Improving Lives Through Research®
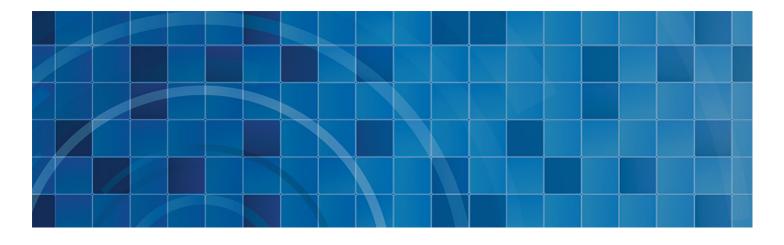
Supported Employment Demonstration

Final Enrollment Analysis Report Appendixes (Deliverable 7.4b)

Contract #SS00-16-60014

Contracting Officer's Representative (COR): Marion McCoy, Ph.D.
Alternate COR: Eleanor Stinnett, M.S.

Authors

Jeffrey Taylor, Ph.D.
David Salkever, Ph.D.
William Frey, Ph.D.

Jarnee Riley, M.S.
Jocelyn Marrow, Ph.D.

August 11, 2020

Appendix A
Test Regressions

Table A-1. Test sample logistic regression estimates of marginal effects on probability of enrollment – potential enrollees

Variable name	Clustered (n=3,793) Model 1		Fixed Effects (n=3,793) Model 2	
	dy/dx	P < z	dy/dx	P < z
recruitlag	0.001	<0.001	8.6E-04	<0.001
FEM	-0.045	0.001	-0.048	0.005
SSIinRecruit	-0.091	0.284	-0.113	0.210
SSDIinRecruit	-0.401	<0.001	-0.420	0.001
CountyWageGrowth	0.008	0.070	0.007	0.147
WORKPOTENTIAL	0.031	0.064	0.040	0.016
MISSINGBASISCODES	0.048	0.056	0.055	0.015
HighestSchoolGrade	0.010	0.001	0.010	0.001
PctUnempl	0.002	0.235	0.002	0.221
WEEKLY_PAY1	-5.9E-05	<0.001	-5.7E-05	0.031
weeklypaymiss	-0.035	0.1412	-0.044	0.131
lastjobtenmiss	0.062	0.005	0.065	0.013

Table A-2. Test sample logistic regression estimates of marginal effects on probability of enrollment – potential + possibly potential enrollees

Variable name	Clustered (n=4,321) Model 1		Fixed Effects (n=4,321) Model 2	
	dy/dx	P < z	dy/dx	P < z
recruitlag	3.7E-04	0.119	1.7E-04	0.497
FEM	-0.034	0.007	-0.044	0.011
SSIinRecruit	-0.076	0.302	-0.128	0.184
SSDIinRecruit	-0.352	<0.001	-0.435	0.001
CountyWageGrowth	0.007	0.084	-0.027	0.306
WORKPOTENTIAL	0.036	0.020	0.007	0.18
MISSINGBASISCODES	0.055	0.018	0.054	0.002
HighestSchoolGrade	0.010	<0.001	0.073	0.003
PctUnempl	0.003	0.111	0.012	<0.001
ALLGN_IMP_MNTL	-0.026	0.149	0.002	0.159
WEEKLY_PAY1	-5.0E-05	0.001	-6.1E-05	0.027
weeklypaymiss	-0.031	0.178	-0.047	0.125
lastjobtenmiss	0.059	0.003	0.072	0.010

Westat®

Table A-3. Test sample logistics regression coefficient estimates for potential enrollees[1]

Variable name	Clustered (n=3,793)		Fixed effects (n=3,793)	
	Coefficient	P < z	Coefficient	P < z
recruitlag	0.009	<0.001	0.007	0.001
recruitlag^2	-3.0E-05	<0.001	-2.4E-05	0.003
FEM	-0.229	0.002	-0.236	0.002
SSIinRecruit	-0.465	0.286	-0.554	0.204
SSDIinRecruit	-2.066	<0.001	-2.058	0.001
CountyWageGrowth	0.041	0.074	0.035	0.143
WORKPOTENTIAL	0.158	0.064	0.195	0.02
MISSINGBASISCODES	0.260	0.046	0.271	0.019
HighestSchoolGrade	0.052	0.001	0.049	0.009
PctUnempl	0.012	0.246	0.010	0.235
ALLGN_IMP_MNTL	-0.097	0.304	–	
WEEKLY_PAY1	-3.0E-04	<0.001	-2.8E-04	0.024
weeklypaymiss	-0.184	0.131	-0.216	0.122
lastjobtenmiss	0.319	0.006	0.321	0.014
Constant	-1.903	<0.001	–	

Table A-4. Test sample logistics regression coefficient estimates for potential + possibly potential enrollees[2]

Variable name	Clustered (n=4,321)		Fixed effects (n=4,321)	
	Coefficient	P < z	Coefficient	P < z
recruitlag	0.004	0.046	0.002	0.347
recruitlag^2	-1.5E-05	0.010	-7.8E-06	0.284
FEM	-0.191	0.01	-0.198	0.009
SSIinRecruit	-0.426	0.304	-0.576	0.181
SSDIinRecruit	-1.968	<0.001	-1.961	0.001
CountyWageGrowth	0.038	0.087	-0.122	0.290
WORKPOTENTIAL	0.203	0.019	0.032	0.179
MISSINGBASISCODES	0.305	0.017	0.245	0.003
HighestSchoolGrade	0.058	<0.001	0.329	0.004
PctUnempl	0.016	0.113	0.055	0.003
ALLGN_IMP_MNTL	-0.147	0.143	0.011	0.170
WEEKLY_PAY1	-2.8E-04	0.002	-2.7E-04	0.023
weeklypaymiss	-0.174	0.176	-0.213	0.119
lastjobtenmiss	0.331	0.003	0.325	0.011
Constant	-1.957	<0.001	--	--

---

[1] Marginal effect estimates for this regression are in Table B-1 above.

[2] Marginal effect estimates for this regression are in Table B-2 above.

Westat

Table A-5. Random Effects test sample logistics regression coefficient estimates for potential enrollees only

Variable name	Full (n=3,793)		Alternative (n=3,793)	
	Coefficient	P < z	Coefficient	P < z
recruitlag	0.008	<0.001	0.008	<0.001
recruitlag^2	-2.6E-05	0.002	-2.5E-05	0.002
FEM	-0.233	0.002	-0.243	0.002
SSIinRecruit	-0.528	0.225	-0.483	0.266
SSDIinRecruit	-2.065	0.001	-2.097	<0.001
CountyWageGrowth	0.037	0.124	0.035	0.146
WORKPOTENTIAL	0.183	0.028	0.120	0.126
HighestSchoolGrade	0.050	0.007	0.046	0.012
ALLGN_IMP_MNTL	-0.079	0.501	–	–
MISSINGBASISCODES	0.275	0.018	–	–
PctUnempl	0.010	0.204	0.011	0.186
WEEKLY_PAY1	-2.9E-04	0.019	-3.2E-04	0.009
weeklypaymiss	-0.212	0.127	-0.217	0.118
lastjobtenmiss	0.324	0.013	0.347	0.007
Constant	-1.817	<0.001	-1.739	<0.001

Table A-6. Random Effects test and validation sample logistics regression coefficient estimates for potential + possibly potential enrollees

Variable name	Full (n=4,321)		Alternative (n=4,321)	
	Coefficient	P < z	Coefficient	P < z
recruitlag	0.002	0.218	0.002	0.335
recruitlag^2	-9.6E-06	0.194	-8.3E-06	0.256
FEM	-0.197	0.009	-0.209	0.005
SSIinRecruit	-0.537	0.210	-0.490	0.252
SSDIinRecruit	-1.965	0.001	-2.004	0.001
CountyWageGrowth	0.034	0.155	0.031	0.188
WORKPOTENTIAL	0.234	0.004	0.164	0.031
HighestSchoolGrade	0.056	0.002	0.051	0.005
ALLGN_IMP_MNTL	-0.132	0.252	–	–
MISSINGBASISCODES	0.323	0.005	–	–
PctUnempl	0.012	0.126	0.013	0.109
WEEKLY_PAY1	-2.8E-04	0.021	-3.1E-04	0.009
weeklypaymiss	-0.208	0.127	-0.210	0.122
lastjobtenmiss	0.332	0.009	0.354	0.005
Constant	-1.815	<0.001	-1.757	<0.001

Westat®

Appendix B
Coefficient Estimates from Validation Models

B.1 Regression results with Clustered Errors and Fixed Effect Errors

The tables in this appendix present the coefficient estimates and p-values from the logistic regressions used to develop the average marginal effects estimates reported in Tables 6-5 and 6-6.

Table B-1. Validation sample logistics regression coefficient estimates for potential enrollees

Variable name	Clustered (n=7,512)		Clustered alt (n=7,512)		Fixed effects (n=7,512)	
	Coefficient	P < z	Coefficient	P < z	Coefficient	P < z
recruitlag	0.003	0.040	0.003	0.043	0.002	0.111
recruitlag^2	-1.1E-05	0.038	-1.1E-05	0.040	-7.1E-06	0.103
FEM	-0.174	0.008	-0.175	0.007	-0.169	0.002
SSIinRecruit	-0.832	0.049	-0.826	0.051	-0.698	0.056
SSDIinRecruit	-0.290	0.148	-0.293	0.142	-0.256	0.273
CountyWageGrowth	0.041	0.002	0.041	0.002	0.045	0.010
WORKPOTENTIAL	0.148	0.047	0.138	0.049	0.147	0.014
MISSINGBASISCODES	0.045	0.586	–		0.032	0.712
HighestSchoolGrade	0.028	0.017	0.027	0.024	0.029	0.030
PctUnempl	0.014	0.025	0.014	0.025	0.013	0.027
ALLGN_IMP_MNTL	-0.016	0.859	–		–	
WEEKLY_PAY1	-3.9E-04	<0.001	-4.0E-04	<0.001	-3.8E-04	<0.001
weeklypaymiss	-0.285	0.018	0.287	0.017	-0.288	0.004
lastjobtenmiss	0.221	0.006	0.223	0.006	0.224	0.018
Constant	-1.459	<0.001	-1.451	<0.001	–	

Table B-2. Test and validation sample logistics regression coefficient estimates for potential + possibly potential enrollees

Variable name	Clustered (n=8,535)		Clustered alt (n=8,535)		Fixed effects (n=8,535)	
	Coefficient	P < z	Coefficient	P < z	Coefficient	P < z
recruitlag	-0.001	0.649	-0.001	0.61	-0.003	0.028
recruitlag^2	-3.5E-07	0.917	-1.8E-07	0.957	7.1E-06	0.072
FEM	-0.144	0.02	-0.146	0.018	-0.141	0.009
SSIinRecruit	-0.780	0.069	-0.771	0.072	-0.672	0.063
SSDIinRecruit	-0.201	0.334	-0.204	0.327	-0.160	0.49
CountyWageGrowth	0.031	0.023	0.031	0.023	0.035	0.045
WORKPOTENTIAL	0.170	0.026	0.158	0.028	0.167	0.004
MISSINGBASISCODES	0.055	0.516	–		0.216	0.568
HighestSchoolGrade	0.029	0.009	0.028	0.013	0.029	0.028
PctUnempl	0.015	0.025	0.145	0.025	0.013	0.027
ALLGN_IMP_MNTL	-0.041	0.633	–		-0.023	0.798
WEEKLY_PAY1	0.000	0.001	0.000	0.001	0.000	<0.001
weeklypaymiss	-0.273	0.029	-0.274	0.028	-0.275	0.006
lastjobtenmiss	0.199	0.009	0.201	0.008	0.182	0.051
Constant	-1.464	<0.001	-1.474	<0.001	–	

Westat®

B.2 Validation Results from Random Effects Logit Regressions

This section of the appendix contains the Stata regression output for the random effects validation regressions analogous to the clustered model results and fixed effect results in the previous section of this appendix.

Table B-3. Random Effects validation sample logistics regression coefficient estimates for potential + possibly potential enrollees

Variable name	Full (n=8,535)		Alternative (n=8,535)	
	Coefficient	P < z	Coefficient	P < z
recruitlag	-0.002	0.054	-0.002	0.047
recruitlag^2	6.0E-06	0.127	6.2E-06	0.117
FEM	-0.142	0.008	-0.143	0.008
SSIinRecruit	-0.698	0.054	-0.690	0.057
SSDIinRecruit	-0.167	0.473	-0.170	0.464
CountyWageGrowth	0.035	0.046	0.035	0.046
WORKPOTENTIAL	0.167	0.004	0.156	0.004
MISSINGBASISCODES	0.029	0.027	0.028	0.030
HighestSchoolGrade	-0.026	0.764	–	–
PctUnempl	0.049	0.566	–	–
ALLGN_IMP_MNTL	0.013	0.021	0.013	0.021
WEEKLY_PAY1	-3.5E-04	<0.001	-3.5E-04	<0.001
weeklypaymiss	-0.274	0.006	-0.275	0.006
lastjobtenmiss	0.184	0.048	0.186	0.045
Constant	-1.341	<0.001	-1.340	<0.001

Table B-4. Random Effects validation sample logistics regression coefficient estimates for potential enrollees only

Variable name	Full (n=7,512)		Alternative (n=7,512)	
	Coefficient	P < z	Coefficient	P < z
recruitlag	0.002	0.071	0.002	0.075
recruitlag^2	-7.9E-06	0.069	-7.8E-06	0.072
FEM	-0.171	0.002	-0.171	0.002
SSIinRecruit	-0.730	0.046	-0.727	0.047
SSDIinRecruit	-0.265	0.257	-0.268	0.252
CountyWageGrowth	0.045	0.010	0.045	0.010
WORKPOTENTIAL	0.148	0.013	0.140	0.013
MISSINGBASISCODES	0.029	0.030	0.028	0.032
HighestSchoolGrade	0.002	0.978	–	–
PctUnempl	0.033	0.704	–	–
ALLGN_IMP_MNTL	0.014	0.019	0.014	0.019
WEEKLY_PAY1	-3.9E-04	0.000	-3.9E-04	<0.001
weeklypaymiss	-0.287	0.004	-0.288	0.004
lastjobtenmiss	0.224	0.018	0.225	0.017
Constant	-1.408	<0.001	-1.390	<0.001

Westat®

Appendix C
Sensitivity Analysis of Validation Results to Specifications Involving Missing Weekly Pay Dummy and Missing Last Job Tenure Dummy

This appendix addresses questions about the final validation results pertaining to the significant coefficients (positive and negative respectively) for the lastjobtenmiss dummy and the weeklypaymiss dummy. In both cases the dummy variables were introduced to account for the relatively large number of cases where the variable values for years of tenure in the longest last job in the past 15 years (LAST_JOB_TNR_YRS) were missing, and variable values where weekly pay in the last job in the past 15 years (WEEKLY_PAY1) were missing. Creation of each of these dummies also involved, for each case where a dummy was set = 1, recoding the original variable value from missing to 0, thereby avoiding the necessity of dropping these cases from the analysis. (While maximum-likelihood methods for multiple imputation could have been implemented in Stata as an alternative to this procedure, the need to test large numbers of alternative specifications in the testing phase of our analysis made this alternative approach infeasible.)

While each of these two dummy variables simply represent a missing data item on the denied applicant's application form, the interpretations of the significant coefficients for these dummies requires an examination of their correlates. Moreover, the non-negligible correlation of these dummies with one another suggests a need to test the significance of their inclusion in our final validation models.

Characteristics of Persons with lastjobtenmiss=1: Of the 1,487 potential or possibly potential enrollees with lastjobtenmiss=1, 728 were coded by SSA as having zero jobs in the last 15 years and 57 more were coded as not having yet supplied information on such jobs. In contrast, all other denied applicants reported having 1 or more jobs in the past 15 years. Among the remaining 702 persons with lastjobten=1 who did report having one or more jobs in the past 15 years, more than 80% reported that their last job ended in 2015 or later. In contrast, for other denied applicants (with lastjobtenmiss=0) only 53% ended their last job in 2015 or later.

Also, these 702 persons had a median age that was 9 year younger than the median age for other denied applicants who had reported last job tenure figures. In addition the 785 denied applicants with missing job tenure figures who had <u>not</u> reported any job in the last 15 years had a median age that was 11 years younger than the median age for other denied applicants who had reported last job tenure figures.

This suggests that the positive coefficient for lastjobtenmiss can be viewed as representing a composite effect of younger age, shorter work history, and fewer years following most recent job experience (for those with any prior jobs) compared to other denied applicants.

Characteristics of Persons with weeklypaymiss=1: Of the 1,513 potential or possibly potential enrollees with weeklypaymiss=1, 785 also had lastjobtenmiss=1. These included the same 728 cases just noted as coded by SSA as having zero jobs in the last 15 years and the 57 cases coded as not

Westat®

having yet supplied information on such jobs. The remaining 728 cases with weeklypaymiss=1 but had lastjobtenmiss=0 reported one or more jobs in the last 15 years. Of these 728, 684 reported data on the year their last job ended showing that only 53% ended their last job in 2015 or later. Age data were also only available on these same 684 cases, showing median and mean age values only 1 year lower than those of the remaining 10,685 denied applicants with reported age data for whom both weeklypaymiss=0 and lastjobtenmiss=0.

Correlation of weeklypaymiss and lastjobtenmiss: The similarity and overlap between the cases in our analyses that had weeklypaymiss = 1 and those that had lastjobtenmiss=1 raises concerns about a high correlation between these variables and possible implications for instability in our results. Previous empirical studies have suggested that when two variables are highly correlated, there is reason to expect that regression analyses with both correlated variables included will tend to show significant coefficients that are opposite in sign. That outcome parallels the results in our analyses.

To examine this possibility, we computed the simple bivariate correlation between these two dummy variables. The results indicated a moderately large and statistical significant correlation of 0.4936. Allowing for the binary form of these dummies, a cross-tabulation chi-square is also highly significant, as shown in the following results:

Table C-1.   Cross-tabulation of weeklypaymiss and lastjobtenmiss

weeklypaymiss	lastjobtenmiss		Total
	0	1	
0	10,685	658	11,343
1	684	829	1,513
Total	11,369	1,487	12,856

Notes: Pearson chi2(1) = 3.1e+03   Pr = 0.000

Sensitivity Tests of Validation Logistic Regressions on Enrollment: To test the possibility of instability in our validation results due to this significant correlation, we replicated and compared our final validation regressions, on both the potential enrollees and the potential plus possibly potential enrollees with several alternative specifications: a) including both dummy variables (or original specification), b) deleting the lastjobtenmiss dummy variable, and c) including both dummy variables as well as the variable for years of tenure in last job (LAST_JOB_TNR_YRS) which had been included in some of our original test regressions but dropped due to high p-values for this variable.

Table C-2. Logistic regressions of enrollment including both weeklypaymiss and lastjobtenmiss (Regression a)

Variable name	Potential and possibly potential enrollees (n=8,535)		Potential enrollees only (n=7,512)	
	Coefficient	Prob.	Coefficient	Prob.
recruitlag	-0.0007	0.610	0.0033	0.043
recruitlag^2	-1.8E-07	0.957	-1.1E-05	0.040
FEM	-0.1457	0.018	-0.1753	0.007
SSIinRecruit	-0.7711	0.072	-0.8263	0.051
SSDIinRecruit	-0.2042	0.327	-0.2933	0.142
CountyWageGrowth	0.0309	0.023	0.0410	0.002
WORKPOTENTIAL	0.1583	0.028	0.1381	0.049
HighestSchoolGrade	0.0278	0.013	0.0271	0.024
PctUnempl	0.0145	0.025	0.0145	0.025
WEEKLY_PAY1	-0.0004	0.001	-0.0004	<0.001
weeklypaymiss	-0.2738	0.028	-0.2866	0.017
lastjobtenmiss	0.2008	0.008	0.2230	0.006
Constant	-1.4737	<0.001	-1.4508	<0.001

Table C-3. Logistic regression of enrollment removing lastjobtenmiss (Regression b)

Variable name	Potential and possibly potential enrollees (n=8,535)		Potential enrollees only (n=7,512)	
	Coefficient	Prob.	Coefficient	Prob.
recruitlag	-0.0008	0.530	0.0031	0.053
recruitlag^2	1.5E-07	0.964	-1.0E-05	0.043
FEM	-0.1505	0.013	-0.1812	0.005
SSIinRecruit	-0.7662	0.075	-0.8170	0.055
SSDIinRecruit	-0.2057	0.322	-0.2970	0.137
CountyWageGrowth	0.0312	0.022	0.0416	0.002
WORKPOTENTIAL	0.1606	0.027	0.1406	0.047
HighestSchoolGrade	0.0255	0.021	0.0244	0.038
PctUnempl	0.0147	0.024	0.0146	0.024
WEEKLY_PAY1	-0.0004	0.001	-0.0004	<0.001
weeklypaymiss	-0.1796	0.140	-0.1864	0.116
Constant	-1.4203	<0.001	-1.3875	<0.001

Westat®

Table C-4. **Logistic regression including LAST_JOB_TNR_YRS (Regression c)**

Variable name	Potential and possibly potential enrollees (n=8,535)		Potential enrollees only (n=7,512)	
	Coefficient	Prob.	Coefficient	Prob.
recruitlag	-0.0007	0.598	0.0033	0.042
recruitlag²	-1.5E-07	0.965	-1.1E-05	0.037
FEM	-0.1446	0.019	-0.1742	0.008
SSIinRecruit	-0.7811	0.070	-0.8362	0.050
SSDIinRecruit	-0.1895	0.363	-0.2795	0.159
CountyWageGrowth	0.0306	0.024	0.0408	0.002
WORKPOTENTIAL	0.1557	0.030	0.1361	0.052
HighestSchoolGrade	0.0277	0.013	0.0270	0.023
PctUnempl	0.0146	0.026	0.0146	0.026
WEEKLY_PAY1	-0.0003	0.002	-0.0004	<0.001
weeklypaymiss	-0.2554	0.043	-0.2667	0.028
LAST_JOB_TNR_YRS	-0.0124	0.087	-0.0130	0.077
lastjobtenmiss	0.1672	0.031	0.1874	0.020
Constant	-1.4535	<0.001	-1.4297	<0.001

Westat®

Appendix D
Sensitivity Tests with Validation Samples for Adding Longer-Term Benefit Receipt Dummy Variables (SSIinLateRecruit, SSDIinLateRecruit) and laterecruit

Table D-1.   Regression results for potential and possibly potential enrollees (n=8,535)

Variable name	Coefficients				Marginal effects			
	Reg 1		Reg 2		Reg 1		Reg 2	
	Coefficient	Prob.	Coefficient	Prob.	dy/dx	Prob.	dy/dx	Prob.
recruitlag	-2.9E-04	0.831	0.001	0.548	-7.3E-05	0.642	2.4E-05	0.867
recruitlag^2	-9.9E-07	0.772	-4.5E-06	0.208	–		–	
FEM	-0.144	0.018	-0.145	0.018	-0.025	0.020	-0.025	0.020
SSIinRecruit	-0.791	0.064	-0.785	0.068	-0.137	0.066	-0.136	0.069
SSDIinRecruit	-0.223	0.288	-0.217	0.304	-0.039	0.296	-0.038	0.311
SSIinLateRecruit	-0.310	0.061	-0.298	0.070	-0.054	0.064	-0.052	0.073
SSDIinLateRecruit	-0.476	0.004	-0.463	0.005	-0.083	0.004	-0.080	0.005
laterecruit	–		0.154	0.175	–		0.027	0.177
CountyWageGrowth	0.030	0.026	0.019	0.147	0.005	0.026	0.003	0.145
WORKPOTENTIAL	0.163	0.025	0.164	0.025	0.028	0.024	0.028	0.024
HighestSchoolGrade	0.029	0.010	0.029	0.011	0.005	0.008	0.005	0.008
PctUnempl	0.015	0.028	0.014	0.028	0.003	0.025	0.002	0.025
WEEKLY_PAY1	-3.4E-04	0.001	-3.4E-04	0.001	-5.9E-05	0.001	-5.9E-05	0.001
weeklypaymiss	-0.269	0.029	-0.268	0.031	-0.047	0.033	-0.046	0.035
lastjobtenmiss	0.191	0.011	0.183	0.018	0.033	0.009	0.032	0.014
Constant	-1.491	<0.001	-1.559	<0.001	–		–	

Table D-2.   Regression results for potential enrollees (n=7,512)

Variable name	Coefficients				Marginal effects			
	Reg 1		Reg 2		Reg 1		Reg 2	
	Coefficient	Prob.	Coefficient	Prob	dy/dx	Prob.	dy/dx	Prob
recruitlag	0.004	0.029	0.004	0.038	4.0E-04	0.028	4.3E-04	0.032
recruitlag^2	-1.2E-05	0.039	-1.3E-05	0.059	–		–	
FEM	-0.174	0.008	-0.174	0.008	-0.033	0.008	-0.033	0.008
SSIinRecruit	-0.849	0.044	-0.847	0.046	-0.160	0.046	-0.160	0.047
SSDIinRecruit	-0.313	0.120	-0.312	0.122	-0.059	0.125	-0.059	0.126
SSIinLateRecruit	-0.366	0.035	-0.363	0.035	-0.069	0.035	-0.068	0.035
SSDIinLateRecruit	-0.516	0.001	-0.513	0.001	-0.097	0.001	-0.097	0.001
laterecruit	–		0.031	0.796	–		0.006	0.796
CountyWageGrowth	0.041	0.002	0.038	0.002	0.008	0.002	0.007	0.001
WORKPOTENTIAL	0.142	0.045	0.142	0.046	0.027	0.046	0.027	0.047
HighestSchoolGrade	0.028	0.018	0.028	0.018	0.005	0.015	0.005	0.016
PctUnempl	0.014	0.028	0.014	0.029	0.003	0.025	0.003	0.025
WEEKLY_PAY1	-3.9E-04	<0.001	-3.9E-04	<0.001	-7.3E-05	<0.001	-7.3E-05	<0.001
weeklypaymiss	-0.282	0.019	-0.281	0.019	-0.053	0.020	-0.053	0.020
lastjobtenmiss	0.214	0.008	0.212	0.010	0.040	0.006	0.040	0.008
Constant	-1.469	<0.001	-1.484	<0.001	–		–	

Westat®

Appendix E
Modified Regressions Used in Targeting Illustrations

Table E-1. Regression results of modified regressions used in targeting illustrations

Variable name	Potential and possibly potential enrollees (n=8,535)		Potential enrollees only (n=7,512)	
	Coefficient	Prob.	Coefficient	Prob.
recruitlag	-0.0007	0.589	0.0032	0.046
recruitlagsq	-6.6E-08	0.984	-1.1E-05	0.041
FEM	-0.1406	0.021	-0.1690	0.009
CountyWageGrowth	0.0313	0.022	0.0416	0.002
WORKPOTENTIAL	0.1567	0.029	0.1367	0.049
HighestSchoolGrade	0.0281	0.012	0.0272	0.023
PctUnempl	0.0143	0.029	0.0142	0.029
WEEKLY_PAY1	-0.0004	0.001	-0.0004	<0.001
weeklypaymiss	-0.2770	0.025	-0.2911	0.015
lastjobtenmiss	0.1995	0.008	0.2209	0.006
Constant	-1.4834	<0.001	-1.4583	<0.001

Westat