log using analysis.log, replace

*** CS India AUD ***

use "CS1_in.dta", clear
svyset village_in [pw=pw], strata(stratum) fpc(stratumclusters)
svydes

*** NEW VARS ***

*************** New variable, specific to this analysis
recode educ (2=3)(1=2)(0=1), gen(educ_india)
recode educ_india (1=0) if edu==0
label define educ_india 0 None 1 "Did not complete primary" 2 "Completed primary" 3 "Completed secondary or more"
label values educ_india educ_india

*** END NEW VARS ***

* Table 1. Describe sample and drinkers
tempvar mnrega_2c
recode nrega (66=0), gen(`mnrega_2c')
foreach var of varlist age_3c sex marit_4c kids educ_india rel caste_in tyhos ownl emp_3c `mnrega_2c' {
    svy: tab `var'
    svy: tab `var' aud, row
}
svy: proportion aud
svy, subpop(if sex==0): mean totalaud
svy, subpop(if sex==0): proportion aud_4c
svy: proportion aud_4c

* Describe outcome
   * Cronbach's alpha
alpha aud1-aud10 if aud==1, item
* Basic demographics
svy: mean totalaud, over(sex)
svy: tab sex aud, row
svy: tab sex aud_4c, row
svy: tab aud aud_4c, row
* Clustering coefficient and Figure 1
svy: mean totalaud, over(village_in)
* I created a new dataset using the table generated by the line above, and then ran the twoway command below
* twoway (bar audit cluster if urban==0, legend(off))(bar audit cluster if urban==1, ytitle(Mean AUDIT score) xtitle(Sampling cluster number)
   legend(label(1 "Second")))
loneway totalaud village_in if sex==0
iclassr totalaud village_in if sex==0

* Table 2. Patterns of consumption
   svy: mean totalaud
   svy: proportion aud
   svy: proportion aud_4c
   svy: mean totalaud, over(sex)
   svy: mean totalaud, over(aud)
   svy: proportion aud, over(sex)
   svy: proportion aud_4c, over(sex)
   svy: proportion aud_4c, over(aud)
   svy, subpop(if aud): proportion audpos

* Help-seeking and discussion
   svy: proportion audpos
   svy: proportion audtx
   tab audtx
   mrtab audtx_*, incl
   svy: tab auddisc
svy: tab auddisc__spouse

* Table 3. Correlates of AUDIT among male drinkers
  tempvar newage
  gen `newage' = age/10
  tempvar newcost
  gen `newcost' = outptcostusd/100
  foreach var of varlist `newage' hindu kids ownld stratum tob totalphq suithink hosp outptcostusd `newcost' whodas_simple {
    xi, noomit: svy, subpop(if aud==1 & sex==0): tnbreg totalaud `var', ef
  }
  tempvar mnrega_2c
  recode nrega (66=0), gen(`mnrega_2c')
  tempvar caste_3c
  recode caste_in (1/2=1)(3=3)(4/5=4), gen(`caste_3c')
  tempvar marit_3c
  recode marit_4c (1=1)(2=2)(3/4=3), gen(`marit_3c')
  foreach str in ib2.`marit_3c' ib0.educ_india ib1.emp_3c ib4.`caste_3c' `mnrega_2c' ib1.tyhos {
    xi, noomit: svy, subpop(if aud==1 & sex==0): tnbreg totalaud `str', ef
  }

* Table 4: Stigma among people with AUD
  * Unadjusted
  mrtab audst__ismi*, r(3 4) incl
  foreach var of varlist audst__* {
    tempvar `var'__2c
    recode `var' (0 1 2=0)(3/4=1), gen(``var'__2c')
    desc `var'
    svy: mean ``var'__2c'
  }
capture log close