

Table 1: Mean Household Employment Characteristics, by Food Stamp Participation: Comparison of 1996-1999 and 1990-1992 Time Periods

	1996-1999			1990-1992		
	All (1)	Participating This Month (2)	Non- participating This Month (3)	All (4)	Participating This Month (5)	Non- participating This Month (6)
<i>Among all adults in our study population:</i>						
Food stamp recipient this month	0.075	1.000	0.000	0.133	1.000	0.000
Someone in HH employed this month	0.885	0.515	0.915	0.848	0.458	0.907
<i>Among adults in working HH in our study population:</i>						
Some, but not all adults in HH employed this month	0.407	0.519	0.402	0.462	0.719	0.443
All adults in HH employed this month, but not everyone is working full-time	0.456	0.464	0.456	0.400	0.276	0.410
All adults in HH employed this month and everyone is working full-time	0.136	0.017	0.142	0.138	0.005	0.148
<i>Among adults in fully employed HH¹</i>						
Some, but not all adults in HH are working traditional daytime hours this month	0.539	0.470	0.542	0.669	0.666	0.670
All adults in HH are working traditional daytime hours this month	0.262	0.189	0.265	0.136	0.021	0.144
Number of jobs held in HH this month	1.699	1.317	1.716	1.637	1.302	1.663
Number of hours HH worked this month	129.057	87.046	130.969	131.312	79.733	135.290
Number of employer changes for the HH, q-1	0.522	0.662	0.516	0.323	0.374	0.319
Number of employer changes for the HH, q-2	0.474	0.556	0.470	0.266	0.285	0.264
Observations (person-months of ever low-income working aged adults)	903519	74825	828694	337559	47611	289948

¹A household is categorized as fully employed if all adults in the household work full-time.

Table 2: Determinants of Food Stamp Program Participation: 1996-1999^{1,2}

	Logit			Fixed Effect Logit		
	Coeff. (1)	SE (2)	Odds Ratio (3)	Coeff. (4)	SE (5)	Odds Ratio (6)
Employment Characteristics of HH						
<i>Employment status (Omitted: No one employed)</i>						
Some, but not all adults in HH employed, m-1	-0.498***	0.060	0.608	-0.509***	0.035	0.601
All adults in HH employed last month, but not everyone is working full-time, m-1	-0.684***	0.092	0.505	-0.766***	0.050	0.465
All adults in HH employed last month and everyone is working full-time, m-1	-1.921***	0.147	0.146	-1.520***	0.088	0.219
<i>Worked traditional daytime hours and HH fully employed (omitted: HH fully employed and no one in HH worked traditional hours or HH not fully employed)³</i>						
Some, but not all adults in HH are working traditional daytime hours, m-1	-0.435***	0.042	0.647	-0.221***	0.029	0.802
All adults in HH are working traditional daytime hours, m-1	-0.327***	0.055	0.721	-0.214***	0.040	0.807
<i>Other employment characteristics</i>						
Number of jobs held in HH, m-1	-0.314***	0.048	0.731	-0.155***	0.025	0.856
Number of hours HH worked, m-1	-0.003***	0.000	0.997	-0.004***	0.000	0.996
Number of employer changes for the HH, q-1	0.081***	0.008	1.084	0.053***	0.007	1.054
Number of employer changes for the HH, q-2	0.072***	0.009	1.074	0.023***	0.008	1.024
Income Measures						
Income volatility, y-1	0.039	0.025	1.040	0.062***	0.021	1.064
FSP Policies						
Proportion of working food stamp recipients with 1-3 month recertification period	0.007	0.073	1.007	0.061	0.074	1.063
Proportion of working food stamp recipients with 4-6 month recertification period	-0.228***	0.079	0.796	-0.266***	0.098	0.766
Electronic Benefit Transfer	-0.076	0.051	0.927	-0.012	0.037	0.988
Observations		903519			134780	
Log-Likelihood		-172817.36			-52732.231	

* significant at 10%; ** significant at 5%; *** significant at 1%.

¹The time subscripts on variables denote the following: m-1 prior month, q-1 over prior quarter, y-1 over prior year. Variables with no time period noted are measured in the current month.

²Regressions also contain variables capturing, household composition, demographic characteristics, economic conditions, geographic characteristics, year dummies, and a seam bias dummy. The full regression is shown in Appendix Table A1.

³A household is categorized as fully employed if all adults in the household work full-time.

Table 3: Determinants of Food Stamp Program Participation: Comparison of 1996-1999 and 1990-1992 Time Periods^{1,2}

	1996-1999			1990-1992		
	Fixed Effects Logit			Fixed Effects Logit		
	<u>Coeff.</u>	<u>SE</u>	<u>Odds</u> <u>Ratio</u>	<u>Coeff.</u>	<u>SE</u>	<u>Odds</u> <u>Ratio</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
Employment Characteristics of HH						
<i>Employment status (Omitted: No one employed)</i>						
Some, but not all adults in HH employed, m-1	-0.539***	0.035	0.583	-0.654***	0.048	0.520
All adults in HH employed last month, but not everyone is working full-time, m-1	-0.787***	0.049	0.455	-1.209***	0.071	0.298
All adults in HH employed last month and everyone is working full-time, m-1	-1.540***	0.087	0.214	-2.435***	0.152	0.088
<i>Other employment characteristics</i>						
Number of jobs held in HH, m-1	-0.168***	0.024	0.845	-0.424***	0.030	0.654
Number of hours HH worked, m-1	-0.004***	0.000	0.996	-0.003***	0.000	0.997
Number of employer changes for the HH, q-1	0.053***	0.007	1.054	0.146***	0.017	1.157
Number of employer changes for the HH, q-2	0.023***	0.008	1.023	0.031*	0.018	1.031
Income Measures						
Income volatility, y-1	0.068***	0.022	1.070	0.318***	0.047	1.374
FSP Policies						
Proportion of working food stamp recipients with 1-3 month recertification period	0.065	0.074	1.067	-1.425***	0.172	0.241
Proportion of working food stamp recipients with 4-6 month recertification period	-0.259***	0.098	0.771	-0.771***	0.127	0.463
Electronic Benefit Transfer ³	-0.003	0.037	0.997	--	--	--
Observations		134780			61252	
Log-Likelihood		-52765.527			-23655.761	

* significant at 10%; ** significant at 5%; *** significant at 1%.

¹The time subscripts on variables denote the following: m-1 prior month, q-1 over prior quarter, y-1 over prior year. Variables with no time period noted are measured in the current month.

²Regressions also contain variables capturing, household composition, demographic characteristics, economic conditions, geographic characteristics, year dummies, and a seam bias dummy. The full regression is shown in Appendix Table A1.

³The variable capturing whether a state had an electronic benefit transfer (EBT) program in place is excluded from the 1990-1992 time period, because EBT was implemented in the first state in 1993.

Table A1: Determinants of Food Stamp Program Participation: 1996-1999—Full Model¹

	Logit		Fixed Effects	
	<u>Coeff.</u>	<u>SE</u>	<u>Coeff</u>	<u>SE</u>
Employment Characteristics of HH				
<i>Employment status (Omitted: No one employed)</i>				
Some, but not all adults in HH employed, m-1	-0.498***	0.060	-0.509***	0.035
All adults in HH employed last month, but not everyone is working full-time, m-1	-0.684***	0.092	-0.766***	0.050
All adults in HH employed last month and everyone is working full-time, m-1	-1.921***	0.147	-1.520***	0.088
<i>Worked traditional daytime hours and HH fully employed (omitted: HH fully employed and no one in HH worked traditional hours or HH not fully employed)²</i>				
Some, but not all adults in HH are working traditional daytime hours, m-1	-0.435***	0.042	-0.221***	0.029
All adults in HH are working traditional daytime hours, m-1	-0.327***	0.055	-0.214***	0.040
<i>Other employment characteristics</i>				
Number of jobs held in HH, m-1	-0.314***	0.048	-0.155***	0.025
Number of hours HH worked, m-1	-0.003***	0.000	-0.004***	0.000
Number of employer changes for the HH, q-1	0.081***	0.008	0.053***	0.007
Number of employer changes for the HH, q-2	0.072***	0.009	0.023***	0.008
Income Measures				
Income volatility, y-1	0.039	0.025	0.062***	0.021
FSP Policies				
Proportion of working food stamp recipients with 1-3 month recertification period	0.007	0.073	0.061	0.074
Proportion of working food stamp recipients with 4-6 month recertification period	-0.228***	0.079	-0.266***	0.098
Electronic Benefit Transfer	-0.076	0.051	-0.012	0.037
Household Composition				
Single female-headed HH	1.207***	0.053	1.262***	0.046
Single Male-headed HH	1.243***	0.073	0.718***	0.058
Able-bodied adult, age 18-50, living in a household without children, elderly, or disabled members	-1.161***	0.089	-0.926***	0.061
Number of adults in HH	-0.368***	0.040	-0.242***	0.022
Number of children in HH	0.322***	0.017	0.229***	0.016
Adult age 60 or over in HH	-0.203**	0.085	0.223***	0.065
Anyone in HH disabled	0.593***	0.040	0.126***	0.028

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Table A1: Determinants of Food Stamp Program Participation: 1996-1999—Full Model¹
(continued)

	Logit		Fixed Effects Logit	
	Coefficient	SE	Coefficient	SE
Demographic Characteristics				
<i>Age: Omitted Group [46-59]</i>				
Less than 25	0.213 ^{***}	0.075		
Between 26 and 35	0.396 ^{***}	0.062		
Between 36 and 45	0.253 ^{***}	0.060		
Female	0.968 ^{***}	0.050		
<i>Race/Ethnicity: Omitted Group-White, non-Hispanic</i>				
Black, non- Hispanic	0.515 ^{***}	0.053		
Hispanic	0.363 ^{***}	0.069		
<i>Education: Omitted Group- less than high school</i>				
Educational attainment equal to high school	-0.337 ^{***}	0.049		
Educational attainment greater than high school	-0.789 ^{***}	0.057		
Never married	-0.010	0.058		
U.S. Citizen	0.191 ^{**}	0.082		
Economic Conditions				
Monthly state unemployment rate	0.121 ^{***}	0.020	0.088 ^{***}	0.014
Quarterly GDP	-0.000	0.000	-0.001 ^{***}	0.000
Geographic Characteristics				
<i>Region: Omitted Group-South</i>				
Northeast	0.170 ^{***}	0.065		
Midwest	0.198 ^{***}	0.059		
West	-0.090	0.070		
MSA	-0.239 ^{***}	0.049	-0.107 ^{***}	0.041
Year				
1996	0.294 ^{***}	0.061	0.399 ^{***}	0.081
1997	0.147 ^{***}	0.047	0.145 ^{**}	0.058
1998	0.059 [*]	0.031	-0.010	0.035
Seam bias dummy	0.003	0.004	-0.047 ^{***}	0.017
Constant	-2.755 ^{***}	0.731		
Observations	903519		134780	
Log-Likelihood	-172817.36		-52732.231	

* significant at 10%; ** significant at 5%; *** significant at 1%.

¹ The time subscripts on variables denote the following: m-1 prior month, q-1 over prior quarter, y-1 over prior year. Variables with no time period noted are measured in the current month.

² A household is categorized as fully employed if all adults in the household work full-time.

**Table A2: Determinants of Food Stamp Program Participation with
Income: 1996-1999^{1,2}**

	Fixed Effects Logit	
	Coefficient	SE
Employment Characteristics of HH		
<i>Employment status (Omitted: No one employed)</i>		
Some, but not all adults in HH employed, m-1	-0.525***	0.035
All adults in HH employed last month, but not everyone is working full-time, m-1	-0.832***	0.050
All adults in HH employed last month and everyone is working full-time, m-1	-1.552***	0.088
<i>Worked traditional daytime hours and HH fully employed (omitted: HH fully employed and no one in HH worked traditional hours or HH not fully employed)³</i>		
Some, but not all adults in HH are working traditional daytime hours, m-1	-0.210***	0.029
All adults in HH are working traditional daytime hours, m-1	-0.215***	0.040
<i>Other employment characteristics</i>		
Number of jobs held in HH, m-1	0.004	0.026
Number of hours HH worked, m-1	-0.004***	0.000
Number of employer changes for the HH, q-1	0.048***	0.007
Number of employer changes for the HH, q-2	0.022***	0.008
Income Measures		
Income	-0.164***	0.008
Income volatility, y-1	0.074***	0.023
FSP Policies		
Proportion of working food stamp recipients with 1-3 month recertification period	0.072	0.074
Proportion of working food stamp recipients with 4-6 month recertification period	-0.266***	0.099
Electronic Benefit Transfer	-0.014	0.037
Observations	134780	
Log-Likelihood	-52516.6	

* significant at 10%; ** significant at 5%; *** significant at 1%.

¹The time subscripts on variables denote the following: m-1 prior month, q-1 over prior quarter, y-1 over prior year. Variables with no time period noted are measured in the current month.

²Regressions also contain variables capturing, household composition, demographic characteristics, economic conditions, geographic characteristics, year dummies, and a seam bias dummy. The full list of covariates is shown in Appendix Table A1.

³A household is categorized as fully employed if all adults in the household work full-time.

Table A3: Determinants of Food Stamp Program Participation with Income: 1996-1999
Subpopulation of Adults Ever Observed Living in a Household
Below 130% of the Poverty Threshold ^{1,2}

	Fixed Effects Logit	
	Coefficient	SE
Employment Characteristics of HH		
<i>Employment status (Omitted: No one employed)</i>		
Some, but not all adults in HH employed, m-1	-0.615***	0.058
All adults in HH employed last month, but not everyone is working full-time, m-1	-0.717***	0.083
All adults in HH employed last month and everyone is working full-time, m-1	-1.810***	0.144
<i>Worked traditional daytime hours and HH fully employed (omitted: HH fully employed and no one in HH worked traditional hours or HH not fully employed) ³</i>		
Some, but not all adults in HH are working traditional daytime hours, m-1	-0.266***	0.049
All adults in HH are working traditional daytime hours, m-1	-0.206***	0.068
<i>Other employment characteristics</i>		
Number of jobs held in HH, m-1	-0.180***	0.041
Number of hours HH worked, m-1	-0.004***	0.000
Number of employer changes for the HH, q-1	0.034***	0.012
Number of employer changes for the HH, q-2	0.017	0.013
Income Measures		
Income volatility, y-1	0.057*	0.034
FSP Policies		
Proportion of working food stamp recipients with 1-3 month recertification period	-0.009	0.123
Proportion of working food stamp recipients with 4-6 month recertification period	-0.540***	0.167
Electronic Benefit Transfer	0.156**	0.062
Observations		50214
Log-Likelihood		-19614.352

* significant at 10%; ** significant at 5%; *** significant at 1%.

¹ The time subscripts on variables denote the following: m-1 prior month, q-1 over prior quarter, y-1 over prior year. Variables with no time period noted are measured in the current month.

² Regressions also contain variables capturing, household composition, demographic characteristics, economic conditions, geographic characteristics, year dummies, and a seam bias dummy. The full list of covariates is shown in Appendix Table A1.

³ A household is categorized as fully employed if all adults in the household work full-time

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