Eviction and Poverty in American Cities: Replication Package

This memo provides an overview of the code for replicating the analysis in ``Eviction and Poverty in American Cities.'' by Robert Collinson (rcollin8@nd.edu), John Eric Humphries (johneric.humphries@yale.edu), Nicholas S. Mader (nmader@chapinhall.org), Davin K. Reed (davinkr@gmail.com), Daniel I. Tannenbaum (dtannenbaum@unl.edu), and Winnie van Dijk (winnie_vandijk@fas.harvard.edu). Due to data confidentiality laws and agreements, we are not able to provide microdata. We certify that we, the authors of the manuscript, have legitimate access to and permission to use the data used in this manuscript.

Disclaimers and Acknowledgments:

The Census Bureau's Disclosure Review Board and Disclosure Avoidance Officers have reviewed this information product for unauthorized disclosure of confidential information and have approved the disclosure avoidance practices applied to this release. This research was performed at a Federal Statistical Research Data Center under FSRDC Project Number 2476 (CBDRB-FY23-P2476-R10555). This research uses data from the Census Bureau's Longitudinal Employer Household Dynamics Program, which was partially supported by the following National Science Foundation Grants SES-9978093, SES-0339191 and ITR-0427889; National Institute on Aging Grant AG018854; and grants from the Alfred P. Sloan Foundation. Parts of the paper this replication is based on were produced from raw data provided by the New York State Department of Health (NYSDOH). However, the conclusions derived, and views expressed herein are those of the author(s) and do not reflect the conclusions or views of NYSDOH. The U.S. Census Bureau has not reviewed the paper for accuracy or reliability and does not endorse its contents. Any conclusions expressed herein are those of the authors and do not necessarily represent the views of the U.S. Census Bureau. All results from FSRDC Project Number 2476 were approved for release by the U.S. Census Bureau, authorization numbers CBDRB-FY20-110, CBDRB-FY20-206, and CBDRB-FY22-072. Code used for the analysis as part of FSRDC Project Number 2476 was released after review under clearance request #10555. The NYC portion of this research was conducted at the Center for Innovation Through Data Intelligence (CIDI). Any views expressed here are not those of CIDI, the Office of Court Administration, the New York City HRA, the Federal Reserve Bank of Philadelphia, or the Federal Reserve System.

OVERVIEW OF THE CODE AND FOLDER STRUCTURE

All code is saved in the folder "*0_Code*". Programs saved in subfolders of "*0_Code",* numbered 1-5, rely on confidential microdata that we cannot provide under our data-sharing agreements. These programs are included to document our analysis, but cannot be run. Programs saved in the subfolder numbered 6 ("*0_Code**6_format_output*\") combine and format estimates created in the subfolders numbered 1-5 and produce the tables and figures from the paper and its appendix. Programs in this subfolder can be run using the provided estimates. Raw estimates are saved in "*1_Inputs*". Intermediate output made by the programs in the folder *6_format_output* are saved in "*2_Intermediate*"; and all outputs (figures and tables) from the programs in the folder "*6_format_output"* are saved in "*3_Outputs*".

For the underlying courts data used for this project, you may contact the Circuit Court of Cook County and the New York State Office of Court Administration (OCA). Additional court data was purchased from Record Information Services for Illinois. Data from Experian was matched to court records in Cook County and New York. Data on address histories from Infutor were matched to court records in New York. Court records for Illinois were matched by the Census to anonymous identifiers, which were then used to link to the various data sets held by the Census including Census surveys, address histories, and Cook County Homeless Management Information System (HMIS) records. The HMIS records were provided by AllChicago. Data on benefits receipt and data from New York's HMIS were matched at New York City's Center for Innovation through Data Intelligence (CIDI). New York earnings and employment records were linked to the NYC sample by the New York State Department of Labor. Please contact the authors for more details.

MAPPING OF TABLES AND FIGURES TO PROGRAMS

MAIN PAPER

Tables 1-3: analysis code saved in "*0_Code**1_sumstats_balance_fs*\"; code used to format output are programs 1-2 saved in "*0_Code**6_format_output*\".

Tables 4-8: analysis code saved in "*0_Code**3_regressions_ivols\"*; code used to format output are programs 0 and 3 saved in "*0_Code**6_format_output*\" (program 0 consolidates estimates, and program 3 creates tables).

Figure 1: no code used to create this figure.

Figures 2-4: analysis code saved in "*0_Code**2_regressions_eventstudy*\"; code used to format output are programs 4 (to consolidate estimates) and 5 (to create figures) saved in "*0_Code**6_format_output*\".

Figure 5: created directly from raw data, code saved in "*\0_Code\5_other_analysis\NY_Figure_5.R*" and "*\0_Code\5_other_analysis\Cook_Figure_5.R*".

Figure 6: plots results from Tables 4-8; code used to format output are programs 4 (to consolidate estimates) and 5 (to create figures) saved in "*\0_Code\6_format_output*".

APPENDIX A

Table A.1: no code used to create this table.

APPENDIX B

Figures B.1-B.3: no code used to create these figures.

APPENDIX C

Table C.1: created directly from raw data, code saved in "*\0_Code\5_other_analysis\Cook_Tables_C1_G6_G9_G11_G14_G15.do*".

Table C.2: no code used to create this table.

Table C.3: created directly from raw data, code saved in "*\0_Code\5_other_analysis\NY_Table_C3.do*"

Table C.4: no code used to create this table.

Tables C.5 and C.6: analysis code saved in "*\0_Code\1_sumstats_balance_fs*" and in "*\0_Code\3_regressions_ivols\"*; code used to format output are programs 0 (to consolidate estimates) and 6 (to create tables), saved in "*\0_Code\6_format_output*".

Figure C.1: analysis code saved in "*\0_Code\2_regressions_eventstudy*"; code used to format output are programs 4 (to consolidate estimates) and 5 (to create figure) saved in "*\0_Code\6_format_output*".

APPENDIX D

Tables D.1-D.5: analysis code saved in "*\0_Code\5_other_analysis*"; code used to format output are programs 7 and 8 saved in "*\0_Code\6_format_output*".

Table D.6: no code used to create this table; created manually using 2016 New York housing court sample (see table footnote for more detail).

APPENDIX E

Figures E.1-E.3: analysis code saved in "*\0_Code\2_regressions_eventstudy*"; code used to format output are programs 4 (to consolidate estimates) and 5 (to create figures) saved in "*\0_Code\6_format_output*".

APPENDIX F

Table F.1: analysis code saved in "*\0_Code\1_sumstats_balance_fs*"; code used to format output is program 9 saved in "*\0_Code\6_format_output*".

Figures F.1-F.2: analysis code saved in "*\0_Code\5_other_analysis*"; code used to format output are programs 4 (to consolidate estimates) and 5 (to create figures) saved in "*\0_Code\6_format_output*".

APPENDIX G

Tables G.1-G.4: analysis code saved in "*\0_Code\1_sumstats_balance_fs*" and in "*\0_Code\5_other_analysis\";* code used to format output are programs 10 and 11 saved in "*\0_Code\6_format_output*".

Table G.5: analysis code saved in "*\0_Code\3_regressions_ivols\";* code used to format output are programs 0 and 12 saved in "*\0_Code\6_format_output*" (program 0 consolidates estimates, and program 12 creates tables).

Tables G.6: created directly from raw data, analysis code saved in "*\0_Code\5_other_analysis\Cook_Tables_C1_G6_G9_G11_G14_G15.do*".

Table G.7: analysis code saved in "*\0_Code\3_regressions_ivols\";* code used to format output is program 13 saved in "*\0_Code\6_format_output*".

Table G.8: created directly from raw data, code saved in "*\0_Code\5_other_analysis\NY_Table_G8.do*".

Tables G.9: created directly from raw data, analysis code saved in "*\0_Code\5_other_analysis\Cook_Tables_C1_G6_G9_G11_G14_G15.do*"

Table G.10: analysis code saved in "*0_Code**3_regressions_ivols* \"*;* code used to format output is program 14 saved in "*0_Code**6_format_output*\".

Tables G.11: created directly from raw data, analysis code saved in "*0_Code**5_other_analysis**Cook_Tables_C1_G6_G9_G11_G14_G15.do*"

Table G.12: analysis code saved in "*0_Code**1_sumstats_balance_fs*\"*;* code used to format output is program 15 saved in "*0_Code**6_format_output*\".

Table G.13: analysis code saved in "*0_Code*\5_*other_analysis*\"*;* code used to format output is program 16 saved in "*0_Code**6_format_output*\".

Tables G.14 and G.15: created directly from raw data, analysis code saved in "*0_Code**5_other_analysis**Cook_Tables_C1_G6_G9_G11_G14_G15.do*"

APPENDIX H

Tables H.1-H.14: analysis code saved in "*0_Code**3_regressions_ivols*\"; code used to consolidate estimates and format output are programs 0, 17, 18, 19, 20, 21 saved in "*0_Code**6_format_output*\" (program 0 consolidates estimates, and programs 17-21 create tables).

Tables H.15-H.16: shows observation counts from IV/OLS specifications shown in previous tables; code used to format output are programs 0 and 22 saved in "*0_Code**6_format_output*\" (program 0 consolidates estimates, and program 22 creates tables).

APPENDIX I

Table I.1: analysis code saved in "*0_Code**3_regressions_ivols*\"; code used to format output are programs 0 and 23 saved in "*0_Code**6_format_output*\" (program 0 consolidates estimates, and program 23 creates tables).

Table I.2: is a simulation exercise, code is program 24 saved in "*0_Code**6_format_output*\".

Tables I.3-I.4: analysis code saved in "*0_Code**5_other_analysis*\"; code used to format output is program 25 saved in "*0_Code**6_format_output*\".

APPENDIX J

Tables J.1-J.5: analysis code saved in "*\0_Code\4_regressions_did*"; code used to format output are programs 0 and 26 saved in "*\0_Code\6_format_output*" (program 0 consolidates estimates, and program 26 creates tables).