"Health Seeking Amidst Violence" Replication Readme

This data replication package contains the following do-files:

1. phviolence_master.do sets paths and filenames, and runs all of the necessary do-files.
2. edit_bcms.do generates province-level and municipality-level monthly violence datasets, which are merged to the DHS data in curative_file.do and birthhist_file.do. This program also creates Figure 1 (**bycategory.png** and **bymanifest.png**)
3. curative_file.do generates curative.dta, which is used by regs_curative.do and summarystats.do
4. birthhist_file.do generates birthhist.dta, which is used by regs_birthhist.do and summarystats.do
5. edit_dhsvars.do is called in both curative_file.do and birthhist_file.do (edits DHS variables)
6. summarystats.do creates summary statistics tables (Tables 1-3) in **summarystats.csv** and **summarystats_mun.csv**.
7. regs_curative.do runs all regressions that use curative care seeking as the dependent variable. This generates Table 4 and the first half of Tables 8, 9, A1-A5, A7, and A8. This also generates the first row of Table 7 (all saved in **regs_curative.csv**)
8. regs_birthhist.do runs all regressions that use prenatal, delivery, or vaccination variables as the dependent variables. This generates Table 5, 6, and the second half of Tables 8, 9, A1-A5, A7, and A8. This also generates the second and third rows of Table 7, and Table 1 of the online appendix (all saved in **regs_birthhist.csv**)
9. edit_beforeregs.do is called in both regs_curative.do and regs_birthhist.do (edits various variables)
10. graph_provcounts.do creates Figure 2 (**eventviolent_byprov.png**)

This data replication package contains the following datasets:

1. merged_ph_ncdc_dhs_raintemp.dta
    - Municipality-month-level weather data (from the Global Historical Climatology Network, where weather is assigned to municipalities using inverse-distance weighting from weather stations in GHCN data)
    - Variables include maximum temperature, minimum temperature, mean temperature, total precipitation for each month, for the 9 months prior to each month (_270), and for the 12 months starting from each month (_a365)
2. storms_emdat.dta
    - Province-month level storm counts from EM-DAT International Disaster Database
    - Variables include the number of storms in each month, number of storms in previous month, number of storms in 9 months prior to each month (_270), and number of storms in the 12 months starting from each month (_a365)
3. dohdata.dta
    - Province-year-level data on the number of health workers in a given province/year from the annual Field Health Service Information System reports published by the Department of Health.
    - Variables include the raw number and number per capita ("ratio") of doctors (doctor), midwives (midwife), barangay health workers (bhw), and nurses (phn).
4. provyearcrops.dta

- Province-month-level price data, generated from the 2012 Philippine Agricultural Census.
- zhigh: standardized price of crop that accounts for highest proportion of agricultural land use in the province (for each month, averaged over previous 9 months [_270], and averaged over following 12 months [_a365])
- index: weighted average of standardized price of maize, paddy, rootcrop, and coconut, weighted by crop land share (for each month, averaged over previous 9 months [_270], and averaged over following 12 months [_a365])

5. asfp_reshaped_allbcms.dta
    - Municipality-month-level data on the number of ongoing or completed ARMM Social Fund projects in the given municipality/month (from the ARMM Social Fund website)
    - Project counts provided for each month, averaged over the previous 9 months (_270), and averaged over the following 12 months (_a365)
    - Project counts provided for each project type: agriculture (AGR), education (EDU), health (HEA), social (SOC), transportation (TRA), water and sanitation (WAS)
6. muniareapop.dta
    - Population and area of each municipality, from the Philippine Statistics Authority website, calculated as of 2010 and 2007, respectively.
7. munistats.dta
    - Municipality characteristics from summaries of the 2010 census, obtained from the Philippine Statistics Authority website.
    - Variables include: proportion of households with electricity, proportion of households with own toilet, proportion of women married before age 20, average fertility, and proportion of households with any household convenience.
8. armmlist.dta
    - List of municipalities in the ARMM
9. bcms_armm.dta
    - List of violent events in the ARMM, 2011-2014, downloaded from the Bangsamoro Conflict Monitoring System website (in July, 2015). The BCMS has since been migrated to the "Conflict Alert" website.
10. actor.xlsx
    - List of all "actors" recorded in the BCMS dataset, categorized into government, civilian, or armed group.

In addition, the analysis requires the 2013 Philippines DHS survey (which is publicly available). curative_file.do and birthhist_file.do both use the PHKR61FL file.

Steps to replicate analysis

1. Download the 2013 Philippine DHS.
2. In phviolence_master.do, set the working directory (folder where all replication files are saved) and the path to the 2013 DHS data.
3. Run edit_bcms.do
4. Run curative_file.do and birthhist_file.do (in any order)

5. Run regs_curative.do, regs_birthhist.do, summarystats.do, and provcounts_graphs.do (in any order)