

# Standardized Expanded Nutrition Survey 2012

**UN Refugee Agency (UNHCR)**

report\_generated\_on: November 29, 2022

visit\_data\_catalog\_at: <https://microdata.worldbank.org/index.php>

## Identification

### SURVEY ID NUMBER

LBR\_2012\_SENS\_v01\_M

### TITLE

Standardized Expanded Nutrition Survey 2012

### SUBTITLE

Refugee Camps: Bahn, Dougee, Solo, PTP and Little Wlebo

### COUNTRY/ECONOMY

Name	Country code
Liberia	LBR

### STUDY TYPE

Other Household Survey [hh/oth]

### ABSTRACT

The UNHCR Standardized Expanded Nutrition Surveys (SENS) provide regular nutrition data that play a key role in delivering effective and timely interventions to ensure good nutritional outcomes among populations affected by forced displacement. This survey was conducted in October 2012 in Liberia in three counties (Maryland, Grand Gedeh, and Nimba) and in five refugee camp (Little Wlebo in Maryland; Solo, PTP, and Dougee in Grand Gedeh; and in Bahn camp in Nimba) hosting refugees from Côte d'Ivoire. It was organized by UNHCR and World Food Programme (WFP) in close collaboration with implementing partners, operational partners, and the Ministry of Health and Social Welfare (MoHSW) of the Republic of Liberia. This was the first of three SENS surveys that took place. Subsequent surveys took place in 2013 and 2015.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

Children 0-23 months

Children 6-59 months

Women 15-49 years

## Version

### VERSION DESCRIPTION

Version 01: Edited, anonymous dataset for licensed distribution.

### VERSION DATE

2021-06-11

## Scope

### NOTES

The SENS covered the following topics:

- Children 0-23 months: feeding practices
- Children 6-59 months: prevalence of acute malnutrition, underweight, stunting and anaemia, coverage of vit A supplementation, and prevalence of diarrhea
- Children 9-59 months: coverage of measles vaccination
- Women 15-49 years: prevalence of anaemia

### TOPICS

Topic
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Health and Nutrition
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Health
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## KEYWORDS

<b>Keyword</b>
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SENS
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malnutrition
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nutrition
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## Coverage

## GEOGRAPHIC COVERAGE

Maryland county (Little Wlebo refugee camp), Grand Gedeh county (Solo, PTP and Dougee refugee camps), and Nimba county (Bahn refugee camp)

## UNIVERSE

children 0-59 months

women 15-49 years

## Producers and sponsors

## PRIMARY INVESTIGATORS

Name	Affiliation
UN Refugee Agency (UNHCR)	UN

## Sampling

## SAMPLING PROCEDURE

Based on the UNHCR SENS guidelines for refugee populations (v1.3) and the Standardized Monitoring and Assessment of Relief and Transitions (SMART) methodology (v1), a systematic sampling technique without list was used. Five camps were merged and sample was drawn from each camp based on weighted population.

From the weekly and monthly reports from the camps, the prevalence of acute malnutrition was below 10% and thus, this was regarded as expected prevalence during sample size calculation by ENA for SMART software. The desired precision was 2.5, under five children 21%, average household 4.1 and non-response rate was estimated at 10%.

According to UNHCR data the population of children aged below five year in the camp was below 10,000, therefore correction for small population of 26,800 residing in refugee camps was applied. Through ENA for SMART software, a total of 715 households had to be visited to obtain around 510 children aged 6 - 59 children for anthropometry and health assessment.

For assessment of anaemia among children aged 6 - 59 months and women aged 15 - 49 years a sub-sample was targeted consisting of all eligible children and women in every second household visited.

## DEVIATIONS FROM THE SAMPLE DESIGN

During the survey, the sample size was adjusted in Little Wlebo and Bahn camps due to the fact that the non-response rate was higher than estimated.

## WEIGHTING

self-weighted

## data\_collection

### DATES OF DATA COLLECTION

Start	End
2012-10-10	2012-10-30

### DATA COLLECTION MODE

Face-to-face [f2f]

### DATA COLLECTION NOTES

A three days central training of trainers (ToT) (key staff from IPs/OPs) was conducted at Zwedru in Grand Gedeh County from 4-6 October 2012 followed by rollout training to enumerators in respective camps; BO-M Nutritionist and UNHCR HQ Nutritionist facilitated the ToT. The ToT focused on various elements of the nutrition survey including the roles of supervisors and important quality related errors to be checked during the survey, in addition to sessions on how to facilitate the camp-level training. After the training the participants returned to their respective camps where they facilitated training of enumerators. All supervisors were qualified health workers. In total 12 supervisors were trained and supervised the teams during data collection.

### DATA COLLECTORS

Name	Abbreviation
United Nations High Commissioner for Refugees	UNHCR
World Food Programme	WFP
Africa Humanitarian Action	AHA
International Rescue Committee	IRC
Medical Emergency Relief International	MERLIN
Mercy Corps	

## Access policy

### CONTACTS

Name	Affiliation	Email
Curation Team	UNHCR	microdata@unhcr.org

### CITATION REQUIREMENTS

UNHCR (2021). Liberia: Standardized Expanded Nutrition Survey microdata, 2012. Accessed from: <https://microdata.unhcr.org>.

### ACCESS AUTHORITY

Name	Affiliation	Email
UN Refugee Agency	UN	microdata@unhcr.org

## Metadata production

### DDI DOCUMENT ID

DDI\_LBR\_2012\_SENS\_v01\_M

### PRODUCERS

Name	Abbreviation	Affiliation	Role
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UN Refugee Agency	UNHCR	UN	Documentation of the study
Development Economics Data Group	DECDG	World Bank	Metadata adapted for Microdata Library

## DATE OF METADATA PRODUCTION

2021-06-11

## DDI DOCUMENT VERSION

Version 01: This metadata was downloaded from UNHCR Microdata Library catalog (<https://microdata.unhcr.org/index.php>).

The following two metadata information has been edited - Document and Survey ID.

**data\_dictionary**

<b>Data file</b>	<b>Cases</b>	<b>variables</b>
<b>UNHCR_LBR_2012_SENS_CH_data_anon</b> Microdata from the modules on children 0-59 months anonymized for public release.	0	35
<b>UNHCR_LBR_2012_SENS_WM_data_anon</b> Microdata from the modules on women 15-49 years anonymized for public release.	0	7



**Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**

Microdata from the modules on children 0-59 months anonymized for public release.

Cases:	0
variables:	35

**variables**

ID	Name	Label	Question
V1	id	Unique id	
V2	hh	Household number - not linked to other modules	
V3	sex	Child's gender	
V4	months	Age of child in months	
V5	weight	Weight in kg	
V6	height	Height in cm	
V7	edema	Presence of bilateral pitting oedema	
V8	muac	Middle upper arm circumference in mm or cm	
V9	enrol	Child currently being treated for malnutrition	
V10	measles	Vaccination against measles	
V11	vita	Vitamin A capsule in past 6 months	
V12	diar	Diarrhoea in past 2 weeks	
V13	chhb	Haemoglobin (Hb) in g/dL ( $\hat{A}\pm 0.1$ g/dL) or in g/L ( $\hat{A}\pm 1$ g/L)	
V14	refer	Referral	
V15	everbf	Child ever breastfed	
V16	initbf	How long after birth was child breastfed	
V17	yestbf	Child breastfed yesterday	
V18	water	Yesterday drank water	
V19	inform	Yesterday drank infant formula	
V20	milk	Yesterday drank milk	
V21	juice	Yesterday drank juice	
V22	broth	Yesterday drank clear broth	
V23	yogurt	Yesterday drank sour milk or yogurt	
V24	thinpor	Yesterday drank thin porridge	
V25	whteacof	Yesterday drank te or coffee with milk	
V26	watlqd	Yesterday drank other water-based liquids	
V27	food	Yesterday ate solid food	
V28	bottle	Yesterday drank from bottle	
V29	fleshfd	Yesterday ate meat	
V30	fbf	Yesterday ate fortified-based foods	
V31	rutf	Yesterday ate ready-to-use therapeutic food (RUTF)	
V32	rusf	Yesterday ate ready-to-use supplementary food (RUSF)	
V33	lms	Yesterday ate lipid-based nutrient supplements (LNS)	
V34	informfe	Yesterday ate iron-fortified infant formula	
V35	foodfe	Yesterday ate any iron-fortified food	

total: 35



**Data file: UNHCR\_LBR\_2012\_SENS\_WM\_data\_anon**

Microdata from the modules on women 15-49 years anonymized for public release.

Cases: 0

variables: 7

**variables**

ID	Name	Label	Question
V36	id	unique ID	
V37	age_group	Age in years	
V38	pregnant	Pregnant	
V39	anc	Antenatal care (ANC) programme	
V40	ferec	Receiving iron-folate pills	
V41	wmhb	Haemoglobin in g/dL ( $\hat{A}\pm 0.1$ g/dL) or in g/L ( $\hat{A}\pm 1$ g/L)	
V42	wmrefer	Referral to health centre	

total: 7



**ID: Unique id****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 1 - 719    Format: Numeric

**MEASLES: Vaccination against measles****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

**HH: Household number - not linked to other modules****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 1 - 681    Format: Numeric

**SEX: Child's gender****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

**MONTHS: Age of child in months****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 59    Format: Numeric

**WEIGHT: Weight in kg****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 4.6 - 21.3    Format: Numeric

**HEIGHT: Height in cm****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 57.8 - 111 Format: Numeric

**EDEMA: Presence of bilateral pitting oedema****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**MUAC: Middle upper arm circumference in mm or cm****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 79 - 200 Format: Numeric

**ENROL: Child currently being treated for malnutrition****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**VITA: Vitamin A capsule in past 6 months****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**DIAR: Diarrhoea in past 2 weeks****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**CHHB: Haemoglobin (Hb) in g/dL ( $\hat{\pm}0.1$  g/dL) or in g/L ( $\hat{\pm}1$ g/L)****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 3.9 - 13.9 Format: Numeric

**REFER: Referral****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**EVERBF: Child ever breastfed****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**INITBF: How long after birth was child breastfed****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**YESTBF: Child breastfed yesterday****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**WATER: Yesterday drank water****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**INFORM: Yesterday drank infant formula****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**MILK: Yesterday drank milk****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**JUICE: Yesterday drank juice****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**BROTH: Yesterday drank clear broth****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**YOGURT: Yesterday drank sour milk or yogurt****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**THINPOR: Yesterday drank thin porridge****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

**WTEACOF: Yesterday drank te or coffee with milk****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

**WATLQD: Yesterday drank other water-based liquids****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

**FOOD: Yesterday ate solid food****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

**BOTTLE: Yesterday drank from bottle****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

**FLESHFD: Yesterday ate meat****Data file:** UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**FBF: Yesterday ate fortified-based foods****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**RUTF: Yesterday ate ready-to-use therapeutic food (RUTF)****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**RUSF: Yesterday ate ready-to-use supplementary food (RUSF)****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**LNS: Yesterday ate lipid-based nutrient supplements (LNS)****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**INFORMFE: Yesterday ate iron-fortified infant formula****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character



**FOODFE: Yesterday ate any iron-fortified food****Data file: UNHCR\_LBR\_2012\_SENS\_CH\_data\_anon****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 1    Range: -    Format: character

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**ID: unique ID****Data file:** UNHCR\_LBR\_2012\_SENS\_WM\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 1 - 330 Format: Numeric

**AGE\_GROUP: Age in years****Data file:** UNHCR\_LBR\_2012\_SENS\_WM\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	15-19yrs
2	20-24yrs
3	25-29yrs
4	30-34yrs
5	35-39yrs
6	40-44yrs
7	45-49yrs

**PREGNANT: Pregnant****Data file:** UNHCR\_LBR\_2012\_SENS\_WM\_data\_anon**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	1
2	2

**ANC: Antenatal care (ANC) programme****Data file:** UNHCR\_LBR\_2012\_SENS\_WM\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	.
2	1
3	2

**FEREC: Receiving iron-folate pills****Data file:** UNHCR\_LBR\_2012\_SENS\_WM\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	.
2	1
3	2

**WMHB: Haemoglobin in g/dL ( $\hat{A}\pm 0.1$  g/dL) or in g/L ( $\hat{A}\pm 1$ g/L)****Data file:** UNHCR\_LBR\_2012\_SENS\_WM\_data\_anon**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 10    Range: 5.7 - 19    Format: Numeric

**WMREFER: Referral to health centre****Data file:** UNHCR\_LBR\_2012\_SENS\_WM\_data\_anon

**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

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## CATEGORIES

Value	Category
1	.
2	1

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# study\_resources

## questionnaires

### Standardised Expanded Nutrition Survey 2012, Questionnaire

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title Standardised Expanded Nutrition Survey 2012, Questionnaire  
subtitle Refugee camps: Bahn, Dougee, Solo, PTP and Little Wlebo  
country Liberia  
language English  
filename UNHCR\_Liberia\_2012\_SENS\_questionnaire.pdf

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## reports

### Standardised Expanded Nutrition Survey 2012, Report

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title Standardised Expanded Nutrition Survey 2012, Report  
subtitle Refugee camps: Bahn, Dougee, Solo, PTP and Little Wlebo  
date 2013-01-01  
country Liberia  
language English  
filename UNHCR\_Liberia\_2012\_SENS\_Report.pdf

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