

Replication Readme file for Carpenter and Lawler “Direct and Spillover Effects of Middle School Vaccination Requirements,” August 2018

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Included File Inventory and Description:

*Note:* The age-group specific pertussis data file (pert\_2000\_2015.dta) is excluded from the provided data files. Those do-files marked with an \* below will not run without these data. Individuals may request the pertussis incidence data used for these analyses by contacting MVPDB@cdc.gov.

- 1) Master\_do.do: *Sequentially runs the do-files listed below, each of which is described within Master\_do. Running this do-file creates analysis files and replicates all estimates. Tables are labeled within the programs. Run on Stata 14.*
  - a. policy\_prep1\_year12.do
  - b. policy\_prep2\_year12.do
  - c. morbidity\_prep.do \*
  - d. NIS\_child\_prep.do
  - e. vaccination\_analysis.do
  - f. morbidity\_analysis.do\*
  - g. gtrends\_analysis.do
  - h. NIS\_child\_analysis.do
  - i. MSmandate\_tdapvacc\_otherages.do
  - j. morbid\_baselinediseaseinteraction.do
  - k. BRFSS\_prep.do
  - l. brfss\_analysis.do
- 2) cdc\_diseases\_surv\_1996\_2015.dta: *Counts of disease cases at the state-year level, and at state-year-age-group level for TB, as publically available from NNDSS*
- 3) MS Mandate policy data tables.xlsx: *Policy data on timing of mandate implementation across states*
- 4) brfss\_2012\_2016.dta: *Raw BRFSS data files for 2012-2016*
- 5) NISteen08\_15\_raw.dta: *Raw NIS-Teen data files, 2008-2015*
- 6) nis03\_15\_raw.dta: *Raw NIS-Child data files, 2003-2015*
- 7) gtrends.dta: *Raw google trends date, at the state-month level for 2005-2013*
- 8) medicaid\_thresholds\_2000\_2015.dta: *State Medicaid income eligibility levels, 2000-2015*
- 9) BLS\_st\_yr: *BLS unemployment data at the state-year level, 1976-2016*
- 10) lawatlas\_pharmlaws: *Pharmacist scope of practice laws, as apply to 11 year olds at the state-year level*
- 11) Vaccination and well child Insurance Mandates.xlsx: *Insurance Mandates policy data*
- 12) Section 317 state funding 1995-2003, 2007-2013.xlsx: *State Section 317 funding data, 1995-2003, 2007-2013*
- 13) state\_hpv\_insurance\_mandates.xlsx: *State HPV insurance mandates policy data*
- 14) seerpop.dta: *State-year-age group population data, obtained from SEER*
- 15) state\_yr\_obs00\_15.dta: *Blank state-year observations, for purposed of merging policy data*
- 16) fips.dta: *State fips codes and associated state name, for policy merges*

17) nme policy.xlsx: *State non-medical exemption policy data*

18) VFC policy 2001-2010.xlsx: *State VFC policy data, 2001-2010*