

# Supplement to "Bounds On Treatment Effects On Transitions"

## Online Appendix B: Heterogeneous effects

Table B.1: Bounds on  $ATE_{TS}^{1,0}$  for the Illinois job bonus experiment. Heterogenous effects for blacks and non-blacks

<b>Panel A: Blacks</b>								
Week	No assumption bounds				MTR+CS+PCO			
	Lower- CI (1)	LB (2)	UB (3)	Upper- CI (4)	Lower- CI (1)	LB (2)	UB (3)	Upper- CI (4)
1-2	-0.006	0.021	0.021	0.049	0.000	0.021	0.021	0.043
3-4	-0.124	-0.111	0.059	0.071	-0.012	0.005	0.028	0.044
5-6	-0.180	-0.167	0.058	0.070	-0.004	0.015	0.043	0.062
7-8	-0.243	-0.230	0.044	0.057	-0.007	0.010	0.044	0.061
9-10	-0.290	-0.277	0.048	0.060	-0.005	0.012	0.048	0.064
11-12	-0.352	-0.342	0.030	0.040	-0.013	0.001	0.030	0.044
13-14	-0.395	-0.384	0.032	0.043	-0.012	0.002	0.032	0.045
15-16	-0.449	-0.439	0.025	0.035	-0.020	-0.007	0.025	0.037
17-18	-0.496	-0.485	0.028	0.039	-0.021	-0.007	0.028	0.042
19-20	-0.532	-0.520	0.037	0.049	-0.007	0.010	0.037	0.053
21-22	-0.605	-0.596	0.019	0.029	-0.028	-0.016	0.019	0.031
23-24	-0.635	-0.623	0.039	0.051	-0.011	0.006	0.039	0.055
	PCO [C]				MTR+CS+PCO [D]			
<b>Panel B: Non-blacks</b>								
Week	No assumption bounds				MTR+CS+PCO			
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
1-2	0.005	0.022	0.022	0.040	0.009	0.022	0.022	0.035
3-4	-0.158	-0.148	0.106	0.116	0.002	0.016	0.040	0.053
5-6	-0.293	-0.284	0.080	0.090	-0.010	0.003	0.044	0.058
7-8	-0.392	-0.382	0.090	0.100	0.003	0.017	0.062	0.076
9-10	-0.523	-0.513	0.077	0.087	0.001	0.011	0.074	0.086
11-12	-0.639	-0.629	0.075	0.085	0.006	0.015	0.075	0.087
13-14	-0.773	-0.763	0.066	0.076	-0.006	0.004	0.066	0.077
15-16	-0.889	-0.879	0.062	0.071	0.003	0.013	0.062	0.072
17-18	-0.991	-0.942	0.058	0.068	0.000	0.010	0.058	0.069
19-20	-1.002	-0.946	0.054	0.064	-0.013	-0.003	0.054	0.064
21-22	-1.002	-0.940	0.060	0.071	-0.024	-0.013	0.060	0.073
23-24	-1.008	-0.936	0.064	0.076	-0.011	0.001	0.064	0.079

Notes: CI is 95% confidence intervals. Variances and covariances used to obtain the CI are estimated using bootstrap (399 replications).

Table B.2: Bounds on  $ATE_{TS}^{1,0}$  for the Illinois job bonus experiment. Heterogenous effects for low and high income workers

<b>Panel A: Below median income</b>								
Week	No assumption bounds				MTR+CS+PCO			
	Lower- CI	LB	UB	Upper- CI	Lower- CI	LB	UB	Upper- CI
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
1-2	-0.006	0.016	0.016	0.038	-0.001	0.016	0.016	0.032
3-4	-0.172	-0.161	0.089	0.100	-0.002	0.013	0.030	0.044
5-6	-0.285	-0.274	0.067	0.078	-0.012	0.002	0.033	0.047
7-8	-0.355	-0.344	0.080	0.091	0.009	0.024	0.057	0.072
9-10	-0.461	-0.450	0.067	0.078	0.003	0.014	0.067	0.080
11-12	-0.568	-0.558	0.050	0.060	-0.010	0.000	0.050	0.062
13-14	-0.644	-0.634	0.047	0.056	-0.001	0.008	0.047	0.058
15-16	-0.727	-0.717	0.041	0.051	-0.009	0.001	0.041	0.052
17-18	-0.802	-0.792	0.040	0.050	-0.008	0.002	0.040	0.051
19-20	-0.883	-0.869	0.049	0.063	-0.008	0.003	0.049	0.062
21-22	-1.021	-0.959	0.041	0.053	-0.024	-0.014	0.041	0.053
23-24	-1.015	-0.958	0.042	0.053	-0.021	-0.010	0.042	0.055
	PCO [C]				MTR+CS+PCO [D]			
<b>Panel B: Above median income</b>								
Week	No assumption bounds				MTR+CS+PCO			
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
1-2	0.010	0.028	0.028	0.047	0.014	0.028	0.028	0.043
3-4	-0.125	-0.113	0.099	0.111	0.001	0.015	0.045	0.059
5-6	-0.238	-0.227	0.081	0.092	-0.002	0.012	0.059	0.073
7-8	-0.342	-0.331	0.076	0.087	-0.003	0.008	0.068	0.000
9-10	-0.447	-0.435	0.070	0.082	-0.002	0.010	0.070	0.084
11-12	-0.535	-0.524	0.074	0.086	0.012	0.024	0.074	0.089
13-14	-0.666	-0.653	0.066	0.078	-0.012	0.000	0.066	0.080
15-16	-0.772	-0.760	0.060	0.072	0.003	0.015	0.060	0.072
17-18	-0.881	-0.870	0.058	0.070	-0.003	0.009	0.058	0.070
19-20	-1.008	-0.952	0.048	0.059	-0.010	0.000	0.048	0.058
21-22	-1.010	-0.947	0.053	0.065	-0.024	-0.013	0.053	0.065
23-24	-0.999	-0.929	0.071	0.086	0.004	0.018	0.071	0.086

Notes: CI is 95% confidence intervals. Variances and covariances used to obtain the CI are estimated using bootstrap (399 replications).