The primary purpose of this research which motivates the need for this dataset is to replicate the analysis and validate the findings published last year in the high-visibility, high-impact journal JAMA.

Citation:

> **Kessler R.C.**, Duncan G.J., Gennetian L.A., Katz L.F., Kling J.R., Sampson N.A., Sanbonmatsu L., Zaslavsky A.M., **Ludwig J.** (2014 Mar 5). "Associations of Housing Mobility Interventions for Children in High-Poverty Neighborhoods with Subsequent Mental Disorders during Adolescence." JAMA 311, no. 9 (March 5, 2014): 937–48. doi:10.1001/jama.2014.607.

Specifically, we will

1. Use SAS code (and random seed) shared by Ronald Kessler, to reproduce the imputation of 'PTSD' outcomes in the MTO Final Youth Evaluation, as reported in Kessler RC, Duncan GJ, Gennetian LA, et al. "Associations of Housing Mobility Interventions for Children in High-Poverty Neighborhoods with Subsequent Mental Disorders during Adolescence." *JAMA* 311, no. 9 (March 5, 2014): 937–48. doi:10.1001/jama.2014.607.
2. Verify that the PTSD counts for boys and girls in Table 5 of that article are faithfully reproduced.
3. Repeat Step 1 iteratively to generate an ensemble of imputed 'PTSD' outcomes that abstracts away the arbitrariness of single imputation.
4. Demonstrate that an analysis of the ensemble so generated coincides with a direct analysis of the logit probabilities that were generated in Step 1 as an intermediate of the imputation process (which employed a logistic regression).
5. If access can be obtained to the NCS-R data on which the abovementioned logistic imputation model was developed, a further step of abstraction will be undertaken: this model will be re-estimated with shrinkage to correct for overfitting, and used to repeat steps 3 and 4 above; the predictive performance of this model will also be characterized.
6. Every reasonable effort will be made to publish the results of these replication studies.