	3.9	5.9	-2.3 (2.7)	-2.2 (2.5)	2.9	3.6	4.6	-1.7 (2.5)	-1.0 (2.5)
Office and administrative support	2.5	0.8	3.4	-0.9 (2.2)	-3.0* (1.7)	5.2	1.7	0.9	4.3**† (1.9)	0.8† (1.5)
Building and grounds cleaning and maintenance	2.9	1.1	5.5	-2.6 (2.6)	-4.1 (2.5)	0.1	3.6	2.1	-2.0 (1.6)	1.6 (2.7)
Construction and extraction	4.1	1.6	0.6	3.5* (2.0)	1.1 (1.4)	5.4	1.9	3.9	1.5 (2.7)	-1.4 (2.1)
Personal care and service	0.3	1.7	4.1	-3.8** (1.5)	-2.4 (1.9)	0.4	3.1	3.8	-3.4 (2.2)	-0.6 (2.8)
Healthcare support	8.6	0.9	1.9	6.7** (2.7)	-0.4 (1.3)	2.5	0.5	1.6	0.9† (1.6)	-1.4 (0.9)
Management	0.9	2.7	4.3	-3.3 (2.6)	-1.4 (3.0)	0.2	2.4	0.0	0.2 (0.3)	2.4* (1.3)

Table H.3. Characteristics of current jobs, among all individuals with 36-month survey data who were interviewed before and after the COVID-19 pandemic *(continued)*

Outcome	Before COVID-19 began					After COVID-19 began				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Sample size	**144**	**139**	**130**			**124**	**142**	**126**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Significantly different from before the COVID-19 pandemic began at the 0.01/0.05/0.10 level, two-tailed test.

Table H.4. Impacts on quarterly and annual employment rates and total earnings for individuals whose 12th quarter after random assignment was before or after the COVID-19 pandemic began, based on UI wage records

	Before COVID-19 began					After COVID-19 began				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Employment rate (%)										
Year 1	62.9	66.4	63.5	-0.6 (3.2)	2.9 (3.2)	60.3	62.3	59.7	0.6 (3.5)	2.5 (3.4)
Quarter 1	37.3	41.2	42.9	-5.6* (3.3)	-1.6 (3.3)	42.0	39.2	38.5	3.5† (3.5)	0.7 (3.5)
Quarter 2	43.5	46.2	45.4	-1.9 (3.4)	0.8 (3.4)	43.1	40.0	40.8	2.3 (3.5)	-0.8 (3.5)
Quarter 3	47.2	46.1	42.6	4.6 (3.4)	3.5 (3.4)	44.2	44.2	39.9	4.3 (3.5)	4.3 (3.5)
Quarter 4	42.6	44.9	44.4	-1.8 (3.4)	0.6 (3.4)	44.7	47.3	42.2	2.5 (3.6)	5.1 (3.6)
Year 2	59.6	62.1	60.0	-0.4 (3.3)	2.2 (3.2)	61.4	63.8	56.0	5.4 (3.5)	7.8** (3.5)
Quarter 5	43.0	48.8	43.6	-0.6 (3.3)	5.3 (3.3)	48.3	45.6	41.4	6.9* (3.6)	4.2 (3.6)
Quarter 6	43.6	46.3	43.9	-0.3 (3.3)	2.4 (3.3)	47.9	44.5	40.5	7.4** (3.5)	4.0 (3.6)
Quarter 7	41.8	44.8	44.6	-2.9 (3.3)	0.2 (3.3)	47.0	46.2	42.0	5.0 (3.6)	4.2 (3.6)
Quarter 8	46.0	45.8	41.1	5.0 (3.4)	4.7 (3.4)	46.9	47.8	40.3	6.6* (3.6)	7.5** (3.6)
Year 3	57.3	56.0	55.1	2.2 (3.4)	0.9 (3.4)	61.3	59.6	55.1	6.3 (4.1)	4.6 (4.1)
Quarter 9	41.6	44.5	41.8	-0.2 (3.4)	2.7 (3.4)	46.6	44.7	41.1	5.5 (3.6)	3.5 (3.6)
Quarter 10	45.4	43.0	43.9	1.5 (3.4)	-0.8 (3.4)	44.0	41.1	39.3	4.6 (3.6)	1.7 (3.6)
Quarter 11	43.9	42.1	42.3	1.6 (3.4)	-0.2 (3.3)	40.9	42.4	37.6	3.4 (3.6)	4.8 (3.6)
Quarter 12	42.9	45.3	41.6	1.3 (3.5)	3.7 (3.4)	42.5	41.1	37.6	4.9 (4.1)	3.5 (4.1)
Total earnings ($)										
Year 1	4,930	4,853	4,659	272 (458)	198 (449)	5,080	4,775	4,316	764 (477)	457 (453)
Quarter 1	819	869	955	-136 (113)	-85 (104)	907	810	806	102 (111)	4 (107)
Quarter 2	1,158	1,142	1,196	-38 (135)	-53 (127)	1,305	1,061	1,126	179 (144)	-65 (134)
Quarter 3	1,427	1,414	1,180	247* (148)	234 (145)	1,357	1,322	1,110	247* (149)	212 (147)
Quarter 4	1,527	1,428	1,328	199 (157)	103 (151)	1,511	1,581	1,274	237 (164)	306* (163)
Year 2	6,850	6,493	5,909	941 (631)	596 (588)	6,883	6,551	5,422	1,461** (628)	1,123* (611)

Table H.4. Impacts on quarterly and annual employment rates and total earnings for individuals whose 12th quarter after random assignment was before or after the COVID-19 pandemic began, based on UI wage records *(continued)*

	Before COVID-19 began					After COVID-19 began				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Quarter 5	1,633	1,615	1,346	287* (166)	273* (158)	1,721	1,549	1,318	403** (170)	229 (169)
Quarter 6	1,679	1,532	1,457	222 (173)	78 (161)	1,730	1,584	1,309	421** (173)	273 (172)
Quarter 7	1,710	1,636	1,615	95 (183)	24 (172)	1,677	1,693	1,356	320* (177)	335* (175)
Quarter 8	1,828	1,710	1,491	337* (185)	221 (174)	1,755	1,725	1,438	317* (190)	287 (187)
Year 3	7,698	7,118	6,506	1,192* (714)	611 (677)	6,794	6,646	5,644	1,150 (757)	995 (764)
Quarter 9	1,834	1,739	1,450	383** (186)	288 (177)	1,775	1,710	1,504	270 (193)	207 (190)
Quarter 10	1,962	1,747	1,615	347* (197)	131 (184)	1,705	1,590	1,384	321* (185)	204 (188)
Quarter 11	2,044	1,897	1,731	313 (201)	165 (194)	1,648	1,622	1,388	260 (193)	234 (194)
Quarter 12	1,859	1,787	1,710	148 (197)	78 (191)	1,544	1,426	1,370	174 (215)	54 (212)
Sample size	**391**	**387**	**392**			**346**	**349**	**343**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Individuals were included in the before-COVID-19-began group if their 12th quarter after random assignment was January 2020 to March 2020 or earlier. Individuals were included in the after-COVID-19-began group if their 12th quarter after random assignment was April 2020 to June 2020 or later. Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Significantly different from before the COVID-19 pandemic began at the 0.01/0.05/0.10 level, two-tailed test.

Table H.5. Impacts on food security, health, well-being, and housing status for individuals interviewed before and after the COVID-19 pandemic began, based on 36-month survey data

	Before COVID-19 began					After COVID-19 began				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Food security[a] (%)										
Living in a household that is food insecure	57.9	50.8	60.4	-2.6 (6.0)	-7.1 (6.1)	50.5	44.9	52.0	-1.5 (7.1)	-5.6 (6.9)
Living in a household with very low food security	40.6	27.9	49.1	-8.4 (6.1)	-18.4*** (5.9)	33.1	31.5	32.6	0.5 (6.5)	-2.1† (6.4)
Health and well-being										
Reported “very good” or “excellent” health status (versus “fair” or “poor”) (%)	29.4	37.0	32.0	-2.6 (5.8)	3.0 (6.0)	34.0	29.2	29.3	4.7 (6.5)	1.2 (6.6)
Screened positively for depression[b] (%)	27.4	34.6	32.9	-5.6 (5.8)	2.7 (6.1)	25.1	27.1	30.4	-5.3 (5.7)	-2.2 (5.6)
Average self-esteem score (out of 5)	4.2	3.5	3.9	0.2 (0.1)	-0.4** (0.2)	3.6	3.6	3.5	0.1 (0.2)	0.2†† (0.2)
Average self-efficacy score (out of 5)	3.5	3.4	3.4	0.1 (0.1)	0.0 (0.1)	3.5	3.6	3.5	0.0 (0.1)	0.1 (0.1)
Housing status (%)										
Owns or rents a home or an apartment	41.3	55.0	54.9	-13.6** (6.2)	-0.7 (6.2)	46.4	49.6	55.0	-8.6 (6.8)	-5.1 (6.6)
Lives with parents, relative, or friend	34.8	32.8	35.5	-0.6 (6.1)	-2.2 (6.1)	48.6	38.3	33.8	14.9**† (6.5)	4.3 (6.5)
Shares housing with roommates, friends, or partner	13.6	6.9	5.2	8.4** (3.3)	1.9 (3.0)	4.0	7.3	5.6	-1.6†† (2.5)	2.4 (3.2)
Group quarters	1.6	0.1	0.5	1.1 (1.1)	-0.4 (0.5)	0.0	0.0	0.0	0.0 (0.2)	0.0 (0.1)
Homeless	3.0	5.1	3.5	-0.5 (2.2)	1.8 (2.6)	0.9	3.7	4.4	-3.5* (1.8)	-1.1 (2.3)
Incarcerated	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Other, don’t know, or refused	0.8	0.1	0.5	0.3 (0.8)	-0.4 (0.4)	0.0	0.0	0.0	0.0 (0.1)	0.0 (0.1)
Had housing at the time of the 36-month interview	97.0	94.8	96.5	0.4 (2.2)	-1.8 (2.6)	99.1	96.3	95.6	3.5* (1.8)	1.1 (2.3)
Sample size	**144**	**139**	**130**			**124**	**142**	**126**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

[a] Food security measured over the 30 days prior to the 36-month interview.

[b] Depression measured two weeks prior to the 36-month interview.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Significantly different from before the COVID-19 pandemic began at the 0.01/0.05/0.10 level, two-tailed test.

Table H.6. Trends in calendar month employment rate and earnings, based on 36-month survey data

	Employment rate (%)					Earnings ($)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
2016										
May	1.3	26.6	18.8	-17.4 (12.0)	7.1 (18.8)	37	420	230	-192 (194)	181 (313)
June	4.4	31.2	20.4	-16.0** (7.6)	6.6 (12.5)	48	406	279	-231** (105)	67 (167)
July	11.4	18.1	22.8	-11.4 (8.2)	-6.6 (8.7)	200	380	324	-124 (123)	28 (154)
August	13.6	17.7	29.5	-15.9** (7.5)	-13.5* (7.8)	211	260	403	-192* (108)	-174 (115)
September	17.7	22.5	35.9	-18.2** (8.0)	-15.5* (8.3)	241	348	556	-315** (143)	-264* (139)
October	25.4	18.6	41.6	-16.2* (8.5)	-23.4*** (8.2)	320	302	614	-294** (145)	-345** (138)
November	33.1	22.8	36.8	-3.7 (8.8)	-15.4** (7.4)	465	359	518	-53 (144)	-187 (121)
December	30.1	18.5	35.6	-5.4 (7.8)	-16.4** (7.0)	410	295	501	-91 (131)	-203* (122)
2017										
January	32.3	25.7	35.0	-2.7 (7.2)	-8.8 (6.5)	386	366	468	-82 (108)	-107 (107)
February	33.6	28.7	35.6	-2.1 (6.6)	-6.1 (6.3)	498	423	445	53 (107)	-22 (100)
March	42.3	30.5	39.5	2.9 (6.2)	-7.5 (6.3)	616	457	543	72 (103)	-74 (104)
April	45.4	30.5	40.2	5.2 (5.7)	-8.5 (5.7)	697	456	553	144 (122)	-88 (99)
May	42.4	34.0	39.9	2.5 (5.4)	-5.5 (5.5)	670	468	614	56 (121)	-146 (102)
June	44.5	32.7	42.6	1.9 (5.5)	-8.8 (5.7)	709	476	679	30 (128)	-183 (117)
July	42.5	36.4	43.1	-0.6 (5.3)	-6.0 (5.4)	655	573	703	-49 (116)	-112 (126)
August	44.9	34.9	48.3	-3.4 (4.8)	-12.3** (4.9)	666	547	817	-152 (119)	-248** (124)
September	39.8	33.4	45.3	-5.4 (4.6)	-11.3** (4.5)	681	551	675	5 (102)	-122 (98)
October	45.5	37.9	43.3	2.2 (4.5)	-4.6 (4.6)	799	620	672	126 (112)	-47 (103)
November	45.5	41.0	44.6	0.9 (4.4)	-3.1 (4.6)	812	662	709	102 (109)	-44 (104)
December	44.8	42.1	49.4	-4.5 (4.6)	-6.9 (4.6)	798	704	869	-71 (124)	-170 (121)
2018										
January	43.5	39.6	46.5	-3.0 (4.5)	-6.5 (4.6)	816	675	880	-64 (153)	-202 (153)
February	46.5	43.1	49.4	-3.0 (4.5)	-6.0 (4.4)	852	789	804	48 (120)	-16 (120)
March	47.5	45.6	49.9	-2.4 (4.5)	-3.9 (4.5)	798	856	779	19 (113)	76 (122)
April	45.9	48.0	52.3	-6.4 (4.4)	-3.9 (4.4)	792	965	850	-58 (114)	118 (133)

Table H.6. Trends in calendar month employment rate and earnings, based on 36-month survey data *(continued)*

	Employment rate (%)					Earnings ($)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
May	49.9	50.2	53.1	-3.2 (4.5)	-2.6 (4.4)	921	860	856	65 (134)	8 (117)
June	51.2	49.5	48.3	2.9 (4.7)	1.6 (4.6)	947	844	807	140 (132)	47 (114)
July	54.4	49.0	49.9	4.5 (4.6)	-0.5 (4.7)	1,014	823	896	118 (150)	-62 (131)
August	56.6	49.9	50.9	5.7 (4.6)	-0.8 (4.7)	1,138	901	921	217 (146)	-9 (128)
September	55.8	50.6	52.5	3.3 (4.6)	-1.2 (4.7)	1,052	978	932	120 (128)	65 (137)
October	54.6	51.1	53.7	0.9 (4.6)	-1.9 (4.7)	1,056	982	962	94 (130)	39 (136)
November	55.4	52.3	55.5	-0.1 (4.7)	-2.4 (4.7)	1,031	987	984	47 (124)	23 (135)
December	55.2	49.4	53.1	2.2 (4.6)	-2.9 (4.6)	1,033	842	937	96 (123)	-76 (127)
2019										
January	55.6	49.2	51.9	3.7 (4.6)	-1.8 (4.5)	992	865	978	13 (130)	-90 (137)
February	55.3	47.8	52.6	2.6 (4.7)	-4.2 (4.7)	1,074	866	938	136 (125)	-53 (124)
March	56.2	49.6	57.7	-1.5 (4.6)	-7.5 (4.7)	1,054	893	1,035	19 (124)	-123 (128)
April	55.8	49.1	58.2	-2.4 (4.7)	-8.5* (4.8)	1,066	924	1,067	-1 (128)	-121 (133)
May	57.1	50.2	58.4	-1.3 (4.8)	-7.2 (4.9)	1,141	919	1,082	59 (136)	-136 (136)
June	59.1	51.1	58.5	0.6 (4.8)	-6.5 (5.0)	1,152	1,009	1,052	100 (137)	-9 (155)
July	57.1	50.2	58.0	-0.8 (5.1)	-7.1 (5.1)	1,168	988	1,086	82 (147)	-65 (154)
August	62.3	50.8	58.0	4.3 (5.2)	-6.3 (5.2)	1,398	998	1,215	183 (195)	-182 (161)
September	57.2	52.5	58.8	-1.6 (5.2)	-6.2 (5.2)	1,215	934	1,214	0 (170)	-249 (157)
October	59.4	49.6	58.5	1.0 (5.6)	-8.8 (5.5)	1,178	854	1,116	61 (164)	-248* (143)
November	58.9	53.1	61.2	-2.3 (5.6)	-7.8 (5.6)	1,240	936	1,158	82 (163)	-196 (145)
December	58.2	53.3	59.0	-0.9 (5.9)	-5.8 (5.8)	1,302	965	1,117	185 (171)	-128 (152)
2020										
January	53.8	54.8	57.4	-3.6 (6.1)	-2.6 (6.0)	1,123	970	1,055	67 (162)	-70 (155)
February	57.7	56.9	55.5	2.2 (6.6)	1.3 (6.5)	1,189	966	1,008	182 (177)	-22 (158)
March	52.0	54.0	56.3	-4.3 (6.5)	-2.5 (6.5)	1,046	896	1,065	-18 (176)	-141 (162)
April	46.4	49.2	56.9	-10.4 (6.8)	-6.7 (6.7)	998	889	1,185	-186 (183)	-256 (177)
May	44.9	55.7	58.1	-13.2* (7.1)	-4.0 (6.9)	941	989	1,026	-86 (184)	-57 (186)
June	39.2	49.9	51.5	-12.3* (7.3)	-3.1 (7.4)	871	910	849	22 (191)	12 (182)

Table H.6. Trends in calendar month employment rate and earnings, based on 36-month survey data *(continued)*

	Employment rate (%)					Earnings ($)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
July	37.5	50.6	57.3	-19.8*** (7.6)	-7.6 (7.6)	756	845	930	-174 (205)	-140 (197)
August	49.2	51.6	50.3	-1.0 (9.5)	-0.6 (8.1)	994	737	865	129 (247)	-170 (191)
September	48.6	44.9	35.5	13.1 (8.8)	9.5 (9.6)	1,196	882	547	650*** (232)	315 (228)
October	49.2	47.9	42.7	6.5 (10.7)	7.7 (10.0)	1,067	752	650	417** (192)	116 (226)
November	19.5	41.1	36.1	-16.6 (13.4)	12.7 (15.3)	154	511	505	-350** (159)	118 (246)
Sample size	**268**	**281**	**256**			**268**	**281**	**256**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table H.7. Trends in calendar quarter employment rate and earnings, based on UI wage records

	Employment rate (%)					Earnings ($)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
2016										
July–September	39.6	45.0	37.2	2.3 (5.8)	7.9 (6.0)	941	964	752	189 (187)	214 (181)
October–December	38.6	45.8	42.7	-4.1 (4.7)	3.4 (4.7)	1,165	1,182	1,040	125 (186)	144 (175)
2017										
January–March	44.7	42.7	42.9	1.8 (4.0)	-0.1 (3.9)	1,127	1,162	1,011	116 (144)	152 (144)
April–June	43.9	44.7	44.7	-0.7 (3.4)	0.1 (3.4)	1,264	1,247	1,165	99 (140)	83 (130)
July–September	42.0	45.1	42.0	0.0 (2.9)	3.2 (2.9)	1,205	1,195	1,104	101 (118)	93 (113)
October–December	43.0	44.2	42.8	0.2 (2.6)	1.5 (2.6)	1,396	1,336	1,264	132 (118)	73 (117)
2018										
January–March	41.9	42.1	41.3	0.6 (2.4)	0.8 (2.4)	1,345	1,237	1,236	110 (111)	2 (104)
April–June	45.3	43.9	43.4	1.9 (2.4)	0.5 (2.4)	1,667	1,455	1,360	307** (121)	95 (114)
July–September	46.2	47.3	40.9	5.3** (2.4)	6.4*** (2.4)	1,739	1,617	1,360	379*** (123)	257** (120)
October–December	46.0	46.0	43.9	2.1 (2.5)	2.0 (2.4)	1,835	1,760	1,533	302** (132)	227* (129)
2019										
January–March	45.3	42.8	40.8	4.5* (2.5)	2.0 (2.4)	1,740	1,614	1,399	341*** (127)	215* (123)
April–June	44.8	45.0	41.4	3.4 (2.5)	3.6 (2.4)	1,821	1,698	1,450	371*** (132)	247* (127)
July–September	46.6	46.1	41.2	5.4** (2.5)	4.8** (2.5)	1,823	1,777	1,566	257* (137)	210 (133)
October–December	44.4	44.5	41.5	2.9 (2.5)	3.0 (2.5)	1,953	1,856	1,677	276* (146)	179 (141)
2020										
January–March	42.4	43.9	40.9	1.5 (2.5)	3.0 (2.5)	1,754	1,708	1,624	130 (141)	84 (136)
April–June	37.7	38.2	36.2	1.5 (2.4)	2.0 (2.4)	1,460	1,338	1,295	165 (132)	44 (127)

Table H.7. Trends in calendar quarter employment rate and earnings, based on UI wage records *(continued)*

	Employment rate (%)					Earnings ($)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
July–September	38.8	39.1	39.7	-0.9 (2.5)	-0.6 (2.4)	1,732	1,523	1,482	251* (144)	41 (134)
Sample size	**737**	**736**	**735**			**737**	**736**	**735**		

Source: SNAP employment and training evaluation UI wage records, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table H.8. Trends in calendar month SNAP participation and SNAP benefit amount

	SNAP participation (%)					Benefit amount ($)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
2016										
May	96.7	97.3	87.7	9.0 (5.8)	9.3 (7.1)	190	219	161	29* (16)	58*** (19)
June	77.6	91.2	76.6	1.0 (6.4)	14.9*** (5.2)	156	202	140	15 (15)	62*** (14)
July	70.5	80.6	72.2	-1.7 (5.5)	8.5 (5.3)	141	174	138	3 (13)	36*** (13)
August	68.6	71.5	56.7	11.9** (4.9)	15.0*** (5.0)	130	148	107	23** (11)	41*** (12)
September	61.1	67.9	52.8	8.3* (4.6)	15.4*** (4.5)	120	139	101	19* (11)	39*** (11)
October	59.2	63.4	49.7	9.5** (4.5)	14.1*** (4.4)	113	133	89	24** (10)	45*** (10)
November	55.3	61.5	49.9	5.5 (4.2)	11.9*** (4.1)	104	126	94	10 (9.3)	33*** (9.5)
December	55.5	63.8	53.9	1.5 (3.8)	9.8*** (3.6)	108	128	100	8 (8.5)	28*** (8.4)
2017										
January	56.5	59.7	49.1	7.4** (3.8)	10.6*** (3.7)	112	116	90	22** (8.9)	26*** (8.5)
February	58.6	62.2	50.1	8.5** (3.4)	12.1*** (3.5)	117	133	96	21*** (7.9)	38*** (8.3)
March	57.1	60.8	48.9	8.2** (3.3)	11.9*** (3.3)	113	126	90	23*** (7.8)	36*** (8.0)
April	56.5	60.6	48.7	7.8** (3.2)	11.8*** (3.1)	112	125	92	20*** (7.5)	32*** (7.7)
May	56.8	59.8	47.9	8.9*** (3.0)	11.9*** (3.0)	114	121	92	21*** (7.2)	28*** (7.4)
June	59.1	59.9	47.6	11.6*** (2.9)	12.3*** (2.8)	118	119	95	23*** (6.9)	24*** (6.9)
July	57.6	58.7	49.0	8.6*** (2.7)	9.6*** (2.7)	113	117	97	16** (6.6)	20*** (6.7)
August	57.5	57.8	49.0	8.5*** (2.7)	8.8*** (2.6)	117	121	100	16** (6.6)	20*** (6.7)
September	56.9	58.0	49.1	7.8*** (2.6)	9.0*** (2.5)	116	117	100	16** (6.4)	17*** (6.5)
October	54.9	55.7	47.5	7.4*** (2.5)	8.1*** (2.5)	107	112	94	13** (6.2)	18*** (6.2)
November	53.2	52.1	44.7	8.5*** (2.5)	7.5*** (2.5)	105	102	85	20*** (6.2)	17*** (5.9)
December	50.0	49.2	42.9	7.1*** (2.4)	6.3*** (2.4)	99	97	83	15** (6.0)	14** (5.8)
2018										
January	48.0	49.2	41.6	6.3*** (2.4)	7.6*** (2.4)	95	95	82	13** (6.1)	13** (5.9)
February	45.7	46.6	38.8	6.9*** (2.5)	7.9*** (2.4)	92	93	75	17*** (6.2)	17*** (6.0)
March	42.8	42.6	35.9	6.9*** (2.5)	6.7*** (2.4)	86	83	71	14** (6.2)	12** (5.9)
April	40.7	39.6	34.5	6.1** (2.5)	5.1** (2.4)	82	80	68	13** (6.2)	11* (6.0)

Table H.8. Trends in calendar month SNAP participation and SNAP benefit amount *(continued)*

	SNAP participation (%)					Benefit amount ($)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
May	40.9	37.2	34.7	6.2** (2.4)	2.5 (2.4)	81	76	68	13** (6.2)	7 (6.1)
June	38.4	37.1	34.4	4.0 (2.4)	2.7 (2.4)	77	74	67	10* (6.1)	7 (5.9)
July	36.7	38.2	33.3	3.4 (2.4)	4.9** (2.4)	73	74	61	12** (5.8)	13** (5.9)
August	36.2	38.3	33.3	2.9 (2.4)	5.0** (2.4)	74	74	64	10* (5.9)	10* (6.0)
September	35.2	36.7	31.8	3.3 (2.4)	4.9** (2.4)	72	72	62	10* (5.9)	10* (6.1)
October	33.4	34.2	32.0	1.5 (2.4)	2.2 (2.4)	68	67	65	3 (6.0)	2 (6.2)
November	32.8	33.8	30.6	2.2 (2.4)	3.2 (2.4)	70	66	63	7 (6.2)	3 (6.2)
December	32.4	32.6	30.6	1.8 (2.3)	2.0 (2.4)	69	65	62	7 (6.1)	3 (6.0)
2019										
January	31.0	32.9	30.7	0.2 (2.3)	2.2 (2.4)	67	65	60	6 (5.9)	4 (5.9)
February	30.3	30.6	29.7	0.6 (2.3)	1.0 (2.3)	66	65	60	6 (6.0)	5 (6.0)
March	30.0	29.4	29.1	0.9 (2.3)	0.3 (2.3)	66	57	59	7 (6.2)	-2 (5.7)
April	29.5	28.1	28.3	1.2 (2.3)	-0.2 (2.3)	65	56	57	8 (6.2)	-1 (5.7)
May	28.9	28.2	29.2	-0.3 (2.3)	-1.1 (2.3)	63	56	60	4 (6.2)	-4 (5.8)
June	29.7	29.3	29.9	-0.2 (2.3)	-0.7 (2.3)	64	60	63	1 (6.3)	-4 (6.1)
July	29.7	28.7	32.1	-2.4 (2.3)	-3.4 (2.3)	64	60	64	1 (6.2)	-4 (6.1)
August	29.3	28.5	31.5	-2.2 (2.3)	-3.0 (2.3)	64	59	67	-3 (6.4)	-8 (6.2)
September	29.0	27.7	31.6	-2.6 (2.3)	-3.9* (2.3)	63	58	67	-4 (6.4)	-9 (6.2)
October	30.0	29.2	30.2	-0.2 (2.3)	-1.0 (2.3)	64	60	66	-2 (6.5)	-5 (6.4)
November	29.5	28.8	28.8	0.7 (2.3)	-0.1 (2.3)	64	61	63	0 (6.3)	-2 (6.3)
December	28.3	27.4	29.7	-1.3 (2.3)	-2.2 (2.3)	63	60	65	-2 (6.3)	-4 (6.3)
2020										
January	29.4	26.4	29.7	-0.3 (2.3)	-3.3 (2.3)	63	57	61	2 (6.3)	-4 (6.2)
February	29.7	26.1	29.8	-0.1 (2.3)	-3.7 (2.3)	68	58	64	4 (6.6)	-7 (6.3)
March	32.6	28.6	32.1	0.5 (2.4)	-3.5 (2.3)	72	61	66	6 (6.3)	-5 (6.1)
April	33.8	32.2	36.1	-2.3 (2.4)	-3.9 (2.4)	75	62	70	4 (6.4)	-8 (5.9)
May	33.4	31.7	34.8	-1.4 (2.4)	-3.2 (2.4)	73	64	70	3 (6.3)	-6 (5.9)
June	29.9	28.6	31.6	-1.7 (2.3)	-2.9 (2.3)	66	60	66	0 (6.2)	-6 (5.9)

Table H.8. Trends in calendar month SNAP participation and SNAP benefit amount *(continued)*

	SNAP participation (%)					Benefit amount ($)				
	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
July	25.7	23.8	28.6	-2.8 (2.3)	-4.7** (2.2)	58	49	60	-2 (6.0)	-10* (5.6)
August	28.5	24.8	30.7	-2.2 (2.3)	-6.0*** (2.3)	60	48	63	-3 (6.0)	-15*** (5.5)
September	27.8	25.6	29.9	-2.2 (2.3)	-4.3* (2.3)	55	49	60	-5 (5.7)	-10* (5.6)
October	27.9	26.6	30.5	-2.6 (2.3)	-3.8* (2.3)	37	40	45	-8 (4.9)	-5 (5.2)
November	30.4	28.8	32.1	-1.7 (2.3)	-3.3 (2.3)	62	55	63	-1 (5.9)	-8 (5.8)
December	29.8	28.9	32.1	-2.3 (2.3)	-3.2 (2.3)	60	56	63	-3 (5.8)	-6 (5.8)
Sample size	**737**	**736**	**735**			**737**	**736**	**735**		

Source: SNAP employment and training evaluation SNAP administrative data, weighted data.

Note: Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

Table H.9. Reasons for not working by timing of when the COVID-19 pandemic began, among all individuals with 36-month survey data

	Before COVID-19 began					After COVID-19 began				
Outcome	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference	ECCS group	BCCS group	Control group	ECCS / Control group difference	BCCS / Control group difference
Not employed (%)	40.5	61.2	47.9	-7.4 (6.1)	13.0** (6.2)	53.2	52.5	48.2	5.0 (6.7)	4.8 (6.5)
Reason for not working (%)										
Could not find work in the area	12.1	15.4	15.2	-3.0 (4.1)	0.9 (4.7)	12.6	13.6	15.3	-2.7 (4.6)	-2.4 (4.7)
Lack necessary schooling, training, skills or expertise	0.6	0.0	0.0	0.6 (0.4)	0.0 (0.1)	0.0	0.2	0.0	0.0 (<0.1)	0.2 (0.3)
Could not get along with supervisors or co-workers	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Physical or mental health problems	12.1	13.6	13.7	-1.6 (3.7)	0.8 (4.2)	6.5	5.2	9.1	-2.5 (3.0)	-4.3 (2.8)
Alcohol or substance use disorder	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Family responsibilities; caring for children, spouse or parents; pregnancy	4.9	8.4	5.7	-0.8 (3.1)	2.2 (3.6)	3.8	4.7	5.0	-1.2 (2.9)	-0.7 (3.0)
Attending school	1.8	5.9	1.2	0.6 (1.4)	4.7** (2.0)	1.1	0.2	2.2	-1.1 (1.4)	-1.6††† (1.3)
Transportation issues or problems	2.9	5.5	3.7	-0.8 (2.2)	1.6 (2.6)	3.6	7.0	0.9	2.7 (1.6)	6.0*** (2.2)
Language barrier or limited English proficiency	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)	0.0	0.0	0.0	0.0 (0.0)	0.0 (0.0)
Chose not to work	0.1	0.0	0.0	0.1 (0.1)	0.0 (0.1)	0.0	0.6	0.5	-0.4 (0.4)	0.2 (0.7)
Other	5.9	11.7	8.4	-2.6 (3.5)	2.0 (3.8)	25.4	20.6	15.3	10.1*† (5.5)	7.1 (5.3)
Sample size	**144**	**139**	**130**			**124**	**142**	**126**		

Source: SNAP employment and training evaluation 36-month survey, weighted data.

Note: "Other" responses include criminal backgrounds, the COVID-19 pandemic, being laid off or fired, moving away, retirement, and ending seasonal/temporary employment.Standard errors in parentheses.

***/**/* Difference between ECCS group and control group or BCCS and control group significantly different from zero at the 0.01/0.05/0.10 level, two-tailed test.

†††/††/† Significantly different from before the COVID-19 pandemic began at the 0.01/0.05/0.10 level, two-tailed test.