```
****************************************File: consis1

erase file='bad.sav'.
erase file='bad1.sav'.
erase file='bad2.sav'.
erase file='tmp.sav'.

*** CREATE AGGREGATE FILE FROM HH MEMBER DATA FILE ***.

get file = 'hl.sav'.

compute member = 1.

* aggregate member cases to a temporary file.
aggregate outfile = 'tmp.sav'
  /break = HH1 HH2
  /totmemb = sum(member).

*open the aggregate file.
get file = 'tmp.sav'.

*sort the cases by cluster number and household number.
sort cases by HH1 HH2 .

*save the sorted cases in a working file.
save outfile = 'tmp.sav'.

*open the household data file.
get file = 'hh.sav'.

*sort the cases by cluster number and household number.
sort cases by HH1 HH2 .

*merge the aggregate data onto the household data file.
match files
  /file = *
  /table = 'tmp.sav'
  /by HH1 HH2 .

save outfile='bad.sav'
  /keep HH1 HH2 HH11 HH12 HH13 HH14 HH15 totmemb.

*** CREATE AGGREGATE FILE FROM WOMAN DATA FILE ***.

get file = 'wm.sav'.

compute woman = 1.

* aggregate womens cases to a temporary file.
aggregate outfile = 'tmp.sav'
  /break = HH1 HH2
  /totwoman = sum(woman).

*open the aggregate file.
get file = 'tmp.sav'.
```

```
*sort the cases by cluster number and household number.
sort cases by HH1 HH2.

*save the sorted cases in a working file.
save outfile = 'tmp.sav'.

*open the household data file.
get file = 'bad.sav'.

*sort the cases by cluster number and household number.
sort cases by HH1 HH2.

*merge the aggregate data onto the household data file.
match files
  /file = *
  /table = 'tmp.sav'
  /by HH1 HH2.

save outfile='bad1.sav'
  /keep HH1 HH2 HH11 HH12 HH13 HH14 HH15 totmemb totwoman.

*** CREATE AGGREGATE FILE FROM CHILDREN DATA FILE ***.

get file = 'ch.sav'.

compute kid = 1.

*aggregate sum of child cases to temporary file.

aggregate outfile = 'tmp.sav'
  /break = HH1 HH2
  /totkid = sum(kid).

*open the aggregate file.
get file = 'tmp.sav'.

*sort the cases by cluster number and household number.
sort cases by HH1 HH2.

*save the sorted cases in a working file.
save outfile = 'tmp.sav'.

*open the household data file.
get file = 'bad1.sav'.

*sort the cases by cluster number and household number.
sort cases by HH1 HH2.

*merge the aggregate data onto the household data file.
match files
  /file = *
  /table = 'tmp.sav'
  /by HH1 HH2.

save outfile='bad2.sav'
  /keep HH1 HH2 HH11 HH12 HH13 HH14 HH15 totmemb totwoman totkid.
```

```
** CHECK AGGREGATE TOTALS AGAINST HOUSEHOLD TOTALS **.

get file='bad2.sav'.
if sysmis(totmemb) totmemb = 0.
if sysmis(totwoman) totwoman = 0.
if sysmis(totkid) totkid = 0.
if sysmis(HH11) HH11 = 0.
if sysmis(HH12) HH12 = 0.
if sysmis(HH13) HH13 = 0.
if sysmis(HH14) HH14 = 0.
if sysmis(HH15) HH15 = 0.

compute badmemb = 0.
if totmemb <> HH11 badmemb = 1.
compute badwom=0.
if totwoman <> HH12 badwom = 1.
compute badkid=0.
if totkid <> HH14 badkid = 1.

select if badmemb = 1 or badwom = 1 or badkid = 1.
save outfile = 'bad.sav'.

get file='bad.sav'.
report
  /format = automatic list
  /title = "MICS3 " "Listing of inconsistencies between cases reported " "at
household level and within the women's and children's files"
  /footnote = "Inconsistency information also saved in BAD.SAV"
  /variables = HH11 totmemb "# in" "HHMem" "file" HH12  totwoman "# in" "Woman"
"file" HH14  totkid "# in" "child" "file"
  /break = HH1 HH2 'Cluster' 'Household'.

* clean up temporary files.
erase file='bad1.sav'.
erase file='bad2.sav'.

* open a new, empty file.
new file.




**********File: consis2



** CHECK HOUSEHOLD LISTING FILE AGAINST HOUSEHOLD FILE **.

*open the household data file.
get file = 'hh.sav'.

compute check = 1.

*sort the cases by cluster number, household number.
```

```
sort cases by HH1 HH2.

*save the sorted cases in a working file.
save outfile = 'tmp.sav'
  /keep = HH1 HH2 check.

*open the household listing data file.
get file = 'hl.sav'.

*sort the cases by cluster number and household number.
sort cases by HH1 HH2.

*merge the household file onto the household listing file.
match files
  /file = *
  /table = 'tmp.sav'
  /by HH1 HH2.

save outfile = 'check.sav'.

get file = 'check.sav'.

do if (sysmis(check)).
  print / 'HH member ID' HH1 HH2 HL1.
  print / 'Case present in Household listing file but not in household file'.
  print / ''.
end if.
execute.

* open a new, blank data file.
new file.

*erase the working file.
erase file = 'tmp.sav'.
erase file = 'check.sav'.

** CHECK WOMEN'S FILE AGAINST THE HOUSEHOLD FILE **.

*open the household file.
get file = 'HH.sav'.

compute check = 1.

*sort the cases by cluster number, household number.
sort cases by HH1 HH2 .

*save the sorted cases in a working file.
save outfile = 'tmp.sav'
  /keep = HH1 HH2 check.

*open the women's data file.
get file = 'wm.sav'.

*sort the cases by cluster number, household number and line number.
sort cases by HH1 HH2 LN.

*merge the household file onto the women's file.
```

```
match files
  /file = *
  /table = 'tmp.sav'
  /by HH1 HH2.

save outfile = 'check.sav'.

get file = 'check.sav'.

do if (sysmis(check)).
  print / 'Woman ID :'  HH1 HH2 LN.
  print / 'Case present in womens file but not in household file'.
  print / ''.
end if.
execute.

* open a new, blank data file.
new file.

*erase the working file.
erase file = 'tmp.sav'.
erase file = 'check.sav'.

** CHECK WOMEN'S FILE AGAINST THE HOUSEHOLD LISTING FILE **.

*open the household listing file.
get file = 'HL.sav'.

compute check = 1.

*sort the cases by cluster number, household number.
sort cases by HH1 HH2 HL1 .

*save the sorted cases in a working file.
save outfile = 'tmp.sav'
  /rename (HL1 = LN)
  /keep = HH1 HH2 LN check.

*open the women's data file.
get file = 'wm.sav'.

*sort the cases by cluster number, household number and line number.
sort cases by HH1 HH2 LN.

*merge the household file onto the women's file.
match files
  /file = *
  /table = 'tmp.sav'
  /by HH1 HH2 LN.

save outfile = 'check.sav'.

get file = 'check.sav'.

do if (sysmis(check)).
  print / 'Woman ID :'  HH1 HH2 LN.
  print / 'Case present in womens file but not in household listing file'.
```

```
  print / ''.
end if.
execute.

* open a new, blank data file.
new file.

*erase the working file.
erase file = 'tmp.sav'.
erase file = 'check.sav'.

** CHECK CHILDREN'S FILE AGAINST THE HOUSEHOLD FILE **.

* open the household file.
get file = 'HH.sav'.

compute check =1.

*sort the cases by cluster number, household number.
sort cases by HH1 HH2.

*save the sorted cases in a working file.
save outfile = 'tmp.sav'
  /keep = HH1 HH2 check .

*open the child's data file.
get file = 'ch.sav'.

*sort the cases by cluster number, household number and line number.
sort cases by HH1 HH2 LN .

*merge the household listing file onto the child's file.
match files
  /file = *
  /table = 'tmp.sav'
  /by HH1 HH2.

save outfile = 'check.sav'.

get file = 'check.sav'.

do if (sysmis(check)).
  print / 'Child ID :' HH1 HH2 LN.
  print /'Case present in child file but not in household file'.
  print / ''.
end if.
execute.

* open a new, blank data file.
new file.

*erase the working file.
erase file = 'tmp.sav'.
erase file = 'check.sav'.

** CHECK CHILDREN'S FILE AGAINST THE HOUSEHOLD LISTING FILE **.
```

```
* open the household file.
get file = 'HL.sav'.

compute check =1.

*sort the cases by cluster number, household number.
sort cases by HH1 HH2 HL1.

*save the sorted cases in a working file.
save outfile = 'tmp.sav'
  /rename = (HL1 = LN)
  /keep = HH1 HH2 LN check .

*open the child's data file.
get file = 'ch.sav'.

*sort the cases by cluster number, household number and line number.
sort cases by HH1 HH2 LN .

*merge the household listing file onto the child's file.
match files
  /file = *
  /table = 'tmp.sav'
  /by HH1 HH2 LN.

save outfile = 'check.sav'.

get file = 'check.sav'.

do if (sysmis(check)).
  print / 'Child ID :' HH1 HH2 LN.
  print /'Case present in child file but not in household listing file'.
  print / ''.
end if.
execute.

* open a new, blank data file.
new file.

*erase the working file.
erase file = 'tmp.sav'.
erase file = 'check.sav'.



*****************************File: include "01 - HH.01.sps".


get file = 'hh.sav'.

compute sampled = 1.


recode HH9 (1,2,3,6 = 1) (else = 0) into occupied.

recode HH9 (1 = 1) (else = 0) into complete.
```

```
compute total = 1.
variable label total "Total".
value label total 1 "".

aggregate outfile = 'tmp1.sav'
  /break   = HH6
  /hhsamp  = sum(sampled)
  /hhoccup = sum(occupied)
  /hhcomp  = sum(complete)
  /women   = sum(HH12)
  /cwomen  = sum(HH13)
  /kids    = sum(HH14)
  /ckids   = sum(HH15).

aggregate outfile = 'tmp2.sav'
  /break   = HH7
  /hhsamp  = sum(sampled)
  /hhoccup = sum(occupied)
  /hhcomp  = sum(complete)
  /women   = sum(HH12)
  /cwomen  = sum(HH13)
  /kids    = sum(HH14)
  /ckids   = sum(HH15).

aggregate outfile = 'tmp3.sav'
  /break   = total
  /hhsamp  = sum(sampled)
  /hhoccup = sum(occupied)
  /hhcomp  = sum(complete)
  /women   = sum(HH12)
  /cwomen  = sum(HH13)
  /kids    = sum(HH14)
  /ckids   = sum(HH15).

get file = 'tmp1.sav'.

add files
  /file = *
  /file = 'tmp2.sav'
  /file = 'tmp3.sav'.

variable label
  hhsamp   "Sampled households"
  /hhoccup "Occupied households"
  /hhcomp  "Interviewed households"
  /women   "Eligible women"
  /cwomen  "Interviewed women"
  /kids    "Eligible children under 5"
  /ckids   "Mother/Caretaker Interviewed "
.

compute hhrr = (hhcomp/hhoccup)*100.
variable label hhrr "Household response rate".

compute wmrr = (cwomen/women)*100.
variable label wmrr "Women response rate".
```

```
compute orw = (hhrr*wmrr)/100.
variable label orw "Women's overall response rate".

compute chrr = (ckids/kids)*100.
variable label chrr "Child response rate".

compute orc = (hhrr*chrr)/100.
variable label orc "Children's overall response rate".

tables
  /format = zero
  /observation = hhsamp hhoccup hhcomp hhrr women cwomen wmrr orw kids ckids
        chrr orc
  /table = hhsamp + hhoccup + hhcomp + hhrr + women + cwomen + wmrr + orw +
        kids + ckids + chrr + orc BY HH6 + HH7 + total
  /statistics
    maximum(hhsamp '' (f7.0))
    maximum(hhoccup '' (f7.0))
    maximum(hhcomp '' (f7.0))
    maximum(hhrr '' (f7.1))
    maximum(women '' (f7.0))
    maximum(cwomen'' (f7.0))
    maximum(wmrr '' (f7.1))
    maximum(orw '' (f7.1))
    maximum(kids '' (f7.0))
    maximum(ckids '' (f7.0))
    maximum(chrr '' (f7.1))
    maximum(orc '' (f7.1))
  /title
    "Table HH.1: Results of household and individual interviews"
            "Numbers of households, women and children under 5 by results of the
"+
            "household, women's and under-five's interviews, and household,
women's "+
            "and under-five's response rates, The Gambia, 2005/2006".

new file.

*delete working files.
erase file = 'tmp1.sav'.
erase file = 'tmp2.sav'.
erase file = 'tmp3.sav'.


*****************************File:include "01 - HH.02.sps".


get file = 'hl.sav'.


weight by hhweight.

recode HL5 (0 thru 4 = 1) (5 thru  9 = 2) (10 thru  14 = 3) (15 thru  19 = 4)
  (20 thru 24 = 5) (25  thru 29 = 6) (30 thru  34 = 7) (35 thru 39 = 8)
  (40 thru 44 = 9) (45 thru 49 = 10) (50 thru 54 = 11) (55 thru  59 = 12)
  (60 thru 64 = 13) (65 thru  69 = 14)  (70 thru 97 = 15) (98,99 = 99)
  into memage.
```

```
variable label memage "Age".
value label memage
      1     "0-4"
      2     "5-9"
      3     "10-14"
      4     "15-19"
      5     "20-24"
      6     "25-29"
      7     "30-34"
      8     "35-39"
      9     "40-44"
      10    "45-49"
      11    "50-54"
      12    "55-59"
      13    "60-64"
      14    "65-69"
      15  "70+"
  99  "Missing/DK".

recode HL5 (0 thru 14 = 1) (15 thru 64 =2 ) (65 thru  97 = 3) (98,99 = 99)
  into depend.
variable label depend "Dependency age groups".
value label depend
  1  "<15"
  2  "15-64"
  3  "65+"
  99 "Missing/DK".

recode hl5 (0 thru 17 = 1) (else = 2) into  age017.
variable label age017 "Age".
value label age017 1 "Children aged 0-17" 2 "Adults 18+/Missing/DK".

tables
  /format = zero
  /ftotal = tot1 "Total"
  /table = memage + depend + age017 + tot1 by hl4 + tot1
  /statistics
    count(hl4 (f5.0) 'Number')
    cpct(hl4 (f5.1) 'Percent': hl4)
  /title
    "Table HH.2: Household age distribution by sex"
            "Percent distribution of the household population by five-year age
"+
            "groups and dependency age groups, and number of children aged 0-17
"+
            "years, by sex, The Gambia, 2005/2006 ".

new file.
```

```
*****************************File:include "01 - HH.03.sps".
get file = 'hl.sav'.


compute kid18 = 0.
if (HL5 < 18) kid18 = 1.

aggregate outfile = 'tmp.sav'
  /break =  HH1 HH2
  /totkid18 = sum(kid18).

* open the aggregate file.
get file = 'tmp.sav'.

* sort the cases by cluster number and household number.
sort cases by HH1 HH2.

* save the sorted cases in a working file.
save outfile = 'tmp.sav'.

* open the household data file.
get file = 'hh.sav'.

* select completed households.
select if (HH9  = 1).

* sort the cases by cluster number and household number.
sort cases by HH1 HH2.

* merge the aggregate data onto the household data file.
match files
  /file = *
  /table = 'tmp.sav'
  /by  HH1 HH2.

weight by hhweight.

recode HH11 (1 = 1) (2,3 = 2) (4,5 = 3) (6,7 = 4) (8,9 = 5) (10 thru hi = 6)
      into hhmember.
variable label hhmember "Number of household members".
value label hhmember
  1 "1"
  2 "2-3"
  3 "4-5"
  4 "6-7"
  5 "8-9"
  6 "10+".

recode totkid18 (0 = 0) (1 thru hi = 100) into kid18.
variable label kid18 "At least one child aged < 18 years".

recode HH14 (0 = 0) (1 thru hi = 100) into kid5.
variable label kid5 "At least one child aged < 5 years".

recode HH12 (0 = 0) (1 thru hi = 100) into woman.
variable label woman "At least one woman aged 15-49 years".
```

```
tables
  /format = zero
  /ftotal = tot1 "Total"
  /table = hhsex + HH7 + HH6 + hhmember + HC1C + tot1 by (statistics)
  /statistics =
    cpct(hhsex (f5.1) 'Weighted percent')
    count(hhsex (f5.0) 'Number of households weighted')
    unw count(hhsex (f5.0) 'Number of households unweighted')
    cpct(HH7 (f5.1) 'Weighted percent')
    count(HH7 (f5.0) 'Number of households weighted')
    unw count(HH7 (f5.0) 'Number of households unweighted')
    cpct(HH6 (f5.1) 'Weighted percent')
    count(HH6 (f5.0) 'Number of households weighted')
    unw count(HH6 (f5.0) 'Number of households unweighted')
    cpct(hhmember (f5.1) 'Weighted percent')
    count(hhmember (f5.0) 'Number of households weighted')
    unw count(hhmember (f5.0) 'Number of households unweighted')
    cpct(HC1C (f5.1) 'Weighted percent')
    count(HC1C (f5.0) 'Number of households weighted')
    unw count(HC1C (f5.0) 'Number of households unweighted')
  /title =
    "Table HH.3: Household composition"
            "Percent distribution of households by selected characteristics, "+
            "The Gambia, 2005/2006".

tables
  /format = zero
  /observation = kid18 kid5 woman
  /table = kid18 + kid5 + woman by (statistics)
  /statistics =
    mean(kid18 (f5.1) 'Weighted percent')
    validn(kid18 (f5.0) 'Number of households weighted')
    unw validn(kid18 (f5.0) 'Number of households unweighted')
    mean(kid5 (f5.1) 'Weighted percent')
    validn(kid5 (f5.0) 'Number of households weighted')
    unw validn(kid5 (f5.0) 'Number of households unweighted')
    mean(woman (f5.1) 'Weighted percent')
    validn(woman (f5.0) 'Number of households weighted')
    unw validn(woman (f5.0) 'Number of households unweighted')
  /title =
    "Table HH.3: Household composition"
            "Percent distribution of households by selected characteristics, "+
            "The Gambia, 2005/2006".

new file.

erase file = 'tmp.sav'.


*****************************File:include "01 - HH.04.sps".

get file = 'wm.sav'.


select if (WM7 = 1).

weight by wmweight.
```

```
variable label CM1 "Motherhood status".
value label CM1
      1 "Ever gave birth"
      2 "Never gave birth".

tables
  /format = zero
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + wage + mstatus + CM1 + melevel + wlthind5 + HC1C + tot1
           by (statistics)
  /statistics
    cpct(HH7 (f5.1) 'Weighted percent')
    count(HH7 (f5.0) 'Number of women weighted')
    unw count(HH7 (f5.0) 'Number of women unweighted')
    cpct(HH6 (f5.1) 'Weighted percent')
    count(HH6 (f5.0) 'Number of women weighted')
    unw count(HH6 (f5.0) 'Number of women unweighted')
    cpct(wage (f5.1) 'Weighted percent')
    count(wage (f5.0) 'Number of women weighted')
    unw count(wage (f5.0) 'Number of women unweighted')
    cpct(mstatus (f5.1) 'Weighted percent')
    count(mstatus (f5.0) 'Number of women weighted')
    unw count(mstatus (f5.0) 'Number of women unweighted')
    cpct(CM1 (f5.1) 'Weighted percent')
    count(CM1 (f5.0) 'Number of women weighted')
    unw count(CM1 (f5.0) 'Number of women unweighted')
    cpct(melevel (f5.1) 'Weighted percent')
    count(melevel (f5.0) 'Number of women weighted')
    unw count(melevel (f5.0) 'Number of women unweighted')
    cpct(wlthind5 (f5.1) 'Weighted percent')
    count(wlthind5 (f5.0) 'Number of women weighted')
    unw count(wlthind5 (f5.0) 'Number of women unweighted')
    cpct(HC1C (f5.1) 'Weighted percent')
    count(HC1C (f5.0) 'Number of women weighted')
    unw count(HC1C (f5.0) 'Number of women unweighted')
  /title
    "Table HH.4: Women's background characteristics"
            "Percent distribution of women aged 15-49 years by background "+
            "characteristics, The Gambia, 2005/2006".

new file.


*****************************File:include "01 - HH.05.sps".

get file = 'ch.sav'.

select if (UF9 = 1).
weight by chweight.

tables
  /format = zero
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + cage_6 + melevel + wlthind5 + HC1C + tot1
           by (statistics)
  /statistics
```

```
    cpct(HL4 (f5.1) 'Weighted percent')
    count(HL4 (f5.0) 'Number of under-5 children weighted')
    unw count(HL4 (f5.0) 'Number of under-5 children unweighted')
    cpct(HH7 (f5.1) 'Weighted percent')
    count(HH7 (f5.0) 'Number of under-5 children weighted')
    unw count(HH7 (f5.0) 'Number of under-5 children unweighted')
    cpct(HH6 (f5.1) 'Weighted percent')
    count(HH6 (f5.0) 'Number of under-5 children weighted')
    unw count(HH6 (f5.0) 'Number of under-5 children unweighted')
    cpct(cage_6 (f5.1) 'Weighted percent')
    count(cage_6 (f5.0) 'Number of under-5 children weighted')
    unw count(cage_6 (f5.0) 'Number of under-5 children unweighted')
    cpct(melevel (f5.1) 'Weighted percent')
    count(melevel (f5.0) 'Number of under-5 children weighted')
    unw count(melevel (f5.0) 'Number of under-5 children unweighted')
    cpct(wlthind5 (f5.1) 'Weighted percent')
    count(wlthind5 (f5.0) 'Number of under-5 children weighted')
    unw count(wlthind5 (f5.0) 'Number of under-5 children unweighted')
    cpct(HC1C (f5.1) 'Weighted percent')
    count(HC1C (f5.0) 'Number of under-5 children weighted')
    unw count(HC1C (f5.0) 'Number of under-5 children unweighted')
  /title
    "Table HH.5: Children's background characteristics"
            "Percent distribution of children under five years of age by
background "+
            "characteristics, The Gambia,  2005/2006".

new file.



*****************************File:include "02 - CM.01&CM.02.sps".


* Runs mortality for each background characteristic.
*Male.
Title 'Male'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

*total children ever born.
compute ceb = 0.
if (CM3 = 1) ceb = ceb + CM4A.
if (CM5 = 1) ceb = ceb + CM6A.
if (CM7 = 1) ceb = ceb + CM8A.

*number of dead children.
do if (CM7 = 1).
+ compute deadkids = CM8A.
else.
+ compute deadkids = 0.
end if.

weight by wmweight.
```

```
* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 1.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if (wage  = 3  or  wage  = 4).
compute sex = 1.

aggregate outfile = 'C:\mics\spss\tmpresult.sav'
  /break sex
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).



*------------------------------------------------------------------.
*Female.
Title 'Female'.

get file='c:\mics\spss\WM.sav'.
select if (WM7 = 1).

*total children ever born.
compute ceb = 0.
if (CM3 = 1) ceb = ceb + CM4B.
if (CM5 = 1) ceb = ceb + CM6B.
if (CM7 = 1) ceb = ceb + CM8B.

*number of dead children.
do if (CM7 = 1).
+ compute deadkids = CM8B.
else.
+ compute deadkids = 0.
end if.

weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 2.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute sex = 2.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break sex
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
```

```
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Region 1.
Title 'Banjul and Kanifing'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH7 = 1).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HH7 = 1.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HH7
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.

*------------------------------------------------------------------.
*Region 3.
Title 'Brikama'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH7 = 3).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.
```

```
* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HH7 = 3.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HH7
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*-----------------------------------------------------------------.
*Region 4.
Title 'Mansakonko'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH7 = 4).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HH7 = 4.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HH7
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*-----------------------------------------------------------------.
*Region 5.
```

```
Title 'Kerewan'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH7 = 5).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HH7 = 5.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HH7
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*------------------------------------------------------------------.
*Region 6.
Title 'Kuntaur'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH7 = 6).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HH7 = 6.

aggregate outfile = 'C:\mics\spss\tmp.sav'
```

```
  /break HH7
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.

*.............................................................

*Region 7.
Title 'Janjabureh'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH7 = 7).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HH7 = 7.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HH7
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.

*.............................................................

*Region 8.
Title 'Basse'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH7 = 8).
FILTER BY filter_$.
weight by wmweight.
```

```
* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HH7 = 8.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HH7
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.

*------------------------------------------------------------------.
*Urban.
Title 'Urban'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH6 = 1).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute hh6 = 1.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break hh6
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
```

```
*Rural.
Title 'Rural'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HH6 = 2).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute hh6 = 2.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break hh6
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Mother's education.
Title 'None'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (melevel = 1).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute melevel = 1.

aggregate outfile = 'C:\mics\spss\tmp.sav'
```

```
  /break melevel
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Mother's education .
Title 'Primary'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (melevel = 2).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute melevel = 2.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break melevel
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Mother's education.
Title 'Secondary+'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (melevel = 3).
FILTER BY filter_$.
```

```
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute melevel = 3.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break melevel
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Wealth index quintiles.
Title 'Poorest'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (Wlthind5 = 1).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute Wlthind5 = 1.

aggregate outfile = 'tmp.sav'
  /break Wlthind5
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.
```

```
*------------------------------------------------------------------.
*Wealth index quintiles..
Title 'Second'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (Wlthind5 = 2).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute Wlthind5 = 2.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break Wlthind5
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Wealth index quintiles.
Title 'Middle'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (Wlthind5 = 3).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
```

```
select if(wage  = 3 or  wage  = 4).
compute Wlthind5 = 3.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break Wlthind5
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Wealth index quintiles.
Title 'Fourth'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (Wlthind5 = 4).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute Wlthind5 = 4.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break Wlthind5
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Wealth index quintiles.
Title 'Richest'.

get file='c:\mics\spss\WM.sav'.
```

```
select if (WM7 = 1).

compute filter_$ =  (Wlthind5 = 5).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute Wlthind5 = 5.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break Wlthind5
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.


*-----------------------------------------------------------------.
*Wealth index quintiles.
Title 'Mandinka'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HC1C = 1).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HC1C = 1.

aggregate outfile = 'tmp.sav'
  /break HC1C
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
```

```
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Wealth index quintiles..
Title 'Wollof'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HC1C = 2).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HC1C = 2.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HC1C
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*------------------------------------------------------------------.
*Wealth index quintiles.
Title 'Jola'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HC1C = 3).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
```

```
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HC1C = 3.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HC1C
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*-----------------------------------------------------------------.
*Wealth index quintiles.
Title 'Pulaar'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HC1C = 4).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HC1C = 4.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HC1C
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.



*-----------------------------------------------------------------.
*Wealth index quintiles.
Title 'Serere'.
```

```
get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HC1C = 5).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HC1C = 5.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HC1C
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.


*-----------------------------------------------------------------.
*Wealth index quintiles.
Title 'Other ethnic group'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

compute filter_$ =  (HC1C = 6).
FILTER BY filter_$.
weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute HC1C = 6.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break HC1C
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).
```

```
get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.
save outfile='C:\mics\spss\tmpresult.sav'.


*------------------------------------------------------------------.
*Total.
Title 'Total'.

get file='c:\mics\spss\WM.sav'.

select if (WM7 = 1).

weight by wmweight.

* Set sex  1 = male, 2 = female, 3 = total.
compute qfivesex = 3.

* Execute the bulk of the qfive process.
include file = 'C:\mics\spss\qfive setup.sps'.

* Calculate mean of 25-29 and 30-34 group from the South model.
select if(wage  = 3 or  wage  = 4).
compute total = 1.

aggregate outfile = 'C:\mics\spss\tmp.sav'
  /break total
  /imr = mean(imrso)
  /u5mr = mean(u5mrso).

get file 'C:\mics\spss\tmpresult.sav'.
add files
  /file = *
  /file = 'C:\mics\spss\tmp.sav'.



*------------------------------------------------------------------.

variable label imr 'Infant Mortality Rate*'.
variable label u5mr 'Under-five Mortality Rate**'.
variable label sex 'Sex'.
variable label hh7 'Region'.
variable label hh6 'Area'.
variable label Wlthind5 'Wealth index quintiles'.
variable label melevel "Mother's education".
variable label HC1C "Ethnic group".


value label sex 1 'Male' 2 'Female'.
value label hh7
 1 'Banjul & Kanifing'
 3 'Brikama'
 4 'Mansakonko'
```

```
 5 'Kerewan'
 6 'Kuntaur'
 7 'Jajabureh'
 8 'Basse'.
value label HC1C
 1 'Mandinka'
 2 'Wollof'
 3 'Jola'
 4 'Pulaar'
 5 'Serere'
 6 'Other ethnic group'.
value label hh6 1 'Urban' 2 'Rural'.
value label wlthind5 1 'Poorest' 2 'Second' 3 "Middle" 4 "Fourth" 5 "Richest".
value label melevel 1 'None' 2 'Primary' 3 'Secondary+'.
value label total 1 'Total'.

Compute imrm = imr*1000.
Compute u5mrm = u5mr*1000.
variable label imrm 'Infant Mortality Rate*'.
variable label u5mrm "Under-five Mortality Rate**".

* Comment - table below commented out and replaced by custom table
table
  /observation = imrm u5mrm
  /table= sex +hh7+ hh6 +wlthind5+melevel+ total  by imrm + u5mrm
  /statistics
    mean( imrm( F7.0 )'')
    mean( u5mrm( F7.0 ) '')
  /title
   "Table CM.1: Early child mortality"
   "Infant and under-five mortality rates by background and demographic
characteristics [BASED ON SOUTH], The Gambia, 2005/2006"
  /caption
       "* MICS indicator 2; MDG indicator 14"
       "** MICS indicator 1; MDG indicator13".

CTABLES
  /MRSETS COUNTDUPLICATES=YES
  /FORMAT EMPTY=BLANK
  /TABLE sex[C]+hh7[C]+hh6[C]+wlthind5[C]+melevel[C]+HC1C[C]+total[C] BY
         imrm[S][MEAN,'',F7.0]+u5mrm[S][MEAN,'',F7.0]
  /CATEGORIES VAR=ALL EMPTY=EXCLUDE MISSING=EXCLUDE
  /SLABELS POSITION=COLUMN
  /TITLE TITLE="Table CM.1: Child mortality"
   "Infant and under-five mortality rates by background and demographic
characteristics [BASED ON SOUTH], The Gambia, 2005/2006"
            CAPTION="* MICS indicator 2; MDG indicator 14"
                          "** MICS indicator 1; MDG indicator 13".

new file.
erase file='C:\mics\spss\tmp.sav'.
erase file='C:\mics\spss\tmp2.sav'.
erase file='C:\mics\spss\tmpcmr.sav'.
erase file='C:\mics\spss\tmpresult.sav'.
```

```
*****************************File:include "03 - NU.01.sps".

get file = 'ch.sav'.


select if (UF9 = 1).

weight by chweight.

compute notmeas = 0.
if (AN4 <> 1) notmeas = 100.
variable label notmeas "Children not measured".

compute missage = 0.
if (notmeas = 0 & (UF10M >= 96 or UF10Y >= 9996)) missage = 100.
variable label missage "Missing month or year of birth".

compute misshw = 0.
if (AN1 >= 99.0 or AN2 >= 999.0) misshw = 100.
variable label misshw "Missing height or weight".

compute missflag = 0.
if (notmeas = 0 & missage = 0 & misshw = 0 & flag <> 0) missflag = 100.
variable label missflag "Other flagged cases".

compute totflag = 0.
if (notmeas = 100 or missage = 100 or misshw = 100 or flag <> 0) totflag = 100.
variable label totflag "Total cases excluded from analysis".

tables
  /format = zero
  /observation = notmeas misshw missage missflag totflag
  /ftotal = tot1 "Total" tot2 "Number of children"
  /table = HL4 + HH7 + HH6 + cage_6 + melevel + wlthind5 + HC1C + tot1
      by notmeas + misshw + missage + missflag + totflag + tot2
  /statistics
    mean(notmeas (f5.1) '')
    mean(misshw (f5.1) '')
    mean(missage (f5.1) '')
    mean(missflag (f5.1) '')
    mean(totflag (f5.1) '')
    count(tot2 (f5.0) '')
  /title
    "Table NU.1: Child malnourishment (Working table)"
            "Percentage of under-five children with missing height or weight, "+
            "The Gambia, 2005/2006".

select if (FLAG = 0).

do if (misshw = 0).
+ recode WAZ (-2.00 thru hi = 0) (else = 100) into wa2.
+ recode WAZ (-3.00 thru hi = 0) (else = 100) into wa3.
+ recode HAZ (-2.00 thru hi = 0) (else = 100) into ha2.
+ recode HAZ (-3.00 thru hi = 0) (else = 100) into ha3.
+ recode WHZ (-2.00 thru hi = 0) (else = 100) into wh2.
+ recode WHZ (-3.00 thru hi = 0) (else = 100) into wh3.
+ recode WHZ (lo thru +2.00 = 0) (else = 100) into wh3a.
```

```
else.
+ compute wa2 = 9.
+ compute wa3 = 9.
+ compute ha2 = 9.
+ compute ha3 = 9.
+ compute wh2 = 9.
+ compute wh3 = 9.
+ compute wh3a = 9.
end if.
variable label wa2 "Weight for age: % below -2 SD".
variable label wa3 "Weight for age: % below -3 SD*".
variable label ha2 "Height for age: % below -2 SD".
variable label ha3 "Height for age: % below -3 SD**".
variable label wh2 "Weight for height: % below -2 SD".
variable label wh3 "Weight for height: % below -3 SD***".
variable label wh3a "Weight for height: % above +2 SD".

missing values wa2 wa3 ha2 ha3 wh2 wh3 wh3a (9).

tables
  /format = zero
  /observation = wa2 wa3 ha2 ha3 wh2 wh3 wh3a
  /ftotal = tot1 "Total" tot2 "Number of children"
  /table = HL4 + HH7 + HH6 + cage_6 + melevel + wlthind5 + HC1C + tot1
           by wa2 + wa3 + ha2 + ha3 + wh2 + wh3 +wh3a+ tot2
  /statistics
    mean(wa2 (f5.1) '')
    mean(wa3 (f5.1) '')
    mean(ha2 (f5.1) '')
    mean(ha3 (f5.1) '')
    mean(wh2 (f5.1) '')
    mean(wh3 (f5.1) '')
    mean(wh3a (f5.1) '')
    count(tot2 (f5.0) '')
  /title
    "Table NU.1: Child malnourishment"
           "Percentage of under-five children who are severely or moderately "+
           "undernourished, The Gambia, 2005/2006"
  /caption
    "* MICS indicator 6; MDG indicator 4"
           "** MICS indicator 7"
           "*** MICS indicator 8".

new file.


**************************File:include "03 - NU.02.sps".

get file = 'wm.sav'.

select if (WM7 = 1).
weight by wmweight.

select if (CM12 = "Y" or CM12 = "O" or CM12 = "S").

* set random number seed.
set seed = 1003.
```

```
* calculate months since last birth IF last birth in last two years.
do if (CM11Y < 9996 and CM11M < 96).
+ compute wdolb = (CM11Y - 1900)*12 + CM11M.
+ if (cmcdoiw - wdolb = 24) wdolb = wdolb + 1 .
else if (CM11Y < 9996).
+ compute udolb = (CM11Y - 1900)*12 + 12.
+ compute ldolb = (CM11Y - 1900)*12 + 1.
+ if (cmcdoiw - ldolb >= 24) ldolb = cmcdoiw - 23.
+ compute wdolb = trunc(rv.uniform(ldolb,udolb)).
end if.
compute mslbrth = cmcdoiw - wdolb.
variable label mslbrth "Months since last birth".
variable label wdolb "Date of last birth (CMC)".

*create a recoded months variable since last birth.
recode mslbrth (0 thru 5 = 1) (6 thru 11 = 2) (12 thru 23 = 3) into mslbrthr.
variable label mslbrthr "Months since last birth".
value label mslbrthr
  1 "< 6 months"
  2 "6-11 months"
  3 "12-23 months".

compute w1hour = 0.
if ((MN13U = 1 and MN13N = 0) or MN13U  = 0) w1hour = 100.
variable label w1hour "Percentage who started breastfeeding within one hour "+
  "of birth*".

compute w1day = 0.
if (MN13U = 0 or  MN13U = 1) w1day = 100.
variable label w1day "Percentage who started breastfeeding within one day of
birth".

compute total = 1.
value label total 1 "".
variable label total "Number of women with live birth in the two years "+
  "preceding the survey".

tables
  /format = zero
  /observation = w1hour w1day
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + mslbrthr + melevel + wlthind5 + HC1C + tot1
            by w1hour + w1day + total
  /statistics
    mean(w1hour (f5.1) '')
    mean(w1day (f5.1) '')
    count(total (f5.0) '')
  /title
    "Table NU.2: Intitial breastfeeding"
            "Percentage of women aged 15-49 years with a birth in the 2 years
preceding the survey "+
            "who breastfed their baby within one hour of birth and within one
day of birth, The Gambia, 2005/2006"
  /caption
      "* MICS indicator 45".
```

```
new file.

***************************File:include "03 - NU.03.sps".

get file = 'ch.sav'.


weight by chweight.

select if (UF9 = 1).

do if (cage >= 0 and cage <= 3).
+ compute exbf = 0.
+ if (BF2 = 1 & (BF3B <> 1 & BF3C <> 1 & BF3D <> 1 & BF3E <> 1 & BF3F <> 1 &
  BF3G <> 1 & BF3H <> 1))     exbf = 100.
end if.
variable label exbf "Children 0-3 months".

do if (cage >= 0 and cage <= 5).
+ compute exbf5 = 0.
+ if (BF2 = 1 & (BF3B <> 1 & BF3C <> 1 & BF3D <> 1 & BF3E <> 1 & BF3F <> 1 &
  BF3G <> 1 & BF3H <> 1))     exbf5 = 100.
end if.
variable label exbf5 "Children 0-5 months".

do if (cage >= 6 and cage <= 9).
+ compute solids = 0.
+ if (BF2 = 1 and BF3H = 1) solids = 100.
end if.
variable label solids "Children 6-9 months".

do if (cage >= 12 and cage <= 15).
+ compute bf12_15 = 0.
+ if (BF2 = 1) bf12_15 = 100.
end if.
variable label bf12_15 "Children  12-15 months".

do if (cage >= 20 and cage <= 23).
+ compute bf20_23 = 0.
+ if (BF2 = 1) bf20_23 = 100.
end if.
variable label bf20_23 "Children 20-23 months".

tables
  /format = zero
  /observation = exbf exbf5 solids bf12_15 bf20_23
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + melevel + wlthind5 + HC1C + tot1 by
            exbf + exbf5 + solids + bf12_15 + bf20_23
  /statistics
    mean(exbf (f5.1) 'Percent exclusively breastfed')
    validn(exbf (f5.0) 'Number of children')
    mean(exbf5 (f5.1) 'Percent exclusively breastfed *')
    validn(exbf5 (f5.0) 'Number of children')
    mean(solids (f5.1) 'Percent receiving breastmilk and solid/mushy food **')
    validn(solids (f5.0) 'Number of children')
    mean(bf12_15 (f5.1) 'Percent breastfed***')
```

```
    validn(bf12_15 (f5.0) 'Number of children')
    mean(bf20_23 (f5.1) 'Percent breastfed ***')
    validn(bf20_23 (f5.0) 'Number of children')
  /title
    "Table NU.3: Breastfeeding"
            "Percent of living children according to breastfeeding status at
each "+
            "age group, The Gambia, 2005/2006"
  /caption
    "* MICS indicator 15 "
            "** MICS indicator 17"
            "*** MICS indicator 16".

new file.



*****************************File:include "03 - NU.03w.sps".


get file = 'ch.sav'.

weight by chweight.

select if (UF9 = 1 and cage < 36).

compute bf = 0.
if (BF2 = 1 & (BF3B <> 1 & BF3C <> 1 & BF3D <> 1 & BF3E <> 1 & BF3F <> 1 & BF3G
<> 1 & BF3H <> 1)) bf = 1.
if (BF2 = 1 & (BF3B  = 1 & BF3C <> 1 & BF3D <> 1 & BF3E <> 1 & BF3F <> 1 & BF3G
<> 1 & BF3H <> 1)) bf = 2.
if (BF2 = 1 & ((BF3C = 1 or BF3D = 1 or BF3G = 1) & BF3E <> 1 & BF3F <> 1 & BF3H
<> 1)) bf = 3.
if (BF2 = 1 & ((BF3E = 1 or BF3F = 1) & BF3H <> 1)) bf = 4.
if (BF2 = 1 and BF3H = 1) bf = 5.
if (BF1 <> 1 or BF2 <> 1) bf = 6.

variable label bf "Infant feeding pattern".
value label bf
  6 "Weaned (not breastfed)"
  5 "Breastfed and complementary foods"
  4 "Breastfed and other milk/ formula"
  3 "Breastfed and non-milk liquids"
  2 "Breastfed and plain water only"
  1 "Exclusively breastfed".

compute cage2 = trunc(cage/2).
variable label cage2 "Age".
value label cage2
  0 "0-1"
  1 "2-3"
  2 "4-5"
  3 "6-7"
  4 "8-9"
  5 "10-11"
  6 "12-13"
  7 "14-15"
```

```
  8 "16-17"
  9 "18-19"
  10 "20-21"
  11 "22-23"
  12 "24-25"
  13 "26-27"
  14 "28-29"
  15 "30-31"
  16 "32-33"
  17 "34-35".

compute total = 1.
value label total 1 "Number of children".

tables
  /format = zero
  /ftotal = tot1 "Total"
  /table = cage2 + tot1 by bf + tot1 + total
  /statistics
    cpct(bf (f5.1) '': cage2)
  /title
    "Table NU.3w: Infant feeding patterns by  age"
    "Percent distribution of children aged under 3 years by feeding pattern by
age group, The Gambia, 2005/2006 ".


graph
  /line(area)=count by cage2 by bf
  /template='BFgraph.sct' .

new file.


*****************************File:include "03 - NU.04.sps".

get file = 'ch.sav'.

select if (UF9 = 1).

weight by chweight.

do if (cage >= 0 and cage <= 5).
+ compute exbf5 = 0.
+ if (BF2 = 1 & (BF3B <> 1 & BF3C <> 1 & BF3D <> 1 & BF3E <> 1 & BF3F <> 1 &
      BF3G <> 1 & BF3H <> 1)) exbf5 = 100.
end if.
variable label exbf5 "0-5 months exclusively  breastfed".

do if (cage >= 6 and cage <= 8).
+ compute time2 = 0.
+ if (BF2 = 1 and BF5 >= 2 and BF5 <= 7) time2 = 100.
end if.
variable label Time2 "6-8 months who received breastmilk and "+
  "complementary food at least 2 times in prior 24 hours".

do if (cage >= 9 and cage <= 11).
+ compute time3 = 0.
```

```
+ if (BF2 = 1 and BF5 >= 3 and BF5 <= 7) time3 = 100.
end if.
variable label Time3 "9-11 months who received breastmilk and "+
  "complementary food at least 3 times in prior 24 hours".

do if (cage >= 6 and cage <= 11).
+ compute mrecom = 0.
+ if (time2 = 100 or time3 = 100) mrecom = 100.
end if.
variable label mrecom "6-11 months who received breastmilk and complementary "+
  "food at least the minimum recommended number of times per day*".

do if (cage >= 0 and cage <= 11).
+ compute approp = 0.
+ if (exbf5 = 100 or time2 = 100 or time3 = 100) approp = 100.
+ compute total  = 1.
end if.
variable label total "Number of infants aged 0-11 months".
value label total 1 "".
variable label approp "0-11 months who were appropriately fed**".

tables
  /format = zero
  /observation =  exbf5 time2 time3 mrecom approp
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + melevel + wlthind5 + HC1C + tot1
           by exbf5 + time2 + time3 + mrecom + approp + total
  /statistics
    mean(exbf5 (f5.1) '')
    mean(time2 (f5.1) '')
    mean(time3 (f5.1) '')
    mean(mrecom (f5.1) '')
    mean(approp (f5.1) '')
    count(total (f5.0) '')
  /title
    "Table NU.4: Adequately fed infants"
           "Percentage of infants under 6 months of age exclusively breastfed,
"+
           "percentage of infants 6-11 months who are breastfed "
                      "and who ate solid/semi-solid food at least the minimum
recommended number of "+
           "times yesterday and percentage of infants adequately fed, The
Gambia, 2005/2006"
  /caption
    "* MICS indicator 18 "
           "** MICS indicator 19".

new file.



*****************************File:include "03 - NU.05.sps".


get file = 'hh.sav'.
```

```
select if (HH9 = 1).

weight by hhweight.

compute htotal  = 1.
value labels htotal 1 "".
variables labels htotal "Number of households interviewed".


recode SI1 (6 = 100) (else = 0) into nosalt.
variable label nosalt "Percent of households with no salt".

recode SI1 (1,2,3 = 100) (else = 0) into salttest.
variable label salttest "Percent of households in which salt was tested".


recode SI1 (6=0)  (1,2 = 1) (3 = 2) (else = sysmis) into iodized.
variable label iodized "Percent of households with salt test result".
value label iodized
  0 "Percent of households with no salt"
  1 "< 15 PPM"
  2 "15+ PPM*".

do if (nosalt  = 100 or salttest  = 100).
compute total = 1.
variable label total "Number of households in which salt was tested or with no
salt".
value label total 1 "".
end if.

tables
  /format = zero
  /observation =  salttest
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 +wlthind5+ tot1 by  salttest +htotal+ iodized +tot1+ total
  /statistics
    mean(salttest (f5.1) '')
    count(Htotal (f5.0) '')
    cpct(iodized (f5.1) '' : HH7 HH6 wlthind5 )
    count(total (f5.0) '')
  /title
    "Table NU.5: Iodized salt consumption" "Percentage of households consuming
adequately iodized salt, The Gambia,  2005/2006"
  /caption
      "*MICS indicator 41".

new file.




**************************File:include "03 - NU.06.sps".


get file = 'ch.sav'.
```

```
select if (UF9 = 1).

weight by chweight.

select if (cage >= 6).

compute vitamina = 9.
if (VA1 = 1 and (VA2 >= 0 and VA2 <= 5)) vitamina = 1.
if (VA1 = 1 and (VA2 >= 6 and VA2 <= 60)) vitamina = 2.
if (VA1 = 1 and (VA2 = 98 or VA2 = 99)) vitamina = 3.
if (VA1 = 8 or VA1 = 9) vitamina = 4.
if (VA1 = 2) vitamina = 5.
variable label vitamina "Percent of children who received Vitamin A:".
value label vitamina
  1 "Within last 6 months*"
  2 "Prior to last 6 months"
  3 "Not sure when"
  4 "Not sure if received"
  5 "Never received Vitamin A".

tables
  /format = zero
  /ftotal = tot1 "Total" tot2 "Total"
  /table = HL4 + HH7 + HH6 + cage_6 + melevel + wlthind5 + HC1C + tot1
           by vitamina + tot2
  /statistics
    cpct(vitamina (f5.1) '': HL4 HH7 HH6 cage_6 melevel wlthind5 HC1C)
    cpct(tot2 (f5.1) 'Total': HL4 HH7 HH6 cage_6 melevel wlthind5 HC1C)
    count(tot2 (f5.0) 'Number of children aged 6-59 months')
  /title
    "Table NU.6: Children's vitamin A supplementation"
           "Percent distribution of children aged 6-59 months by whether they
"+
           "received a high dose Vitamin A supplement in the last 6 months, "+
           "The Gambia,  2005/2006"
  /caption
    "* MICS indicator 42".

new file.


**************************File:include "03 - NU.07.sps".

get file = 'wm.sav'.

select if (WM7 = 1).

weight by wmweight.

select if (CM12 = "Y" or CM12 = "O" or CM12 = "S").

recode MN1 (1 = 100) (else = 0) into vitayes.
variable label vitayes "Received Vitamin A supplement*".

recode MN1 (8,9 = 100) (else = 0) into vitadk.
variable label vitadk "Not sure if received Vitamin A".
```

```
compute total = 1.
variable label total "".
value label total 1 "Number of women aged 15-49 years".

tables
  /format = zero
  /observation = vitayes vitadk
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + melevel + wlthind5 + HC1C + tot1 by
           vitayes + vitadk + total
  /statistics
    mean(vitayes (f5.1) '')
    mean(vitadk (f5.1) '')
    count(total (f5.0) '')
  /title
    "Table NU.7: Post-partum mother's Vitamin A supplementation"
           "Percentage of women aged 15-49 years with a birth in the 2 last
years preceding the "+
           "survey whether they received a high dose  Vitamin A supplement
before "+
           "the infant was 8 weeks old, The Gambia, 2005/2006"
  /caption
    "* MICS indicator 43".

new file.


**************************File:include "03 - NU.08.sps".

get file = 'wm.sav'.

select if (WM7 = 1).

weight by wmweight.

select if (CM12 = "Y" or CM12 = "O" or CM12 = "S").

compute weighed = 0.
do if (MN11 < 9.996).
+ compute weighed = 1.
+ compute less2500 = 0.
+ if (MN11 < 2.500) less2500 = 1.
+ compute w2500 = 0.
+ if (MN11 = 2.500) w2500 = 1.
end if.
variable label weighed "Percent of live births weighed at birth".
variable label less2500 "Number of births weighing < 2500 grams".
variable label w2500 "Number of births weighing exactly 2500 grams".

compute births = 1.
variable label births "Total number of live births".

recode MN9 (8=9).
value label MN9
 1 "Very large"
 2 "Larger than average"
 3 "Average"
```

```
 4 "Smaller than average"
 5 "Very small"
 9 "DK/Missing".

aggregate outfile = 'tmp.sav'
  /break MN9
  /tweighed = sum(weighed)
  /t2500 = sum(less2500)
  /we2500 = sum(w2500)
  /tbirths = sum(births).

get file = 'tmp.sav'.

variable label tweighed "Number of weighed births".
variable label t2500 "Number of births weighing < 2500 g".
variable label we2500 "Number of births weighing exactly 2500 g".
variable label tbirths "Total number of births".

compute tot2500 = t2500+(we2500*0.25).
variable label tot2500 "Adjusted number of births < 2500 g".

if (tweighed > 0) prop2500 = tot2500/tweighed.
variable label prop2500 "Proportion of births weighing < 2500 g".

compute est2500 = prop2500*tbirths.
variable label est2500 "Estimated number < 2500 g".

if (sysmis(t2500)) t2500 = 0.
if (sysmis(prop2500)) prop2500 = 0.
if (sysmis(est2500)) est2500 = 0.
if (sysmis(we2500)) we2500 = 0.
if (sysmis(tot2500)) tot2500 = 0.

sort cases by MN9

save outfile = 'tmp2.sav'.

* General Tables.
tables
  /format zero
  /observation= tweighed t2500 we2500 prop2500 tbirths est2500
  /ftotal=tot1 "Total"
  /table=mn9 + tot1  by tweighed + t2500 + we2500 + prop2500 + tbirths + est2500
  /statistics
  sum( tweighed '' (f7))
  sum( t2500 '' (f7))
  sum( we2500 '' (f7))
  sum( prop2500 '' (f7.3))
  sum( tbirths '' (f7))
  sum( est2500 '' (f7))
  /title "Low birth weight estimation".

get file = 'wm.sav'.

select if (WM7 = 1).

weight by wmweight.
```

```
select if (CM12 = "Y" or CM12 = "O" or CM12 = "S").

recode MN9 (8=9).
value label MN9
 1 "Very large"
 2 "Larger than average"
 3 "Average"
 4 "Smaller than average"
 5 "Very small"
 9 "DK/Missing".

sort cases by MN9.

match files
  /file = *
  /table = 'tmp2.sav'
  /by MN9.

compute lowb = prop2500 * 100.
variable label lowb "Percent of live births below 2500 grams *".

compute weighed = 0.
if ( MN11 < 9.996) weighed = 100.
variable label weighed "Percent of live births weighed at birth **".

compute births = 1.
value label births 1 "".
variable label births "Number of live births".

recode MN11 (9.996 thru 9.999 = sysmis).

tables
  /format = zero
  /observation = weighed lowb
  /ftotal = tot1 "Total"
  /table =  HH7 + HH6 + melevel + wlthind5 + HC1C + tot1
            by lowb + weighed + births
  /statistics
    mean(lowb (f7.1) '')
    mean(weighed (f7.1) '')
    count(births (f5) '')
  /title
    "Table NU.8 : Low birth weight infants"
            "Percentage of live births in the 2 years preceding the survey that
"+
            "weighed below 2500 grams at birth, The Gambia,  2005/2006"
  /caption
    "* MICS Indicator 9"
            "** MICS Indicator 10".

new file.


*delete working files.
erase file = 'tmp.sav'.
erase file = 'tmp2.sav'.
```

```
*****************************File:include "04 - CH.01.sps".

get file = 'ch.sav'.

include file = "04 - chrecvac.sps".

select if (UF9 = 1).

weight by chweight.

select if (cage >= 12 and cage <= 23).

compute total = 1.
value label total 1 "Number of children".

* create a file with percent of children vaccinated according to a card.
compute vacc = 1 .
aggregate
  /outfile = 'aggr1.sav'
  /break = vacc
  /bcg = pin(bcg 1 1)
  /dpt1 = pin(dpt1 1 1)
  /dpt2 = pin(dpt2 1 1)
  /dpt3 = pin(dpt3 1 1)
  /polio0 = pin(polio0 1 1)
  /polio1 = pin(polio1 1 1)
  /polio2 = pin(polio2 1 1)
  /polio3 = pin(polio3 1 1)
  /measles = pin(measles 1 1)
  /allvacc = pin(allvacc 1 1)
  /novacc = pin(novacc 1 1)
  /total = N
.

* create a file with percent of children vaccinated according mother's report.
compute vacc = 2 .
aggregate
  /outfile = 'aggr2.sav'
  /break = vacc
  /bcg = pin(bcg 2 2)
  /dpt1 = pin(dpt1 2 2)
  /dpt2 = pin(dpt2 2 2)
  /dpt3 = pin(dpt3 2 2)
  /polio0 = pin(polio0 2 2)
  /polio1 = pin(polio1 2 2)
  /polio2 = pin(polio2 2 2)
  /polio3 = pin(polio3 2 2)
  /measles = pin(measles 2 2)
  /allvacc = pin(allvacc 2 2)
  /novacc = pin(novacc 2 2)
  /total = N
.

* create a file with percent of children vaccinated according to any source.
compute vacc = 3 .
aggregate
```

```
  /outfile = 'aggr3.sav'
  /break = vacc
  /bcg = pin(bcg 1 2)
  /dpt1 = pin(dpt1 1 2)
  /dpt2 = pin(dpt2 1 2)
  /dpt3 = pin(dpt3 1 2)
  /polio0 = pin(polio0 1 2)
  /polio1 = pin(polio1 1 2)
  /polio2 = pin(polio2 1 2)
  /polio3 = pin(polio3 1 2)
  /measles = pin(measles 1 2)
  /allvacc = pin(allvacc 1 2)
  /novacc = pin(novacc 1 2)
  /total = N
.

* select children with a vaccination card.
select if IM1 = 1.

* calculate whether child who received BCG according to a vaccination card
* received it before her 1st birthday.
do if (bcg = 1 and IM2M < 96 and IM2Y < 9996).
+ compute b_12 = 0.
+ compute dov = (IM2Y - 1900)*12 + IM2M.
+ if (dov - cdob < 13) b_12 = 100.
else if (bcg = 1 and IM2Y < 9996).
+ if (IM2Y =UF10Y) b_12 = 100.
+ if (IM2Y >= UF10Y + 2) b_12 = 0.
end if.
variable label b_12 "BCG".

* calculate whether child who received Polio 0 according to a vaccination card
* received it before her 1st birthday.
do if (polio0 = 1 and IM3AM < 96 and IM3AY < 9996).
+ compute p0_12 = 0.
+ compute dov = (IM3AY - 1900)*12 + IM3AM.
+ if (dov - cdob < 13) p0_12 = 100.
else if (polio0 = 1 and IM3AY < 9996).
+ if (IM3AY =UF10Y) p0_12 = 100.
+ if (IM3AY >= UF10Y + 2) p0_12 = 0.
end if.
variable label p0_12 "Polio 0".

* calculate whether child who received Polio 1 according to a vaccination card
* received it before her 1st birthday.
do if (polio1 = 1 and IM3BM < 96 and IM3BY < 9996).
+ compute p1_12 = 0.
+ compute dov = (IM3BY - 1900)*12 + IM3BM.
+ if (dov - cdob < 13) p1_12 = 100.
else if (polio1 = 1 and IM3BY < 9996).
+ if (IM3BY =UF10Y) p1_12 = 100.
+ if (IM3BY >= UF10Y + 2) p1_12 = 0.
end if.
variable label p1_12 "Polio 1".

* calculate whether child who received Polio 2 according to a vaccination card
* received it before her 1st birthday.
```

```
do if (polio2 = 1 and IM3CM < 96 and IM3CY < 9996).
+ compute p2_12 = 0.
+ compute dov = (IM3CY - 1900)*12 + IM3CM.
+ if (dov - cdob < 13) p2_12 = 100.
else if (polio2 = 1 and IM3CY < 9996).
+ if (IM3CY =UF10Y) p2_12 = 100.
+ if (IM3CY >= UF10Y + 2) p2_12 = 0.
end if.
variable label p2_12 "Polio 2".

* calculate whether child who received Polio 3 according to a vaccination card
* received it before her 1st birthday.
do if (polio3 = 1 and IM3DM < 96 and IM3DY < 9996).
+ compute p3_12 = 0.
+ compute dov = (IM3DY - 1900)*12 + IM3DM.
+ if (dov - cdob < 13) p3_12 = 100.
else if (polio3 = 1 and IM3DY < 9996).
+ if (IM3DY =UF10Y) p3_12 = 100.
+ if (IM3DY >= UF10Y + 2) p3_12 = 0.
end if.
variable label p3_12 "Polio 3".

* calculate whether child who received DPT1 according to a vaccination card
* received it before her 1st birthday.
do if (dpt1 = 1 and IM4AM < 96 and IM4AY < 9996).
+ compute d1_12 = 0.
+ compute dov = (IM4AY - 1900)*12 + IM4AM.
+ if (dov - cdob < 13) d1_12 = 100.
else if (dpt1 = 1 and IM4AY < 9996).
+ if (IM4AY =UF10Y) d1_12 = 100.
+ if (IM4AY >= UF10Y + 2) d1_12 = 0.
end if.
variable label d1_12 "DPT 1".

* calculate whether child who received DPT2 according to a vaccination card
* received it before her 1st birthday.
do if (dpt2 = 1 and IM4BM < 96 and IM4BY < 9996).
+ compute d2_12 = 0.
+ compute dov = (IM4BY - 1900)*12 + IM4BM.
+ if (dov - cdob < 13) d2_12 = 100.
else if (dpt2 = 1 and IM4BY < 9996).
+ if (IM4BY =UF10Y) d2_12 = 100.
+ if (IM4BY >= UF10Y + 2) d2_12 = 0.
end if.
variable label d2_12 "DPT 2".

* calculate whether child who received DPT3 according to a vaccination card
* received it before her 1st birthday.
do if (dpt3 = 1 and IM4CM < 96 and IM4CY < 9996).
+ compute d3_12 = 0.
+ compute dov = (IM4CY - 1900)*12 + IM4CM.
+ if (dov - cdob < 13) d3_12 = 100.
else if (dpt3 = 1 and IM4CY < 9996).
+ if (IM4CY =UF10Y) d3_12 = 100.
+ if (IM4CY >= UF10Y + 2) d3_12 = 0.
end if.
variable label d3_12 "DPT 3".
```

```
* calculate whether child who received measles according to a vaccination card
* received it before her 1st birthday.
do if (measles = 1 and IM6M < 96 and IM6Y < 9996).
+ compute m_12 = 0.
+ compute dov = (IM6Y - 1900)*12 + IM6M.
+ if (dov - cdob < 13) m_12 = 100.
else if (measles = 1 and IM6Y < 9996).
+ if (IM6Y =UF10Y) m_12 = 100.
+ if (IM6Y >= UF10Y + 2) m_12 = 0.
end if.
variable label m_12 "Measles".

if (b_12 = 0 or m_12 = 0 or d1_12 = 0 or d2_12 = 0 or d3_12 = 0 or p1_12 = 0
  or p2_12 = 0 or p3_12 = 0) all_12 = 0.
if (b_12 = 100 & m_12 = 100 & d1_12 = 100 & d2_12 = 100 & d3_12 = 100 &
  p1_12 = 100 & p2_12 = 100 & p3_12 = 100) all_12 = 100.
variable label all_12 "All vaccinations".

if (b_12 = 100 or m_12 = 100 or d1_12 = 100 or d2_12 = 100 or d3_12 = 100 or
  p1_12 = 100 or p2_12 = 100 or p3_12 = 100) none_12 = 0.
if (b_12 = 0 & m_12 = 0 & d1_12 = 0 & d2_12 = 0 & d3_12 = 0 & p1_12 = 0 &
  p2_12 = 0 & p3_12 = 0) none_12 = 100.
variable label none_12 "No vaccinations".

* create a data file containing percentage of vaccinations received in first
* year.
compute vacc = 4 .
aggregate
  /outfile = 'aggr4.sav'
  /break = vacc
  /bcg = pin(b_12 100 100)
  /dpt1 = pin(d1_12 100 100)
  /dpt2 = pin(d2_12 100 100)
  /dpt3 = pin(d3_12 100 100)
  /polio0 = pin(p0_12 100 100)
  /polio1 = pin(p1_12 100 100)
  /polio2 = pin(p2_12 100 100)
  /polio3 = pin(p3_12 100 100)
  /measles = pin(m_12 100 100)
  /allvacc = pin(all_12 100 100)
  /novacc = pin(none_12 100 100)
  /total = N
.

new file.

get file = 'aggr1.sav'.
add files
  /file = *
  /file = 'aggr2.sav'
  /file = 'aggr3.sav'
  /file = 'aggr4.sav'.

* if sysmis(bcg) bcg = 0.
* if sysmis(dpt1) dpt1 = 0.
* if sysmis(dpt2) dpt2 = 0.
```

```
* if sysmis(dpt3) dpt3 = 0.
* if sysmis(polio0) polio0 = 0.
* if sysmis(polio1) polio1 = 0.
* if sysmis(polio2) polio2 = 0.
* if sysmis(polio3) polio3 = 0.
* if sysmis(measles) measles = 0.
* if sysmis(allvacc) allvacc = 0.
* if sysmis(novacc) novacc = 0.

* multiply percentage who received a vaccination by the (estimated) percentage
* who received it in the first year.
do if (vacc = 4).
+ compute bcg = bcg*lag(bcg)/100.
+ compute dpt1 = dpt1*lag(dpt1)/100.
+ compute dpt2 = dpt2*lag(dpt2)/100.
+ compute dpt3 = dpt3*lag(dpt3)/100.
+ compute polio0 = polio0*lag(polio0)/100.
+ compute polio1 = polio1*lag(polio1)/100.
+ compute polio2 = polio2*lag(polio2)/100.
+ compute polio3 = polio3*lag(polio3)/100.
+ compute measles = measles*lag(measles)/100.
+ compute allvacc = allvacc*lag(allvacc)/100.
+ compute novacc = 100-(100-novacc)*(100-lag(novacc))/100.
+ compute total = lag(total).
end if.

variable label
  bcg     "BCG *"
 /dpt1    "DPT 1"
 /dpt2    "DPT 2"
 /dpt3    "DPT 3 **"
 /polio0  "Polio 0"
 /polio1  "Polio 1"
 /polio2  "Polio 2"
 /polio3  "Polio 3 ****"
 /measles "Measles ****"
 /allvacc "All *****"
 /novacc  "None"
 /total   "Number of children aged 12-23 months".

value label vacc
  1 "Vaccination card"
  2 "Mother's report"
  3 "Either"
  4 "Vaccinated by 12 months of age".

tables
  /format = zero
  /observations bcg dpt1 dpt2 dpt3 polio0 polio1 polio2 polio3 measles allvacc
            novacc total
  /table vacc by bcg + dpt1 + dpt2 + dpt3 + polio0 + polio1 + polio2 + polio3 +
            measles + allvacc + novacc + total
  /statistics
    mean(bcg (f5.1) '')
    mean(dpt1 (f5.1) '')
    mean(dpt2 (f5.1) '')
    mean(dpt3 (f5.1) '')
```

```
    mean(polio0 (f5.1) '')
    mean(polio1 (f5.1) '')
    mean(polio2 (f5.1) '')
    mean(polio3 (f5.1) '')
    mean(measles (f5.1) '')
    mean(allvacc (f5.1) '')
    mean(novacc (f5.1) '')
    mean(total (f5.0) '')
  /title
    "Table CH.1: Vaccinations in first year of life"
            "Percentage of children aged 12-23 months immunized against
childhood "+
            "diseases at any time before the survey and before the first
birthday, "+
            "The Gambia,  2005/2006"
  /caption
    "* MICS Indicator 25"
            "** MICS Indicator 26"
            "*** MICS Indicator 27"
            "**** MICS Indicator 28 ; MDG Indicator 15"
            "***** MICS Indicator 31".

new File.
erase file = 'aggr1.sav'.
erase file = 'aggr2.sav'.
erase file = 'aggr3.sav'.
erase file = 'aggr4.sav'.

*****************************File:include "04 - CH.01c.sps".

*** This program ASSUMES that your questionnaire contains questions about the
*** HIB vaccination. If you don't have questions about the HIB vaccination,
*** remove the variables HIB1, HIB2 and HIB3 from this program.
*** For countries that do have questions about HIB, this program assumes that
*** they are named as follows:
*****IM7AD, IM7AM, IM7AY --- HIB1 in vaccination table
***   IM7BD, IM7BM, IM7BY --- HIB2 in vaccination table
***   IM7CD, IM7CM, IM7CY --- HIB3 in vaccination table
***   IM17A               --- Ever been given HIB vaccination
***   IM17B               --- Number of HIB vaccinations received
*** If your variable names are different, change the program accordingly.

get file = 'ch.sav'.

include file = "04 - chrecvac.sps".

select if (UF9 = 1).

weight by chweight.

select if (cage >= 12 and cage <= 23).

compute total = 1.
value label total 1 "Number of children".

* create a file with percent of children vaccinated according to a card.
```

```
compute vacc = 1 .
aggregate
  /outfile = 'aggr1.sav'
  /break = vacc
  /hepb1 = pin(hepb1 1 1)
  /hepb2 = pin(hepb2 1 1)
  /hepb3 = pin(hepb3 1 1)
  /yf    = pin(yf 1 1)
  /total = N
.

* create a file with percent of children vaccinated according mother's report.

compute vacc = 2 .
aggregate
  /outfile = 'aggr2.sav'
  /break = vacc
  /hepb1 = pin(hepb1 2 2)
  /hepb2 = pin(hepb2 2 2)
  /hepb3 = pin(hepb3 2 2)
  /yf    = pin(yf 2 2)
  /total = N
.

* create a file with percent of children vaccinated according to any source.

compute vacc = 3 .
aggregate
  /outfile = 'aggr3.sav'
  /break = vacc
  /hepb1 = pin(hepb1 1 2)
  /hepb2 = pin(hepb2 1 2)
  /hepb3 = pin(hepb3 1 2)
  /yf    = pin(yf 1 2)
  /total = N
.

* select children with a vaccination card.
select if IM1 = 1.

* calculate whether child who received HepB1 according to a vaccination card
* received it before her 1st birthday.
do if (IM5AM < 96 and IM5AY < 9996).
+ compute hepb1_12 = 0.
+ compute dov = (IM5AY - 1900)*12 + IM5AM.
+ if (dov - cdob < 13) hepb1_12 = 100.
else if (IM5AY < 9996).
+ if (IM5AY =UF10Y) hepb1_12 = 100.
+ if (IM5AY >=UF10Y + 2) hepb1_12 = 0.
end if.
variable label hepb1_12 "HepB1".

* calculate whether child who received HepB2 according to a vaccination card
* received it before her 1st birthday.
do if (IM5BM < 96 and IM5BY < 9996).
+ compute hepb2_12 = 0.
+ compute dov = (IM5BY - 1900)*12 + IM5BM.
```

```
+ if (dov - cdob < 13) hepb2_12 = 100.
else if (IM5BY < 9996).
+ if (IM5BY =UF10Y) hepb2_12 = 100.
+ if (IM5BY >=UF10Y + 2) hepb2_12 = 0.
end if.
variable label hepb2_12 "HepB2".

* calculate whether child who received HepB3 according to a vaccination card
* received it before her 1st birthday.
do if (IM5CM < 96 and IM5CY < 9996).
+ compute hepb3_12 = 0.
+ compute dov = (IM5CY - 1900)*12 + IM5CM.
+ if (dov - cdob < 13) hepb3_12 = 100.
else if (IM5CY < 9996).
+ if (IM5CY =UF10Y) hepb3_12 = 100.
+ if (IM5CY >=UF10Y + 2) hepb3_12 = 0.
end if.
variable label hepb3_12 "HepB3".


* calculate whether child who received yellow fever according to a vaccination
* card received it before her 1st birthday.
do if (IM7M < 96 and IM7Y < 9996).
+ compute yf_12 = 0.
+ compute dov = (IM7Y - 1900)*12 + IM7M.
+ if (dov - cdob < 13) yf_12 = 100.
else if (IM7Y < 9996).
+ if (IM7Y =UF10Y) yf_12 = 100.
+ if (IM7Y >=UF10Y + 2) yf_12 = 0.
end if.
variable label yf_12 "Yellow Fever".

* create a data file containing percentage of vaccinations received in first
* year.
compute vacc = 4 .
aggregate
  /outfile = 'aggr4.sav'
  /break = vacc
  /hepb1 = pin(hepb1_12 100 100)
  /hepb2 = pin(hepb2_12 100 100)
  /hepb3 = pin(hepb3_12 100 100)
  /yf    = pin(yf_12 100 100)
  /total = N
.

new file.

get file = 'aggr1.sav'.
ADD FILES
  /file = *
  /file = 'aggr2.sav'
  /file = 'aggr3.sav'
  /file = 'aggr4.sav'.

* multiply percentage who received a vaccination by the (estimated) percentage
* who received it in the first year.
do if (vacc = 4).
```

```
+ compute hepb1 = hepb1*lag(hepb1)/100.
+ compute hepb2 = hepb2*lag(hepb2)/100.
+ compute hepb3 = hepb3*lag(hepb3)/100.
+ compute yf = yf*lag(yf)/100.
+ compute total = lag(total).
end if.

variable label
  hepb1 "HepB1"
 /hepb2 "HepB2"
 /hepb3 "HepB3*"
 /yf    "Yellow Fever**"
 /total "Number of children aged 12-23 months".

value label vacc
  1 "Vaccination card"
  2 "Mother's report"
  3 "Either"
  4 "Vaccinated by 12 months of age".

tables
  /format = zero
  /observations hepb1 hepb2 hepb3  yf  total
  /table vacc by hepb1 + hepb2 + hepb3 + yf + total
  /statistics
    mean(hepb1 (f5.1) '')
    mean(hepb2 (f5.1) '')
    mean(hepb3 (f5.1) '')
    mean(yf    (f5.1) '')
    mean(total (f5.0) '')
  /title
    "Table CH.1c Vaccinations in first year of life (continued)"
            "Percentage of children aged 12-23 months immunized against
childhood "+
            "diseases at any time before the survey and before the first
birthday, "+
            "The Gambia,  2005/2006"
  /caption
    "* MICS Indicator 29"
            "** MICS Indicator 30".

new File.
erase file = 'aggr1.sav'.
erase file = 'aggr2.sav'.
erase file = 'aggr3.sav'.
erase file = 'aggr4.sav'.


*****************************File: include "04 - CH.02.sps".

get file = 'ch.sav'.

include file = "04 - chrecvac.sps".

select if (UF9 = 1).

weight by chweight.
```

```
select if (cage >= 12 and cage <= 23).

recode bcg (1,2 = 100) (3 = 0) into bcg_r.
variable label bcg_r "".

recode dpt1 (1,2 = 100) (3 = 0) into dpt1_r.
variable label dpt1_r "".

recode dpt2 (1,2 = 100) (3 = 0) into dpt2_r.
variable label dpt2_r "".

recode dpt3 (1,2 = 100) (3 = 0) into dpt3_r.
variable label dpt3_r "".

recode polio0 (1,2 = 100) (3 = 0) into polio0_r.
variable label polio0_r "".

recode polio1 (1,2 = 100) (3 = 0) into polio1_r.
variable label polio1_r "".

recode polio2 (1,2 = 100) (3 = 0) into polio2_r.
variable label polio2_r "".

recode polio3 (1,2 = 100) (3 = 0) into polio3_r.
variable label polio3_r "".

recode measles (1,2 = 100) (3 = 0) into meales_r.
variable label meales_r "".

recode allvacc (1,2 = 100) (3 = 0) into all_r.
variable label all_r "".

recode novacc (1,2 = 100) (3 = 0) into no_r.
variable label no_r "".

recode hasvcard (1 = 100) (2 = 0) into card_r.
variable label card_r "".

tables
  /format = zero
  /observation = bcg_r dpt1_r dpt2_r dpt3_r polio0_r polio1_r polio2_r polio3_r
meales_r
        all_r no_r card_r
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + melevel + wlthind5 + HC1C + tot1 by
           bcg_r + dpt1_r + dpt2_r + dpt3_r + polio0_r + polio1_r + polio2_r +
polio3_r +
                                meales_r + all_r + no_r + card_r
  /statistics
    mean(bcg_r (f5.1) 'BCG')
    mean(dpt1_r (f5.1) 'DPT1')
    mean(dpt2_r (f5.1) 'DPT2')
    mean(dpt3_r (f5.1) 'DPT3')
    mean(polio0_r (f5.1) 'Polio 0')
    mean(polio1_r (f5.1) 'Polio 1')
    mean(polio2_r (f5.1) 'Polio 2')
```

```
    mean(polio3_r (f5.1) 'Polio 3')
    mean(meales_r (f5.1) 'MMR')
    mean(all_r (f5.1) 'All')
    mean(no_r (f5.1) 'None')
    mean(card_r (f5.1) 'Percent with health card')
    validn(card_r (f5.0) 'Number of children aged 12-23 months')
  /title
    "Table CH.2: Vaccinations by background characteristics"
            "Percentage of children aged 12-23 months currently vaccinated
against "+
            "childhood diseases, The Gambia,  2005/2006".

new file.


*****************************File: include "04 - CH.02c.sps".

*** This program ASSUMES that your questionnaire contains questions about the
*** HIB vaccination. If you don't have questions about the HIB vaccination,
*** remove the variables HIB1, HIB2 and HIB3 from this program.
*** For countries that do have questions about HIB, this program assumes that
*** they are named as follows:
***   IM7AD, IM7AM, IM7AY --- HIB1 in vaccination table
***   IM7BD, IM7BM, IM7BY --- HIB2 in vaccination table
***   IM7CD, IM7CM, IM7CY --- HIB3 in vaccination table
***   IM17A               --- Ever been given HIB vaccination
***   IM17B               --- Number of HIB vaccinations received
*** If your variable names are different, change the program accordingly.

get file = 'ch.sav'.

include file = "04 - chrecvac.sps".

select if (UF9 = 1).

weight by chweight.

select if (cage >= 12 and cage <= 23).


compute total = 1.
variable label total "Number of children".
value label total 1 "".

recode hepb1 (1,2 = 100) (else = 3) into hepb1_r.
variable label hepb1_r "".

recode hepb2 (1,2 = 100) (else = 3) into hepb2_r.
variable label hepb2_r "".

recode hepb3 (1,2 = 100) (else = 3) into hepb3_r.
variable label hepb3_r "".

recode yf (1,2 = 100) (else = 3) into yf_r.
variable label yf_r "".

recode hasvcard (1 = 100) (2 = 0) into card_r.
```

```
variable label card_r "".

tables
  /format = zero
  /observation = hepb1_r hepb2_r hepb3_r yf_r card_r
  /ftotal = tot1 "Total"
  /table = HL4 + hh7 + hh6 + melevel + wlthind5 + HC1C + tot1 by
            hepb1_r + hepb2_r + hepb3_r +  yf_r + card_r
  /statistics
    mean(hepb1_r (f5.1) 'HepB1')
    mean(hepb2_r (f5.1) 'HepB2')
    mean(hepb3_r (f5.1) 'HepB3')
    mean(yf_r (f5.1) 'Yellow Fever')
    mean(card_r (f5.1) 'Percent with health card')
    validn(card_r (f5.0) 'Number of children aged 12-23 months')
  /title
    "Table CH.2c: Vaccinations by background characteristics (continued)"
            "Percentage of children aged 12-23 months currently vaccinated
against "+
            "childhood diseases, The Gambia,  2005/2006".

new file.


*****************************File:include "04 - CH.03.sps".


get file = 'ch.sav'.

select if (UF9 = 1).

weight by chweight.

compute total = 1.
value label total 1 "".
variable label total "Number of children aged 0-59 months".

* diarrhoea in last 2 weeks.
recode CA1 (1 = 100) (else = 0) into diarrhea.
variable label diarrhea "Had diarrhoea in last two weeks".

do if (CA1 = 1).
+ recode CA2A (1 = 100) (else = 0) into orspack.
+ recode CA2B (1 = 100) (else = 0) into recom.
+ recode CA2C (1 = 100) (else = 0) into prepack.
+ compute notreat = 0.
+ if (orspack = 0 and recom = 0 and prepack = 0) notreat = 100.
+ compute ortuse = 0.
+ if (orspack = 100 or recom = 100 or prepack = 100) ortuse = 100.
+ compute dtotal = 1.
end if.

variable label orspack "Fluid from ORS packet".
variable label recom "Recommended homemade fluid".
variable label prepack "Pre-packaged ORS fluid".
variable label notreat "No treatment".
variable label ortuse "ORT use rate *".
```

```
value label dtotal 1 "".
variable label dtotal "Number of children aged 0-59 months with diarrhoea".

tables
  /format = zero
  /observation diarrhea orspack recom prepack notreat ortuse
  /ftotal tot1 "Total"
  /table = HL4 + HH7 + HH6 + cage_6 + melevel + wlthind5 + HC1C + tot1 by
    diarrhea + total + orspack + recom + prepack + notreat + ortuse + dtotal
  /statistics
    mean(diarrhea (f5.1) '')
    count(total (f5.0) '')
    mean(orspack (f5.1) '')
    mean(recom (f5.1) '')
    mean(prepack (f5.1) '')
    mean(notreat (f5.1) '')
    mean(ortuse (f5.1) '')
    count(dtotal (f5.0) '')
  /title
    "Table CH.4: Oral rehydration treatment"
            "Percentage of children aged 0-59 months with diarrhoea in the last
two weeks "+
            "and treatment with oral rehydration solution (ORS) or other oral
rehydration treatment (ORT), The Gambia, 2006"
  /caption
    "* MICS Indicator 33".

new file.



*****************************File: include "04 - CH.04.sps".
get file = 'ch.sav'.

select if (UF9 = 1).

weight by chweight.

compute total = 1.
value label total 1 "".
variable label total "Number of children aged 0-59 months".

* diarrhoea in last 2 weeks.
recode CA1 (1 = 100) (else = 0) into diarrhea.
variable label diarrhea "Had diarrhoea in last two weeks".

do if (CA1 = 1).
+ recode CA2A (1 = 100) (else = 0) into orspack.
+ recode CA2B (1 = 100) (else = 0) into recom.
+ recode CA2C (1 = 100) (else = 0) into prepack.
+ compute notreat = 0.
+ if (orspack = 0 and recom = 0 and prepack = 0) notreat = 100.
+ compute ortuse = 0.
+ if (orspack = 100 or recom = 100 or prepack = 100) ortuse = 100.
+ compute dtotal = 1.
end if.
```

```
variable label orspack "Fluid from ORS packet".
variable label recom "Recommended homemade fluid".
variable label prepack "Pre-packaged ORS fluid".
variable label notreat "No treatment".
variable label ortuse "ORT use rate *".
value label dtotal 1 "".
variable label dtotal "Number of children aged 0-59 months with diarrhoea".

tables
  /format = zero
  /observation diarrhea orspack recom prepack notreat ortuse
  /ftotal tot1 "Total"
  /table = HL4 + HH7 + HH6 + cage_6 + melevel + wlthind5 + HC1C + tot1 by
    diarrhea + total + orspack + recom + prepack + notreat + ortuse + dtotal
  /statistics
    mean(diarrhea (f5.1) '')
    count(total (f5.0) '')
    mean(orspack (f5.1) '')
    mean(recom (f5.1) '')
    mean(prepack (f5.1) '')
    mean(notreat (f5.1) '')
    mean(ortuse (f5.1) '')
    count(dtotal (f5.0) '')
  /title
    "Table CH.4: Oral rehydration treatment"
            "Percentage of children aged 0-59 months with diarrhoea in the last
two weeks "+
            "and treatment with oral rehydration solution (ORS) or other oral
rehydration treatment (ORT), The Gambia, 2006"
  /caption
    "* MICS Indicator 33".

new file.


*****************************File:include "04 - CH.05.sps".

get file = 'ch.sav'.

select if (UF9 = 1).

weight by chweight.

compute total = 1.
value label total 1 "".
variable label total "Number of children aged 0-59 months".

* diarrhoea in last 2 weeks.
recode CA1 (1 = 100) (else = 0) into diarrhea.
variable label diarrhea "Had diarrhoea in last two weeks".

do if (CA1 = 1).
+ recode CA3 (3 = 100) (else = 0) into drnkmore.
+ recode CA3 (1,2 = 100) (else = 0) into drnkless.
+ recode CA4 (3,4,5 = 100) (else = 0) into ateokay.
+ recode CA4 (1,2 = 100) (else = 0) into atebadly.
+ compute homemgmt = 0.
```

```
+ if (drnkmore = 100 and ateokay = 100) homemgmt = 100.
+ compute orifcf = 0.
+ if ((CA2A = 1 or CA2B = 1 or CA2C = 1 or drnkmore = 100) and ateokay = 100)
orifcf = 100.
+ compute dtotal = 1.
end if.

variable label drnkmore "Children with diarrhoea who drank more".
variable label drnkless "Children with diarrhoea who drank the same or less".
variable label ateokay "Children with diarrhoea who ate somewhat less, same or
more".
variable label atebadly "Children with diarrhoea who ate much less or none".
variable label homemgmt "Home management of diarrhoea *".
variable label orifcf "Received ORT or increased fluids AND continued feeding
**".
value label dtotal 1 "".
variable label dtotal "Number of children aged 0-59 months with diarrhoea".

tables
  /format = zero
  /observation diarrhea drnkmore drnkless ateokay atebadly homemgmt orifcf
  /ftotal tot1 "Total"
  /table = HL4 + HH7 + HH6 + cage_11 + melevel + wlthind5 + HC1C + tot1 by
     diarrhea + total + drnkmore + drnkless + ateokay + atebadly + homemgmt +
              orifcf + dtotal
  /statistics
    mean(diarrhea (f5.1) '')
    count(total (f5.0) '')
    mean(drnkmore (f5.1) '')
    mean(drnkless (f5.1) '')
    mean(ateokay (f5.1) '')
    mean(atebadly (f5.1) '')
    mean(homemgmt (f5.1) '')
    mean(orifcf (f5.1) '')
    count(dtotal (f5.0) '')
  /title
    "Table CH.5: Home management of diarrhoea"
            "Percentage of children aged 0-59 months with diarrhoea in the last
two "+
            "weeks who took increased fluids and continued to feed during the "+
            "episode, The Gambia,  2005/2006"
  /caption
    "* MICS indicator 34"
            "** MICS indicator 35".

new file.


*****************************File: include "04 - CH.06.sps".

get file = 'ch.sav'.

select if (UF9 = 1).

weight by chweight.

compute total = 1.
```

```
variable label total "Number of children aged 0-59 months".
value label total 1 "".

* ARI in the last 2 weeks.
compute ari  = 0.
if ((CA7 =1 or CA7 = 3) and (CA5 = 1 and CA6 = 1)) ari = 100.
variable label ari "Had acute respitory infection".

do if (ari = 100).

+ recode CA9A ("A" = 100) (else = 0) into ho.
+ recode CA9B ("B" = 100) (else = 0) into hc.
+ recode CA9C ("C" = 100) (else = 0) into hp.
+ recode CA9D ("D" = 100) (else = 0) into vi.
+ recode CA9E ("E" = 100) (else = 0) into oc.
+ recode CA9H ("H" = 100) (else = 0) into pu.
+ recode CA9I ("I" = 100) (else = 0) into ph.
+ recode CA9J ("J" = 100) (else = 0) into pp.
+ recode CA9K ("K" = 100) (else = 0) into pr.
+ recode CA9L ("L" = 100) (else = 0) into mo.
+ recode CA9O ("O" = 100) (else = 0) into op.
+ recode CA9P ("P" = 100) (else = 0) into rf.
+ recode CA9Q ("Q" = 100) (else = 0) into sh.
+ recode CA9R ("R" = 100) (else = 0) into tr.
+ recode CA9X ("X" = 100) (else = 0) into ot.
+ compute any = 0.
* excludes Pharmacy.
+ if (ho = 100 or hc = 100 or hp = 100 or vi = 100 or oc = 100 or pu =100 or
    ph = 100 or pp = 100 or mo = 100 or op = 100) any = 100.
+ compute atotal = 1.
end if.

variable label ho "Govt. hospital".
variable label hc "Govt. health centre".
variable label hp "Govt. health post".
variable label vi "Village health worker".
variable label oc "Mobile/outreach clinic".
variable label pu "Other public".
variable label ph "Private hospital clinic".
variable label pp "Private physician".
variable label pr "Pharmacy".
variable label mo "Mobile clinic".
variable label op "Other private medical".
variable label rf "Relative or friend".
variable label sh "Shop".
variable label tr "Traditional practitioner".
variable label ot "Other".
variable label any "Any appropriate provider *".
variable label atotal "Number of children aged 0-59 months with suspected
pneumonia".
value label atotal 1 "".


tables
  /format = zero
  /observation = ari total ho hc hp vi oc pu ph pp pr mo op rf sh tr ot any
atotal
```

```
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + cage_11 + melevel + wlthind5 + HC1C + tot1 by
    ari + total + ho + hc + hp + vi + oc + pu + ph + pp + pr + mo +
             op + rf + sh + tr + ot + any + atotal
  /statistics
    mean(ari (f5.1) '')
    count(total (f5.0) '')
    mean(ho (f5.1) '')
    mean(hc (f5.1) '')
    mean(hp (f5.1) '')
    mean(vi (f5.1) '')
    mean(oc (f5.1) '')
    mean(pu (f5.1) '')
    mean(ph (f5.1) '')
    mean(pp (f5.1) '')
    mean(pr (f5.1) '')
    mean(mo (f5.1) '')
    mean(op (f5.1) '')
    mean(rf (f5.1) '')
    mean(sh (f5.1) '')
    mean(tr (f5.1) '')
    mean(ot (f5.1) '')
    mean(any (f5.1) '')
    count(atotal (f5.0) '')
  /title
    "Table CH.6: Care seeking for suspected pneumonia"
             "Percentage of children aged 0-59 months in the last two weeks taken
to "+
             "a health provider, The Gambia,   2005/2006"
  /caption
    "* MICS indicator 23".

new file.



*****************************File:include "04 - CH.07.sps".

get file = 'ch.sav'.

* ARI in the last 2 weeks.
compute ari  = 0.
if ((CA7 =1 or CA7 = 3) and CA5 = 1 and CA6 = 1) ari = 100.
variable label ari "Had acute respitory infection".

select if (UF9 = 1 and ari = 100).


weight by chweight.

recode CA11A ("A" = 100) (else = 0) into anti.
variable label anti "Percentage of children aged 0-59 months with suspected "+
  "pneumonia who received antibiotics in the last two weeks *".

compute atotal = 1.
value label atotal 1 "".
variable label atotal "Number of children aged 0-59 months with suspected "+
```

```
  "pneumonia in the two weeks prior to the survey".

tables
  /format = zero
  /observation = ari anti
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + cage_11 + melevel + wlthind5 + HC1C + tot1 by
    anti + atotal
  /statistics
    mean(anti (f5.1) '')
    count(atotal (f5.0) '')
  /title
    "Table CH.7: Antibiotic treatment of pneumonia"
            "Percentage of children aged 0-59 months with suspected pneumonia
who "+
            "received antibiotic treatment, The Gambia,   2005/2006"
  /caption
    "* MICS indicator 22".

new file.



*****************************File:include "04 - CH.07A.sps".

get file = 'hh.sav'.


select if (HH9 = 1).

weight by hhweight.

recode HC6 (97,99 = 99) (else = copy) into HC6.

recode HC6 (06,07,08,09,10,11 = 100) (else  = 0) into sfuels.
variable label sfuels "Solid fuels for cooking *".

tables
  /format = zero
  /observation = sfuels
  /ftotal = tot1 "Total" tot2 "Number of households"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
        HC6 + tot1 + sfuels + tot2
  /statistics
    cpct(HC6 (f5.1) '':HH7 HH6 helevel wlthind5 HC1C)
    mean(sfuels (f5.1) '')
    count(tot2 (f5.0) '')
  /title
    "Table CH.8: Solid fuel use"
            "Percent distribution of households according to type of cooking
fuel, "+
            "and percentage of households used solid fuels for cooking, The
Gambia,   2005/2006"
  /caption
    "* MICS indicator 24; MDG indicator 29".

new file.
```

```
*****************************File:include "04 - CH.08.sps".

get file = 'hh.sav'.


select if (HH9 = 1).

weight by hhweight.

recode HC6 (97,99 = 99) (else = copy) into HC6.

recode HC6 (06,07,08,09,10,11 = 100) (else  = 0) into sfuels.
variable label sfuels "Solid fuels for cooking *".

tables
  /format = zero
  /observation = sfuels
  /ftotal = tot1 "Total" tot2 "Number of households"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
        HC6 + tot1 + sfuels + tot2
  /statistics
    cpct(HC6 (f5.1) '':HH7 HH6 helevel wlthind5 HC1C)
    mean(sfuels (f5.1) '')
    count(tot2 (f5.0) '')
  /title
    "Table CH.8: Solid fuel use"
            "Percent distribution of households according to type of cooking
fuel, "+
            "and percentage of households used solid fuels for cooking, The
Gambia,   2005/2006"
  /caption
    "* MICS indicator 24; MDG indicator 29".

new file.



*****************************File:include "04 - CH.09.sps".

get file = 'hh.sav'.

select if (HH9 = 1).

weight by hhweight.

compute mosquito = 0.
if (TN1 = 1 and TN2 >= 1 and TN2 <= 7) mosquito = 100.
variable label mosquito "Percentage of households with at least one mosquito "+
  "net".

compute treated  = 0.
if ((TN2CC = 1) and
  TN5 = 1 and  TN6 < 12) treated = 100.
if (TN7 = 1 and TN8 < 12) treated = 100.
variable label treated "Percentage of households with at least one "+
  "insecticide treated net (ITN)*".
```

```
tables
  /format = zero
  /observation = mosquito treated
  /ftotal = tot1 "Total" tot2 "Number of households"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
        mosquito + treated + tot2
  /statistics
    mean(mosquito (f5.1) '')
    mean(treated (f5.1) '')
    count(tot2 (f5.0) '')
  /title
    "Table CH.10: Availability of insecticide treated nets"
            "Percent of households with at least one insecticide treated net
(ITN), "+
            "The Gambia,  2005/2006"
  /caption
    "* MICS Indicator 36".

new file.



*****************************File:include "04 - CH.10.sps".

get file = 'hh.sav'.

select if (HH9 = 1).

weight by hhweight.

compute mosquito = 0.
if (TN1 = 1 and TN2 >= 1 and TN2 <= 7) mosquito = 100.
variable label mosquito "Percentage of households with at least one mosquito "+
  "net".

compute treated  = 0.
if ((TN2CC = 1) and
  TN5 = 1 and  TN6 < 12) treated = 100.
if (TN7 = 1 and TN8 < 12) treated = 100.
variable label treated "Percentage of households with at least one "+
  "insecticide treated net (ITN)*".

tables
  /format = zero
  /observation = mosquito treated
  /ftotal = tot1 "Total" tot2 "Number of households"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
        mosquito + treated + tot2
  /statistics
    mean(mosquito (f5.1) '')
    mean(treated (f5.1) '')
    count(tot2 (f5.0) '')
  /title
    "Table CH.10: Availability of insecticide treated nets"
            "Percent of households with at least one insecticide treated net
(ITN), "+
            "The Gambia,  2005/2006"
```

```
  /caption
    "* MICS Indicator 36".

new file.


*****************************File:include "04 - CH.11.sps".

get file = 'ch.sav'.

weight by chweight.

select if (UF9 = 1).

recode ML10 (1 = 100) (else = 0) into bednet.
variable label bednet "Slept under a bednet *".

compute trnet = 0.
if (ML12 = 1 or ML12 = 2) trnet = 100.
if (ML11 < 12 and ML13 = 1) trnet = 100.
if (ML14 = 1 and ML15 < 12) trnet = 100.
variable label trnet "Sleep under an insecticide treated net **".

* create a variable that equal 100 IF child slept under an untreated net.
compute untreat = 0.
if ((ML12 = 3 ) and (ML11 >= 12 and ML11 <= 95) and
      ((ML14 = 2) or (ML14 = 1 and ML15 >= 12 and ML15 <= 95))) untreat = 100.
if ((ML12 = 3 or ML12  = 8) and
      (ML13 = 2 or (ML13 <> 2 and ML11 >= 12 and ML11 <= 95)) and
      ((ML14 = 2) or (ML14 = 1 and ML15 >= 12 and ML15 <= 95))) untreat = 100.
variable label untreat "Slept under an untreated net".

* it is unknown if a child's net was treated if: the child slept under a net
* and the net was neither treated nor untreated.
compute iftreat = 0.
if (bednet = 100 & trnet = 0 & untreat = 0) iftreat = 100.
variable label iftreat "Slept under a net but don't know if treated".

recode ML10 (8,9 = 100) (else = 0) into dk.
variable label dk "Don't know if slept under a net".

recode ML10 (2 = 100) (else = 0) into notsleep.
variable label notsleep "Did not sleep under a bednet".

tables
  /format = zero
  /observation = bednet trnet untreat iftreat dk notsleep
  /ftotal = tot1 "Total" tot2 "Number of children aged 0-59 months"
  /table = HL4 + HH7 + HH6 + cage_11 + wlthind5 + HC1C + tot1 by
        bednet + trnet + untreat + iftreat + dk + notsleep + tot2
  /statistics
    means(bednet (f5.1) '')
    means(trnet (f5.1) '')
    means(untreat (f5.1) '')
    means(iftreat (f5.1) '')
    means(dk (f5.1) '')
    means(notsleep (f5.1) '')
```

```
    count(tot2 (f5.0) '')
  /title
    "Table CH.11: Children sleeping under bednets"
            "Percentage of children aged 0-59 months who slept under an
insecticide "+
            "treated net during the previous night, The Gambia,  2005/2006"
  /caption
    "* MICS indicator 38"
            "** MICS indicator 37; MDG indicator 22".

new file.


*****************************File:include "04 - CH.12.sps".

get file = 'ch.sav'.

select if (UF9 = 1).

weight by chweight.

compute total = 1.
variable label total "Number of children aged 0-59 months".

* fever in the last 2 weeks.
recode ML1 (1 = 100) (else = 0) into fever.
variable label fever "Had a fever in last two weeks".

do if (fever = 100).
+ compute layer1 = 1.
+ compute sp = 0.
+ if (ML4A = "A" or ML7A = "A") sp = 100.
+ compute ch = 0.
+ if (ML4B = "B" or ML7B = "B") ch = 100.
+ compute am = 0.
+ if (ML4C = "C" or ML7C = "C") am = 100.
+ compute qu = 0.
+ if (ML4D = "D" or ML7D = "D") qu = 100.
+ compute ar = 0.
+ if (ML4E = "E" or ML7E = "E") ar = 100.
+ compute oa = 0.
+ if (ML4H = "H" or ML7H = "H") oa = 100.
+ compute approp = 0.
+ if (sp = 100 or ch = 100 or am = 100 or qu = 100 or ar = 100 or oa = 100)
approp = 100.
+ compute pa = 0.
+ if (ML4P = "P" or ML7P = "P") pa = 100.
+ compute as = 0.
+ if (ML4Q = "Q" or ML7Q = "Q") as = 100.
+ compute ib = 0.
+ if (ML4R = "R" or ML7R = "R") ib = 100.
+ compute ot = 0.
+ if (ML4X = "X" or ML7X = "X") ot = 100.
+ compute dk = 0.
+ if (ML4Z = "Z" or ML7Z = "Z") dk = 100.
+ compute okdrug = 0.
+ if (approp = 100 and ML9 >= 0 and ML9 <= 1) okdrug = 100.
```

```
+ compute ftotal = 1.
end if.

value label layer1 1 " ".
variable label layer1 "Children with a fever in the last two weeks who were
treated with:"
variable label sp "Anti-malarials: SP/Fansidar".
variable label ch "Anti-malarials: Chloroquine".
variable label am "Anti-malarials: Armodiaquine".
variable label qu "Anti-malarials: Quinine".
variable label ar "Anti-malarials: Artemisnin based combinations".
variable label oa "Anti-malarials: Other Anti-malarial".
variable label approp "Any appropriate anti-malarial drug".
variable label pa "Other medications: Paracetamol/Panadol/Acetaminophan".
variable label as "Other medications: Aspirin".
variable label ib "Other medications: Ibuprofen".
variable label ot "Other medications : Other".
variable label dk "Don't know".
variable label okdrug "Any appropriate anti-malarial drug within 24 hours of
onset of symptoms *".
value label ftotal 1 "".
variable label ftotal "Number of children with fever in last two weeks".

tables
  /format = zero
  /observation = fever sp ch am qu ar oa approp pa as ib ot dk okdrug
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + cage_11 + melevel + wlthind5 + HC1C + tot1 by
        fever + total + layer1 > (sp + ch + am + qu + ar + oa + approp +
            pa + as + ib + ot + dk + okdrug) + ftotal
  /statistics
    mean(fever (f5.1) '')
    count(total (f5.0) '')
    mean(sp (f5.1) '')
    mean(ch (f5.1) '')
    mean(am (f5.1) '')
    mean(qu (f5.1) '')
    mean(ar (f5.1) '')
    mean(oa (f5.1) '')
    mean(approp (f5.1) '')
    mean(pa (f5.1) '')
    mean(as (f5.1) '')
    mean(ib (f5.1) '')
    mean(ot (f5.1) '')
    mean(dk (f5.1) '')
    mean(okdrug (f5.1) '')
    count(ftotal (f5.0) '')
  /title
    "Table CH.12: Treatment of children with anti-malarial drugs"
            "Percentage of children 0-59 months of age who were ill with fever
in "+
            "the last two weeks who received anti-malarial drugs, The Gambia,
2005/2006"
  /caption
    "MICS indicator 39; MDG indicator 22".

new file.
```

```
*****************************File:include "04 - CH.13.sps".

get file = 'wm.sav'.

select if (WM7 = 1).

weight by wmweight.

select if (CM12 = "Y" or CM12 = "O" or CM12 = "S").

compute total = 1.
value labels total 1 "".
variable label total "Number of women who gave birth in the preceding two
years".

compute prevent = 0.
if (MN6A = 1) prevent  = 100.
variable label prevent "Medecine to prevent malaria during pregnancy".

compute onetime = 0.
if (MN6BA = "A" and MN6D = 1) onetime  = 100.
variable label onetime "SP/Fansidar only one time".

compute twotimes = 0.
if (MN6BA = "A" and MN6D >= 2 and MN6D < 98) twotimes  = 100.
variable label twotimes "SP/Fansidar two or more times *".

compute fansun = 0.
if (MN6BA = "A" and (MN6D = 98 | MN6D = 99)) fansun  = 100.
variable label fansun "SP/Fansidar but number of times unknown".

compute chloroq = 0.
if (MN6BB = "B") chloroq  = 100.
variable label chloroq "Chloroquine".

compute other = 0.
if (MN6BX = "X") other  = 100.
variable label other "Other medicines".

compute dk = 0.
if (MN6BZ = "Z") dk  = 100.
variable label dk "Don't know medicine".

tables
  /format = zero
  /observation = prevent onetime twotimes fansun chloroq other dk
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + melevel + wlthind5 + HC1C + tot1 by
        prevent + onetime + twotimes + fansun + chloroq + other + dk + total
  /statistics
    mean(prevent (f5.1) '')
    mean(onetime (f5.1) '')
    mean(twotimes (f5.1) '')
    mean(fansun (f5.1) '')
    mean(chloroq (f5.1) '')
```

```
    mean(other (f5.1) '')
    mean(dk (f5.1) '')
    count(total (f5.0) '')
  /title
    "Table CH.13: Intermittent preventive treatment for malaria"
            "Percent distribution of women aged 15-49 years with a birth in two
years "+
            "preceding the survey who received intermittent preventive therapy
(IPT) "+
    "for malaria during pregnancy ,The Gambia,  2005/2006"
  /caption
    "* MICS Indicator 40".

new file.

*****************************File:include "04 - CH.15.sps".

get file = 'hh.sav'.

select if (HH9 = 1).

weight by hhweight.


compute treated  = 0.
if ((TN2CC = 1) and
  TN5 = 1 and  TN6 < 12) treated = 100.
if (TN7 = 1 and TN8 < 12) treated = 100.
variable label treated "Percentage of households with at least one "+
  "insecticide treated net (ITN)*".


compute treated  = 0.
if (TN7 = 1 and TN8 < 12) treated  =100.
if ((TN2CC = 1) and
  TN5 = 1 and  TN6 < 12) treated = 100.
variable label treated "Households with at least one ITN".

select if (treated = 100).

compute htotal = 1.
variable label htotal "Number of households with an least one".
value label htotal 1 "".

recode TN3A (11 through 16 = 1) (21 through 26 = 2) (else = 3) into tnsource.
variable label tnsource "Source of insecticide treated nets".
value label tnsource
      1 "Public*"
      2 "Private"
      3 "Other".

do if (tnsource = 1).
+ compute tnpufree = 0.
+ if (TN3B = 9996 | TN3B = 0000) tnpufree = 100.
+ if (TN3B > 0 & TN3B < 9996) tnpucost = TN3B.
else if (tnsource = 2).
+ compute tnprfree = 0.
```

```
+ if (TN3B = 9996 | TN3B = 0000) tnprfree = 100.
+ if (TN3B > 0 & TN3B < 9996) tnprcost = TN3B.
end if.
variable label tnpufree "Public".
variable label tnprfree "Private".
variable label tnpucost "Public**".
variable label tnprcost "Private**".

compute layer1 = 1.
value label layer1 1 " ".
variable label layer1 "Percentage Free".

compute layer2 = 1.
value label layer2 1 " ".
variable label layer2 "Median cost for those not free".

tables
  /format = zero
      /observation tnpufree tnprfree tnpucost tnprcost
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
        tnsource + tot1 + htotal + layer1 > (tnpufree + tnprfree) +
            layer2 > (tnpucost + tnprcost)
  /statistics
    cpct(tnsource (f5.1) '': HH7 HH6 helevel wlthind5 HC1B)
    count(htotal (f5.0) '')
            mean(tnpufree (f5.1) '')
            mean(tnprfree (f5.1) '')
            median(tnpucost (f5.1) '')
            median(tnprcost (f5.1) '')
  /title
        "Table CH.14: Source of supplies for malaria treatment"
    "Percent distribution of households by source of "+
            "insecticide treated nets for prevention of malaria and percent "+
            "distribution of children with fever in the prior two weeks who "+
            "received antimalarials by source "+
            "of anti-malarials, The Gambia,  2005/2006"
  /caption
    "* MICS indicator 96"
    "** MICS indicator 97".

new file.

*****************************File:include "04 - CH.16.sps".

get file = 'ch.sav'.

weight by chweight.

select if (UF9  = 1 and CA11A = "A") .

compute tari = 1.
value label tari  1 "".
variable label tari "Number children with suspected pneumonia in prior 2 "+
  "weeks who received antibiotics".

recode  CA11B (11 thru 16 = 1) (21 thru 26 = 2) (else  = 3) into anti.
```

```
variable label anti "Antibiotic".
value label anti 1 "Public*" 2 "Private" 3 "Others".

do if (anti = 1).
+ compute anpufree = 0.
+ if (CA11C = 9996 | CA11C = 0000) anpufree = 100.
+ if (CA11C > 0 & CA11C < 9996) anpucost = CA11C.
else if (anti = 2).
+ compute anprfree = 0.
+ if (CA11C = 9996 | CA11C = 0000) anprfree = 100.
+ if (CA11C > 0 & CA11C < 9996) anprcost = CA11C.
end if.
variable label anpufree "Public".
variable label anprfree "Private".
variable label anpucost "Public**".
variable label anprcost "Private**".

compute layer1 = 1.
value label layer1 1 " ".
variable label layer1 "Percentage Free".

compute layer2 = 1.
value label layer2 1 " ".
variable label layer2 "Median cost for those not free (in Dalasis)".

tables
  /format = zero
      /observation = anpufree anprfree anpucost anprcost
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + melevel + wlthind5 + HC1C + tot1 by anti + tot1 +
       tari + layer1 > (anpufree + anprfree) + layer2 > (anpucost + anprcost)
  /statistics
    cpct(anti (f5.1) '': HL4 HH7 HH6 melevel wlthind5 HC1C)
    count(tari (f5.0) '')
    mean(anpufree (f5.1) '')
    mean(anprfree (f5.1) '')
    median(anpucost (f5.1) '')
    median(anprcost (f5.1) '')
  /title
       "Table CH.16: Source and cost of supplies for antibiotics"
           "Percent distribution of children aged 0-59 months with suspected "+
           "pneumonia during the two weeks preceding the survey by source of "+
           "antibotics for treatment of pneumonia, percentage of children aged
0-59 "
           "with suspected pneumonia during the two weeks preceding the survey
for "+
           "whom antibiotics were obtained for free, and median cost of
antibiotics "+
           "for those paying for the antibiotics, by type of source of
antibiotics, "+
           "The Gambia,  2005/2006"
  /caption
    "* MICS indicator 96"
    "** MICS indicator 97".

new file.
```

```
*****************************File:include "04 - CH.17.sps".

get file = 'ch.sav'.

weight by chweight.

select if (UF9  = 1 and CA2A = 1).

compute tdiar = 1.
value label tdiar  1 "".
variable label tdiar "Number of children with diarrhoea in prior 2 weeks "+
  "who received oral rehydration salts".

recode  CA4B (11 thru 16 = 1) (21 thru 26 = 2) (else  = 3) into ors.
variable label ors "Oral rehydration salts".
value label ors 1 "Public*" 2 "Private" 3"Others".

do if (ors = 1).
+ compute orpufree = 0.
+ if (CA4C = 9996 | CA4C = 0000) orpufree = 100.
+ if (CA4C > 0 & CA4C < 9996) orpucost = CA4C.
else if (ors = 2).
+ compute orprfree = 0.
+ if (CA4C = 9996 | CA4C = 0000) orprfree = 100.
+ if (CA4C > 0 & CA4C < 9996) orprcost = CA4C.
end if.
variable label orpufree "Public".
variable label orprfree "Private".
variable label orpucost "Public**".
variable label orprcost "Private**".

compute layer1 = 1.
value label layer1 1 " ".
variable label layer1 "Percentage Free".

compute layer2 = 1.
value label layer2 1 " ".
variable label layer2 "Median cost for those not free (in Dalasis)".

tables
  /format = zero
      /observation = orpufree orprfree orpucost orprcost
  /ftotal = tot1 "Total"
  /table = HL4 + HH7 + HH6 + melevel + wlthind5 + HC1C + tot1 by ors + tot1 +
        tdiar + layer1 > (orpufree + orprfree) + layer2 > (orpucost + orprcost)
  /statistics
    cpct(ors (f5.1) '': HL4 HH7 HH6 melevel wlthind5 HC1C)
    count(tdiar (f5.0) '')
    mean(orpufree (f5.1) '')
    mean(orprfree (f5.1) '')
    median(orpucost (f5.1) '')
    median(orprcost (f5.1) '')
  /title
        "Table CH.17: Source and cost of supplies for oral rehydration salts"
```

```
            "Percent distribution of children aged 0-59 months with diarrhoea
during "+
            "the two weeks preceding the survey by source of oral rehydration
salts "+
            "for treatment of diarrhoea, percentage of children aged 0-59 months
"
            "with diarrhoea during the two weeks preceding the survey for whom
oral "+
            "rehydration salts were obtained for free, and median cost of oral
"+
            "rehydration salts for those paying for the oral rehydration salts,
by "
            "type of source of oral rehydration salts, The Gambia,   2005/2006"
  /caption
    "* MICS indicator 96"
    "** MICS indicator 97".

new file.


*****************************File:include "05 - EN.01.sps".

get file = 'hh.sav'.
select if (HH9 = 1).
compute hhweight = hhweight*HH11.


weight by hhweight.

recode WS1 (98,99 = 99) (else = copy) into WS1.

compute improved = 0.
if (WS1 = 11 or  WS1 = 12 or WS1 = 13 or WS1 = 21 or WS1 = 31 or
  WS1 = 51) improved = 100.
if ((WS2 = 11 or WS2 = 12 or WS2 = 13 or WS2 = 21 or WS2 = 31 or
  WS2 = 51) and WS1 = 91) improved = 100.
variable label improved "Improved source of drinking water".

recode improved (100 = 1) (else = 2) into type.

*variable label WS1 "".

variable label type "Main source of drinking water".
value label type
      1 "Improved sources"
      2 "Unimproved sources".

tables
  /format = zero
  /observation = improved
  /ftotal = tot1 "Total" tot2 "Number of household members"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
        type > WS1 + tot1 + improved + tot2
  /statistics
    cpct(ws1 (f5.1) '':HH7 HH6 helevel wlthind5 HC1C)
    mean(improved (f5.1) '')
    count(tot2 (f5.0) '')
```

```
  /title
    "Table EN.1: Use of improved water sources"
            "Percent distribution of household population according to main
source of "+
            "drinking water and percentage of household members using improved
"+
            "drinking water sources, The Gambia,  2005/2006"
  /caption
    "* MICS indicator 11; MDG indicator 30".

new file.



*****************************File:include "05 - EN.02.sps".




include "05 - EN.03.sps".get file = 'hh.sav'.
select if (HH9 = 1).
compute hhweight = hhweight*HH11.


weight by hhweight.

* create variable that will provide title in final table.
compute treat = 1.
value label treat 1  "Water treatment method used in the household".
variable label treat "".

compute none = 0.
if (WS5 <> 1) none = 100.
variable label none "None".

compute boil = 0.
if (WS6A = "A") boil = 100.
variable label boil "Boil".

compute bleach = 0.
if (WS6B = "B") bleach = 100.
variable label bleach "Add bleach/chlorine".

compute cloth = 0.
if (WS6C = "C") cloth = 100.
variable label cloth "Strain through a cloth".

compute wfilter = 0.
if (WS6D = "D") wfilter = 100.
variable label wfilter "Use water filter".

compute solar = 0.
if (WS6E = "E") solar = 100.
variable label solar "Solar disinfection".

compute stand = 0.
if (WS6F = "F") stand = 100.
```

```
variable label stand "Let it stand and settle".

compute other = 0.
if (WS6X = "X") other = 100.
variable label other "Other".

compute dk = 0.
if (WS6Z = "Z") dk = 100.
variable label dk "Don't know".

compute allh = 0.
if (boil = 100 or bleach = 100 or wfilter = 100 or solar = 100) allh = 100.
variable label allh "All drinking water sources: Appropriate water treatment
method *".

compute total = 1.
value label total 1 "".
variable label total "Number of household members".

recode WS1 (11,12,13,21,31,41,51 = 1) (else = 2) into type.
do if (WS1 = 91).
recode WS2 (11,12,13,21,31,41,51 = 1) (else = 2) into type.
end if.
variable label type "".
value label type 1 "Improved sources" 2 "Unimproved sources".

do if (type  = 1).
+ compute improved = 0.
+ if (boil = 100 or bleach = 100 or wfilter = 100 or solar = 100) improved =
100.
+ compute itotal = 1.
end if.
variable label improved "Improved drinking water sources: Appropriate water
treatment method".
value label itotal  1 "".
variable label itotal "Number of household members".

do if (type  = 2).
+ compute unimp = 0.
+ if (boil = 100 or bleach = 100 or wfilter = 100 or solar = 100) unimp = 100.
+ compute utotal = 1.
end if.
variable label unimp "Unimproved drinking water sources: Approprate water
treatment method".
value label utotal  1 "".
variable label utotal "Number of household members".

tables
  /format = zero
  /observation = none boil bleach cloth wfilter solar stand other dk allh
        improved unimp
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by treat >
        (none + boil + bleach + cloth + wfilter + solar + stand + other + dk) +
            allh + total + improved + itotal + unimp + utotal
  /statistics
    mean(none (f5.1) '')
```

```
    mean(boil (f5.1) '')
    mean(bleach (f5.1) '')
    mean(cloth (f5.1) '')
    mean(wfilter (f5.1) '')
    mean(solar (f5.1) '')
    mean(stand (f5.1) '')
    mean(other (f5.1) '')
    mean(dk (f5.1) '')
    mean(allh (f5.1) '')
    count(total (f5.0) '')
    mean(improved (f5.1) '')
    count(itotal (f5.0) '')
    mean(unimp (f5.1) '')
    count(utotal (f5.0) '')
  /title
    "Table EN.2: Household water treatment"
            "Percentage distribution of household population according to
drinking water "+
            "treatment method used in the household and percentage of household
"+
            "members that applied an appropriate water treatment method, The
Gambia,   2005/2006"
  /caption
    "* MICS indicator 13".

new file.



*****************************File: include "05 - EN.04.sps".

get file = 'hh.sav'.

select if (HH9 = 1).

weight by hhweight.

compute total  = 1.
variable label total "Number of households".
value label total 1 "".

select if (not(sysmis(WS4))).

variable label WS4 "Person collecting drinking water".

tables
  /format = zero
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by WS4 + tot1 + total
  /statistics
    cpct(WS4 (f5.1) '':HH7 HH6 helevel wlthind5 HC1C)
  /title
    "Table EN.4: Person collecting water"
            "Percent distribution of households according to the person
collecting "+
            "water used in the household, The Gambia, 2005/2006".
```

```
new file.


*****************************File:include "05 - EN.05.sps".

get file = 'hh.sav'.
select if (HH9 = 1).
compute hhweight = hhweight*HH11.


weight by hhweight.

recode WS7 (11,12,13,21,22,31 = 1) (else = 2) into type.
variable label type "Type of toilet facility used by household".
value label type
      1 "Improved sanitation facility"
      2 "Unimproved sanitation facility".

recode WS7 (97,99 = 99) (else = copy) into WS7.
variable label WS7 "".

recode type (1 = 100) (else = 0) into sanitary.
variable label sanitary "Percentage of population using sanitary means of
excreta disposal *".

tables
  /format = zero
  /ftotal = tot1 "Total"  tot2 "Number of households members"
 /observations=sanitary
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
        type > WS7 + tot1 + sanitary + tot2
  /statistics
    cpct(WS7 (f5.1) '':HH7 HH6 helevel wlthind5 HC1C)
    mean(sanitary  (f5.1) '')
    count(tot2 (f5.0) '')
  /title
    "Table EN.5: Use of sanitary means of excreta disposal"
            "Percent distribution of household population according to type of
toilet used by "+
            "the household and the percentage of household members using
sanitary "+
            "means of excreta disposal, The Gambia,   2005/2006"
  /caption
    "* MICS Indicator 12; MDG Indicator 31".

new file.



*****************************File:include "05 - EN.05w.sps".

get file = 'hh.sav'.
select if (HH9 = 1).
compute hhweight = hhweight*HH11.


weight by hhweight.
```

```
recode WS7 (11,12,13,21,22,31 = 1) (else = 2) into type.
variable label type "Type of toilet facility used by household".
value label type
      1 "Improved sanitation facility"
      2 "Unimproved sanitation facility".

select if  (type  = 1).
recode WS9 (97,99 = 99) (sysmis=1) (else = copy) into WS9.
variables labels ws9 "Number of households using the improved sanitation
facility".

compute total = 1.
variable label total "Number of households members using improved sanitation
facilities".
value label total 1 "".

tables
  /format = zero
  /ftotal = tot1 "Total"
 /table = WS7+HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
         WS9 + tot1 + total
  /statistics
    cpct(WS9 (f5.1) '': WS7 HH7 HH6 helevel wlthind5 HC1C)
    count(total (f5.0) '')
  /title
    "Table EN.5w: Shared use of improved sanitation facilities (working table)"+
            "Percent distribution of household population using improved
sanitation facilities by number"+
                        " of the households using the facility, The Gambia,
2005/2006".
new file.


*****************************File:include "05 - EN.06.sps".



get file = 'ch.sav'.

select if (UF9 = 1).

weight by chweight.

select if (UF11 < 3).

recode CA13 (1,2 = 100) (else = 0) into stools.
variable label stools "Proportion of children whose stools are disposed of "+
  "safely *".

compute total  = 1.
value label total 1 "".
variable label total "Number of children aged 0-2 years".

tables
  /format = zero
  /observation = stools
```

```
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + melevel + wlthind5 + HC1C + tot1 by
        CA13 + tot1 + stools + total
  /statistics
    cpct(CA13 (f5.1) '':HH7 HH6 melevel wlthind5 HC1C)
    mean(stools (f5.1) '')
    count(total (f5.0) '')
  /title
    "Table EN.6: Disposal of child's faeces"
            "Percent distribution of children aged 0-2 years according to place
of "+
            "disposal of child's faeces, and the percentage of children aged 0-2
"+
            "years whose stools are disposed of safely, The Gambia,  2005/2006"
  /caption
    "* MICS indicator 14".

new file.


*****************************File:include "05 - EN.07.sps".


get file = 'hh.sav'.
select if (HH9 = 1).
compute hhweight = hhweight*HH11.


weight by hhweight.

compute total  = 1.
value label total 1 "".
variable label total "Number of housholds".

compute improved = 0.
if (WS1 = 11 or  WS1 = 12 or WS1 = 13 or WS1 = 21 or WS1 = 31 or WS1 = 41 or
  WS1 = 51) improved = 100.
if ((WS2 = 11 or WS2 = 12 or WS2 = 13 or WS2 = 21 or WS2 = 31 or WS2 = 41 or
  WS2 = 51) and WS1 = 91) improved = 100.
variable label improved "Percentage of household population using improved
sources of drinking water *".

recode WS7 (11,12,13,21,22,31 = 100) (else = 0) into sanitary.
variable label sanitary "Percentage of household population using sanitary means
of excreta disposal **".

compute imwims = 0.
if (improved = 100 and sanitary = 100) imwims = 100.
variable label imwims "Percentage of household population using improved
sources"+
  " of drinking water and using sanitary means of excreta disposal".

tables
  /format = zero
  /observation = improved sanitary imwims
  /ftotal = tot1 "Total" tot2 "Number of household members"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
```

```
        improved + sanitary + imwims + tot2
  /statistics
    mean(improved (f5.1) '')
    mean(sanitary (f5.1) '')
    mean(imwims (f5.1) '')
   count(tot2 (f5.0) '')
  /title
    "Table EN.7: Use of improved water sources and improved sanitation"
            "Percentage of household population using both improved drinking
water "+
            "sources and sanitary means of excreta disposal, The Gambia,
2005/2006"
  /caption
    "* MICS indicator 11; MDG indicator 30"
            "** MICS indicator 12; MDG indicator 31".

new file.



*****************************File:include "05 - EN.08.sps".

get file = 'hl.sav'.

* select those in urban area; add capital city if it is not all urban.
select if (HH6 = 1).

weight by hhweight.

compute formal = 100.
if (HC15B = 1 or HC15CA = 'A' or HC15CB = 'B' or HC15D = 1) formal = 0.
variable label formal "Household does not have formal documentation for the
residence".

recode HC15F (2 = 100) (else = 0) into eviction.
variable label eviction "Respondent feels there is a risk of eviction".

compute security = 0.
if (formal = 100 or eviction = 100) security = 100.
variable label security "Household does not have security of tenure *".

compute evicted = 0.
if (HC15G = 1) evicted = 100.
variable label evicted "Household members evicted from any dwelling prior 5
years".

compute total = 1.
value label total 1 "".
variable label total "Numbers of households members"

tables
  /format = zero
  /observation = formal eviction security evicted
  /ftotal = tot1 "Total"
  /table = HH7 + HH6 + helevel + wlthind5 + HC1C + tot1 by
        formal + eviction + security + evicted + total
  /statistics
```

```
    mean(formal (f5.1) '')
    mean(eviction (f5.1) '')
    mean(security (f5.1) '')
    mean(evicted (f5.1) '')
    count(total (f5.0) '')
  /title
    "Table EN.8: Security of tenure"
            "Percentage of household members living in households in urban areas
(or "+
            "in capital city) which lack formal documentation for their
residencce "+
            "in the dwelling or who feel at risk of eviction from the dwelling,
"
    "and the percentage of respondents who have been evicted from their home "+
            "in the 5 years preceding the survey, The Gambia, 2006"
  /caption
    "* MICS Indicator 93".

new file.


*****************************File:include "05 - EN.09.sps".

get file = 'hh.sav'.

select if (HH9 = 1).

* select those in urban area; add capital city if it is not all urban.
select if (HH6 = 1).

weight by hhweight.

compute total = 1.
value label total 1 "".
variable label total "Total".

recode HC3 (11 thru 16 = 100) (else = 0) into fnatur.
variable label fnatur "Dwelling has natural floor material".

compute poora = 0.
if (HC15IA = "A") poora = 100.
compute poorb = 0.
if (HC15IB = "B") poorb = 100.
compute poorc = 0.
if (HC15IC = "C") poorc = 100.
compute poord = 0.
if (HC15ID = "D") poord = 100.
compute poore = 0.
if (HC15IE = "E") poore = 100.
compute poorf  = 0.
if (HC15IF = "F") poorf = 100.

count poor = poora poorb poorc poord poore poorf  (100).

compute tworep = 0.
if (poor >= 2) tworep = 100.
variable label tworep "Dwelling is in poor condition".
```

```
compute narrow  = 0.
if (HC15JA = "A" and HC15JB = "B") narrow  = 100.
variable label narrow "Dwelling is vulnerable to accidents".

compute hazarda = 0.
if (HC15HA = "A") hazarda = 100.
compute hazardb = 0.
if (HC15HB = "B") hazardb = 100.
compute hazardc = 0.
if (HC15HC = "C") hazardc = 100.
compute hazardd = 0.
if (HC15HD = "D") hazardd = 100.
compute hazarde = 0.
if (HC15HE = "E") hazarde = 100.
compute hazardf  = 0.
if (HC15HF = "F") hazardf = 100.
compute hazardg = 0.
if (HC15HG = "G") hazardg = 100.
compute hazardh = 0.
if (HC15HH = "H") hazardh = 100.
compute hazardi = 0.
if (HC15HI = "I") hazardi = 100.

count hazard = hazarda hazardb hazardc hazardd hazarde hazardf hazardg hazardh
  hazardi (100).

compute fourhaz = 0.
if (hazard >= 4) fourhaz = 100.
variable label fourhaz "Dwelling located in hazardous location".

compute ndurab = 0.
if ((fnatur = 100 and tworep = 100) or narrow = 100 or fourhaz = 100)
  ndurab = 100.
variable label ndurab "Percent of households living in dwelling considered non-
durable".

do if (ndurab = 100).
+ compute totals = 1.
+ compute pop = hh11.
end if.
variable label totals "Number of households considered non-durable".
variable label pop "Number of household members living in non-durable dwelling".

aggregate outfile = 'tmp1.sav'
  /break    = helevel
  /fnatural = means(fnatur)
  /spoor    = means(tworep)
  /snarrow  = means(narrow)
  /sfourhaz = means(fourhaz)
  /ndurable = means(ndurab)
  /spop     = sum(pop)
  /shh11    = sum(hh11)
  /stotal   = sum(total).

aggregate outfile = 'tmp2.sav'
  /break    = wlthind5
```

```
  /fnatural = means(fnatur)
  /spoor    = means(tworep)
  /snarrow  = means(narrow)
  /sfourhaz = means(fourhaz)
  /ndurable = means(ndurab)
  /spop     = sum(pop)
  /shh11    = sum(hh11)
  /stotal   = sum(total).

aggregate outfile = 'tmp3.sav'
  /break    = HC1C
  /fnatural = means(fnatur)
  /spoor    = means(tworep)
  /snarrow  = means(narrow)
  /sfourhaz = means(fourhaz)
  /ndurable = means(ndurab)
  /spop     = sum(pop)
  /shh11    = sum(hh11)
  /stotal   = sum(total).

aggregate outfile = 'tmp6.sav'
  /break    = total
  /fnatural = means(fnatur)
  /spoor    = means(tworep)
  /snarrow  = means(narrow)
  /sfourhaz = means(fourhaz)
  /ndurable = means(ndurab)
  /spop     = sum(pop)
  /shh11    = sum(hh11)
  /stotal   = sum(total).

get file = 'tmp1.sav'.

add files
  /file = *
  /file = 'tmp2.sav'
  /file = 'tmp3.sav'
  /file = 'tmp6.sav'.

variable label fnatural "Dwelling has natural floor material".
variable label spoor "Dwelling is in poor condition".
variable label snarrow "Dwelling is vulnerable to accidents".
variable label sfourhaz "Dwelling located in hazardous location".
variable label ndurable  "Percent of households living in dwellings considered
non durable *".
variable label spop "Number of household members living in dwellings considered
non durable".
variable label shh11 "Number of household members".
variable label stotal "Number of households".

compute percent = (spop/shh11)*100.
variable label percent "Percent of household members living in dwelling
considered non-durable".

tables
  /format = zero
  /observation = fnatural spoor snarrow sfourhaz ndurable stotal percent shh11
```

```
  /ftotal = tot1 "Total"
  /table = helevel + wlthind5 + HC1C + total by
        fnatural + spoor + snarrow + sfourhaz + ndurable + stotal + percent +
shh11
  /statistics
    mean(fnatural (f5.1) '')
    mean(spoor (f5.1) '')
    mean(snarrow (f5.1) '')
    mean(sfourhaz (f5.1) '')
    mean(ndurable (f5.1) '')
    sum(stotal (f5.0) '')
    mean(percent (f5.1) '')
    sum(shh11 (f5.0) '')
  /title
    "Table EN.9: Durability of housing"
            "Percentage of households and household members living in dwellings
in "+
            "urban areas (or capital city) that are not considered durable "+
    "by background characteristics, The Gambia,2005/2006"
  /caption
    "* MICS Indicator 94".

new file.
erase file = 'tmp1.sav'.
erase file = 'tmp2.sav'.
erase file = 'tmp3.sav'.
erase file = 'tmp6.sav'.



*****************************File:include "05 - EN.10.sps".
get file = 'hh.sav'.

select if (hh9 = 1).

* select those in urban area; add capital city if it is not all urban.
select if (HH6 = 1).

weight by hhweight.

compute total = 1.
value label total 1 "".
variable label total "Total".

recode HC3 (11 thru 16 = 100) (else = 0) into fnatural.
variable label fnatural "Dwelling has natural floor material".

compute poora = 0.
if (HC15IA = "A") poora = 100.
compute poorb = 0.
if (HC15IB = "B") poorb = 100.
compute poorc = 0.
if (HC15IC = "C") poorc = 100.
compute poord = 0.
if (HC15ID = "D") poord = 100.
compute poore = 0.
if (HC15IE = "E") poore = 100.
```

```
compute poorf  = 0.
if (HC15IF = "F") poorf = 100.

count poor = poora poorb poorc poord poore poorf  (100).

compute tworep = 0.
if (poor >= 2) tworep = 100.
variable label tworep "Dwelling is in poor condition".

compute narrow  = 0.
if (HC15JA = "A" and HC15JB = "B") narrow  = 100.
variable label narrow "Dwelling is vulnerable to accidents".

compute hazarda = 0.
if (HC15HA = "A") hazarda = 100.
compute hazardb = 0.
if (HC15HB = "B") hazardb = 100.
compute hazardc = 0.
if (HC15HC = "C") hazardc = 100.
compute hazardd = 0.
if (HC15HD = "D") hazardd = 100.
compute hazarde = 0.
if (HC15HE = "E") hazarde = 100.
compute hazardf = 0.
if (HC15HF = "F") hazardf = 100.
compute hazardg = 0.
if (HC15HG = "G") hazardg = 100.
compute hazardh = 0.
if (HC15HH = "H") hazardh = 100.
compute hazardi = 0.
if (HC15HI = "I") hazardi = 100.

count hazard = hazarda hazardb hazardc hazardd hazarde hazardf hazardg hazardh
  hazardi (100).

compute fourhaz = 0.
if (hazard >= 4) fourhaz = 100.
variable label fourhaz "Dwelling located in hazardous location".

compute ndurab = 0.
if ((fnatural = 100 and tworep = 100) or narrow = 100 or fourhaz = 100)
  ndurab = 100.
variable label ndurab "Percent of households living in dwelling considered non-
durable".

compute formal  = 100.
if (HC15B = 1 or HC15CA = 'A' or HC15CB = 'B' or HC15D = 1) formal = 0.
variable label formal "Household does not have formal documentation for the
residence".

recode HC15F (2 = 100) (else = 0) into eviction.
variable label eviction "Respondent feels there is a risk of eviction".

compute lsecur = 0.
if (formal = 100 or eviction = 100) lsecur = 100.
variable label lsecur "Lack of security of tenure".
```

```
compute npersr = trunc(HH11/HC2).
variable label npersr "Number of persons per sleeping  room".

compute over3 = 0.
if (npersr >= 4) over3 = 100.
variable label over3 "Over-crowding: more than three persons per sleeping room".

compute limprov = 100.
if (WS1 = 11 or  WS1 = 12 or WS1 = 13 or WS1 = 21 or WS1 = 31 or WS1 = 41 or
  WS1 = 51) limprov = 0.
if ((WS2 = 11 or WS2 = 12 or WS2 = 13 or WS2 = 21 or WS2 = 31 or WS2 = 41 or
  WS2 = 51) and WS1 = 91) limprov = 0.
variable label limprov "Lack of use of improved water source".

recode WS7 (11,12,12,21,22,31 = 0) (else = 100) into lsanit.
variable label lsanit "Lack of use of improved sanitation".

compute nhslum = 0.
if (ndurab = 100 or lsecur = 100 or over3 = 100 or limprov = 100 or lsanit =
100) nhslum = 100.
variable label nhslum "Percent of households considered to be living in slum
housing".

if (nhslum = 100) totals = 1.
variable label totals "Number of households living in slum housing".

compute pop = 0.
if (nhslum = 100) pop = HH11.
variable label pop "Number of household members considered to be living in slum
housing".

aggregate outfile = 'tmp1.sav'
  /break    = helevel
  /ndurable = means(ndurab)
  /lsecure  = means(lsecur)
  /over3p   = means(over3)
  /limprove = means(limprov)
  /lsanitat = means(lsanit)
  /hslum    = means(nhslum)
  /stotal   = sum(total)
  /spop     = sum(pop)
  /shh11    = sum(hh11).

aggregate outfile = 'tmp2.sav'
  /break    = wlthind5
  /ndurable = means(ndurab)
  /lsecure  = means(lsecur)
  /over3p   = means(over3)
  /limprove = means(limprov)
  /lsanitat = means(lsanit)
  /hslum    = means(nhslum)
  /stotal   = sum(total)
  /spop     = sum(pop)
  /shh11    = sum(hh11).

aggregate outfile = 'tmp3.sav'
  /break    = HC1C
```

```
  /ndurable = means(ndurab)
  /lsecure  = means(lsecur)
  /over3p   = means(over3)
  /limprove = means(limprov)
  /lsanitat = means(lsanit)
  /hslum    = means(nhslum)
  /stotal   = sum(total)
  /spop     = sum(pop)
  /shh11    = sum(hh11).

aggregate outfile = 'tmp6.sav'
  /break    = total
  /ndurable = means(ndurab)
  /lsecure  = means(lsecur)
  /over3p   = means(over3)
  /limprove = means(limprov)
  /lsanitat = means(lsanit)
  /hslum    = means(nhslum)
  /stotal   = sum(total)
  /spop     = sum(pop)
  /shh11    = sum(hh11).

get file = 'tmp1.sav'.

add files
  /file = *
  /file = 'tmp2.sav'
  /file = 'tmp3.sav'
  /file = 'tmp6.sav'.

variable label ndurable  "Dwelling considered non durable".
variable label lsecure "Lack of security of tenure".
variable label over3p "Over crowding more than three persons per sleeping room".
variable label limprove "Lack of use of improved water source".
variable label lsanitat "Lack of use of improved sanitation".
variable label hslum "Percent of households considered to be living in slum
housing *".
variable label stotal "Number of households".
variable label spop "Number of household members living in dwelling considered
non-durable".
variable label shh11 "Number of household members".

compute percent = (spop/shh11)*100.
variable label percent "Percent of households members considered to be living in
slum housing".

tables
  /format = zero
  /observation = ndurable lsecure over3p limprove lsanitat hslum stotal percent
        shh11
  /ftotal = tot1 "Total"
  /table =  helevel + wlthind5 + HC1C + total by
        ndurable + lsecure + over3p + limprove + lsanitat + hslum + stotal +
            percent + shh11
  /statistics
    mean(ndurable (f5.1) '')
    mean(lsecure (f5.1) '')
```

```
    mean(over3p (f5.1) '')
    mean(limprove (f5.1) '')
    mean(lsanitat (f5.1) '')
    mean(hslum (f5.1) '')
    sum(stotal (f5.0) '')
    mean(percent (f5.1) '')
    sum(shh11 (f5.0) '')
  /title
    "Table EN.10: Slum housing"
            "Percentage of households and household members in urban areas (or
capital city) "+
                        "that are considered as living in slum housing,  by
background characterictics, The Gambia, 2005/2006"
  /caption
    "*MICS Indicator 95; MDG Indicator 32".

new file.
erase file = 'tmp1.sav'.
erase file = 'tmp2.sav'.
erase file = 'tmp3.sav'.
erase file = 'tmp6.sav'.


include "06 - RH.03.sps".
include "06 - RH.04.sps".
include "06 - RH.04w.sps".
include "06 - RH.05.sps".
include "07 - CD.01.sps".
include "07 - CD.03.sps".
include "08 - ED.01.sps".
include "08 - ED.02.sps".
include "08 - ED.03.sps".
include "08 - ED.04.sps".
include "08 - ED.04w.sps".
include "08 - ED.05.sps".
include "08 - ED.06.sps".
include "08 - ED.07.sps".
include "08 - ED.08.sps".
include "08 - ED.04 b gambia".
include "09 - CP.01.sps".
include "09 - CP.02.sps".
include "09 - CP.02w.sps".
include "09 - CP.03.sps".
include "09 - CP.05.sps".
include "09 - CP.06.sps".
include "09 - CP.07.sps".
*include "09 - CP.08.sps".
include "09 - CP.09.sps".
include "10 - HA.01.sps".
include "10 - HA.02.sps".
include "10 - HA.03.sps".
include "10 - HA.04.sps".
include "10 - HA.05.sps".
include "10 - HA.06.sps".
include "10 - HA.07.sps".
include "10 - HA.08.sps".
include "10 - HA.09.sps".
```

```
include "10 - HA.10.sps".
include "10 - HA.11.sps".
include "10 - HA.12.sps".
*include "10 - HA.13.sps".
include "10 - HA.14.sps".
include "10 - HA.15.sps".

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```