

# **SENS Version 3 - Webinar**

# **Updates on the SENS Guidelines**

(Standardized Expanded Nutrition Survey)

**Session 3**

OCTOBER 21st 2020

# Outlines

1. Background
2. Objectives of the series of webinars
3. Updates on SENS V3 - Household Modules (Session 1)
4. Updates on SENS V3 - Individual Modules (Session 2)
- 5. Updates on SENS V3 - Pre-Module, New tools, Sampling strategies, Epi Info analysis, SENS website, etc. (Session 3)**
6. Updates on SENS V3 - MDC Tools, SENS Mapper (Sessions 4-6)
7. Q&A (Session 6)

# CHILD QUESTIONNAIRE (0-59 MONTHS)

# Child Questionnaire (1/8)

- **Section CHILD1: Details of the Child 0-59 months**
  - ☐ ID # (1, 2, 3, etc.)
  - ☐ Consent (1= Yes ; 2= No)
  - ☐ Name of the child
  - ☐ Sex of the child (m= Male ; f= Female)
  - ☐ Official Age Documentation (RCH card, birth certificate, passport, other relevant documentation)
  - ☐ Birthdate (DD/MM/YYYY)
  - ☐ Age in months → **Only if no age documentation is available → estimate age using the calendar of local events**

# Child Questionnaire (2/8)

- Section CHILD2: Time of arrival in country of asylum (optional/if applicable)

CH8	Does [NAME OF CHILD] arrive to [camp name / country of asylum] before or after [INSERT THE EVENT RESPONSIBLE FOR THE INFLUX OF REFUGEES]? (OPTIONAL/IF APPLICABLE)  <b>CHARRIVE</b>	Arrived before [INSERT EVENT]..... 1 Arrived after [INSERT EVENT] (new arrival) 2 Don't know..... 8	__
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***SENS recommendation:*** : only include this indicator if the survey is being carried out in settings with recent/new influxes of refugees and there is a suspicion of different nutritional status among these new refugees

# Child Questionnaire (3/8)

- **Section CHILD3: Nutrition, Health and Anaemia Status of the Child  
6-59 months**

- ☐ Child currently present (1= Yes ; 2= No)
- ☐ Weight (**kg**) → |\_\_|\_\_| . |\_\_|
- ☐ Clothes (child dressed during weight measurement) (Y= Yes ; N= No)
- ☐ Length/Height (**cm**) → |\_\_|\_\_|\_\_| . |\_\_|
- ☐ Measure (L= Lying down ; H= Standing up)
- ☐ Bilateral Pitting Edema (Y= Yes ; N= No)
- ☐ MUAC (**cm**) → |\_\_|\_\_| . |\_\_| **Left arm**

→ If aberrant values  
(weight, height  
and/or age) or if  
SAM child

→ **New measures +  
age assessment**

# Child Questionnaire (4/8)

- Section CHILD3: Nutrition, Health and Anaemia Status of the Child  
6-59 months

CH16	<p>Is [NAME OF CHILD] currently being treated in [NAME OF NUTRITION PROGRAMMES] for malnutrition?</p> <p>SHOW COMMODITY GIVEN IN TSFP AND TFP (OTP/SC).</p> <p><b>ENROL</b></p>	<p>Yes TSFP ..... 1</p> <p>Yes TFP (OTP/SC)..... 2</p> <p>No..... 3</p> <p>Don't know..... 8</p>	<div style="text-align: right;"> _ </div>
CH17	<p>Is [NAME OF CHILD] currently enrolled in the BSFP? (IF APPLICABLE)</p> <p>SHOW COMMODITY/PACKAGING GIVEN IN BSFP.</p> <p><b>BSFP</b></p>	<p>Yes ..... 1</p> <p>No..... 2</p> <p>Don't know..... 8</p>	<div style="text-align: right;"> _ </div>



# Child Questionnaire (5/8)

- Section CHILD3: Nutrition, Health and Anaemia Status of the Child  
6-59 months

CH18	<p>Has [NAME OF CHILD] been vaccinated against measles?</p> <p>CHECK VACCINATION CARD (ONLY FOR CHILDREN OLDER THAN 9 MONTHS).</p> <p><b>MEASLES</b></p>	<p>Yes, card .....1</p> <p>Yes, recall .....2</p> <p>No or don't know .....3</p>	<p> __ </p>
CH19	<p>Has [NAME OF CHILD] received a vitamin A capsule in the past six months?</p> <p>CHECK VACCINATION/HEALTH CARD AND SHOW CAPSULE.</p> <p><b>VITA</b></p>	<p>Yes, card .....1</p> <p>Yes, recall .....2</p> <p>No or don't know .....3</p>	<p> __ </p>
CH20	<p>Was [NAME OF CHILD] given any drug for intestinal worms in the last six months? (IF APPLICABLE)</p> <p>SHOW TABLET.</p> <p><b>DEWORM</b></p>	<p>Yes.....1</p> <p>No.....2</p> <p>Don't know.....8</p>	<p> __ </p>



# Child Questionnaire (6/8)

- Section CHILD3: Nutrition, Health and Anaemia Status of the Child**  
**6-59 months**

CH21	<p>Has [NAME OF CHILD] had diarrhoea in the past 2 weeks?</p> <p>CASE DEFINITION: THREE OR MORE LOOSE OR LIQUID STOOLS DURING 24 HOURS.</p> <p><b>DIAR</b></p>	<p>Yes.....1</p> <p>No.....2</p> <p>Don't know.....8</p>	<p> __ </p> <p>IF ANSWER IS 2 OR 8 GO TO CH23</p>
CH22	<p>Did you give [INSERT LOCAL NAME FOR WHO ORS] to [NAME OF CHILD] when s/he had diarrhoea? (OPTIONAL)</p> <p>SHOW ORS SACHET.</p>	<p>Yes.....1</p> <p>No.....2</p> <p>Don't know.....8</p>	<p> __ </p>
	<b>DIARORS</b>		
CH23	<p>Did you give zinc tablets or syrup to [NAME OF CHILD] when s/he had diarrhoea? (OPTIONAL)</p> <p>SHOW ZINC TABLET OR SYRUP.</p> <p><b>DIARZINC</b></p>	<p>Yes.....1</p> <p>No.....2</p> <p>Don't know.....8</p>	<p> __ </p>

# Child Questionnaire (7/8)

- Section CHILD3: Nutrition, Health and Anaemia Status of the Child  
6-59 months

CH24	Units of measurement of your HemoCue device (g/dL or g/L) (IF APPLICABLE)	g/dL ..... gdl g/L ..... gl	_ _ _ _
	<b>HBUNIT</b>		
CH25	[NAME OF CHILD]'s haemoglobin (Hb) in g/dL ( $\pm 0.1$ g/dL) or in g/L ( $\pm 1$ g/L)  APPLICABLE ONLY IF HB MEASURED IN G/DL: DON'T FORGET THE DECIMAL.  Lower limit=2.0g/dL Upper limit=22.0g/dL		_ _ _ .  _ _ g/dL  OR   _ _ _ _ g/L
	<b>CHHB</b>		

# Child Questionnaire (8/8)

- Automatic Referral

CH26	<p><b>Automatic referral for child with signs of acute malnutrition who is not already enrolled in a nutrition programme:</b></p> <ul style="list-style-type: none"><li>• Child needs to be referred for moderate acute malnutrition (if MUAC&lt;125mm and MUAC≥115 mm and/or WHZ&lt;-2 and WHZ≥-3 and if ENROL equals to 3 or 8).</li><li>• Child needs to be referred for severe acute malnutrition (if MUAC&lt;115mm and/or WHZ&lt;-3 and/or bilateral pitting oedema is yes and if ENROL equals to 3 or 8).</li></ul> <p>FILL OUT A REFERRAL FORM: ONE SLIP IS FOR THE MOTHER/CAREGIVER AND THE OTHER IS FOR THE HEALTH FACILITY.</p> <p><b>REFMAM/REFSAM</b></p>
CH27	<p><b>Automatic referral for child who has severe anaemia:</b></p> <ul style="list-style-type: none"><li>• Child needs to be referred for severe anaemia (if Hb&lt;7.0g/dL).</li></ul> <p>FILL OUT A REFERRAL FORM: ONE SLIP IS FOR THE MOTHER/CAREGIVER AND THE OTHER IS FOR THE HEALTH FACILITY.</p> <p><b>REFANEM</b></p>

**SECTION IYCF1: Breastfeeding Status of the Child 0-23 months (part 1)**

# **WOMAN QUESTIONNAIRE (15-49 YEARS)**

# Woman Questionnaire (1/5)

- Section WM1: Details of the Woman 15-49 years**

WM1	ID Number		_
	<b>WMID</b>		
WM2	Was consent given for conducting the interview and the measurements?	Yes.....1 No .....2 Absent.....3	_  IF ANSWER IS 2 OR 3 STOP HERE
	ENSURE THAT YOU HAVE INTRODUCED THE TEAM AND INFORMED THEM ABOUT		
	THE INTERVIEW AND THE MEASUREMENTS.		
	<b>WMCONST</b>		
WM3	Name of the woman	_____	
	ONLY WRITE FIRST NAME.		
	<b>WMNAME</b>		
WM4	Age of [NAME OF WOMAN] in years		_ _ years
	ONLY WOMEN BETWEEN 15 AND 49 ARE BEING INTERVIEWED.		
	Lower limit=15 years Upper limit=49 years		
	<b>WMAGE</b>		

# Woman Questionnaire (2/5)

- Section WM2: Anthropometry, Physiological and Anaemia Status of the Woman 15-49 years

WM5	Are you pregnant?  <b>PREGNANT</b>	Yes.....1 No .....2 Don't know .....8	<div style="text-align: right;"> __ </div> IF ANSWER IS 2 OR 8 GO TO WM8
WM6	Are you currently <u>enrolled</u> in the ANC programme?  <b>ANC</b>	Yes.....1 No .....2 Don't know .....8	<div style="text-align: right;"> __ </div>
WM7	Are you currently <u>receiving</u> iron-folate pills?  SHOW PILL.  <b>FEREC</b>	Yes.....1 No .....2 Don't know .....8	<div style="text-align: right;"> __ </div>

# Woman Questionnaire (3/5)

- Section WM2: Anthropometry, Physiological and Anaemia Status of the Woman 15-49 years

WM8	Are you currently breastfeeding? (OPTIONAL)  <b>LACTAT</b>	Yes.....1 No .....2 Don't know .....8	__   IF ANSWER IS 2 OR 8 GO TO WM10
WM9	Is the child you are breastfeeding younger than 6 months old? (OPTIONAL)  <b>LACTATU6</b>	Yes.....1 No .....2 Don't know .....8	__
WM10	Are you currently enrolled in the BSFP? (IF APPLICABLE)  SHOW COMMODITY/PACKAGING GIVEN IN BSFP.	Yes.....1 No .....2 Don't know .....8	__
<b>WMBSFP</b>			

# Woman Questionnaire (4/5)

- Section WM2: Anthropometry, Physiological and Anaemia Status of the Woman 15-49 years

WM11	<p>[NAME OF WOMAN]'s MUAC in mm (<math>\pm 1</math>mm) or cm (<math>\pm 0.1</math>cm) (OPTIONAL)</p> <p>MEASURE LEFT ARM. APPLICABLE ONLY IF MUAC MEASURED IN CM: DON'T FORGET THE DECIMAL.</p> <p><b>Lower limit=160 mm</b> <b>Upper limit=500 mm</b></p> <p><b>WMMUAC</b></p>		<p> _ _ _  mm</p> <p>OR</p> <p> _ _ . _ _  cm</p>
WM12	<p>Units of measurement of your HemoCue device (g/dL or g/L) (IF APPLICABLE)</p> <p><b>WMHBUNIT</b></p>	<p>g/dL.....gdl</p> <p>g/L.....gl</p>	<p> _ </p>
WM13	<p>[NAME OF WOMAN]'s haemoglobin in g/dL (<math>\pm 0.1</math> g/dL) or in g/L (<math>\pm 1</math>g/L)</p> <p>APPLICABLE ONLY IF HB MEASURED IN G/DL: DON'T FORGET THE DECIMAL.</p> <p><b>Lower limit=2.0g/gL</b> <b>Upper limit=22.0g/dL</b></p> <p><b>WMHB</b></p>		<p> _ _ . _ _  g/dL</p> <p>OR</p> <p> _ _ _  g/L</p>



# Woman Questionnaire (5/5)

- Automatic Referral

WM14	<p><b>Automatic referral for woman with signs of acute malnutrition:</b></p> <ul style="list-style-type: none"><li>Woman needs to be referred for acute malnutrition (if MUAC&lt; [INSERT VALUE] mm) (TO BE INCLUDED ONLY IF MUAC IS MEASURED).</li></ul> <p>FILL OUT A REFERRAL FORM: ONE SLIP IS FOR THE WOMAN AND THE OTHER IS FOR THE HEALTH FACILITY.</p> <p><b>WMREFMAL</b></p>
WM15	<p><b>Automatic referral for woman who has severe anaemia:</b></p> <ul style="list-style-type: none"><li>Woman needs to be referred for severe anaemia (if Hb&lt;8.0g/dL).</li></ul> <p>FILL OUT A REFERRAL FORM: ONE SLIP IS FOR THE WOMAN AND THE OTHER IS FOR THE HEALTH FACILITY.</p> <p><b>WMREFAN</b></p>

# PRE-MODULE: SURVEY STEPS AND SAMPLING

UNHCR  
STANDARDISED EXPANDED  
NUTRITION SURVEY (SENS) GUIDELINES  
FOR REFUGEE POPULATIONS

## PRE-MODULE: SURVEY STEPS AND SAMPLING

Module 1: Demography  
Module 2: Anthropometry and Health  
Module 3: Anaemia  
Module 4: Infant and Young Child Feeding (IYCF)  
Module 5: Food Security  
Module 6: Mosquito Net Coverage  
Module 7: Water, Sanitation and Hygiene (WASH)

A PRACTICAL STEP-BY-STEP GUIDE

VERSION 3 (2018)



# Pre-Module: Survey steps and sampling

- Quick reference guide, focusing on the practical steps for conducting a SENS survey
- Mostly based on **SMART**, partly expanded to the need of SENS
- Survey design and sampling based on **SMART**
  - Derived from expected GAM and calculated in ENA for SMART
  - Number of HHs needed for GAM is the number of HHs included in survey
- Include practical tips countries need support on
  - Timing and planning of nutrition survey
  - Budget
  - Ordering Equipment, MDC Equipment
  - Training
  - Data review and data analysis
  - Etc.

# Definition of HH and UNHCR ProGres

- **UNHCR ProGres (v4)**
  - UNHCR's registration database for refugee population data
  - **Registration Group: “A Registration Group is one or more individuals who are registered together”.**  
E.g. a family or a household registered together for assistance purposes.
  - **Case: A case is used to record and track information about individuals undergoing various processes. Depending on the process, a case can be composed of one or more individuals. Case membership is independent from Registration Group membership.**  
E.g. a resettlement case

# Definition of HH and UNHCR ProGres

- No universal definition of a HH to be used in a nutrition and health survey
- Classic definition: ***“A group of people who live together and routinely eat out of the same pot”***
- **Pre-module SENS:**  
If accurate and updated population lists are available from ProGres  
→ **Use the Registration Group as a proxy for household.**
- Case should not be used for sampling.

# Definition of HH and UNHCR ProGres

- Sampling using the Registration Group:
- Individual-Based Modules (Modules 2, 3 and 4)
  - Include only the children and women from the households belonging to Registration Group that was randomly selected from the ProGres list
- Household-Based Modules (Modules 1, 5, 6 and 7)
  - Include all household members who live together and routinely eat out of the same pot

# Definition of HH and UNHCR ProGres

- **Why should different definitions for individual and HH modules be used?**
  - **To minimise the risk of major oversampling of children and women in the survey**
  - **If the classic definition is used for the individual modules and thus includes more than one Registration Group this will be very different from the **data used to calculate the initial sample size for children and women** (higher)**
  - **HH modules**
    - Information about how people actually live together and share their resources
    - Use of the **classic definition to better reflect reality**

# Sampling Guidance

- **HH sample size required** for collecting the data from the different standard modules:
- **HH-based modules**
  - **Module 1 – Demography:** With any survey design, assess **all sampled households**
  - **Module 5 – Food Security:** With any survey design, **half of the households** (sub-sample) should be randomly sampled
  - **Module 6 – Mosquito Net Coverage:** With any survey design, **half of the households** (sub-sample) should be randomly sampled
  - **Module 7 – WASH:** With any survey design, **half of the households** (sub-sample) should be randomly sampled



# Sampling Guidance

- Individual-based modules

## 1- Children 0-59 months

- **Module 2 – Anthropometry and Health (6-59 months):** With any survey design, assess **all eligible children within all of the sampled households**
- **Module 4 – IYCF (0-23 months):** With any survey design, assess **all eligible children within all of the sampled households**
- **Module 3 – Anaemia (6-59 months):** Select one of the scenarios based on the survey design and the number of children aged 6-59 months calculated with ENA for SMART software

# Sampling Guidance

- **Sample size requirements for SENS Anaemia assessment in children aged 6-59 months**

Survey design	Children anaemia scenario	Module 2 (Anthropometry and Health) sample size children 6-59 months (calculated using ENA for SMART software)	Module 3 (Anaemia) sample size children 6-59 months
Cluster sampling	1	≤600 children	Assess all eligible children found in all randomly selected households for anaemia.
	2	>600 children	Half of the sampled households (sub-sample) should be randomly selected and all eligible children found in these households should be assessed for anaemia.
Simple or systematic random sampling	3	≤400 children	Assess all eligible children found in all randomly selected households for anaemia.
	4	>400 children	Half of the sampled households (sub-sample) should be randomly selected and all eligible children found in these households should be assessed for anaemia.

# Sampling Guidance

- Individual-based modules

## 2- Women 15-49 years

- **Module 2 – Anthropometry and Health:** Same sampling method that for **Module 3 Women Anaemia**
- **Module 3 – Anaemia:**
- *Women anaemia scenario 1: You need to measure the prevalence of anaemia in women of reproductive age (15-49 years) for surveillance purposes but you do not need to assess the impact of an intervention and are **not planning to intervene** with a direct anaemia intervention (e.g. blanket iron supplementation to all women) in the immediate future:*
  - With any survey design, **half of the sampled households (sub-sample)** should be randomly selected and all eligible women found in these households should be assessed for anaemia.
- *Women anaemia scenario 2: You are **planning to implement/have been implementing** a direct intervention (e.g. blanket iron supplementation to all women) to reduce anaemia in women of reproductive age (15-49 years) and you need to assess the baseline prevalence and impact of the intervention:*
  - With any survey design, follow the **same sampling scenario used in children for anaemia assessment**

# Exhaustive survey

- An exhaustive survey should be conducted when the following conditions are met:
  - The total size of surveyed population is  $< \sim 2,500$  people (or  $< \sim 600$  HHs)
  - All HHs within the survey area (e.g. camp, settlements or surrounding villages) can be surveyed
  - Follow the same recommendations for sub-sampling

# Ethical Considerations

- **Informed consent**
  - Purpose of the survey, how the person was selected to participate and how the results will be used in terms that the survey participant can understand
  - Explanation about the right to refuse to participate
  - Explanation of the procedure and risk involved (fears about taking blood)
  - Explanation about confidentiality
- **Consent for the use of MDC methods NEW**
  - Authorization to use a smartphone or tablet to record data
- **Consent for the use of GPS (optional) NEW**
  - GPS coordinates are recorded during the administration of the questionnaires at individual level (children and women)
  - GPS coordinates are recorded during the administration of the questionnaires at HH level (FS, mosquito net coverage and WASH)
  - An authorization of GPS coordinates of the HH will be requested at the end of the demography questionnaire

# Ethical Considerations

- **Consent for the use of MDC methods** **NEW**
  - Authorization to use a smartphone or tablet to record data

DM1A	<p>Was consent given for conducting the interview?</p> <p>ENSURE THAT YOU HAVE INTRODUCED THE TEAM AND INFORMED THEM ABOUT THE INTERVIEW.</p> <p><b>DMCONST</b></p>	<p>Yes ..... 1</p> <p>No ..... 2</p> <p>Absent ..... 3</p>	<p> __ </p> <p>IF ANSWER IS 2 or 3 STOP HERE</p>
DM1B	<p>Was consent given for conducting the interview using Mobile Data Collection (use of smartphone or tablet)?</p> <p>ENSURE THAT YOU HAVE INTRODUCED THE TEAM AND INFORMED THEM ABOUT THE INTERVIEW.</p> <p><b>MDCCONST</b></p>	<p>Yes ..... 1</p> <p>No ..... 2</p> <p>Absent ..... 3</p>	<p> __ </p> <p>IF ANSWER IS 2 or 3 STOP HERE</p>

# Ethical Considerations

- **Consent for the use of GPS (optional) NEW**

DM15	Was consent given for taking the GPS coordinates of the household? (OPTIONAL)  <b>GPSCONST</b>	Yes ..... 1 No ..... 2	__
ID9	Please take a GPS reading (OPTIONAL)  AVOID TAKING IT INSIDE THE HOUSE OR UNDER TREES (TO MAKE IT FASTER).  <b>GPS</b>	_____	

# Ethical Considerations

- **Automatic referral of malnourished and anaemia children and women**  
**NEW**
- All children with signs of **acute malnutrition (SAM & MAM)** will be given referral form to go to the nutrition programmes
  - **Based on WHZ-score, MUAC and edema**
  - **Length/Height**
- All women (pregnant or lactating) with signs of **acute malnutrition (MUAC)** will be given referral form to go to the nutrition programmes
- All children and women with signs of **severe anaemia** will be given referral form to go to the nearest health facility
  - **Child Hb <7.0 g/dL**
  - **Woman Hb <8.0 g/dL**



# Public Health Significance Classification Cut-offs and Targets for Key SENS Indicators (1/3)

Indicator Name	Classification of public health significance	Target
Children 6-59 months		
Global Acute Malnutrition (GAM)	Very high/critical if $\geq 15\%$ (WHO-UNICEF Classification, 2018)	UNHCR Target of $<10\%$
Severe Acute Malnutrition (SAM)		UNHCR Target of $<2\%$
Total Underweight	Critical if $\geq 30\%$ (WHO classification)	
Total Stunting	Very high/critical if $\geq 30\%$ (WHO-UNICEF Classification, 2018)	
Total overweight	Very high/critical if $\geq 15\%$ (WHO-UNICEF Classification, 2018)	
Measles vaccination (9-59 months)		Target of $\geq 95\%$
Vitamin A supplementation within past 6 months		Target of $\geq 90\%$
Supplementary feeding programme (TSFP) enrolment		Target of $\geq 90\%$
Therapeutic feeding programme (OTP/SC) enrolment		Target of $\geq 90\%$
Total Anaemia (Hb $<11$ g/dl)	High if $\geq 40\%$ (WHO Classification)	UNHCR Target of $<20\%$

# Public Health Significance Classification Cut-offs and Targets for Key SENS Indicators (2/3)

Children 0-23 months		
Timely initiation of breastfeeding		UNHCR Target of $\geq 85\%$
Exclusive breastfeeding under 6 months		UNHCR Target of $\geq 75\%$
Predominant breastfeeding under 6 months		UNHCR Target of $\geq 90\%$
Continued breastfeeding at 1 year		UNHCR Target of $\geq 90\%$
Continued breastfeeding at 2 years		UNHCR Target of $\geq 60\%$
Introduction of solid, semi-solid or soft foods		UNHCR Target of $\geq 60\%$
Consumption of iron-rich or iron-fortified foods		UNHCR Target of $\geq 60\%$
Bottle feeding		UNHCR Target of $< 5\%$
Non-breastfed children under 6 months		UNHCR Target $< 2\%$
Non-breastfed children under 12 months		UNHCR Target $< 5\%$
Indicator Name	Classification of public health significance	Target
Women 15-49 years		
Total Anaemia (Hb $< 12$ g/dl)	High if $\geq 40\%$ (WHO Classification)	UNHCR Target of $< 20\%$

# Public Health Significance Classification Cut-offs and Targets for Key SENS Indicators (3/3)

Total population		
Proportion of total households owning at least one LLIN		Target of >80%
Average number of persons per LLIN		2 persons per LLIN
Average liters per person per day of domestic water collected from protected/treated sources at household level (average on persons surveyed)		Emergency: $\geq 15$ litres
		Post-emergency: $\geq 20$ litres
% households with at least 10 L/p potable/ drinking water storage capacity		Emergency: $\geq 70\%$
		Post-emergency: $\geq 80\%$
% households collecting drinking/potable water from protected/treated sources		Emergency: $\geq 70\%$
		Post-emergency: $\geq 95\%$
% households reporting defecating in a toilet/ latrine		Emergency: $\geq 60\%$
		Post-emergency: $\geq 85\%$
% households with access to soap		Emergency: $\geq 70\%$
		Post-emergency: $\geq 90\%$

# ADDENDUM OUT-OF-CAMP SETTINGS

UNHCR  
STANDARDISED EXPANDED  
NUTRITION SURVEY (SENS) GUIDELINES  
FOR REFUGEE POPULATIONS

ADDENDUM  
FOR OUT-OF-CAMP SETTINGS

A PRACTICAL STEP-BY-STEP GUIDE  
VERSION 3 (2018)



# Refugees or mixed populations living in Out-of-Camp Settings

- Refer to **UNHCR SENS Addendum for out-of-camp settings**
- Guidelines published in January 2015 and updated in 2019
  - How to define, locate and sample the refugee population in urban and rural areas
  - How to adapt the questionnaire to suit the urban and other out-of-camp settings
  - The addendum was developed based on experiences in Yemen

# NEW TOOLS SENS VERSION 3

# New Tools SENS Version 3 (1/3)

- **Update and improvement of existing tools (Pre-Module)**
  - **Tool 1:** Survey Budget
  - **Tool 2:** Survey consultant ToR
  - **Tool 3:** List of SENS Objectives
  - **Tool 4:** List of SENS Indicators
  - **Tool 7:** Sampling Decision Tree
  - **Tool 8:** Data Collection Control Sheet
  - **Tool 9:** Standard SENS protocol
  - **Tool 10:** Survey Supplies Planning Sheet
  - **Tool 11:** Full SENS Questionnaire
  - **Tool 12a:** Full SENS Questionnaire with instructions
  - **Tool 12b:** Full SENS Questionnaire + Mortality with instructions
  - **Tool 13:** Survey team job description
  - **Tool 14:** Participants and Measure Control Sheet

# New Tools SENS Version 3 (2/3)

- **Update and improvement of existing tools (Pre-Module)**
  - **Tool 16:** Data Analysis Tips
  - **Tool 17a:** Trends and Graphs – One camp
  - **Tool 19:** Final SENS Report Dollo Ado 2017 (final report - ENG)
  - **Tool 20a:** Final SENS Report Jordan 2016 (final report - ENG)
  - **Tool 20b:** Final SENS Report Burundi 2017 (final report - FRA)
  - **Tool 21:** Weighting Data tool (weighted means added)
  - **Tool 22a:** Preliminary SENS Report template – one camp
  - **Tool 23a:** Full SENS Report template – one camp
  - **Tool 24a:** Preliminary SENS Report Malawi 2016 (ENG)
  - **Tool 24b:** Preliminary SENS Report Niger 2016 (FRA)
  - **Tool 25:** SENS Report Checklist



# New Tools SENS Version 3 (3/3)

- **Addition of new tools (Pre-Module)**
  - **Tool 5:** Information letter (sensitization letter examples)
  - **Tool 6:** SENS survey timeline
  - **Tool 15:** SOPs SENS Data Management
  - **Tool 17b:** Trends and Graphs – Multiple camps
  - **Tool 22b:** Preliminary SENS Report template – multiple camps
  - **Tool 23b:** Full SENS Report template – multiple camps
  - **Tool 26a:** Preliminary SENS Presentation Jordan 2016 (ENG)
  - **Tool 26b:** Preliminary SENS Presentation Burundi 2017 (FRA)
- Update and improvement of existing tools in Modules #2 and #3
- Update and improvement of MDC tools
- All tools are available in English and in French

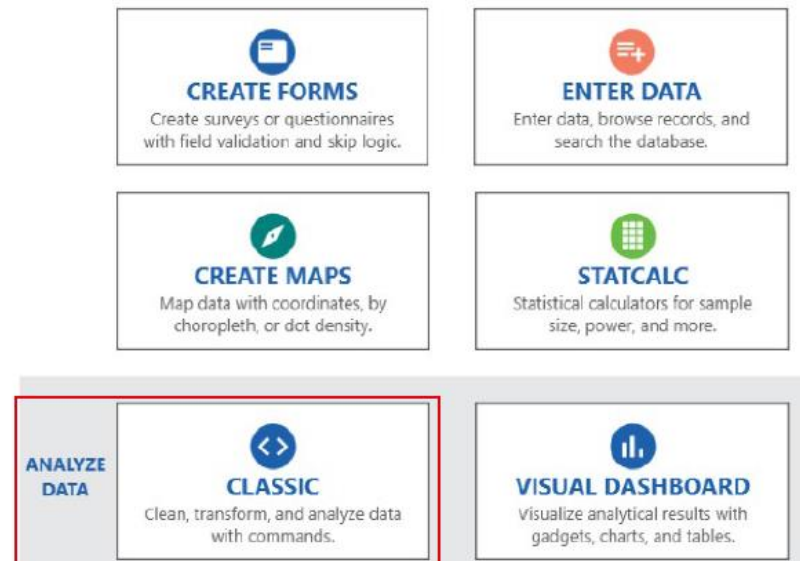
# DATA ANALYSIS

# Recommended Software

- **ENA for SMART** (version January 11<sup>th</sup>, 2020) and **Epi Info 7** (version 7.2.4)
  - Freely available from internet
    - <https://smartmethodology.org/survey-planning-tools/smart-emergency-nutrition-assessment/>
    - <https://www.cdc.gov/epiinfo/index.html>
  - Most commonly used software in nutrition surveys by different actors
  - Good guidance material on their use is freely available
  - Allow for data analysis and take into account the complex design of cluster surveys for analysis

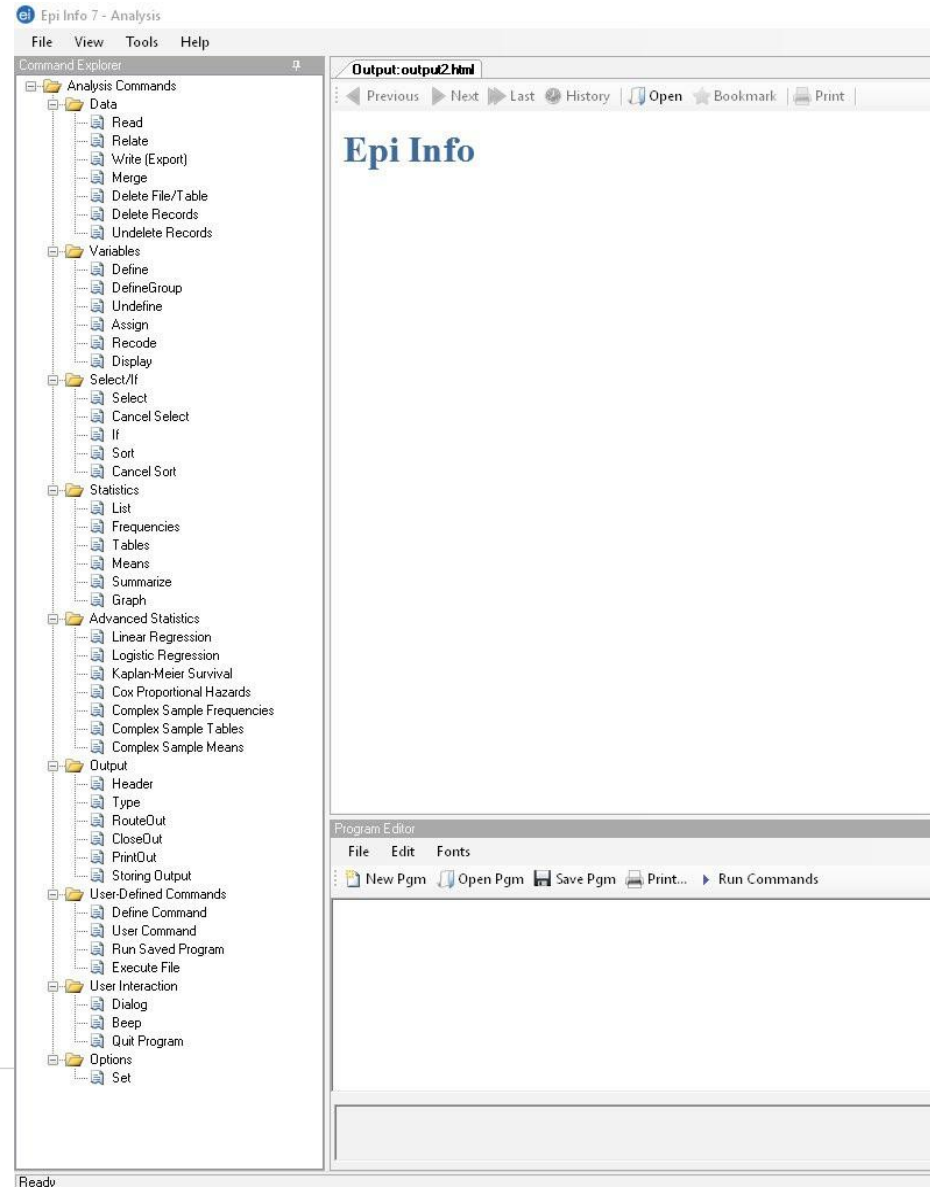
# Guidance on key Epi Info commands

- Free guidance on the use of Epi Info and training material on Epi Info can be found at the following site: <https://www.cdc.gov/epiinfo/index.html>
- Standard analysis guidance ready to use for each module
- **Analyze Data module** in Epi Info 7 is used to analyse the survey data from each SENS module

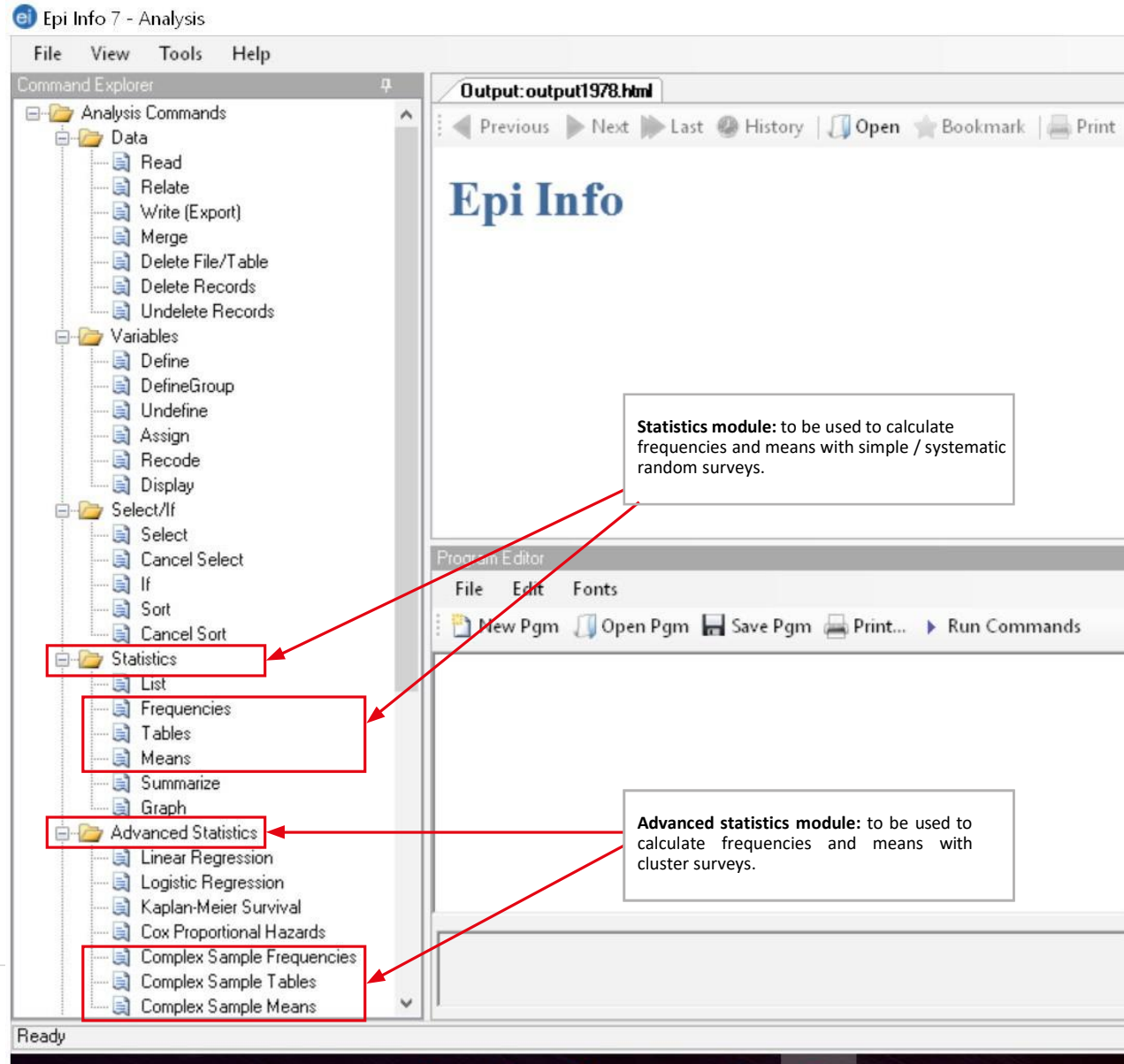


# Guidance on key Epi Info commands

- The following analysis commands are needed to analyse a SENS Survey:
  1. Read (Import)
  2. Write (Export)
  3. Define
  4. Assign
  5. Recode
  6. Select
  7. Cancel Select
  8. If
  9. Frequencies (with simple random sampling surveys)
  10. Means (with simple random sampling surveys)
  11. Complex Sample Frequencies (with cluster surveys)
  12. Complex Sample Means (with cluster surveys)



# Guidance on key Epi Info commands



# Guidance on key Epi Info commands

- Examples of PGM codes and Epi Info outputs / results when using **simple / systematic random sampling** and the **Statistics module**

Main results (proportions) are shown here.

FREQ VITA

VITA	Frequency	Percent	Cum. Percent	
1	339	41.65%	41.65%	
2	341	41.89%	83.54%	
3	134	16.46%	100.00%	
Total	814	100.00%	100.00%	

Wilson 95% Conf Limits

1	38.31%	45.06%	
2	38.55%	45.31%	Confidence intervals are shown here.
3	14.07%	19.17%	

MEANS CHHB

Obs	Total	Mean	Variance	Std Dev
502.0000	5635.0000	11.2251	1.7512	1.3233
Minimum	25%	Median	75%	Maximum
7.4000	10.4000	11.3000	12.1000	15.4000
				Mode
				11.3000

# Guidance on key Epi Info commands

- Examples of PGM codes and Epi Info outputs / results when using **cluster sampling** and the **Advanced Statistics module**

FREQ VITA PSUVAR=CLUSTER

VITA	TOTAL
1	339
Row %	100.000
Col %	41.646
SE %	6.201
LCL %	29.043
UCL %	54.249
2	341
Row %	100.000
Col %	41.892
SE %	5.518
LCL %	30.678
UCL %	53.106
3	134
Row %	100.000
Col %	16.462
SE %	5.148
LCL %	5.999
UCL %	26.925
TOTAL	814
Design Effect	12.866

Main results (proportions) are shown here (Col %). Please note that they are the same as shown above when analysing a simple or systematic random survey.

Confidence intervals are shown here for each category of results (LCL stands for Lower Confidence Limit and UCL stands for Upper Confidence Limit). Please note that they are wider than shown above when analysing a simple or systematic random survey.



# Guidance on key Epi Info commands

- Examples of PGM codes and Epi Info outputs / results when using **cluster sampling** and the **Advanced Statistics module**

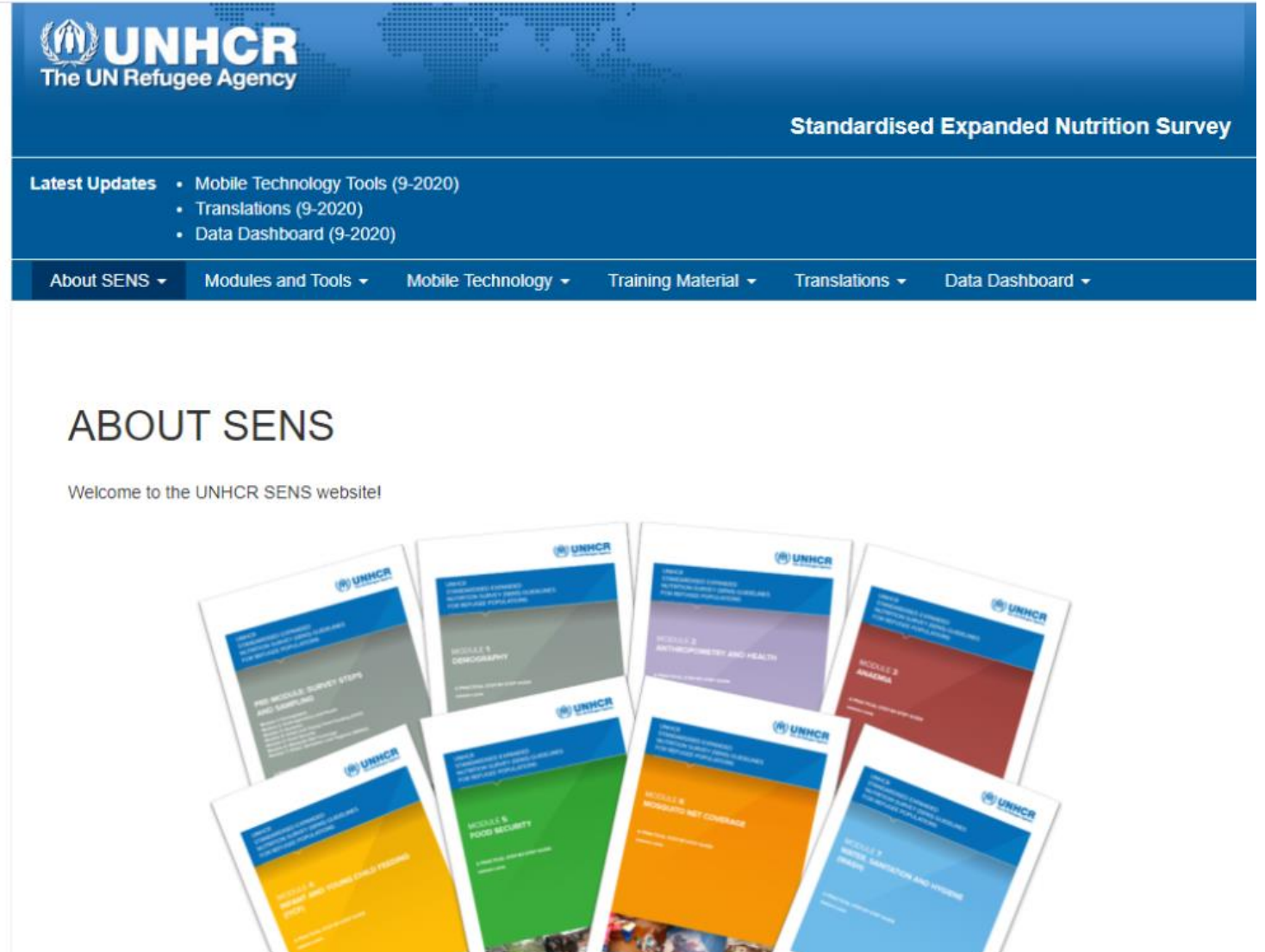
MEANS CHHB PSUVAR=CLUSTER

	CHHB						
	Count	Mean	Std Error	Confidence Limits		Minimum	Maximum
				Lower	Upper		
TOTAL	502	11.225	0.062	11.098	11.352	7.400	15.400

# NEW SENS WEBSITE

# SENS Website

- **SENS Website**
  - <http://sens.unhcr.org/>
- Modules and Tools (ENG and FRA)
- MDC Tools (ENG and FRA)
- Standardization Test using MDC
- Training material
- Translations
- Data Dashboard



# NEXT SESSION

# Webinars Agenda

- **Session 1 → Household modules** (Module 1- Demography ; Module 5- Food Security ; Module 6- Mosquito Net Coverage ; Module 7- WASH)
- **Session 2 → Individual modules** (Module 2- Anthropometry and Health ; Module 3- Anaemia ; Module 4- IYCF)
- **Session 3 →** Pre-Module, New tools, Sampling strategies, Epi Info analysis, SENS website, etc.
- **Session 4 → MDC Tools** (Update changes on SENS v3 in questionnaires)
- **Session 5 → MDC Tools** (Comparison and choice between different tools (ODK, KOBO, Aggregate, Raspberry Pi))
- **Session 6 → MDC Tools** (ODK set-up, SENS Mapper) and **Q&A**

# **SENS Version 3 - Webinar**

# **Updates on the SENS Guidelines**

(Standardized Expanded Nutrition Survey)

**Session 4**

OCTOBER 28th 2020

**THANK YOU FOR  
LISTENING!**