Online Appendix

The Rise in Occupational Coding Mismatches and Occupational Mobility, 1991–2020

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Table A.1: Descriptive Statistics

	I. Backwardly Linked Sample	II. Forwardly Linked Sample
Observation	369,016	362,245
Continuously Employed	342,616	336,201
Age	42.9	43.0
Log Hourly Wage[a]	2.829	2.859
% Women	48.3	48.3
% Race/Ethnicity		
- White	76.1	75.7
- Black	9.9	9.9
- Asian	4.2	4.3
- Hispanic	8.7	9.0
- Other	1.1	1.1
% Education		
- Less than High School	7.1	6.9
- High School Graduate	30.0	29.3
- Some College	27.8	28.0
- Bachelor's Degree	35.0	35.8
% Currently Married	64.0	63.6
% FTFY[b]	84.4	84.4
% 1-digit Occupation[b]		
- Executive/Administrative/Managerial	11.2	11.4
- Management Related	4.8	4.9
- Professional Specialty	20.4	20.7
- Technicians and Related Support	3.7	3.8
- Sales	9.2	9.1
- Administrative Support	15.5	15.3
- Service	11.8	11.8
- Operator/Fabricator/Laborer	11.2	11.0
- Other	12.2	12.0
% Proxy Interview		
- None	38.2	38.6
- First Survey	12.9	12.5
- Second Survey	12.3	12.0
- Both Surveys	36.6	36.9

Note: Age, log hourly wage, FTFY, and 1-digit occupation are from the second survey in mini-panels of the linked CPS-ASEC. FTFY refers to working full-time/full-year, working at least 50 weeks per year and 35 hours per week. All other variables are from the first survey. Longitudinal weights are applied.

[a] Samples limited to continuously employed outgoing rotation group.

[b] Samples limited to continuously employed.

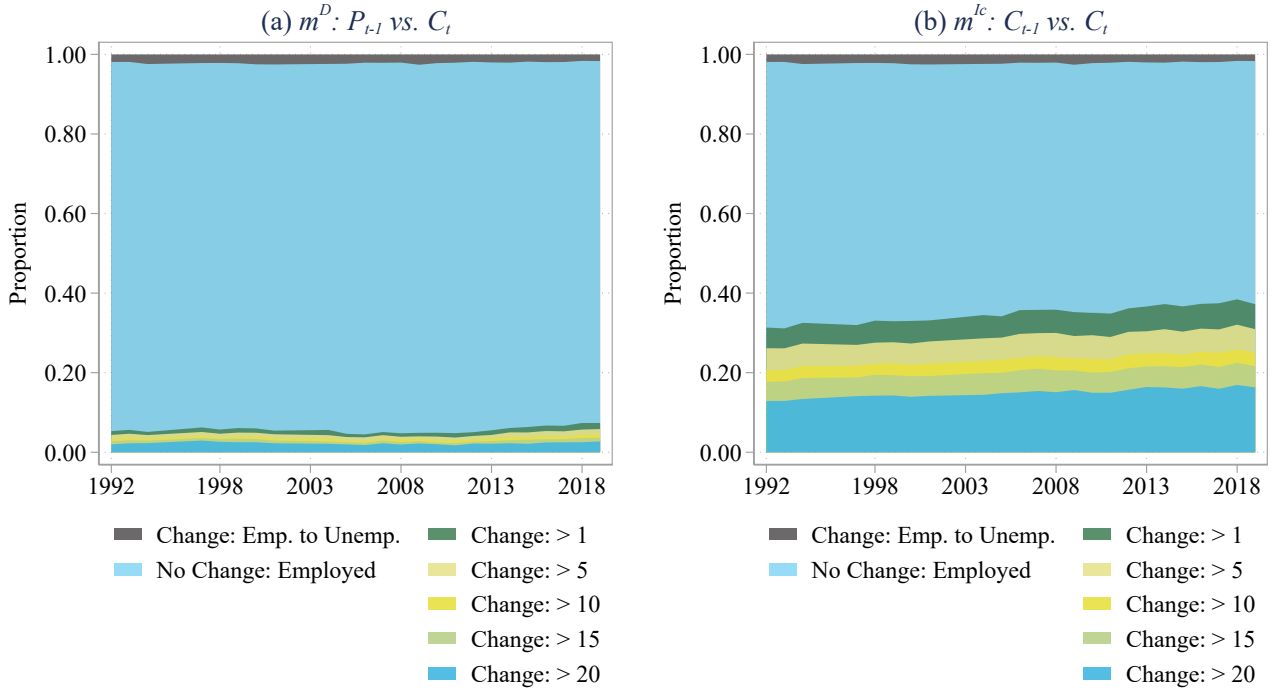
Table A.2: LPM Estimates of Occupational Mobility in 3-digit Occupation

	m^D	m^{Ic}	$m^{D'}$	m^{Ip}
Time (1992 = 0)	0.001***	0.003***	0.001***	0.004***
	(0.000)	(0.000)	(0.000)	(0.000)
1-digit Occupation				
(ref. Executive/Administrative/Managerial)				
- Management Related	0.012***	−0.007	0.011***	−0.003
	(0.002)	(0.005)	(0.003)	(0.005)
- Professional Specialty	−0.007***	−0.162***	−0.003	−0.146***
	(0.002)	(0.003)	(0.002)	(0.003)
- Technicians and Related Support	0.011***	−0.087***	0.005	−0.066***
	(0.003)	(0.005)	(0.003)	(0.005)
- Sales	0.033***	−0.067***	0.035***	−0.057***
	(0.002)	(0.004)	(0.002)	(0.004)
- Administrative Support	0.017***	0.034***	0.023***	0.046***
	(0.002)	(0.003)	(0.002)	(0.003)
- Service	0.008***	−0.169***	0.020***	−0.141***
	(0.002)	(0.004)	(0.002)	(0.004)
- Operator/Fabricator/Laborer	0.018***	−0.045***	0.023***	−0.030***
	(0.002)	(0.004)	(0.002)	(0.004)
- Other	0.010***	−0.061***	0.010***	−0.044***
	(0.002)	(0.004)	(0.002)	(0.004)
Proxy Interview (ref. None)				
- First Survey		0.040***	0.007***	0.043***
		(0.003)	(0.001)	(0.003)
- Second Survey	0.007***	0.041***		0.045***
	(0.001)	(0.003)		(0.003)
- Both Surveys		0.017***		0.021***
		(0.002)		(0.002)
Imputed Work Hours				
- Weekly Work Hours	0.003	0.024**	0.012*	0.012
	(0.005)	(0.009)	(0.005)	(0.009)
- Weeks Worked	0.004	0.065***	0.010	0.080***
	(0.006)	(0.011)	(0.006)	(0.011)
Women	0.005***	−0.008***	0.008***	−0.003
	(0.001)	(0.002)	(0.001)	(0.002)
Age (ref. 25-34)				
- 35-44	−0.023***	−0.028***	−0.036***	−0.033***
	(0.001)	(0.002)	(0.001)	(0.002)
- 45-54	−0.034***	−0.045***	−0.047***	−0.049***
	(0.001)	(0.002)	(0.001)	(0.002)
- 55-64	−0.040***	−0.053***	−0.057***	−0.060***
	(0.001)	(0.003)	(0.002)	(0.003)
Race/Ethnicity (ref. White)				
- Black	0.027***	0.040***	0.030***	0.061***
	(0.002)	(0.003)	(0.002)	(0.003)

- Asian	0.003	0.018***	0.005*	0.020***
	(0.002)	(0.004)	(0.002)	(0.004)
- Hispanic	−0.008***	0.026***	−0.002	0.024***
	(0.002)	(0.003)	(0.002)	(0.003)
- Other	0.015***	0.024**	0.004	0.031***
	(0.004)	(0.008)	(0.005)	(0.008)
Education (ref. LTHS)				
- HSG	−0.008***	0.012***	−0.020***	0.001
	(0.002)	(0.004)	(0.002)	(0.004)
- SC	−0.003	0.013***	−0.016***	0.001
	(0.002)	(0.004)	(0.002)	(0.004)
- BA+	−0.012***	−0.007	−0.023***	−0.021***
	(0.002)	(0.004)	(0.002)	(0.004)
Marital Status (ref. Never Married Single)				
- Currently Married	−0.011***	−0.035***	−0.014***	−0.037***
	(0.001)	(0.002)	(0.001)	(0.002)
- Separated/Divorced/Widowed	0.006***	−0.015***	0.004*	−0.011***
	(0.002)	(0.003)	(0.002)	(0.003)
Metro Status	−0.008***	0.011***	−0.007***	0.005*
	(0.001)	(0.002)	(0.001)	(0.002)
Census Region Division (ref. New England)				
- Middle Atlantic	−0.004	−0.002	−0.000	0.001
	(0.002)	(0.004)	(0.002)	(0.004)
- East North Central	−0.006**	0.009*	−0.005*	−0.001
	(0.002)	(0.004)	(0.002)	(0.004)
- West North Central	−0.001	0.000	−0.001	−0.005
	(0.002)	(0.005)	(0.003)	(0.005)
- South Atlantic	−0.002	0.012**	0.002	0.010*
	(0.002)	(0.004)	(0.002)	(0.004)
- East South Central	−0.004	0.003	0.002	0.008
	(0.003)	(0.005)	(0.003)	(0.005)
- West South Central	−0.003	0.021***	0.003	0.014**
	(0.002)	(0.004)	(0.003)	(0.005)
- Mountain	0.002	0.027***	0.009**	0.025***
	(0.003)	(0.005)	(0.003)	(0.005)
- Pacific	−0.006**	0.005	−0.008**	−0.003
	(0.002)	(0.004)	(0.002)	(0.004)
Constant	0.095***	0.476***	0.124***	0.501***
	(0.003)	(0.007)	(0.004)	(0.007)
Observations	342,616	342,616	336,201	336,201
R^2	0.009	0.030	0.012	0.030

Note: Samples are limited to continuously employed individuals. m^{Ic} refers to the mobility between current occupations in two adjacent years; m^{D} and $m^{RC\prime}$ to the mobility between the main occupation in the past year and the current occupation–the former in the backwardly linked sample and the latter in the forwardly linked sample; and $m^{D'}$ to the mobility comparing the main occupations in the past year between two adjacent years. "Other" category of 1-digit occupation includes Farming/Forestry/Fishing/Production/Craft/Repair. Robust standard errors are in parentheses. Longitudinal weights are applied.
$^{*}p < 0.05$, $^{**}p < 0.01$, $^{***}p < 0.001$ (two-tailed tests)

I. Backwardly Linked Sample: $t-1$ Year Rotation Group



II. Forwardly Linked Sample: t Year Rotation Group

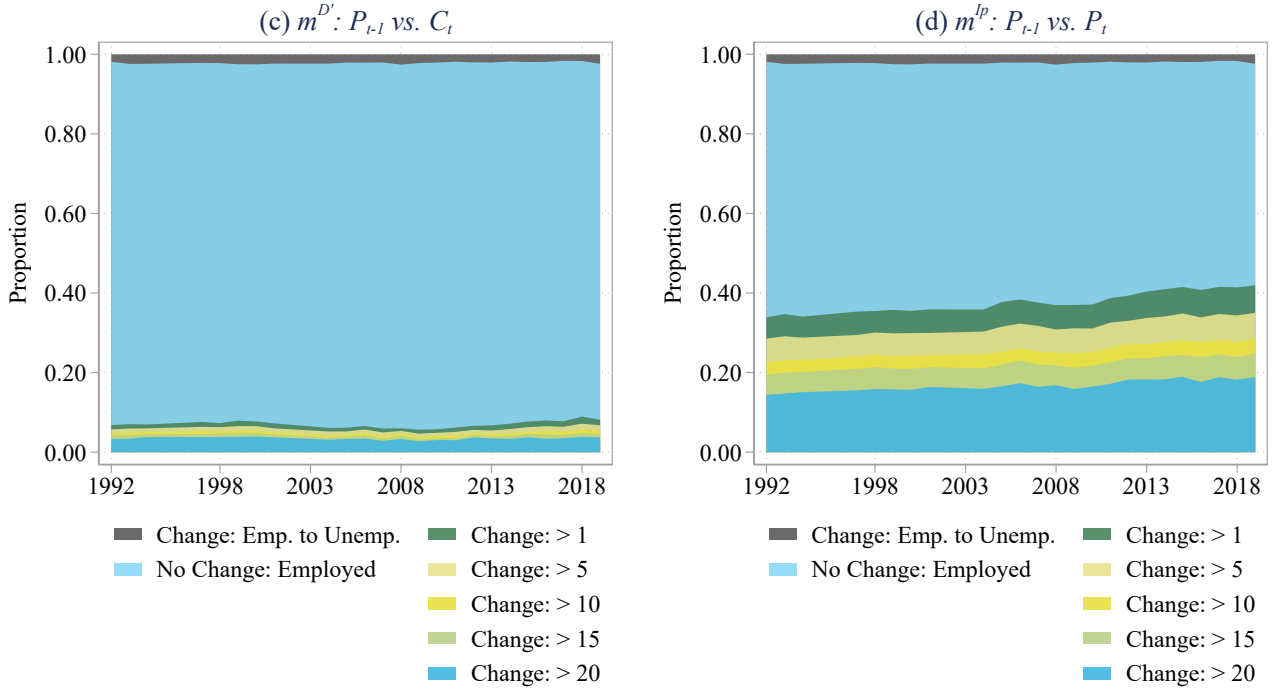
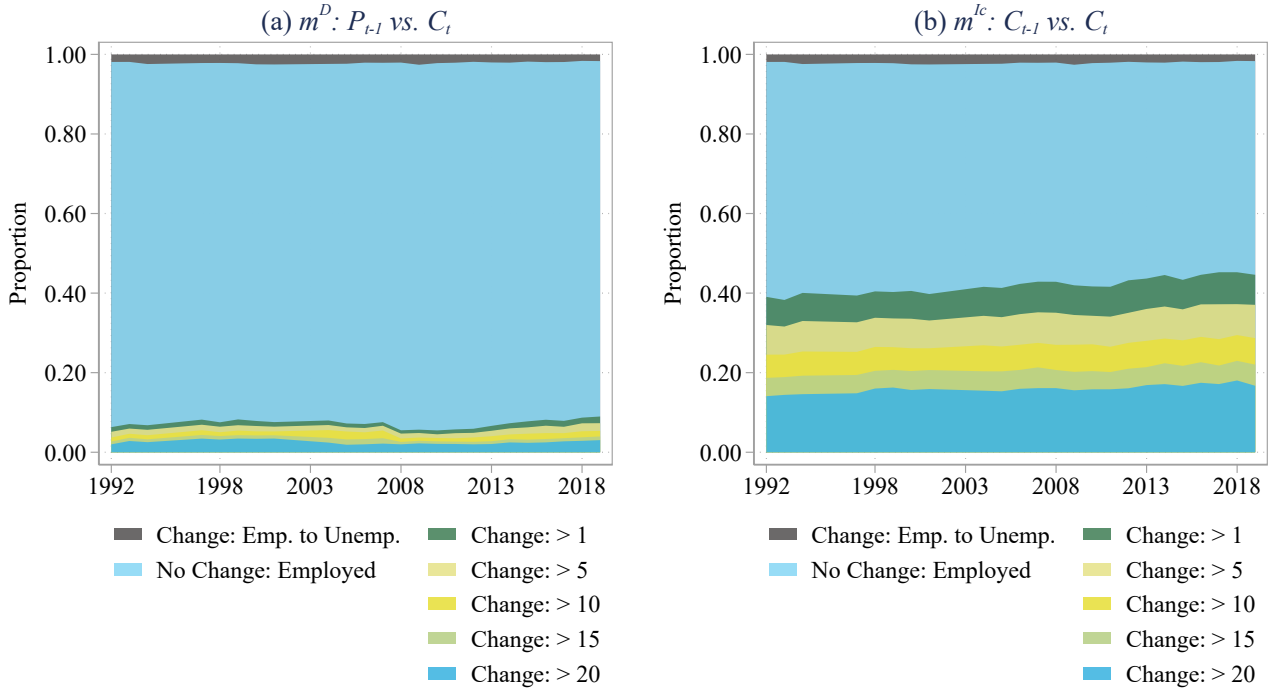


Figure A.1: Changes in Occupational Status Based on the Duncan SEI (Duncan, 1961)

I. Backwardly Linked Sample: $t-1$ Year Rotation Group



II. Forwardly Linked Sample: t Year Rotation Group

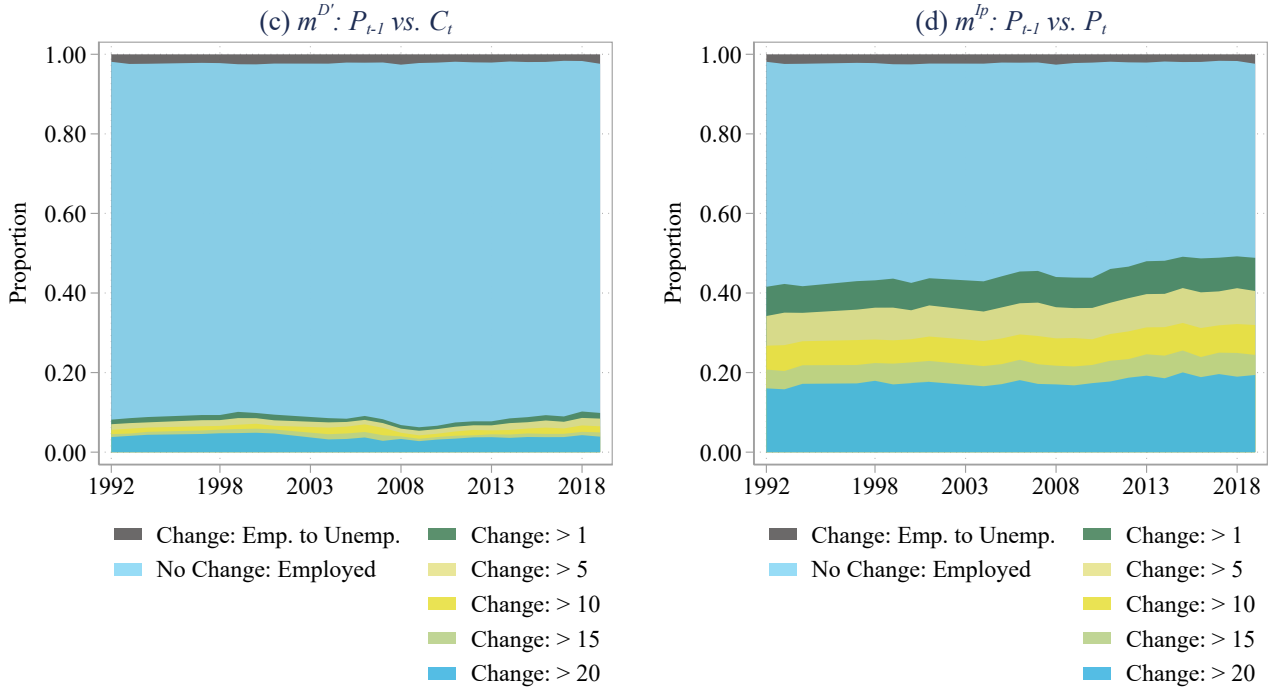
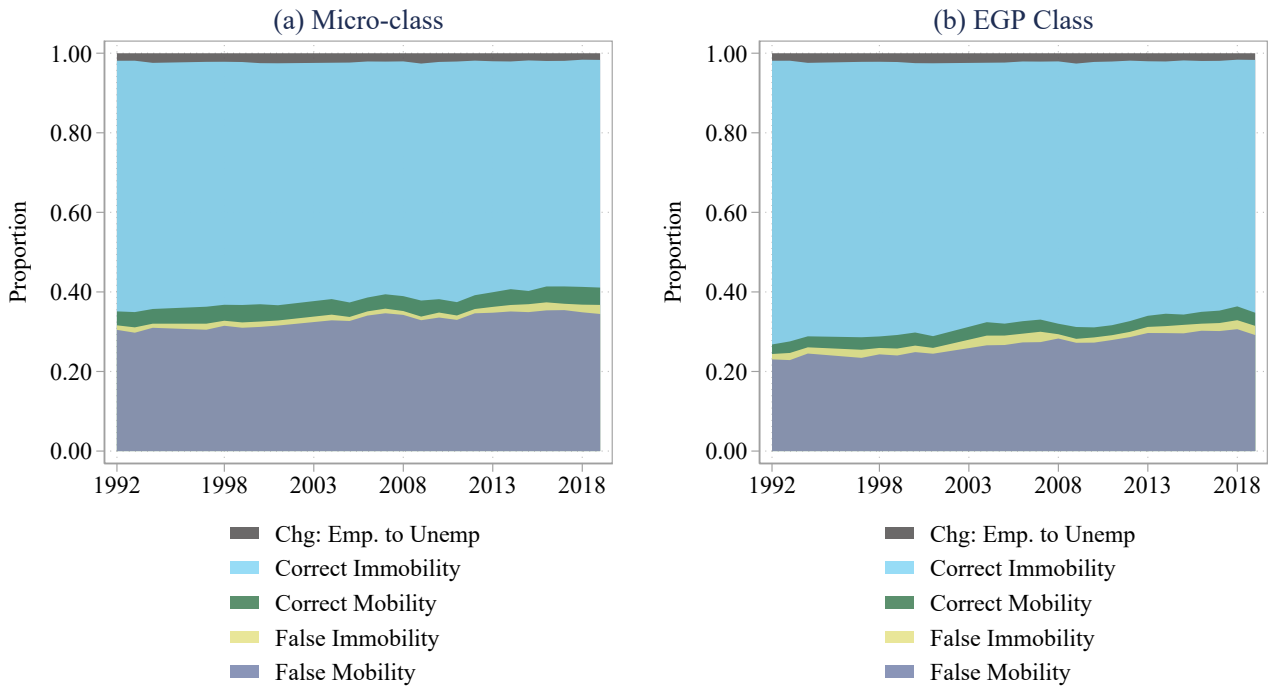


Figure A.2: Changes in Occupational Status Based on the Occupational Percentile Rank (Song and Xie, 2023)

I. Backwardly Linked Sample: $t-1$ Year Rotation Group



II. Forwardly Linked Sample: t Year Rotation Group

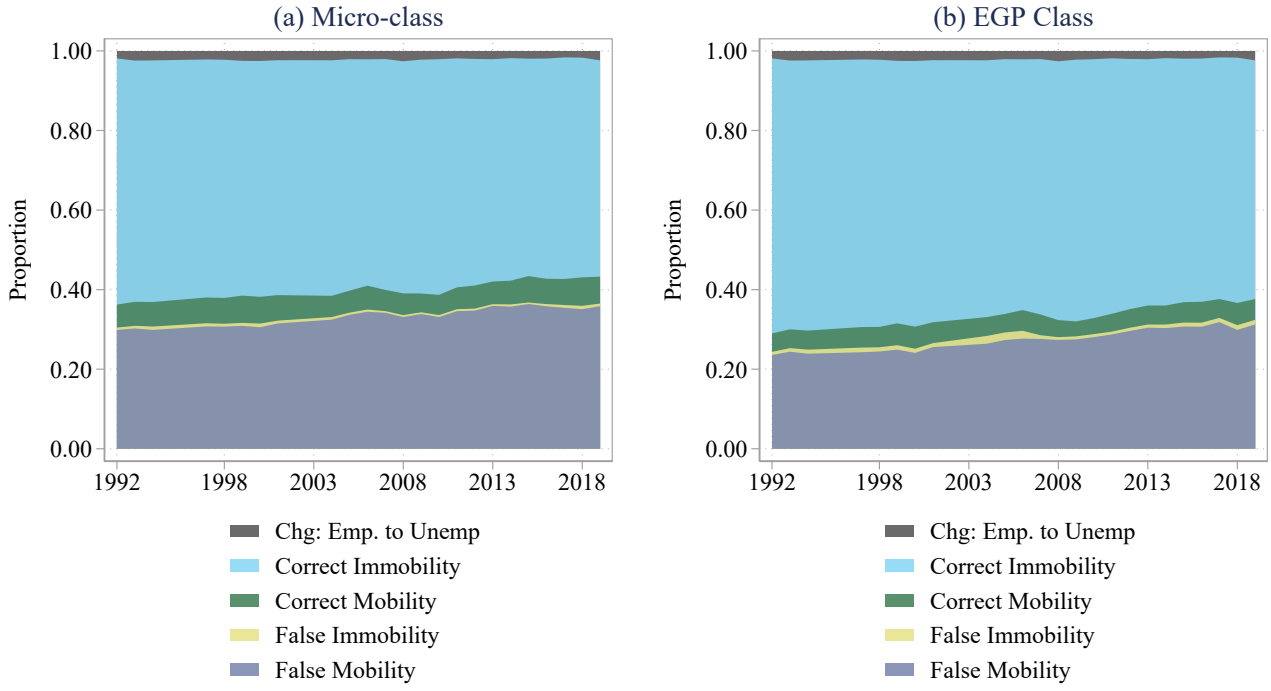
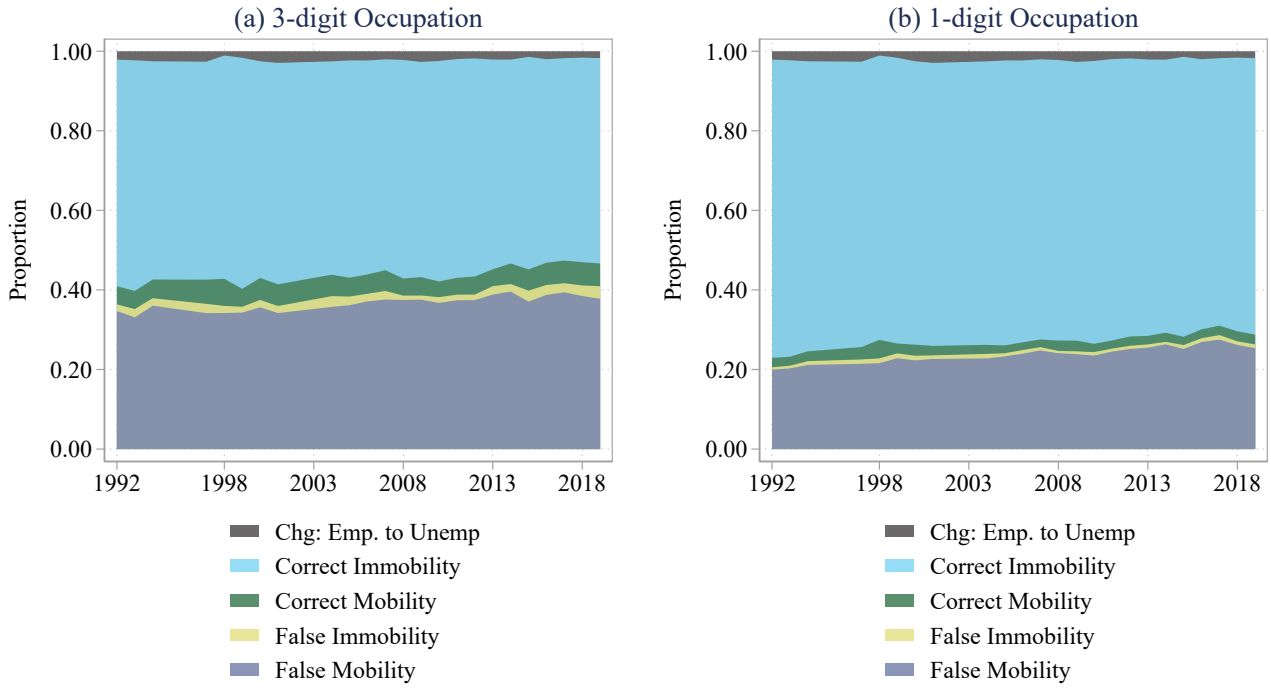


Figure A.3: Mobility Estimates, Assuming That the Dependent Coding is Correct: Micro-class (Weeden and Grusky 2005) and EGP Class (Erikson et al. 1997)

I. Backwardly Linked Sample: $t-1$ Year Rotation Group



II. Forwardly Linked Sample: t Year Rotation Group

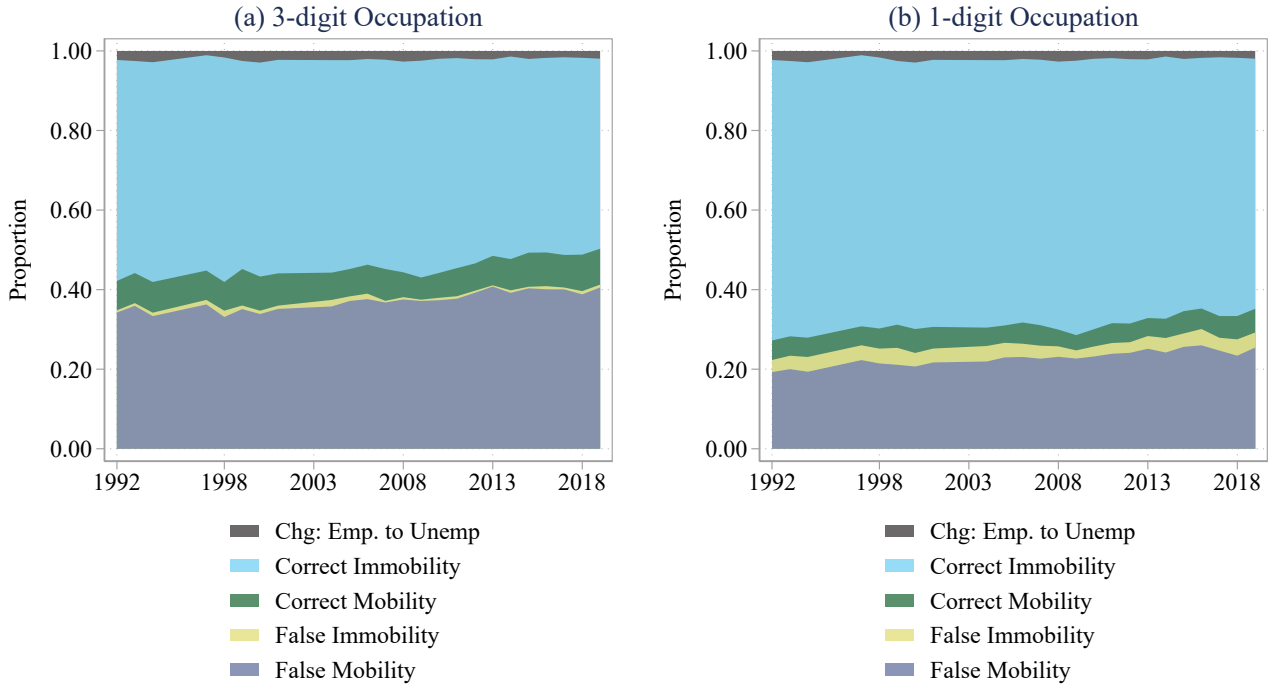


Figure A.4: Mobility Estimates, Assuming That the Dependent Coding is Correct: Without Proxy Respondents