**EPI INFO SYNTAX TO BE USED FOR ANALYSIS OF A FULL SENS SURVEY**

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Standard analysis commands using Epi Info 7 for Windows are available in each individual module Annexes.

**Annex 4** of the SENS Pre-module contains guidance on the main Epi Info commands to use for analysing SENS survey data with some examples of analysis outputs.

Free guidance on the use of Epi Info for Windows and training material on Epi Info can be found at the following site: <http://www.cdc.gov/EpiInfo>

**Data analysis in one camp/survey area**

This tool provides the standard Epi Info codes (PGM codes) to use for analysis of a full SENS survey using ***simple or systematic random sampling***, in one camp.

E.g.

FREQ ARRIVE

Or

MEANS HHADR

If you are analysing a ***cluster survey***, you need to use the Complex Sample commands in the Advanced Statistics module.

E.g.

FREQ ARRIVE PSUVAR=CLUSTER

Or

MEANS HHADR PSUVAR=CLUSTER

**Data analysis in multiple camps/survey areas**

To analyze data from ***multiple camps*** at the same time, you will need to define a new variable: CAMPNUMB.

Then, you will need to recode CAMPNAME to CAMPNUMB.

In the Demography and Household (Food Security, Mosquito Net Coverage and WASH) database, please use the variable CAMPNAME.

In the Child database, please use the variable CAMPNAME\_C.

In the Woman database, please use the variable CAMPNAME\_W.

E.g.

DEFINE CAMPNUMB

RECODE CAMPNAME TO CAMPNUMB

"Nduta" = "1"

"Mtendeli" = "2"

END

Follow the same analysis than for one camp using the newly defined variable CAMPNUMB to obtain results for each camp/survey area.

E.g.

FREQ ARRIVE STRATAVAR=CAMPNUMB

Or

MEANS HHADR STRATAVAR=CAMPNUMB

If you are analysing a ***cluster survey***, you need to use the Complex Sample commands in the Advanced Statistics module.

E.g.

SELECT CAMPNUMB=1

FREQ ARRIVE PSUVAR=CLUSTER

SELECT

SELECT CAMPNUMB=2

FREQ ARRIVE PSUVAR=CLUSTER

SELECT

1. **Module 1: Demography**

***Actual number of households surveyed and % of target***

FREQ MDCCONST

***Non-response rate***

**Hand calculation:** 100% - % of target

## **HOUSEHOLD SIZE AND COMPOSITION**

***Total population surveyed***

MEANS DMHHSIZE

***Total U2 surveyed***

MEANS TOTU2

***Total U5 surveyed***

MEANS TOTU5

***Average HH size***

MEANS DMHHSIZE

***HH size categories***

DEFINE DMHHSIZE\_c

RECODE DMHHSIZE TO DMHHSIZE\_c

1 - 4 = "1-4"

5 - 6 = "5-6"

7 - 9 = "7-9"

10 - "HIVALUE" = ">=10"

END

FREQ DMHHSIZE\_c

***HH composition***

MEANS TOTU2

MEANS TOTU5

MEANS TOT514

MEANS TOT1564

MEANS TOT65OLD

***Percent of children U2***

MEANS DMHHSIZE

MEANS TOTU2

**Hand calculation:**

[Total number of children U2 in surveyed households / Total number of people (all ages) in surveyed households] \* 100

***Percent of children U5***

MEANS DMHHSIZE

MEANS TOTU5

**Hand calculation:**

[Total number of children U5 in surveyed households / Total number of people (all ages) in surveyed households] \* 100

***Percent of pregnant women***

MEANS DMHHSIZE

MEANS TOTPREG

**Hand calculation:**

[Total number of pregnant women in surveyed households / Total number of people (all ages) in surveyed households] \* 100

***Percent of elders***

MEANS DMHHSIZE

MEANS TOT65OLD

**Hand calculation:**

[Total number of people 65 and older in surveyed households / Total number of people (all ages) in surveyed households] \* 100

***Sex ratio***

MEANS HHMSIZE

MEANS HHFSIZE

**Hand calculation:**

Total number of males / Total number of females in surveyed households

***Population Pyramid***

Select tab “HHM” in the Demography database.

DEFINE PYRAMID\_c

RECODE HHMAGE TO PYRAMID\_c

0 - 4 = "0-4 years"

5 - 9 = "5-9 years"

10 - 14 = "10-14 years"

15 - 19 = "15-19 years"

20 - 24 = "20-24 years"

25 - 29 = "25-29 years"

30 - 34 = "30-34 years"

35 - 39 = "35-39 years"

40 - 44 = "40-44 years"

45 - 49 = "45-49 years"

50 - 54 = "50-54 years"

55 - 59 = "55-59 years"

60 - 64 = "60-64 years"

65 - 69 = "65-69 years"

70 - 74 = "70-74 years"

75 - 79 = "75-79 years"

80 - 84 = "80-84 years"

85 - 97 = "85+"

END

FREQ PYRAMID\_c STRATAVAR=HHMSEX

## **TIME OF ARRIVAL (OPTIONAL/IF APPLICABLE)**

***Arrival Profile***

SELECT ARRIVE<>8

FREQ ARRIVE

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ARRIVE PSUVAR=CLUSTER

SELECT

***Household arrival dates***

SELECT ARRIVE=1

DEFINE ARRIDATE\_c

RECODE ARRIDATE TO ARRIDATE\_c

1 - 3 = "1-3 months"

4 - 6 = "4-6 months"

7 - 9 = "7-9 months"

10 - 12 = "10-12 months"

13 = "1-2 years"

14 = "2-3 years"

15 = ">3 years"

END

FREQ ARRIDATE\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ARRIDATE\_c PSUVAR=CLUSTER

SELECT

## **HOUSEHOLD HEAD PROFILES**

DEFINE HHHAGE\_c

RECODE HHHAGE TO HHHAGE\_c

LOVALUE - 14 = "<15"

15-64="15-64"

65 - HIVALUE = ">=65"

END

***Female headed households (working age 15-64 years)***

DEFINE HHHFEM

IF HHHAGE\_c ="15-64" AND HHHSEX=2 THEN

HHHFEM= "YES"

ELSE

HHHFEM = "NO"

END

IF HHHAGE =(.) OR HHHSEX=(.) THEN

HHHFEM= (.)

END

SELECT MDCCONST=1 AND HHHAGE<>98

FREQ HHHFEM

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHHFEM PSUVAR=CLUSTER

SELECT

***Male headed households (working age 15-64 years)***

DEFINE HHHMAL

IF HHHAGE\_c ="15-64" AND HHHSEX=1 THEN

HHHMAL= "YES"

ELSE

HHHMAL = "NO"

END

IF HHHAGE =(.) OR HHHSEX=(.) THEN

HHHMAL= (.)

END

SELECT MDCCONST=1 AND HHHAGE<>98

FREQ HHHMAL

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHHMAL PSUVAR=CLUSTER

SELECT

***Children headed households (under 15 years) and elderly headed households (above 64 years)***

SELECT HHHAGE <>98

FREQ HHHAGE\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHHAGE\_c PSUVAR=CLUSTER

SELECT

***Average age of household head (years)***

SELECT HHHAGE <>98

MEANS HHHAGE

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS HHHAGE PSUVAR=CLUSTER

SELECT

***Household country of origin (optional)***

SELECT HHHCTRY <>8

FREQ HHHCTRY

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHHCTRY PSUVAR=CLUSTER

SELECT

## **MIXED POPULATIONS sens (OUT-OF-CAMP) (IF APPLICABLE)**

***HHH from Host community***

SELECT HHHHOST<>8

FREQ HHHHOST

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHHHOST PSUVAR=CLUSTER

SELECT

***HHH Displaced***

DEFINE HHHIDP\_c

IF HHHIDP =1 THEN

HHHIDP\_c = "YES"

ELSE

HHHIDP\_c = "NO"

END

IF HHHIDP =8 THEN

HHHIDP\_c = (.)

END

IF HHHHOST =1 AND HHHIDP = (.) THEN

HHHIDP\_c = (.)

END

SELECT MDCCONST=1

FREQ HHHIDP\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHHIDP\_c PSUVAR=CLUSTER

SELECT

***HHH Refugee***

DEFINE HHHREFUG\_c

IF HHHREFUG =1 THEN

HHHREFUG\_c = "YES"

ELSE

HHHREFUG\_c = "NO"

END

IF HHHREFUG =8 OR HHHHOST=8 THEN

HHHREFUG\_c = (.)

END

IF HHHHOST =2 AND HHHREFUG = (.) THEN

HHHREFUG\_c = (.)

END

SELECT MDCCONST=1

FREQ HHHREFUG\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHHREFUG\_c PSUVAR=CLUSTER

SELECT

***HHH other***

DEFINE HHHOTH

IF HHHHOST =2 AND HHHREFUG=2 THEN

HHHOTH = "YES"

ELSE

HHHOTH = "NO"

END

IF HHHHOST =8 AND HHHREFUG=8 THEN

HHHOTH = (.)

END

IF HHHHOST =(.) THEN

HHHOTH = (.)

END

IF HHHHOST =2 AND HHHREFUG=(.) THEN

HHHOTH = (.)

END

SELECT MDCCONST=1

FREQ HHHOTH

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHHOTH PSUVAR=CLUSTER

SELECT

## **AGE DEPENDENCY RATIO**

MEANS HHADR

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS HHADR PSUVAR=CLUSTER

DEFINE HHADR\_c

RECODE HHADR TO HHADR\_c

LOVALUE - 1 = "<=1"

1.1 - 1.5 = "1.1-1.5"

1.6 - 2 = "1.6-2"

2.1 - "HIVALUE" = ">=2.1"

END

FREQ HHADR\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHADR\_c PSUVAR=CLUSTER

1. **Module 2: Anthropometry and Health**

## **TIME OF ARRIVAL (OPTIONAL/IF APPLICABLE)**

***Actual number of households surveyed and % of target***

SELECT MONTHS>=6 AND MONTHS<60

SELECT CHARRIVE<>8

FREQ CHARRIVE

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ CHARRIVE PSUVAR=CLUSTER

SELECT

## **MEASLES VACCINATION ANALYSIS**

***Measles vaccination coverage with card***

SELECT MONTHS>=9 AND MONTHS<60

FREQ MEASLES

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ MEASLES PSUVAR=CLUSTER

SELECT

***Measles vaccination coverage with card or confirmation from mother***

SELECT MONTHS>=9 AND MONTHS<60

DEFINE MSL\_cc

RECODE MEASLES TO MSL\_cc

1 = "YES"

2 = "YES"

3 = "NO"

END

FREQ MSL\_cc

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ MSL\_cc PSUVAR=CLUSTER

SELECT

## **VITAMIN A SUPPLEMENTATION ANALYSIS**

***Vitamin A capsule coverage with card***

SELECT MONTHS>=6 AND MONTHS<60

FREQ VITA

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ VITA PSUVAR=CLUSTER

SELECT

***Vitamin A capsule coverage with card or confirmation from mother***

SELECT MONTHS>=6 AND MONTHS<60

DEFINE VITA\_cc

RECODE VITA TO VITA\_cc

1 = "YES"

2 = "YES"

3 = "NO"

END

FREQ VITA\_cc

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ VITA\_cc PSUVAR=CLUSTER

SELECT

## **DEWORMING ANALYSIS**

SELECT MONTHS>=12 AND MONTHS<60 AND DEWORM <>8

FREQ DEWORM

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ DEWORM PSUVAR=CLUSTER

SELECT

## **DIARRHOEA ANALYSIS**

***Two week period prevalence of diarrhoea***

SELECT MONTHS>=6 AND MONTHS<60 AND DIAR <>8

FREQ DIAR

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ DIAR PSUVAR=CLUSTER

SELECT

***Use of ORS during diarrhoea episode (optional)***

SELECT MONTHS>=6 AND MONTHS<60 AND DIAR=1 AND DIARORS <>8

FREQ DIARORS

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ DIARORS PSUVAR=CLUSTER

SELECT

***Use of zinc during diarrhoea episode (optional)***

SELECT MONTHS>=6 AND MONTHS<60 AND DIAR=1 AND DIARZINC <>8

FREQ DIARZINC

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ DIARZINC PSUVAR=CLUSTER

SELECT

## **NUTRITION PROGRAMME ENROLMENT ANALYSIS**

***SMART flags exclusion***

DEFINE Flag\_WHZ\_WHO YN

IF [Flag-WHO] ="WHZ" THEN

Flag\_WHZ\_WHO= (+)

END

IF [Flag-WHO] = "WAZ,WHZ" THEN

Flag\_WHZ\_WHO = (+)

END

IF [Flag-WHO] = "HAZ,WHZ" THEN

Flag\_WHZ\_WHO = (+)

END

IF [Flag-WHO] = "WAZ,HAZ,WHZ" THEN

Flag\_WHZ\_WHO = (+)

END

***Supplementary feeding programme enrolment***

***Based on all admission criteria (MUAC, WHZ)***

DEFINE SFPE NUMERIC

IF [WHZ-WHO] >=-3.000 AND [WHZ-WHO] <-2.000 OR MUAC >=115 AND MUAC <125 AND EDEMA="n" THEN

SFPE =1

ELSE

SFPE =2

END

IF [WHZ-WHO] = (.) AND MUAC = (.) THEN

SFPE = (.)

END

SELECT MONTHS>=6 AND MONTHS<60 AND SFPE =1 AND Flag\_WHZ\_WHO = (.) AND ENROL<>8

FREQ ENROL

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ENROL PSUVAR=CLUSTER

SELECT

***Based on MUAC only***

DEFINE SFPE\_MUAC NUMERIC

IF MUAC >=115 AND MUAC <125 AND EDEMA="n" THEN SFPE\_MUAC = 1

ELSE

SFPE\_MUAC = 2

END

IF MUAC = (.) THEN

SFPE\_MUAC = (.)

END

SELECT MONTHS>=6 AND MONTHS<60 AND SFPE\_MUAC =1 AND ENROL<>8

FREQ ENROL

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ENROL PSUVAR=CLUSTER

SELECT

***Therapeutic feeding programme enrolment***

***Based on all admission criteria (MUAC, WHZ, oedema)***

DEFINE TFPE NUMERIC

IF EDEMA = "y" OR MUAC <115 OR [WHZ-WHO] <-3.000 THEN

TFPE = 1

ELSE

TFPE= 2

END

IF EDEMA = (.) AND MUAC = (.) AND [WHZ-WHO] = (.) THEN

TFPE = (.)

END

SELECT MONTHS>=6 AND MONTHS<60 AND TFPE =1 AND Flag\_WHZ\_WHO = (.) AND ENROL<>8

FREQ ENROL

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ENROL PSUVAR=CLUSTER

SELECT

***Based on MUAC and/or oedema only***

DEFINE TFPE\_MUAC NUMERIC

IF MUAC <115 OR EDEMA = "y" THEN

TFPE\_MUAC = 1

ELSE

TFPE\_MUAC = 2

END

IF EDEMA = (.) AND MUAC = (.) THEN

TFPE\_MUAC = (.)

END

SELECT MONTHS>=6 AND MONTHS<60 AND TFPE\_MUAC =1 AND ENROL<>8

FREQ ENROL

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ENROL PSUVAR=CLUSTER

SELECT

***BSFP enrolment***

SELECT MONTHS>=6 AND MONTHS<24 AND BSFP <>8

FREQ BSFP

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ BSFP PSUVAR=CLUSTER

SELECT

## **OVERWEIGHT ANALYSIS BY SEX AND BY AGE**

***SMART flags exclusion***

DEFINE Flag\_WHZ\_WHO YN

IF [Flag-WHO] ="WHZ" THEN

Flag\_WHZ\_WHO= (+)

END

IF [Flag-WHO] = "WAZ,WHZ" THEN

Flag\_WHZ\_WHO = (+)

END

IF [Flag-WHO] = "HAZ,WHZ" THEN

Flag\_WHZ\_WHO = (+)

END

IF [Flag-WHO] = "WAZ,HAZ,WHZ" THEN

Flag\_WHZ\_WHO = (+)

END

***Overweight analysis***

DEFINE OVERWT NUMERIC

IF [WHZ-WHO] >2.000 AND EDEMA= "n"

THEN

OVERWT =1

ELSE

OVERWT =2

END

IF [WHZ-WHO] = (.) THEN

OVERWT = (.)

END

SELECT MONTHS>=6 AND MONTHS<60 AND Flag\_WHZ\_WHO = (.)

FREQ OVERWT

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ OVERWT PSUVAR=CLUSTER

SELECT

***Severe overweight analysis***

DEFINE SEVOVERWT NUMERIC

IF [WHZ-WHO] >3.000 AND EDEMA= "n"

THEN

SEVOVERWT =1

ELSE

SEVOVERWT =2

END

IF [WHZ-WHO] = (.) THEN

SEVOVERWT = (.)

END

SELECT MONTHS>=6 AND MONTHS<60 AND Flag\_WHZ\_WHO = (.)

FREQ SEVOVERWT

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ SEVOVERWT PSUVAR=CLUSTER

SELECT

***Analysis by sex and overweight categories***

SELECT MONTHS>=6 AND MONTHS<60 AND Flag\_WHZ\_WHO = (.)

FREQ OVERWT SEVOVERWT STRATAVAR = SEX

SELECT

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

SELECT MONTHS>=6 AND MONTHS<60 AND Flag\_WHZ\_WHO = (.) AND SEX = "f"

FREQ OVERWT SEVOVERWT PSUVAR = CLUSTER

SELECT

SELECT MONTHS>=6 AND MONTHS<60 AND Flag\_WHZ\_WHO = (.) AND SEX = "m"

FREQ OVERWT SEVOVERWT PSUVAR = CLUSTER

SELECT

***Analysis by age and overweight categories***

DEFINE AGEGROUP

RECODE MONTHS TO AGEGROUP

6 - 11.99 = 1

12 - 23.99 = 2

24 - 35.99 = 3

36 - 47.99 = 4

48 - 59.99 = 5

END

SELECT Flag\_WHZ\_WHO = (.)

FREQ OVERWT SEVOVERWT STRATAVAR = AGEGROUP

SELECT

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

SELECT AGEGROUP=1 AND Flag\_WHZ\_WHO = (.)

FREQ OVERWT SEVOVERWT PSUVAR = CLUSTER

SELECT

SELECT AGEGROUP=2 AND Flag\_WHZ\_WHO = (.)

FREQ OVERWT SEVOVERWT PSUVAR = CLUSTER

SELECT

SELECT AGEGROUP=3 AND Flag\_WHZ\_WHO = (.)

FREQ OVERWT SEVOVERWT PSUVAR = CLUSTER

SELECT

SELECT AGEGROUP=4 AND Flag\_WHZ\_WHO = (.)

FREQ OVERWT SEVOVERWT PSUVAR = CLUSTER

SELECT

SELECT AGEGROUP=5 AND Flag\_WHZ\_WHO = (.)

FREQ OVERWT SEVOVERWT PSUVAR = CLUSTER

SELECT

## **WOMEN PHYSIOLOGICAL STATUS (OPTIONAL)**

***Percent of non-pregnant and non-lactating women***

SELECT PREGNANT<>8 AND LACTAT<>8

DEFINE NONPREGLACT

IF PREGNANT=2 AND LACTAT=2 THEN

NONPREGLACT="YES"

ELSE

NONPREGLACT="NO"

END

FREQ NONPREGLACT

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ NONPREGLACT PSUVAR=CLUSTER

SELECT

***Percent of pregnant women***

SELECT PREGNANT<>8

FREQ PREGNANT

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ PREGNANT PSUVAR=CLUSTER

SELECT

***Percent of lactating women with an infant less than 6 months***

SELECT LACTAT=1 AND LACTATU6<>8

FREQ LACTATU6

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ LACTATU6 PSUVAR=CLUSTER

SELECT

***Percent of lactating women with an infant greater than 6 months***

SELECT LACTAT<>8

FREQ LACTATU6

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ LACTATU6 PSUVAR=CLUSTER

SELECT

***Mean age of women***

MEANS WMAGE

***MUAC in non-pregnant, non-lactating women (optional)***

DEFINE WMMUAC\_c

RECODE WMMUAC TO WMMUAC\_c

LOVALUE - [INSERT VALUE] = "LOW MUAC"

[INSERT VALUE] - HIVALUE = "NORMAL"

END

SELECT PREGNANT=2 OR PREGNANT=8

SELECT LACTAT=2 OR LACTAT=8

FREQ WMMUAC\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ WMMUAC\_c PSUVAR=CLUSTER

SELECT

***MUAC in women and lactating women with an infant less than 6 months (optional)***

DEFINE PLWMUAC

RECODE WMMUAC TO PLWMUAC

LOVALUE - [INSERT VALUE] = "LOW MUAC"

[INSERT VALUE] - HIVALUE = "NORMAL"

END

SELECT PREGNANT=1 OR LACTATU6=1

FREQ PLWMUAC

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ PLWMUAC PSUVAR=CLUSTER

SELECT

***BSFP enrolment (if applicable)***

SELECT PREGNANT=1 OR LACTATU6=1 AND WMBSFP<>8

FREQ WMBSFP

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ WMBSFP PSUVAR=CLUSTER

SELECT

1. **Module 3: Anaemia**

## **TOTAL ANAEMIA, ANAEMIA CATEGORIES AND MEAN HB ANALYSIS FOR CHILDREN AGED 6-59 MONTHS AND BY AGE GROUP ANALYSIS**

***Total Anaemia in children aged 6-59 months***

SELECT MONTHS>=6

DEFINE ANAEMIA

RECODE CHHB TO ANAEMIA

LOVALUE - 10.9 = "ANAEMIA"

11.0 - HIVALUE = "NO ANAEMIA"

END

FREQ ANAEMIA

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ANAEMIA PSUVAR=CLUSTER

SELECT

***Anaemia categories in children aged 6-59 months***

SELECT MONTHS>=6

DEFINE ANAEMIA\_c

RECODE CHHB TO ANAEMIA\_c

LOVALUE - 6.9 = "SEVERE"

7.0 - 9.9 = "MODERATE"

10.0 - 10.9 = "MILD"

11.0 - HIVALUE = "NO ANAEMIA"

END

FREQ ANAEMIA\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ANAEMIA\_c PSUVAR=CLUSTER

SELECT

***Mean haemoglobin in children aged 6-59 months***

SELECT MONTHS>=6

MEANS CHHB

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS CHHB PSUVAR=CLUSTER

SELECT

***Anaemia, anaemia categories and mean haemoglobin in children aged 6-23 and 24-59 months***

DEFINE AGEGROUP

RECODE MONTHS TO AGEGROUP

6 - 23.99 = 1

24 - 59.99 = 2

END

FREQ ANAEMIA ANAEMIA\_c STRATAVAR = AGEGROUP

MEANS CHHB STRATAVAR = AGEGROUP

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

SELECT AGEGROUP=1

FREQ ANAEMIA ANAEMIA\_c PSUVAR=CLUSTER

MEANS CHHB PSUVAR=CLUSTER

SELECT

SELECT AGEGROUP=2

FREQ ANAEMIA ANAEMIA\_c PSUVAR=CLUSTER

MEANS CHHB PSUVAR=CLUSTER

SELECT

***Moderate and severe anaemia (Hb<10 g/dL) in children aged 6-59 months***

SELECT MONTHS>=6

DEFINE HBLESS10

RECODE CHHB TO HBLESS10

LOVALUE - 9.9 = "LOW HB"

10.0 - HIVALUE = "HIGH HB"

END

FREQ HBLESS10

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HBLESS10 PSUVAR=CLUSTER

SELECT

***Moderate and severe anaemia (Hb<10 g/dL) in children aged 6-23 and 24-59 months***

FREQ HBLESS10 STRATAVAR = AGEGROUP

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

SELECT AGEGROUP=1

FREQ HBLESS10 PSUVAR=CLUSTER

SELECT

SELECT AGEGROUP=2

FREQ HBLESS10 PSUVAR=CLUSTER

SELECT

## **TOTAL ANAEMIA, ANAEMIA CATEGORIES AND MEAN HB ANALYSIS FOR WOMEN AGED 15-49 YEARS**

***Total Anaemia***

DEFINE ANAEMIA

RECODE WMHB TO ANAEMIA

LOVALUE - 11.9 = "ANAEMIA"

12.0 - HIVALUE = "NO ANAEMIA"

END

SELECT PREGNANT=2 OR PREGNANT=8

FREQ ANAEMIA

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ANAEMIA PSUVAR=CLUSTER

SELECT

***Anaemia categories***

DEFINE ANAEMIA\_c

RECODE WMHB TO ANAEMIA\_c

LOVALUE - 7.9 = "SEVERE"

8.0 - 10.9 = "MODERATE"

11.0 - 11.9 = "MILD"

12.0 - HIVALUE = "NO ANAEMIA"

END

SELECT PREGNANT=2 OR PREGNANT=8

FREQ ANAEMIA\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ANAEMIA\_c PSUVAR=CLUSTER

SELECT

***Mean haemoglobin***

SELECT PREGNANT=2 OR PREGNANT=8

MEANS WMHB

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS WMHB PSUVAR=CLUSTER

SELECT

## **ANC ENROLMENT AND IRON-FOLIC ACID PILLS COVERAGE ANALYSIS**

***ANC enrolment***

SELECT PREGNANT=1 AND ANC<>8

FREQ ANC

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ANC PSUVAR=CLUSTER

SELECT

***Iron-folic acid pills coverage***

SELECT PREGNANT=1 AND FEREC<>8

FREQ FEREC

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FEREC PSUVAR=CLUSTER

SELECT

1. **Module 4: IYCF**

## **INFANT AND YOUNG CHILD FEEDING INDICATORS ANALYSIS**

***Timely initiation of breastfeeding (0-23 months)***

DEFINE INITBF\_c

IF INITBF=1 THEN

INITBF\_c="YES"

ELSE

INITBF\_c="NO"

END

IF INITBF=8 THEN

INITBF\_c=(.)

END

IF EVERBF=1 AND INITBF= (.) THEN

INITBF\_c=(.)

END

SELECT CHCONST=1 AND MONTHS<24

FREQ INITBF\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ INITBF\_c PSUVAR=CLUSTER

SELECT

***Exclusive breastfeeding under 6 months (0-5 months)***

DEFINE EBFSUM NUMERIC

ASSIGN EBFSUM=WATER+INFORM+MILK+JUICE+BROTH+YOGURT+THINPOR+WHTEACOF+WATLQD+FOOD

DEFINE EBF TEXTINPUT

IF EBFSUM=20 AND YESTBF=1 THEN

EBF="YES"

ELSE

EBF="NO"

END

IF WATER= (.) OR INFORM= (.) OR MILK= (.) OR JUICE= (.) OR BROTH= (.) OR YOGURT= (.) OR THINPOR= (.) OR WHTEACOF= (.) OR WATLQD= (.) OR FOOD= (.) THEN

EBF=(.)

END

IF YESTBF=8 OR WATER=8 OR INFORM=8 OR MILK=8 OR JUICE=8 OR BROTH=8 OR YOGURT=8 OR THINPOR=8 OR WHTEACOF=8 OR WATLQD=8 OR FOOD=8 THEN

EBF=(.)

END

IF EVERBF=1 AND YESTBF= (.) THEN

EBF=(.)

END

SELECT CHCONST=1 AND MONTHS<6

FREQ EBF

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ EBF PSUVAR=CLUSTER

SELECT

***Predominant breastfeeding under 6 months (0-5 months)***

DEFINE PREBFSUM NUMERIC

ASSIGN PREBFSUM=INFORM+MILK+YOGURT+THINPOR+WHTEACOF+FOOD

DEFINE PREBF TEXTINPUT

IF PREBFSUM=12 AND YESTBF=1 THEN

PREBF="YES"

ELSE

PREBF="NO"

END

IF INFORM= (.) OR MILK= (.) OR YOGURT= (.) OR THINPOR= (.) OR WHTEACOF= (.) OR FOOD= (.) THEN

PREBF=(.)

END

IF YESTBF=8 OR INFORM=8 OR MILK=8 OR YOGURT=8 OR THINPOR=8 OR WHTEACOF=8 OR FOOD=8 THEN

PREBF=(.)

END

IF EVERBF=1 AND YESTBF= (.) THEN

PREBF=(.)

END

SELECT CHCONST=1 AND MONTHS<6

FREQ PREBF

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ PREBF PSUVAR=CLUSTER

SELECT

***Continued breastfeeding at 1 year (12-15 months)***

DEFINE CONTBF

IF YESTBF=1 THEN

CONTBF="YES"

ELSE

CONTBF="NO"

END

IF YESTBF=8 THEN

CONTBF=(.)

END

IF EVERBF=1 AND YESTBF= (.) THEN

CONTBF=(.)

END

SELECT CHCONST=1 AND MONTHS>=12 AND MONTHS<16

FREQ CONTBF

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ CONTBF PSUVAR=CLUSTER

SELECT

***Continued breastfeeding at 2 years (20-23 months)***

SELECT CHCONST=1 AND MONTHS>=20 AND MONTHS<24

FREQ CONTBF

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ CONTBF PSUVAR=CLUSTER

SELECT

***Introduction of solid, semi-solid or soft foods (6-8 months)***

SELECT FOOD<>8

SELECT MONTHS>=6 AND MONTHS<9

FREQ FOOD

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FOOD PSUVAR=CLUSTER

SELECT

***Consumption of iron-rich or iron-fortified foods (6-23 months)***

DEFINE FERICH

IF FLESHFD=1 OR FBF=1 OR FBFSUPER=1 OR RUTF=1 OR RUSF=1 OR LNS=1 OR INFORMFE=1 OR FOODFE=1 OR MNP=1 THEN

FERICH="YES"

ELSE

FERICH="NO"

END

IF FLESHFD= (.) OR FBF= (.) OR FBFSUPER= (.) OR RUTF= (.) OR RUSF= (.) OR LNS= (.) OR INFORMFE= (.) OR FOODFE= (.) OR MNP= (.) THEN

FERICH=(.)

END

IF FLESHFD=8 OR FBF=8 OR FBFSUPER=8 OR RUTF=8 OR RUSF=8 OR LNS=8 OR INFORMFE=8 OR FOODFE=8 OR MNP=8 THEN

FERICH=(.)

END

SELECT CHCONST=1 AND MONTHS>=6 AND MONTHS<24

FREQ FERICH

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FERICH PSUVAR=CLUSTER

SELECT

***Bottle feeding (0-23 months)***

SELECT BOTTLE<>8

SELECT MONTHS<24

FREQ BOTTLE

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ BOTTLE PSUVAR=CLUSTER

SELECT

***No breastfeeding under 6 months (0-5 months)***

DEFINE NOBF

IF EVERBF=2 OR YESTBF =2 THEN

NOBF = "YES"

ELSE

NOBF = "NO"

END

IF YESTBF=8 THEN

NOBF=(.)

END

IF EVERBF=8 THEN

NOBF=(.)

END

IF EVERBF=(.) THEN

NOBF=(.)

END

IF EVERBF=1 AND YESTBF=(.) THEN

NOBF=(.)

END

SELECT MONTHS<6 AND CHCONST=1

FREQ NOBF

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ NOBF PSUVAR=CLUSTER

SELECT

***No breastfeeding under 12 months (0-11 months)***

SELECT MONTHS <12 AND CHCONST=1

FREQ NOBF

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ NOBF PSUVAR=CLUSTER

SELECT

## **PREVALENCE OF INTAKE ANALYSIS**

***Infant formula***

SELECT INFORM<>8

SELECT MONTHS<24

FREQ INFORM

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ INFORM PSUVAR=CLUSTER

SELECT

***FBF intake***

SELECT FBF<>8

SELECT MONTHS>=6 AND MONTHS<24

FREQ FBF

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FBF PSUVAR=CLUSTER

SELECT

***FBF++ intake***

SELECT FBFSUPER<>8

SELECT MONTHS>=6 AND MONTHS<24

FREQ FBFSUPER

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FBFSUPER PSUVAR=CLUSTER

SELECT

***Special nutritional product-LNS intake***

SELECT LNS<>8

SELECT MONTHS>=6 AND MONTHS<24

FREQ LNS

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ LNS PSUVAR=CLUSTER

SELECT

***Special nutritional product-MNP intake***

SELECT MNP<>8

SELECT MONTHS>=6 AND MONTHS<24

FREQ MNP

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ MNP PSUVAR=CLUSTER

SELECT

1. **Module 5: Food Security**

***Actual number of households surveyed and % of target***

FREQ FSCONST

***Targeting categories analysis (if applicable)***

SELECT HHASSIST<>8 AND HHASSIST<>6

FREQ HHASSIST

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHASSIST PSUVAR=CLUSTER

SELECT

***Food assistance coverage analysis***

SELECT FOODASS<>8

FREQ FOODASS

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FOODASS PSUVAR=CLUSTER

SELECT

SELECT FOODASS=2 AND YNOFOODA<>8

FREQ YNOFOODA

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ YNOFOODA PSUVAR=CLUSTER

## **DURATION OF GENERAL FOOD RATION ANALYSIS (IF APPLICABLE)**

***Duration of general food ration***

SELECT GFDLAST<>98

MEANS GFDLAST

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS GFDLAST PSUVAR=CLUSTER

SELECT

***Reported duration of general food distribution by targeting categories (if applicable)***

SELECT GFDLAST<>98 AND HHASSIST<>8 AND HHASSIST<>6

MEANS GFDLAST HHASSIST

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS GFDLAST HHASSIST PSUVAR=CLUSTER

SELECT

## **CASH GRANTS ANALYSIS (IF APPLICABLE)**

***Cash grants coverage***

SELECT CASH<>8

FREQ CASH

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ CASH PSUVAR=CLUSTER

SELECT

***Description of cash utilisation***

FREQ FOOD

FREQ WATER

FREQ HYGIENE

FREQ HEALTH

FREQ HOUSE

FREQ FUELA

FREQ LIVELI

FREQ DEBTS

FREQ SAVING

FREQ EDUCA

FREQ OTHER

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FOOD PSUVAR=CLUSTER

FREQ WATER PSUVAR=CLUSTER

FREQ HYGIENE PSUVAR=CLUSTER

FREQ HEALTH PSUVAR=CLUSTER

FREQ HOUSE PSUVAR=CLUSTER

FREQ FUELA PSUVAR=CLUSTER

FREQ LIVELI PSUVAR=CLUSTER

FREQ DEBTS PSUVAR=CLUSTER

FREQ SAVING PSUVAR=CLUSTER

FREQ EDUCA PSUVAR=CLUSTER

FREQ OTHER PSUVAR=CLUSTER

## **FOOD VOUCHER ANALYSIS (IF APPLICABLE)**

***Food voucher coverage***

SELECT VOUCHER<>8

FREQ VOUCHER

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ VOUCHER PSUVAR=CLUSTER

SELECT

***Food voucher use***

SELECT VOUCHER=1 AND SELLVOU<>8

FREQ SELLVOU

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ SELLVOU PSUVAR=CLUSTER

SELECT

## **COVERAGE OF BASIC NEEDS**

***Description of basic needs not met by households***

FREQ FOODB

FREQ WATERB

FREQ HYGIENEB

FREQ HEALTHB

FREQ HOUSEB

FREQ FUELB

FREQ LIVELIB

FREQ DEBTSB

FREQ SAVINGB

FREQ EDUCAB

FREQ OTHERB

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FOODB PSUVAR=CLUSTER

FREQ WATERB PSUVAR=CLUSTER

FREQ HYGIENEB PSUVAR=CLUSTER

FREQ HEALTHB PSUVAR=CLUSTER

FREQ HOUSEB PSUVAR=CLUSTER

FREQ FUELB PSUVAR=CLUSTER

FREQ LIVELIB PSUVAR=CLUSTER

FREQ DEBTSB PSUVAR=CLUSTER

FREQ SAVINGB PSUVAR=CLUSTER

FREQ EDUCAB PSUVAR=CLUSTER

FREQ OTHERB PSUVAR=CLUSTER

***Households by categories of coverage of basic needs***

DEFINE NEEDSSUM

ASSIGN NEEDSSUM=FOODB+WATERB+HYGIENEB+HEALTHB+HOUSEB+ FUELB+LIVELIB+DEBTSB+SAVINGB+EDUCAB+OTHERB

DEFINE NEEDS\_c

RECODE NEEDSSUM TO NEEDS\_c

0 - 0 = 1

1 - 5 = 2

6 - 10 = 3

11 - 11 = 4

END

FREQ NEEDS\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ NEEDS\_c PSUVAR=CLUSTER

## **ACCESS TO COOKING FUEL (IF APPLICABLE)**

***Common fuel sources***

SELECT HHFUEL<>98

FREQ HHFUEL

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHFUEL PSUVAR=CLUSTER

SELECT

***Coverage of fuel assistance***

SELECT FUEL<>8

FREQ FUEL

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FUEL PSUVAR=CLUSTER

SELECT

***Duration of fuel assistance***

SELECT FUELLAST<>98 AND FUEL=1

MEANS FUELLAST

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS FUELLAST PSUVAR=CLUSTER

SELECT

## **NEGATIVE HOUSEHOLD COPING STRATEGIES AND RCSI**

***All negative coping strategies over the past 4 weeks***

SELECT SCHOOL<>8

FREQ SCHOOL

SELECT

SELECT SELLLIV<>8

FREQ SELLLIV

SELECT

SELECT BEG<>8

FREQ BEG

SELECT

SELECT SHELTER<>8

FREQ SHELTER

SELECT

SELECT CHILDLAB<>8

FREQ CHILDLAB

SELECT

SELECT WORKAWAY<>8

FREQ WORKAWAY

SELECT

SELECT RISKYACT<>8

FREQ RISKYACT

SELECT

SELECT RENTDEBT<>8

FREQ RENTDEBT

SELECT

SELECT LOANBRW<>8

FREQ LOANBRW

SELECT

SELECT REDUCE<>8

FREQ REDUCE

SELECT

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

SELECT SCHOOL<>8

FREQ SCHOOL PSUVAR=CLUSTER

SELECT

SELECT SELLLIV<>8

FREQ SELLLIV PSUVAR=CLUSTER

SELECT

SELECT BEG<>8

FREQ BEG PSUVAR=CLUSTER

SELECT

SELECT SHELTER<>8

FREQ SHELTER PSUVAR=CLUSTER

SELECT

SELECT CHILDLAB<>8

FREQ CHILDLAB PSUVAR=CLUSTER

SELECT

SELECT WORKAWAY<>8

FREQ WORKAWAY PSUVAR=CLUSTER

SELECT

SELECT RISKYACT<>8

FREQ RISKYACT PSUVAR=CLUSTER

SELECT

SELECT RENTDEBT<>8

FREQ RENTDEBT PSUVAR=CLUSTER

SELECT

SELECT LOANBRW<>8

FREQ LOANBRW PSUVAR=CLUSTER

SELECT

SELECT REDUCE<>8

FREQ REDUCE PSUVAR=CLUSTER

SELECT

***Households reporting using one or more of the listed coping strategies over the past 4 weeks***

DEFINE ONEMORESUM

ASSIGN ONEMORESUM=SCHOOL+SELLLIV+BEG+SHELTER+CHILDLAB+WORKAWAY+RISKYACT+RENTDEBT+ LOANBRW+REDUCE

DEFINE ONEMORE

IF ONEMORESUM=20 THEN

ONEMORE="NO"

ELSE

ONEMORE="YES"

END

IF SCHOOL= (.) OR SELLLIV= (.) OR BEG= (.) OR SHELTER= (.) OR CHILDLAB= (.) OR WORKAWAY= (.) OR RISKYACT= (.) OR RENTDEBT= (.) OR LOANBRW= (.) OR REDUCE= (.) THEN

ONEMORE= (.)

END

IF SCHOOL= 8 OR SELLLIV= 8 OR BEG= 8 OR SHELTER= 8 OR CHILDLAB= 8 OR WORKAWAY= 8 OR

RISKYACT= 8 OR RENTDEBT= 8 OR LOANBRW= 8 OR REDUCE= 8 THEN

ONEMORE= (.)

END

FREQ ONEMORE

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ ONEMORE PSUVAR=CLUSTER

***All negative coping strategies over the past 7 days***

DEFINE LESSEXP\_c

RECODE LESSEXP TO LESSEXP\_c

1 - 7 = "use of the strategy"

0 = "non-use of the strategy"

END

FREQ LESSEXP\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ LESSEXP\_c PSUVAR=CLUSTER

DEFINE BRW\_c

RECODE BRW TO BRW\_c

1 - 7 = "use of the strategy"

0 = "non-use of the strategy"

END

FREQ BRW\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ BRW\_c PSUVAR=CLUSTER

DEFINE LESSMEAL\_c

RECODE LESSMEAL TO LESSMEAL\_c

1 - 7 = "use of the strategy"

0 = "non-use of the strategy"

END

FREQ LESSMEAL\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ LESSMEAL\_c PSUVAR=CLUSTER

DEFINE REDMEAL\_c

RECODE REDMEAL TO REDMEAL\_c

1 - 7 = "use of the strategy"

0 = "non-use of the strategy"

END

FREQ REDMEAL\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ REDMEAL\_c PSUVAR=CLUSTER

DEFINE REDADULT\_c

RECODE REDADULT TO REDADULT\_c

1 - 7 = "use of the strategy"

0 = "non-use of the strategy"

END

FREQ REDADULT\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ REDADULT\_c PSUVAR=CLUSTER

***RCSI analysis***

MEANS RCSI

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS RCSI PSUVAR=CLUSTER

## **FOOD CONSUMPTION SCORE (FCS) ANALYSIS**

***Average FCS***

MEANS FCS

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS FCS PSUVAR=CLUSTER

***FCS profiles***

DEFINE FCS\_c

RECODE FCS TO FCS\_c

LOVALUE - 21.0 = "poor"

21.5 - 35.0 = "borderline"

35.5 - HIVALUE = "acceptable"

END

FREQ FCS\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FCS\_c PSUVAR=CLUSTER

***FCS by targeting categories (if applicable)***

SELECT HHASSIST<>6 AND HHASSIST<>8

MEANS FCS HHASSIST

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS FCS HHASSIST PSUVAR=CLUSTER

SELECT

## **FOOD CONSUMPTION SCORE-NUTRITION (FCS-N) ANALYSIS**

SELECT FSCONST=1

IF PULSE= (.) THEN

PULSE= 0

END

IF MILK= (.) THEN

MILK= 0

END

IF FLSHMT= (.) THEN

FLSHMT= 0

END

IF ORGMT= (.) THEN

ORGMT= 0

END

IF FISHSF= (.) THEN

FISHSF= 0

END

IF EGGS= (.) THEN

EGGS= 0

END

IF VITAV= (.) THEN

VITAV= 0

END

IF GREENV= (.) THEN

GREENV= 0

END

IF VITAFRT= (.) THEN

VITAFRT= 0

END

DEFINE FGVITA

ASSIGN FGVITA=MILK+ORGMT+EGGS+VITAV+GREENV+VITAFRT

IF MILK= (.) OR ORGMT= (.) OR EGGS= (.) OR VITAV= (.) OR GREENV= (.) OR VITAFRT= (.) THEN

FGVITA= 0

END

DEFINE FGPROT

ASSIGN FGPROT=PULSE+MILK+FLSHMT+ORGMT+FISHSF+EGGS

IF PULSE= (.) OR MILK= (.) OR FLSHMT= (.) OR ORGMT= (.) OR FISHSF= (.) OR EGGS= (.) THEN

FGPROT= 0

END

DEFINE FGHIRON

ASSIGN FGHIRON=FLSHMT+ORGMT+FISHSF

IF FLSHMT= (.) OR ORGMT= (.) OR FISHSF= (.) THEN

FGHIRON= 0

END

DEFINE FGVITA\_c

RECODE FGVITA TO FGVITA\_c

0 - 0 = "never consumed"

1 - 6 = "consumed sometimes"

7 - 42 = "consumed at least daily"

END

FREQ FGVITA\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FGVITA\_c PSUVAR=CLUSTER

DEFINE FGPROT\_c

RECODE FGPROT TO FGPROT\_c

0 - 0 = "never consumed"

1 - 6 = "consumed sometimes"

7 - 42 = "consumed at least daily"

END

FREQ FGPROT\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FGPROT\_c PSUVAR=CLUSTER

DEFINE FGHIRON\_c

RECODE FGHIRON TO FGHIRON\_c

0 - 0 = "never consumed"

1 - 6 = "consumed sometimes"

7 - 42 = "consumed at least daily"

END

FREQ FGHIRON\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FGHIRON\_c PSUVAR=CLUSTER

SELECT

## **FOOD ACQUISITION SOURCES ANALYSIS**

SELECT FOODSOU<>98

FREQ FOODSOU

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ FOODSOU PSUVAR=CLUSTER

SELECT

1. **Module 6: Mosquito Net Coverage**

***Actual number of households surveyed and % of target***

FREQ TNCONST

## **MOSQUITO NET OWNERSHIP ANALYSIS**

***Household ownership of net of any type***

SELECT MOSNETS<>8

FREQ MOSNETS

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ MOSNETS PSUVAR=CLUSTER

SELECT

***Household ownership of LLIN***

DEFINE HHLN

IF TOTLN>=1 THEN

HHLN="LN"

ELSE

HHLN="no LN"

END

IF MOSNETS=(.) THEN

HHLN=(.)

END

SELECT TNCONST=1

FREQ HHLN

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHLN PSUVAR=CLUSTER

SELECT

## **NUMBER OF NETS ANALYSIS**

***LLIN per household***

MEANS TOTLN

***Persons per LLIN***

MEANS TOTHH

MEANS TOTLN

**Hand calculation:** Total number of people in surveyed households / Total number of LLIN found in all surveyed households

## **MOSQUITO NET UTILISATION ANALYSIS**

***Total population of all ages***

MEANS TOTHH

***Proportion of total population who slept under net of any type***

MEANS TOTSLPNT

**Hand calculation:** Total number of people who slept under a net of any type / Total number of people in the surveyed households \* 100

***Proportion of total population who slept under LLIN***

MEANS TOTSLPLN

**Hand calculation:** Total number of people who slept under a LLIN / Total number of people in the surveyed households \* 100

***Total population of 0-59 months***

MEANS TOTCH

***Proportion of total 0-59 months who slept under net of any type***

MEANS TOTCHNT

**Hand calculation:** Total number of 0-59 months who slept under a net of any type / Total number of 0-59 months in the surveyed households \* 100

***Proportion of total 0-59 months who slept under LLIN***

MEANS TOTCHLN

**Hand calculation:** Total number of 0-59 months who slept under a LLIN / Total number of 0-59 months in the surveyed households \* 100

***Total population of pregnant women***

MEANS TOTPW

***Proportion of total pregnant women who slept under net of any type***

MEANS TOTPWNT

**Hand calculation:** Total number of pregnant women who slept under a net of any type / Total number of pregnant women in the surveyed households \* 100

***Proportion of total pregnant women who slept under LLIN***

MEANS TOTPWLN

**Hand calculation:** Total number of pregnant women who slept under a LLIN / Total number of pregnant women in the surveyed households \* 100

## **INDOOR RESIDUAL SPRAYING ANALYSIS (IF APPLICABLE)**

SELECT HHIRS<>8

FREQ HHIRS

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ HHIRS PSUVAR=CLUSTER

SELECT

1. **Module 7: WASH**

***Actual number of households surveyed and % of target***

FREQ WSCONST

## **WATER QUALITY ANALYSIS**

***Drinking water from protected/treated sources***

DEFINE SOURCE\_c

RECODE SOURCE TO SOURCE\_c

1 - 7 = "protected/treated"

8 - 13 = "un-protected/un-treated"

96 = "un-protected/un-treated"

END

SELECT WSCONST=1

FREQ SOURCE\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ SOURCE\_c PSUVAR=CLUSTER

SELECT

***Drinking water storage capacity***

DEFINE STORAGE\_c

RECODE STORAGE TO STORAGE\_c

LOVALUE - 9.9 = "9.9 litres or less"

10.0 - HIVALUE = "10 or over 10 litres"

END

SELECT WSCONST=1

FREQ STORAGE\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ STORAGE\_c PSUVAR=CLUSTER

SELECT

## **WATER QUANTITY ANALYSIS**

***Average # L/p/d of domestic water collected at household level, from protected/treated sources with containers of any type***

SELECT WSCONST=1

MEANS POTABLE

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS POTABLE PSUVAR=CLUSTER

SELECT

***Average # L/p/d of domestic water collected at household level, from protected/treated sources with protected container only***

SELECT WSCONST=1

MEANS POTAPROT

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

MEANS POTAPROT PSUVAR=CLUSTER

SELECT

***Water quantity (lpppd)***

DEFINE LPPPD\_c

RECODE POTAPROT TO LPPPD\_c

LOVALUE - 14.99 = "<15"

15 - 19.99 = "15-<20"

20 - HIVALUE = ">=20"

END

SELECT WSCONST=1

FREQ LPPPD\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ LPPPD\_c PSUVAR=CLUSTER

SELECT

***Access to soap***

SELECT WSCONST=1

FREQ SOAP

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ SOAP PSUVAR=CLUSTER

SELECT

***Toilet/latrine use***

DEFINE TOILET\_c

RECODE TOILET TO TOILET\_c

1 - 2 = "toilet category"

3 - 6 = "not toilet category"

8 = "not toilet category"

END

SELECT WSCONST=1

FREQ TOILET\_c

If you are analysing a cluster survey, you need to use the Complex Sample commands in the Advanced Statistics module and the code is as follows:

FREQ TOILET\_c PSUVAR=CLUSTER

SELECT