Micro-loans, Insecticide-Treated Bednets and Malaria:

Evidence from a Randomized Controlled Trial in Orissa (India)

by

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A GUIDE TO THE REPLICATION FILES

The zip file includes a list of files for the replication of the results displayed in the tables of the paper and of the Online Appendix. All files are in Stata format. We include the necessary data sets (.dta), the codes that replicate the results (.do) and the log files that show the results of the codes (.log). The log files are in ASCII format and can thus been seen with virtually any text editor.

THE **<u>IDENTIFIERS</u>** IN THE DATA ARE THE FOLLOWING:

id_v: Identifies the specific village where the survey was completed. The main study was conducted in 141 villages, while the Cash only study was carried out in 25 of these villages (previously Control villages) and in 15 additional villages.

id_hhno: Identifies the specific household interviewed in a village. *This code is only unique within village, so that a household is uniquely identified by the combination of* id_v *and* id_hhno.

Memid: This identifies the specific household member. This code is unique only within a household, so that *an individual is uniquely identified by the combination of* id_v, id_hhno *and* memid.

Note: The data *do not include individual or village names*, in order to protect privacy and confidentiality. For the same reason, the Census village codes have not been included in the data set. Finally, the data set for the replication of the results that use GPS data only include distances between households, while the specific GPS locations have not been included. The "district" is instead idenfied by the variable id_dist.

Virtually all variables have **variable labels**, and all categorical variables have **value labels**, so it should be easy to see what each variable represents and what each specific code represents.

The variable **match** is important because it defines which specific households where interviewed only at baseline, or only at follow-up, or in both surveys. Similarly, in individual-level data the variable merge_01 defines which *individuals* where present at baseline, or at follow-up or in both surveys.

The variable **vtype** identifies the specific experimental arm a community was assigned to before the intervention.

STATA FILES

hhinfo_bl.dta Household-level data collected at baseline and during the program execution. Because data are at the household level (n=1844), the identifier is the combination of `id_v` and `id_hhno`.

hhinfo_fup.dta Household-level data collected at follow-up. Because data are at the household level (n=1844), the identifier is the combination of `id_v` and `id_hhno`.

panel_biomarkers.dta This individual-level file includes individual-level information about biomarkers (malaria and anemia status), bednet usage and self-reported malaria incidence. The identifier is the combination of `id_v`, `id_hhno` and `memid`.

censusdata.dta This village-level file includes data on village characteristics and amenities from Census of India 2001. All villages from the five study districts of Orissa are included. All variables except `vtype`, `price`, `new` and `area` are straight from the Census data. These four variables are only defined for study villages.

data_cash_hh.dta This household-level data set includes the data on ITN demand from the villages included in the Cash-only study carried out after the follow-up survey. The unique identifier is `hid`, defined as usual by the combination of `id_v` and `id_hhno`. Note that the only households that can be linked to 'baseline' and follow-up' data are those from villages included initially as Control.

gpsdata.dta This household-level file includes information about the number of neighbors and the number of BISWA neighbors within specified distances of the study households from the 11 villages where the GPS were collected. Each household is as usual identified by the combination of `id_v` and `id_hhno`.

validationdata.dta This small data set includes the data collected after the conclusion of the follow-up survey to explore the degree of subjectivity in the interpretation of the results of the RDTs used to detect malaria. This file does not include identifiers because it contains no data from sample households that can be linked to the other datasets.

villagedistribution.dta This village-specific file includes data on the number of ITNs and BISWA households in study villages. The village identifier is `id_v`.

PRINT-OUT OF THE CONTENT OF THE STATA DTA FILES

hhinfo_bl.dta

```
Contains data from C:\Users\tarozzino\Dropbox\Experimental\AERR\Final\Stata\hhinfo_bl.dta
  obs:         1,844                          Sample frame: All BISWA Census villages with no GOI now or planned for 2007 SRS
 vars:            84
 size:       405,680 (99.2% of memory free)
-----------------------------------------------------------------------------------------------------------------------
              storage  display     value
variable name  type    format      label      variable label
-----------------------------------------------------------------------------------------------------------------------
id_v           float   %9.0g
hid_bl         long    %12.0g                  Household ID: id_hhno*1000 + id_v
id_dist        byte    %20.0g      district
block          str15   %15s                    block, string
vtype          byte    %8.0g       treatment
free           byte    %9.0g
mf             byte    %9.0g
id_hhno        int     %8.0g
survey_month_bl byte   %9.0g                   Bl: Month of 1st interview
match          byte    %49.0g      match       Household match between baseline and follow-up
why_incomp     byte    %85.0g      why_inc
hhsize_bl      byte    %9.0g                   # household members
pref_hyperb_bl byte    %9.0g                   # 1m>4m & preference reversal
pref_antihype~l byte   %9.0g                   # 1m<4m & preference reversal
pref_later_bl  byte    %9.0g                   # later>sooner with equal payoffs
pref_earlier_bl byte   %9.0g                   # sooner>later
pref_impatien~l byte   %9.0g                   Always chooses earliest date
pref_riskaver~l byte   %9.0g                   Risk averse (chose safe bet)
electricity_bl byte    %8.0g       yesno       Access to electricity
nets_bl        byte    %9.0g                   # nets owned by household
itns_bl        byte    %9.0g                   # nets treated last 6 mts
scstobc_bl     byte    %9.0g                   SC/ST/OBC
price_bl       float   %30.0g                  Bl: 2.08 Average price of bednets in household
n_price_bl     byte    %30.0g                  Bl: Number of bednets in household with non-missing price
```

```
costm_bl          int     %9.0g                   Total cost of malaria episodes last 6mts (itemized)
poorghs_bl        float   %9.0g                   % HH members in poor/very poor health
selfm_bl          byte    %9.0g                   # self-reported malaria cases last 6mts
selfmf_bl         float   %9.0g                   % HH members with any self-reported malaria episodes last 6mts
biom_n_lf_bl      byte    %9.0g                   # valid LF tests in household
biom_n_mal_bl     byte    %9.0g                   # valid malaria tests in household
biom_n_hb_bl      byte    %9.0g                   # valid Hb tests in household
biom_hb_bl        float   %9.0g                   Mean Hb level in household
biom_lf_bl        float   %9.0g                   % LF +ve in household
biom_mal_bl       float   %9.0g                   % malaria +ve in household
biom_falc_bl      float   %9.0g                   % Pf +ve in household
biom_anem_bl      float   %9.0g                   % anemic (Hb<11) in household
creditot_bl       long    %19.0g      negatives
                                                  Sums owed to houshehold
debtot_bl         double  %9.0g                   Tot. household debt
debtbiswa_bl      long    %9.0g                   Tot. household debt towards BISWA
income_bl         long    %12.0g      negatives
                                                  Estimated total hh. income last year. Range mid-point in follow-up
hard100_bl        byte    %15.0g      yesno       Would find hard/impossible to borrow 100 Rs
hard500_bl        byte    %15.0g      yesno       Would find hard/impossible to borrow 500 Rs
hard1000_bl       byte    %15.0g      yesno       Would find hard/impossible to borrow 1000 Rs
exp_daylost_m~l   int     %24.0g      negatives
                                                  Expected # days of work lost per malaria episode, man
exp_daylost_w~l   int     %24.0g      negatives
                                                  Expected # days of work lost per malaria episode, woman
exp_cost_wm_bl    int     %9.0g                   Expected total cost of one malaria episode, working man
exp_cost_ww_bl    int     %9.0g                   Expected total cost of one malaria episode, working woman
exp_cost_nw_bl    int     %9.0g                   Expected total cost of one malaria episode, non-working person
mal_deaths5_bl    byte    %8.0g       negatives
                                                  Any malaria-related deaths last 5 yrs
mal_hhexp_bl      byte    %8.0g       negatives
                                                  # members expected to get malaria within a year in status quo
p_pi_bl           float   %9.0g                   Subjective P(malaria|no net), mean for U6, adult, PW
p_phi_bl          float   %9.0g                   Subjective benefit of untreated net: P(malaria|no net) - P(malaria|untreated net
p_gamma_bl        float   %9.0g                   Subjective benefit of treatment: P(malaria|untreated net) - P(malaria|ITN), mean
p_itn_bl          float   %9.0g                   Subjective benefit of ITNs: P(malaria|no net) - P(malaria|ITN), mean for U6, adu
dem_u5_bl         byte    %9.0g                   # HH members age < 5 (U5)
dem_young_bl      byte    %9.0g                   HH members 5<=age<=14
dem_adult_bl      byte    %9.0g                   HH members 15<=age<=60
dem_elderly_bl    byte    %9.0g                   HH members age > 60
last_net_bl       float   %9.0g                   % Slept under net last night
last_itn_bl       float   %9.0g                   % Slept under ITN last night
```

```
usual_net_bl    float   %9.0g                   % Sleeps under net during mosquito season
head_male_bl    byte    %9.0g                   Household head: Gender
head_age_bl     byte    %9.0g                   Household head: age
head_id_bl      byte    %9.0g                   Household head: I.D.
head_anysch_bl  byte    %9.0g                   Household head: any schooling
head_highed_bl  byte    %9.0g                   Household head: completed secondary board exam (10th grade) or above
n_f_bl          byte    %9.0g                   # females 6 or above in household
n_m_bl          byte    %9.0g                   # males 6 or above in household
anysch_f_bl     float   %9.0g                   Females 6 or above who had any schooling
anysch_m_bl     float   %9.0g                   Males 6 or above who had any schooling
totexp_onesho~l int     %19.0g      negatives
                                                Tot. household consumption, single question, Rs
cons_food_m_bl  float   %9.0g                   Tot. food consumption (Rs), purchases
cons_food_s_bl  float   %9.0g                   Tot. food consumption (Rs), domestic production
cons_other_m_bl float   %9.0g                   Other consumption, 30-day recall
cons_long_bl    float   %9.0g                   Education, health, durables etc
cons_festiv_bl  float   %9.0g                   Dowries, celebrations etc.
totexp_bl       float   %9.0g                   Total HH monthly consumption (Rs, itemized)
totexp_nof_bl   float   %9.0g                   Total HH monthly consumption, excluding wedding/ceremonies/dowries (Rs, itemized
lpce_bl         float   %9.0g                   log(itemized monthly exp./hhsize)
lpce_one_bl     float   %9.0g                   log(non-itemized monthly exp./hhsize)
pcnets_bl       float   %9.0g                   Baseline nets (treated or not) per head
pcitns_bl       float   %9.0g                   Baseline ITNs per head
totnet_ic       byte    %9.0g                   Total # BISWA nets
somenets_ic     byte    %9.0g                   Received at least one BISWA net
```

hhinfo_fup.dta

```
Contains data from C:\Users\tarozzino\Dropbox\Experimental\AERR\Final\Stata\hhinfo_fup.dta
  obs:         1,775
 vars:            56
 size:       181,050 (99.7% of memory free)
-------------------------------------------------------------------------------------------------------
              storage  display     value
variable name  type    format      label      variable label
-------------------------------------------------------------------------------------------------------
id_v           float   %9.0g
id_dist        byte    %20.0g      district
vtype          byte    %8.0g       treatment
                                              Experimental arm
id_hhno        long    %8.0g
hid            long    %12.0g                 Household ID: 1000*id_hhno + id_v
survey_month_~p byte   %8.0g                  A.03.1: FUp Month of 1st visit
match          byte    %49.0g      match      Household match between baseline and follow-up
hhsize         byte    %9.0g
totnets        byte    %9.0g                  Total # nets (2.18 + 2.21)
pcnets         float   %9.0g                  Total # nets (2.18 + 2.21)/hhsize
from1_mwater   byte    %9.0g       yesno      6.01.1, FUp Malaria from contaminated water
from2_mmosq    byte    %10.0g      yesno      6.01.2, FUp Malaria from mosquitoes/plasmodium
from3_mflies   byte    %10.0g      yesno      6.01.3, FUp Malaria from other insects
from4_mbath    byte    %10.0g      yesno      6.01.4, FUp Malaria from bath in contaminated water
from5_mflyblown byte   %10.0g      yesno      6.01.5, FUp Malaria from eating contaminated food
from6_menviron byte    %10.0g      yesno      6.01.6, FUp Malaria from dirty environment
from7_mother   byte    %10.0g      yesno      6.01.7, FUp Malaria from other
from__ra       byte    %10.0g      yesno      6.01.RA, FUp Malaria from, RA
from__dk       byte    %10.0g      yesno      6.01.DK, FUp Malaria from, DK
prev1_pnets    byte    %10.0g      yesno      6.02.1 FUp Prevent malaria with nets
prev2_pitn     byte    %10.0g      yesno      6.02.2 FUp Prevent malaria with using ITNs
prev3_pcloth   byte    %10.0g      yesno      6.02.3 FUp Prevent malaria with proper clothing
prev4_pwater   byte    %10.0g      yesno      6.02.4 FUp Prevent malaria by not drinking contaminated water
prev5_insec    byte    %10.0g      yesno      6.02.5 FUp Prevent malaria with insecticides
prev6_pcoils   byte    %10.0g      yesno      6.02.6 FUp Prevent malaria with repellents/mosquito coils
prev7_psmoke   byte    %10.0g      yesno      6.02.7 FUp Prevent malaria with smoke
prev8_pstag    byte    %10.0g      yesno      6.02.8 FUp Prevent malaria by clearing stagnant water
prev9_pdrain   byte    %10.0g      yesno      6.02.9 FUp Prevent malaria by cleaning drainage system/sewage
```

```
prev10pclean    byte    %10.0g       yesno        6.02.10 FUp Prevent malaria by avoiding dirty environments (stay clean)
prev11pdiet     byte    %10.0g       yesno        6.02.11 FUp Prevent malaria with proper diet
prev12pmed      byte    %10.0g       yesno        6.02.12 FUp Prevent malaria with medicine
prev13pother    byte    %10.0g       yesno        6.02.13 FUp Prevent malaria in other ways
prev__ra        byte    %10.0g       yesno        6.02. FUp Prevent malaria with, RA
prev__dk        byte    %10.0g       yesno        6.02. FUp Don't know how to prevent malaria
outerspray      byte    %9.0g                     Outer walls sprayed in 2008-09
innerspray      byte    %9.0g                     Inner walls sprayed in 2008-09
totexp_oneshot  int     %8.0g        negatives
                                                  Tot. household consumption, single question
cons_food_m     float   %9.0g                     Tot. food consumption (Rs), purchases
cons_food_s     int     %9.0g                     Tot. food consumption (Rs), domestic production
cons_other_m    float   %9.0g                     Other consumption, 30-day recall
cons_long       float   %9.0g                     Education, health, durables etc
cons_festiv     float   %9.0g                     Dowries, celebrations etc.
totexp          float   %9.0g                     Total HH monthly consumption (Rs, itemized)
totexp_nof      float   %9.0g                     Total HH monthly consumption, excluding wedding/ceremonies/dowries (Rs, itemized
nets_unu_gov    byte    %9.0g                     # unused nets last night from Gov. last 12 months
nets_unu_ngo    byte    %9.0g                     # unused nets last night from non-BISWA NGOs last 12 months
nets_unu_mkt    byte    %9.0g                     # unused nets last night purchased from market last 12 months
usnets_sb       byte    %9.0g                     FUp: # observed BISWA nets in use in hh. last night
nets_used_gov   byte    %9.0g                     # nets used last night from Gov. last 12 months
nets_used_ngo   byte    %9.0g                     # nets used last night from non-BISWA NGOs last 12 months
nets_used_mkt   byte    %9.0g                     # nets used last night purchased from market last 12 months
nets_tot_gov    byte    %9.0g                     Tot. # from Gov. last 12 months
nets_tot_ngo    byte    %9.0g                     Tot. # from non-BISWA NGOs last 12 months
nets_tot_mkt    byte    %9.0g                     Tot. # nets purchased from market last 12 months
lpce            float   %9.0g                     log(itemized monthly exp./hhsize)
lpce_one        float   %9.0g                     log(non-itemized monthly exp./hhsize)
-----------------------------------------------------------------------------------------------------
```

panel_biomarkers.dta

```
  obs:         18,569
 vars:            115
 size:      5,385,010 (89.9% of memory free)
-------------------------------------------------------------------------------------------------------
              storage  display    value
variable name   type   format     label      variable label
-------------------------------------------------------------------------------------------------------
id_v            float  %9.0g
hid             double %12.0g                 Household ID: 1000*id_hhno + id_v
id_dist         byte   %20.0g     district
id_block        byte   %8.0g
block           str15  %15s                   block, string
vtype           byte   %8.0g      treatment

arm_c           byte   %9.0g                  CONTROL experimental arm
arm_mf          byte   %9.0g                  MF experimental arm
arm_free        byte   %9.0g                  FREE experimental arm
arm_new         byte   %9.0g                  NEW experimental arm
id_hhno         long   %12.0g
sample_panel    byte   %9.0g                  To be used in individual-level DD estimation
match           byte   %49.0g     match       Household match between baseline and follow-up
memid           byte   %8.0g
merge_01        byte   %22.0g     merge_01    Result of roster merging (Sections 1)
match_ind       byte   %57.0g     match_ind

female          byte   %9.0g      female      sexB or sex0 (if sexB missing) or q0102b_gender (if sex0, sexB missing)
age             int    %9.0g                  Age at follow-up
agegroup        byte   %10.0g     agegroup    FUp: Age group
sex0            byte   %8.0g      sex         Bl 1.04: Gender
relhead0        byte   %22.0g     relhead     Bl 1.05: Relation to head
age0            byte   %8.0g                  Bl 1.06: Age
visit0          byte   %15.0g     yesno       Bl 1.08: Temporary visitor
biswamember0    byte   %15.0g     yesno       Bl BISWA membership (from Section 14)
sexB            byte   %8.0g      sex         B.02: Gender, FUp tracking section B
relheadB        byte   %22.0g     relhead     B.03: Relation to head, FUp tracking section B
ageB            byte   %8.0g                  B.04: Age, FUp tracking section B
visitB          byte   %15.0g     yesno       B.05: Temporary visitor, FUp tracking section B
```

```
memberB          byte   %30.0g   b06        B.06: Current household member, FUp tracking section B
nolongerB        byte   %32.0g   b07        B.07: Why no longer a member, FUp tracking section B
q0102b_gender    byte   %8.0g    sex        1.02B: FUp Gender (new hhs only)
relhead1         byte   %26.0g   relhead    FUp 1.03: Relation to head
age1             int    %8.0g               FUp 1.04: Age (in years)
away1            byte   %15.0g   yesno      FUp 1.05: Away from village
biswamember1     byte   %15.0g   yesno      FUp 1.24: BISWA member
survey_m0        byte   %9.0g               Bl: Any reported malaria episode in 2 months before interview
survey_mf0       byte   %9.0g               Bl: Any reported malaria/fever episode in 2 months before interview
survey_m_now0    byte   %9.0g               Bl: Reported malaria episode in same month as interview
survey_mf_now0   byte   %9.0g               Bl: Reported malaria/fever episode in same month as interview
survey_m60       byte   %9.0g               Bl: Total # reported malaria episodes last 6 m
survey_mf60      byte   %9.0g               Bl: Total # reported malaria/fever episodes last 6 m
cost_m_days0     int    %9.0g               Bl: Days of work/school lost for malaria last 6 m
cost_mf_days0    int    %9.0g               Bl: Days of work/school lost for malaria/fever last 6 m
cost_m_pub0      byte   %9.0g               Bl: # malaria episodes treated in pub. health struct. last 6 m
cost_mf_pub0     byte   %9.0g               Bl: # malaria/fever episodes treated in pub. health struct. last 6 m
cost_m_priv0     byte   %9.0g               Bl: # malaria episodes treated in priv. health struct. last 6 m
cost_mf_priv0    byte   %9.0g               Bl: # malaria/fever episodes treated in priv. health struct. last last 6 m
cost_m_exp0      double %9.0g               Bl: Tot. exp. (2008/09 Rs) for malaria last 6 m (single question)
cost_mf_exp0     double %9.0g               Bl: Tot. exp. (2008/09 Rs) for malaria/fever last 6 m (single question)
cost_m_expit0    double %9.0g               Bl: Tot. exp. (2008/09 Rs) for malaria last 6 m (itemized)
cost_mf_expit0   double %9.0g               Bl: Tot. exp. (2008/09 Rs) for malaria/fever last 6 m (single question)
cost_m_expdd0    double %9.0g               Bl: Total doctors/drugs expenditure (2008/09 Rs) for malaria last 6 m
cost_mf_expdd0   double %9.0g               Bl: Total doctors/drugs expenditure (2008/09 Rs) for malaria/fever last 6 m
cost_m_debt0     byte   %9.0g               Bl: # times debt due to malaria episodes last 6 m
cost_mf_debt0    byte   %9.0g               Bl: # times debt due to malaria/fever episodes last 6 m
cost_m_less0     byte   %9.0g               Bl: # times reduction in cons. due to malaria episodes last 6 m
cost_mf_less0    byte   %9.0g               Bl: # times reduction in cons. due to malaria/fever episodes last 6 m
type0            byte   %23.0g   q1802      Bl: Type of individual tested (18.02)
agem0            byte   %19.0g   q1803      Bl: Age (in months), U5 only (18.03)
height0          float  %19.0g   q1803      Bl: Height (in cm.), (18.04)
lf0              byte   %9.0g               Baseline LF RDT (1=Positive, 0=Negative)
hb0              float  %9.0g               Baseline Hb RDT result
malaria0         int    %23.0g   malaria0   Baseline malaria RDT: 0/1/2/3 code
m0               byte   %9.0g               Baseline malaria status (0/1)
use_net_last     byte   %8.0g    yesno      1.08: FUp Slept under net last night
use_itn_last     byte   %8.0g    yesno      1.09: FUp net used last night treated last 6mts
use_net_usual    byte   %8.0g    yesno      1.10: FUp Usually sleeps under net when lots of mosquitoes
use_itn_usual    byte   %8.0g    yesno      1.11: FUp net used when lots of mosquitoes treated last 6mts
test1_day        byte   %8.0g    negatives

                                            FUp: day of testing
```

```
test1_month      byte    %8.0g         negatives
                                                FUp: month of testing
test1_year       byte    %8.0g         negatives
                                                FUp: year of testing
bloodtester      str21   %21s                   10: FUp Name of Blood tester
bloodtester_o~r  str22   %22s
net1             byte    %9.0g                  2.05 FUp: Used a net last night (from Census of Sleeping Spaces)
net_seen1        byte    %9.0g                  2.07 FUp: Used a net last night, seen by surveyor (from CSS)
net_good1        byte    %9.0g                  2.08 FUp: Used a net last night, seen to be in good conditions (from CSS)
net_hung1        byte    %9.0g                  2.09 FUp: Used a net last night, seen to hang properly (from CSS)
net_biswa1       byte    %9.0g                  2.10 FUp: Used a net last night, seen to be BISWA net (from Census of Sleeping S
survey_m1        byte    %9.0g                  FUp: Any reported malaria episode in 2 months before interview
survey_mf1       byte    %9.0g                  FUp: Any reported malaria/fever episode in 2 months before interview
survey_m_now1    byte    %9.0g                  FUp: Reported malaria episode in same month as interview
survey_mf_now1   byte    %9.0g                  FUp: Reported malaria/fever episode in same month as interview
survey_m61       byte    %9.0g                  FUp: Total # reported malaria episodes last 6 m
survey_mf61      byte    %9.0g                  FUp: Total # reported malaria/fever episodes last 6 m
cost_m_days1     int     %9.0g                  FUp: Days of work/school lost for malaria last 6 m
cost_mf_days1    int     %9.0g                  FUp: Days of work/school lost for malaria/fever last 6 m
cost_m_pub1      byte    %9.0g                  FUp: # malaria episodes treated in pub. health struct. last 6 m
cost_mf_pub1     byte    %9.0g                  FUp: # malaria/fever episodes treated in pub. health struct. last 6 m
cost_m_priv1     byte    %9.0g                  FUp: # malaria episodes treated in priv. health struct. last 6 m
cost_mf_priv1    byte    %9.0g                  FUp: # malaria/fever episodes treated in priv. health struct. last last 6 m
cost_m_exp1      long    %9.0g                  FUp: Tot. exp. (2008/09 Rs) for malaria last 6 m (single question)
cost_mf_exp1     long    %9.0g                  FUp: Tot. exp. (2008/09 Rs) for malaria/fever last 6 m (single question)
cost_m_expit1    long    %9.0g                  FUp: Tot. exp. (2008/09 Rs) for malaria last 6 m (itemized)
cost_mf_expit1   long    %9.0g                  FUp: Tot. exp. (2008/09 Rs) for malaria/fever last 6 m (single question)
cost_m_expdd1    long    %9.0g                  FUp: Total doctors/drugs expenditure (2008/09 Rs) for malaria last 6 m
cost_mf_expdd1   long    %9.0g                  FUp: Total doctors/drugs expenditure (2008/09 Rs) for malaria/fever last 6 m
cost_m_debt1     byte    %9.0g                  FUp: # times debt due to malaria episodes last 6 m
cost_mf_debt1    byte    %9.0g                  FUp: # times debt due to malaria/fever episodes last 6 m
cost_m_less1     byte    %9.0g                  FUp: # times reduction in cons. due to malaria episodes last 6 m
cost_mf_less1    byte    %9.0g                  FUp: # times reduction in cons. due to malaria/fever episodes last 6 m
roster_m61       byte    %9.0g                  FUp: # malaria episodes last 6 m, from roster
roster_m6diag1   byte    %9.0g                  FUp: # malaria episodes last 6mts, from roster, confirmed by blood test
roster_m_now1    byte    %9.0g                  FUp: Has malaria now, from household roster
roster_m_nowd~1  byte    %9.0g                  FUp: Has malaria now, from household roster, confirmed by blood test
hb1              float   %9.0g                  Follow-up Hb RDT result
m1               byte    %9.0g                  Follow-up malaria RDT: 0=-ve, 1=+ve
malaria1         int     %40.0g        malaria  Follow-up malaria RDT: 0/1/2/3 code
age_fup          int     %8.0g                  1.04: FUp Age (in years)
netlast_bl       float   %9.0g                  Baseline, any net used last night
```

```
itnlast_bl       float   %9.0g                    Baseline, ITN used last night
netus_bl         float   %9.0g                    Baseline, any net used in peak season
netlast_fup      float   %9.0g                    Follow-up, any net used last night
itnlast_fup      float   %9.0g                    Follow-up, ITN used last night
netus_fup        float   %9.0g                    Follow-up, any net used in peak season
itnus_fup        float   %9.0g                    Follow-up, ITN used in peak season
--------------------------------------------------------------------------------
```

censusdata.dta

```
Contains data from C:\Users\tarozzino\Dropbox\Experimental\AERR\Final\Stata\censusdata.dta
  obs:         8,991                          Data on village characteristics and amenities from 2001 Census of India
 vars:           138
 size:     2,535,462 (95.2% of memory free)
---------------------------------------------------------------------------------------------------------------------
              storage  display      value
variable name   type   format       label      variable label
---------------------------------------------------------------------------------------------------------------------
vtype          byte   %8.0g        treatment
                                               Experimental arm
price          byte   %34.0g       price       Cash Arm: Low or High Price
new            byte   %9.0g        villagetype
                                               Cash Arm: Control or New village
area           int    %8.0g                    Area of Village (in hectares)
t_hh           int    %8.0g                    Number of Households
t_p            int    %8.0g                    Total population- Persons
t_m            int    %8.0g                    Total population- Males
t_f            int    %8.0g                    Total population- Females
sc_p           int    %8.0g                    Scheduled Castes population- Persons
sc_m           int    %8.0g                    Scheduled Castes population- Males
sc_f           int    %8.0g                    Scheduled Castes population- Females
st_p           int    %8.0g                    Scheduled Tribes population- Persons
st_m           int    %8.0g                    Scheduled Tribes population- Males
st_f           int    %8.0g                    Scheduled Tribes population- Females
edu_fac        byte   %8.0g                    Educational facilities (A/NA)
p_sch          byte   %8.0g                    Number of Primary School
rang_p_sch     byte   %8.0g                    If not available, Provide the Range Code
m_sch          byte   %8.0g                    Number of Middle School
rang_m_sch     byte   %8.0g                    If not available, Provide the Range Code
s_sch          byte   %8.0g                    Number of Secondary School
s_s_sch        byte   %8.0g                    Number of Senior Secondary School
college        byte   %8.0g                    Number of Collage
rang_coll      byte   %8.0g                    If not available, Provide the Range Code
ind_sch        byte   %8.0g                    Number of Industrial School
tr_sch         byte   %8.0g                    Number of Taining School
adlt_lt_ct     byte   %8.0g                    Number of Adult literacy Class/Centre
oth_sch        byte   %8.0g                    Number of Other educational facilities
```

```
medi_fac        byte   %8.0g                Medical facilities (A/NA)
all_hosp        byte   %8.0g                Number of Allopathic Hospital
rang_all        byte   %8.0g                If not available, Provide the Range Code
ayu_hosp        byte   %8.0g                Number of Ayurvedic Hospital
un_hosp         byte   %8.0g                Number of Unani Hospital
hom_hosp        byte   %8.0g                Number of Homeopathic Hospital
all_disp        byte   %8.0g                Number of Allopathic Dispensary
ayu_disp        byte   %8.0g                Number of Ayurvedic Dispensary
un_disp         byte   %8.0g                Number of Unani Dispensary
hom_disp        byte   %8.0g                Number of Homeopathic Dispensary
mcw_cntr        byte   %8.0g                Number of Maternity and Child Welfare Centre
rang_mcw        byte   %8.0g                If not available, Provide the Range Code
m_home          byte   %8.0g                Number of Maternity Home
cwc             byte   %8.0g                Number of Child Welfare Centre
h_cntr          byte   %8.0g                Number of Health Centre
ph_cntr         byte   %8.0g                Number of Primary Health Centre
rang_phc        byte   %8.0g                If not available, Provide the Range Code
phs_cnt         byte   %8.0g                Number of Primary Health Sub Centre
fwc_cntr        byte   %8.0g                Number of Family Welfare Centre
tb_cln          byte   %8.0g                Number of T.B. Clinic
n_home          byte   %8.0g                Number of Nursing Home
rmp             byte   %8.0g                Number of Registered Private Medical Practiotioners
smp             byte   %8.0g                Number of Subsidised Medical Practitioners
chw             byte   %8.0g                Number of Community Health workers
oth_cntr        byte   %8.0g                Number of Other medical facilities
drnk_wat_f      byte   %8.0g                Drinking Water facility (A/NA)
rang_wat_f      byte   %8.0g                If not available, Provide the Range Code
tap             byte   %8.0g                Tap Water (T)
well            byte   %8.0g                Well Water (W)
tank            byte   %8.0g                Tank Water (TK)
tubewell        byte   %8.0g                Tubewell Water (TW)
handpump        byte   %8.0g                Handpumb (HP)
river           byte   %8.0g                River Water(R)
canal           byte   %8.0g                Canal (C)
lake            byte   %8.0g                Lake (L)
spring          byte   %8.0g                Spring (S)
other           byte   %8.0g                Other drinking water sources (O)
sou_summ        str2   %2s                  Source of Drinking Water during Summer (indicate code from above)
rang_ss         byte   %8.0g                If not available, Provide the Range Code
ss_code         str2   %9s                  Source code from above as applicable
p_t_fac         byte   %8.0g                Post, Telegraph and Telephone facilities (A/NA), if available
post_off        byte   %8.0g                Number of Post Office
```

```
rang_po        byte    %8.0g                        If not available, Provide the Range Code
tele_off       byte    %8.0g                        Number of Telegraph Office
post_tele      byte    %8.0g                        Number of Post and Telegraph Office
phone          byte    %8.0g                        Number of Telephone connections
rang_phone     byte    %8.0g                        If not available, Provide the Range Code
comm_fac       byte    %8.0g                        Communication (Y/N)
bs_fac         byte    %8.0g                        Bus services
rang_bs        byte    %8.0g                        If not available, Provide the Range Code
rs_fac         byte    %8.0g                        Railways services
rang_rs        byte    %8.0g                        If not available, Provide the Range Code
nw_fac         byte    %8.0g                        Navigable water way including River, Canal etc.
rang_nw        byte    %8.0g                        If not available, Provide the Range Code
bank_fac       byte    %8.0g                        Banking facility (Y/N)
comm_bank      byte    %8.0g                        Number of Commercial Bank
rang_comm      byte    %8.0g                        If not available, Provide the Range Code
coop_bank      byte    %8.0g                        Number of Co-operative Commercial Bank
rang_coop      byte    %8.0g                        If not available, Provide the Range Code
crsoc_fac      byte    %8.0g                        Credit Societies (Y/N)
ac_soc         byte    %8.0g                        Number of Agricultural Credit Societies
rang_acs       byte    %8.0g                        If not available, Provide the Range Code
nac_soc        byte    %8.0g                        Number of Non Agricultural Credit Societies
rang_nac       byte    %8.0g                        If not available, Provide the Range Code
other_soc      byte    %8.0g                        Number of Other Credit Societies
rang_oth       byte    %8.0g                        If not available, Provide the Range Code
rc_fac         byte    %8.0g                        Recreational and Cultural facilities (Y/N)
c_v_hall       byte    %8.0g                        Number of Cinema/Video-hall
rang_cv        byte    %8.0g                        If not available, Provide the Range Code
sp_cl_fac      byte    %8.0g                        Number of Sports Club
rang_spcl      byte    %8.0g                        If not available, Provide the Range Code
st_au_fac      byte    %8.0g                        Number of Stadium/Auditorium
rang_stau      byte    %8.0g                        If not available, Provide the Range Code
app_pr         byte    %8.0g                        Approach - Paved Road
app_mr         byte    %8.0g                        Approach - Mud Road
app_fp         byte    %8.0g                        Approach - Foot Path
app_navriv     byte    %8.0g                        Approach - Navigable River
app_navcan     byte    %8.0g                        Approach - Navigable Canal
app_nw         byte    %8.0g                        Approach - Navigable water-way other than river or canal
near_town      str13   %13s                         Nearest Town
dist_town      int     %8.0g                        Distance from the nearest Town (in Kilometer(s))
power_supl     byte    %8.0g                        Power supply (A/NA)
power_dom      byte    %8.0g                        Electricity for Domestic use
power_agr      byte    %8.0g                        Electricity of Agricultural use
```

```
power_oth      byte    %8.0g                        Electricity of other purposes
power_all      byte    %8.0g                        Electricity for all purposes
pap_mag        byte    %8.0g                        News paper/Magazine (Y/N)
news_pap       str1    %1s                          News Paper (Indicate N, if arrived)
magazine       str1    %1s                          Magazine (indicate M, if arrived)
a_incexp       byte    %8.0g                        Separate figures available (Y/N), if Yes:
tot_inc        byte    %8.0g                        Total Income
tot_exp        byte    %8.0g                        Total Expenditure
man_comm1      str23   %23s                         Manufactured Item No. 1
man_comm2      str23   %23s                         Manufactured Item No. 2
man_comm3      str19   %19s                         Manufactured Item No. 3
land_fores     float   %9.0g                        Forest
canal_govt     float   %9.0g                        Government Canal
canal_pvt      float   %9.0g                        Private Canal
well_wo_el     float   %9.0g                        Well (without electricity)
well_w_el      float   %9.0g                        Well (with electricity)
tw_wo_el       float   %9.0g                        Tube-well (without electricity)
tw_w_el        float   %9.0g                        Tube-well (with electricity)
tank_irr       float   %9.0g                        Tank
river_irr      float   %9.0g                        River
lake_irr       float   %8.0g                        Lake
w_fall         float   %9.0g                        Waterfall
oth_irr        float   %9.0g                        Others
tot_irr        float   %9.0g                        Total Wet Rice cultivated Area/Total Irrigated Area
un_irr         float   %9.0g                        Dry Rice cultivation/Unirrigated Area
cult_waste     float   %9.0g                        Culturable waste (including gauchar and groves)
area_na_cu     float   %9.0g                        Area not available for cultivation
-------------------------------------------------------------------------------
```

data_cash_hh.dta

```
Contains data from C:\Users\tarozzino\Dropbox\Experimental\AERR\Final\Stata\data_cash_hh.dta
  obs:          1,967
 vars:              9
 size:        133,756 (99.8% of memory free)
-----------------------------------------------------------------------------------------------------------------
              storage  display     value
variable name   type   format      label      variable label
-----------------------------------------------------------------------------------------------------------------
id_v           float   %9.0g
hid            long    %12.0g                  Household ID: 1000*id_hhno + id_v
village        str32   %32s                    String
type           str3    %9s
new            float   %9.0g      villagetype
                                               New or Control village
price          byte    %34.0g      price       LLIN prices
hh_v           float   %9.0g                   At least one voucher received by a hh member
hh_nets        float   %9.0g                   # LLINs purchased by hh (total over all members)
hh_some        float   %9.0g                   At least one LLIN purchased
-----------------------------------------------------------------------------------------------------------------
Sorted by:
```

gpsdata.dta

```
Contains data from C:\Users\tarozzino\Dropbox\Experimental\AERR\Final\Stata\gpsdata.dta
  obs:           142                          Data on # neighbours and # BISWA neighbors from 11 study villages
 vars:            44
 size:        26,128 (99.9% of memory free)
-----------------------------------------------------------------------------------------------------------------
              storage  display      value
variable name   type   format       label      variable label
-----------------------------------------------------------------------------------------------------------------
id_v           float   %9.0g
id_hhno        long    %10.0g                   hid
n_5_1          float   %9.0g                    # neighbours within given distance from index household
n_5_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
n_10_1         float   %9.0g                    # neighbours within given distance from index household
n_10_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_15_1         float   %9.0g                    # neighbours within given distance from index household
n_15_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_20_1         float   %9.0g                    # neighbours within given distance from index household
n_20_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_25_1         float   %9.0g                    # neighbours within given distance from index household
n_25_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_30_1         float   %9.0g                    # neighbours within given distance from index household
n_30_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_35_1         float   %9.0g                    # neighbours within given distance from index household
n_35_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_40_1         float   %9.0g                    # neighbours within given distance from index household
n_40_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_45_1         float   %9.0g                    # neighbours within given distance from index household
n_45_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_50_1         float   %9.0g                    # neighbours within given distance from index household
n_50_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_75_1         float   %9.0g                    # neighbours within given distance from index household
n_75_1_biswa   float   %9.0g                    # BISWA neighbours within given distance from index household
n_100_1        float   %9.0g                    # neighbours within given distance from index household
n_100_1_biswa  float   %9.0g                    # BISWA neighbours within given distance from index household
n_125_1        float   %9.0g                    # neighbours within given distance from index household
n_125_1_biswa  float   %9.0g                    # BISWA neighbours within given distance from index household
n_150_1        float   %9.0g                    # neighbours within given distance from index household
```

```
n_150_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
n_175_1          float   %9.0g                    # neighbours within given distance from index household
n_175_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
n_200_1          float   %9.0g                    # neighbours within given distance from index household
n_200_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
n_225_1          float   %9.0g                    # neighbours within given distance from index household
n_225_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
n_250_1          float   %9.0g                    # neighbours within given distance from index household
n_250_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
n_300_1          float   %9.0g                    # neighbours within given distance from index household
n_300_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
n_350_1          float   %9.0g                    # neighbours within given distance from index household
n_350_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
n_400_1          float   %9.0g                    # neighbours within given distance from index household
n_400_1_biswa    float   %9.0g                    # BISWA neighbours within given distance from index household
------------------------------------------------------------------------------------------------------------------------
Sorted by:
```

validationdata.dta

```
Contains data from C:\Users\tarozzino\Dropbox\Experimental\AERR\Final\Stata\validationdata.dta
  obs:           205                          Data from validation study, results in Table A.11 of Online Appendix
 vars:             4
 size:         2,870 (99.9% of memory free)
-------------------------------------------------------------------------------------------------------------
              storage  display     value
variable name   type   format      label      variable label
-------------------------------------------------------------------------------------------------------------
result_1        byte   %8.0g                   RDT read by tester #1
result_2        byte   %8.0g                   RDT read by tester #2
result_3        byte   %8.0g                   RDT read by tester #3
result_clinic   str3   %9s                     Result of blood test from clinic microscopy
-------------------------------------------------------------------------------------------------------------
Sorted by:
```

villagedistribution.dta

```
Contains data from C:\Users\tarozzino\Dropbox\Experimental\AERR\Final\Stata\villagedistribution.dta
  obs:           141                         Sample frame: All BISWA Census villages with no GOI now or planned for 2007 SRS
 vars:            28                         12 Oct 2013 13:01
 size:        13,818 (99.9% of memory free)
-------------------------------------------------------------------------------------------------------------------------
              storage  display     value
variable name   type   format      label      variable label
-------------------------------------------------------------------------------------------------------------------------
id_v           float   %9.0g
district       str9    %9s                     district, string
block          str15   %15s                    block, string
id_dist        byte    %20.0g     district
vtype          byte    %8.0g      treatment
                                               Experimental arm
area           int     %8.0g                   Area of Village (in hectares)
t_hh           int     %8.0g                   Number of Households
t_p            int     %8.0g                   Total population- Persons
medi_fac       byte    %8.0g                   Medical facilities (A/NA)
land_forest    float   %9.0g                   Forests: % village area
land_irr       float   %9.0g                   Irrigated area: % village area
land_unirr     float   %9.0g                   Non-irrigated area: % village area
ic_totnet      float   %9.0g                   Mean # ITNs per SHG member in sample, IC data
ic_somenet     float   %9.0g                   % of sample households who got at least one ITN
ic_n           byte    %9.0g                   # Sample households, IC data
ic_sum         byte    %9.0g                   Total # ITNs distributed to sample, IC data
ic_buyers      byte    %9.0g                   (sum) somenets_ic
bmem_ic2       int     %8.0g                   # BISWA members recorded at IC2
bmem           int     %8.0g                   BISWA members (from village IC data)
vnets_deliv    int     %9.0g                   (All village) Village-level # nets delivered
vnets_cash     byte    %9.0g                   (All village) Village-level # nets sold for cash
vnets_credit   byte    %9.0g                   (All village) Village-level # nets sold on credit
vnets_deliv_pm float   %9.0g                   (All village) Village-level Per-member # nets delivered
vnets_cash_pm  float   %9.0g                   (All village) Village-level Per-member # nets sold for cash
vnets_credit_pm float  %9.0g                   (All village) Village-level Per-member # nets sold on credit
vnets_deliv_n~b float  %9.0g                   Village-level Per-non-baseline member # nets delivered
bmem_nonb      int     %9.0g                   # BISWA members in village not included in baseline
v_pcnets       float   %9.0g                   (# ITNs distributed)/(Village population)
-------------------------------------------------------------------------------------------------------------------------
```