README

Overview

The code in this replication package constructs the analysis reported in Phillips and Sullivan (2023) and uses data from three sources: the Santa Clara County Homeless Management Information System, an intake survey, and Infutor Data Solutions.

Data Summary: *Public Data*

Intake Survey

Staff completed an intake survey for each participant entering the study that completes random assignment. A de-identified copy of this intake survey is included with this replication package. A crosswalk with linkable IDs is available alongside HMIS data.

scc_hp_part_dh_06212021_deident.csv

Description: deidentified study intake survey

Codebook:

submissiondate - time of study entry

leoid - chronological study ID

treatment_sum - random assignment status; 1 = treatment

eligible_other_funds - indicator for if caseworker expects the person to be eligible for funding from other sources

agency - agency where intake conducted

scc_hp_part_dh_06212021_crosswalk.csv (confidential)

Description: crosswalk between de-identified study intake and HMIS IDs

Codebook:

submissiondate - time of study entry

leoid - chronological study ID

hmis1_tex - HMIS ID

Data Summary: *Confidential Data*

Santa Clara County Homeless Management Information System (*HMIS)*: Santa Clara County provided data on all people assessed for homelessness prevention services from May 2017 to April 2021. These data were obtained through a data use agreement with Santa Clara County. Researchers interested in replicating the study may contact Jazmine Wong at the Santa Clara County Office of Supportive Housing (jazmine.wong@hhs.sccgov.org).

This data includes four different worksheets, all linked by the participant HMIS number, recorded as “ClientsUniqueIdentifier.”

LEO PR-VISPDAT 5.3.2021.xlsx, Programs

Description: list of all HMIS program enrollments for the sample

Codebook

Clients Unique Identifier: HMIS ID

Programs Full Name: Detailed name for particular agency-program combination (e.g. Destination:Home Homelessness Prevention program at Sacred Heart Community Service)

Programs Project Type Code: Broad program type

Enrollments Project Start Date: Date on which client enrolled in this program

Enrollments Project Exit Date: Date on which the client completed contact with this program; missing values could indicate either missing data or continued enrollment

LEO PR-VISPDAT 5.3.2021.xlsx, PRVISPDAT

Description: lists responses to all questions for the baseline assessment for the homelessness prevention program.

Codebook: variables are defined in the first row of the worksheet

LEO PR-VISPDAT 5.3.2021.xlsx, Demographics

Description: lists responses to baseline demographic questions at the time of assessment

Codebook: variables are defined in the first row of the worksheet

HP Services Data.xlsx

Description: list of all financial transactions for the sample

Codebook

Services Name: type of service (only financial included)

Service Expenses Amount: amount paid

Services Service Item Name: category of assistance

Infutor Data Solutions (*Infutor*): HMIS data were matched to Infutor Data Solutions address history data by the research team and Santa Clara County. Infutor data is available to researchers through an existing data-sharing agreement between Notre Dame's Lab for Economic Opportunities and Infutor Data Solutions. Researchers interested in access to the data may contact Infutor Data Solutions to purchase data for academic usage. A copy of the matched Infutor/HMIS data is also available via Santa Clara County.

inf_scc_fuzzymatch_final HP 2.2.2022.dta

Description: file that results from matching the list of all clients assessed for homelessness prevention services to an Infutor extract from December 2021 of all people in the Infutor database who have ever lived in Santa Clara County

Codebook

LEOid - HMIS ID

similscore_first - bigram similarity score between Infutor and HMIS first name

similscore_last - bigram similarity score between Infutor and HMIS last name

SSN_match - indicator for if last 4 digits of SSN matched

Gender_ - gender as defined by Infutor

Deceased_ - deceased flag, as defined by Infutor

City_*, State_*, Zipcode_* Fips_* - address characteristics for most recent 10 addresses from Infutor data

Effective_date_*, Last_verification_* - start and end months for each address from Infutor data

Computational requirements:

- Run on version STATA/SE 17.0
- All computation was completed on standard personal computers running Windows
- The code installs the following user-written commands:
  - estout
  - coefplot
  - cibar

Description of programs/code

Running this code requires access to confidential data listed above.

- Programs in __master__.do:
  - Runs all do files in sequences; creates all tables and figures in both the main manuscript and appendix
  - Before running, make sure to edit the directory definitions at the top of the file to match your machine; these directory definitions are used in all remaining code

- Programs in 0_globals.do
  - defines lists of variables

- Programs in 1_1_assessments.do
  - Cleans raw HMIS assessment data and matches it to the study intake

- Programs in 1_2_enrollments.do
  - Cleans raw HMIS program enrollments to create outcome measures

- Programs in 1_3_lagged.do
  - Cleans raw HMIS enrollments data to make lagged outcomes

- Programs in 1_4_infutor.do
  - Takes raw matched HMIS/Infutor data and creates outcome measures
  - This file relies on output from code that creates the matched HMIS/Infutor data
    - Extract all SCC residents from full Infutor database (inf_make_extract.do and append_states_together.do)
    - Match Infutor extract to HMIS identifying information (inf_processing_extract_20211203.do and infutor_matcher_scc_20211203.do)

- Programs in 1_5_payments.do
  - Cleans raw HMIS payment data to construct outcomes

- Programs in 2_datamaker.do
  - Merges together all datasets that have been made above into a final analysis dataset

- Programs in 3_1_analysis.do
  - Uses final analysis dataset to make all tables and figures in the paper and the appendix (except Figure 2 and Appendix Table A.10)

- Programs in 3_2_het.do
  - Conducts heterogeneous effects analysis
  - Constructs Figure 2 and Appendix Table A.10