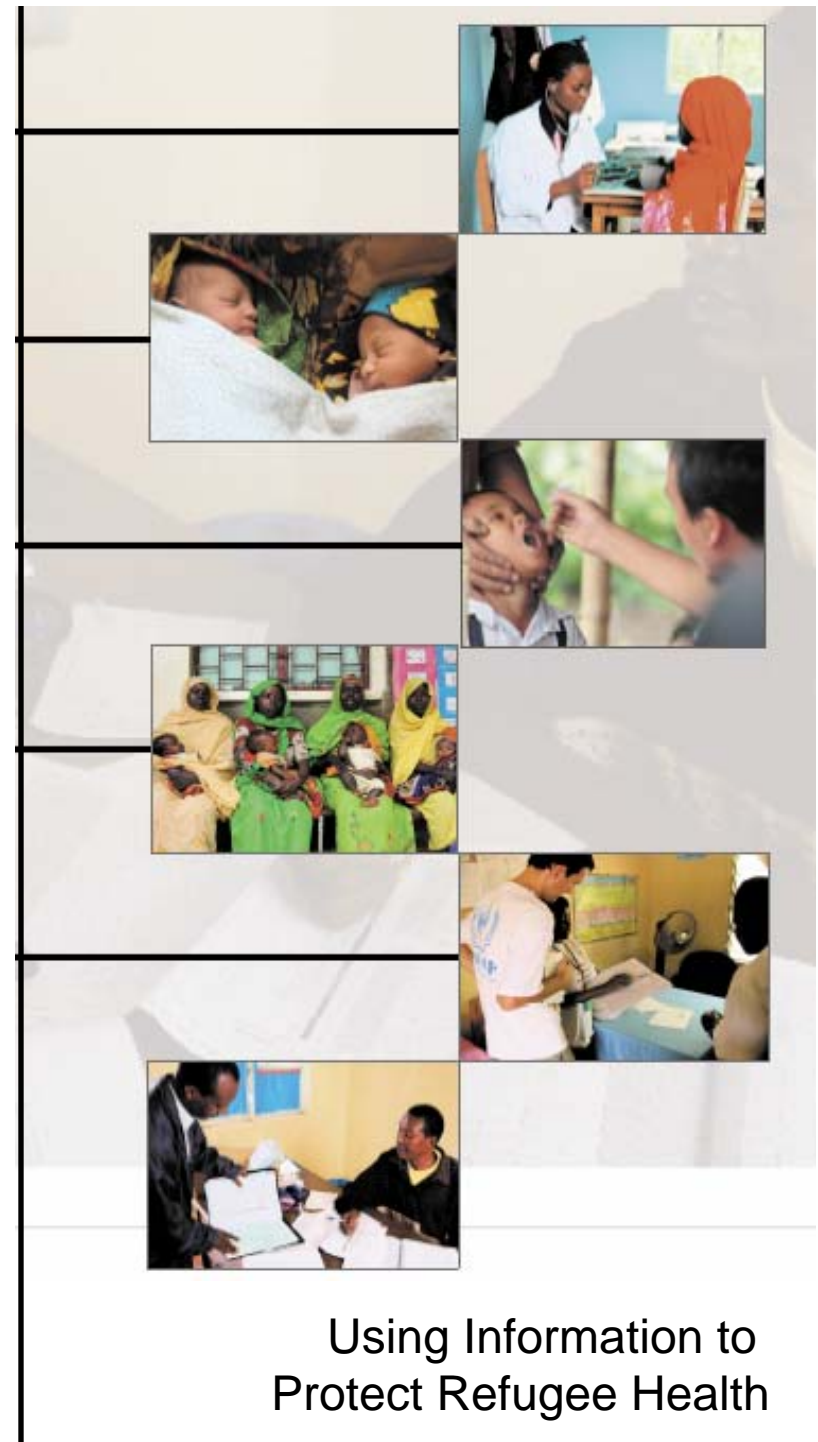


Health Information System (HIS)

Module 8 – Nutrition Therapeutic Feeding Programme



Using Information to
Protect Refugee Health



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>1 What are the tools used for data collection?

- **Primary Tools**
 - **Severe Malnutrition Register**
 - **Patient Record Form**
 - **Medical Register**
 - **Weekly + Monthly Nutrition Report**

- **Secondary Tools**
 - **NCHS/WHO Reference Values**
 - **Clinical Notes**



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>2 Who is responsible for collecting the data?

- TFP staff in each camp should take responsibility for recording information
- Feeding Centre Supervisor is responsible for compiling Weekly Nutrition Report

>3 What data should be collected and how?

- Registers to monitor care of following nutritionally at-risk groups:
 - **Severely Malnourished Children**
 - **Medical cases**
- Types, objectives and criteria for each program to be based upon nutrition situation on the ground



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How to classify malnutrition

Malnutrition classification	Cut-off
Mild	< 90% median
Moderate	< 80% median
Severe	< 70% median



Severe Malnutrition

- Use NCHS/WHO Reference values for WFH %median
- Distinction between Marasmus and Kwashiorkor
- Calculation of Target Weight; and weight measurements each day of admission



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Patient Record Form

- Updated alongside TFP Register
- Assist monitoring of clinical status and weight gain during admission
- Does not replace need for detailed clinical history and examination notes

Health Information System

8.2 Therapeutic Feeding Program: Patient Record Form

Name: _____ Serial No.: _____ Name of mother: _____
 Age: _____ Reg. No.: _____ Address: _____
 Sex (M / F): _____ Date of admission: ____ / ____ / ____ Status (Ref / Nat): _____

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Date																																
Weight (kg)																																
Height (cm)																																
Temp (°C)																																

Target Weight (kg): _____
 (use NCHS / WHO reference)

Cedema (+ / ++ / +++ / ++++)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	

Date of exit: ____ / ____ / ____ Length of stay (days): _____
 Reason for exit *: _____ Average weight gain (g / kg / day) **: _____

* Reason for exit: 1. Discharge cured to SFP 2. Death 3. Default 4. Referral ** See guide on reverse HISGVA0108E

Average Weight Gain

- Definition:
 - Average number of grams that each recovered child gained, **per kilogram of weight**, during admission to TFP
 - This is an important indicator, often misunderstood and misreported



Example

- A 4 year old girl is admitted to the TFP with a weight of 8.2 kg on admission
- She is discharged at her target weight of 10.1 kg
- What was her average rate of weight gain per day of admission?
- Her total length of stay was 27 days



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Health Information System

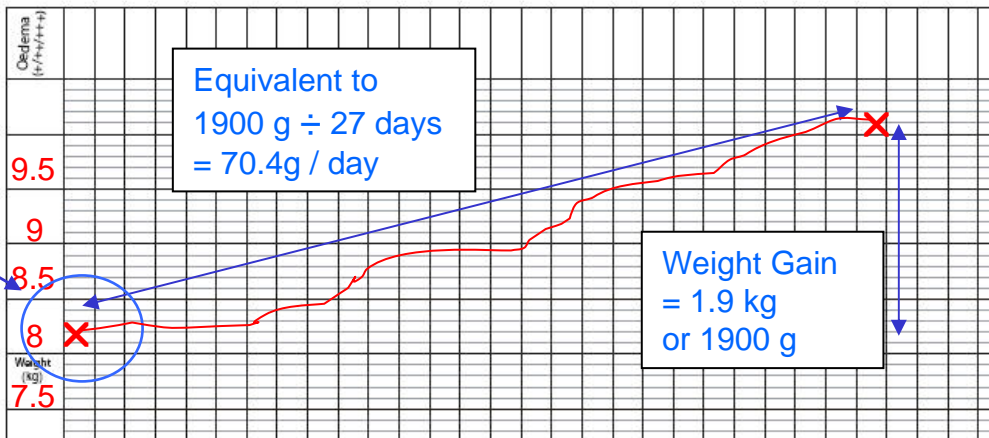
8.2 Therapeutic Feeding Program: Patient Record Form

Name: _____ Serial No.: _____ Name of mother: _____
 Age: **4 years** Reg. No.: _____ Address: _____
 Sex (M / F): **Female** Date of admission: ____ / ____ / ____ Status (Ref / Nat): _____

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Date																																
Weight (kg)																																
Height (cm)																																
Temp (°C)																																

Equivalent to
 $70.4 \text{ g / day} \div 8.2 \text{ kg}$
 $= 8.6 \text{ g / kg / day}$

Target Weight (kg): **10.1**
 (use NCHS / WHO reference)



Standard > 8.0 g / kg / day

Date of exit: ____ / ____ / ____ Length of stay (days): **27 days**
 Reason for exit *: _____ Average weight gain (g / kg / day) **: **8.6 g / kg / day**

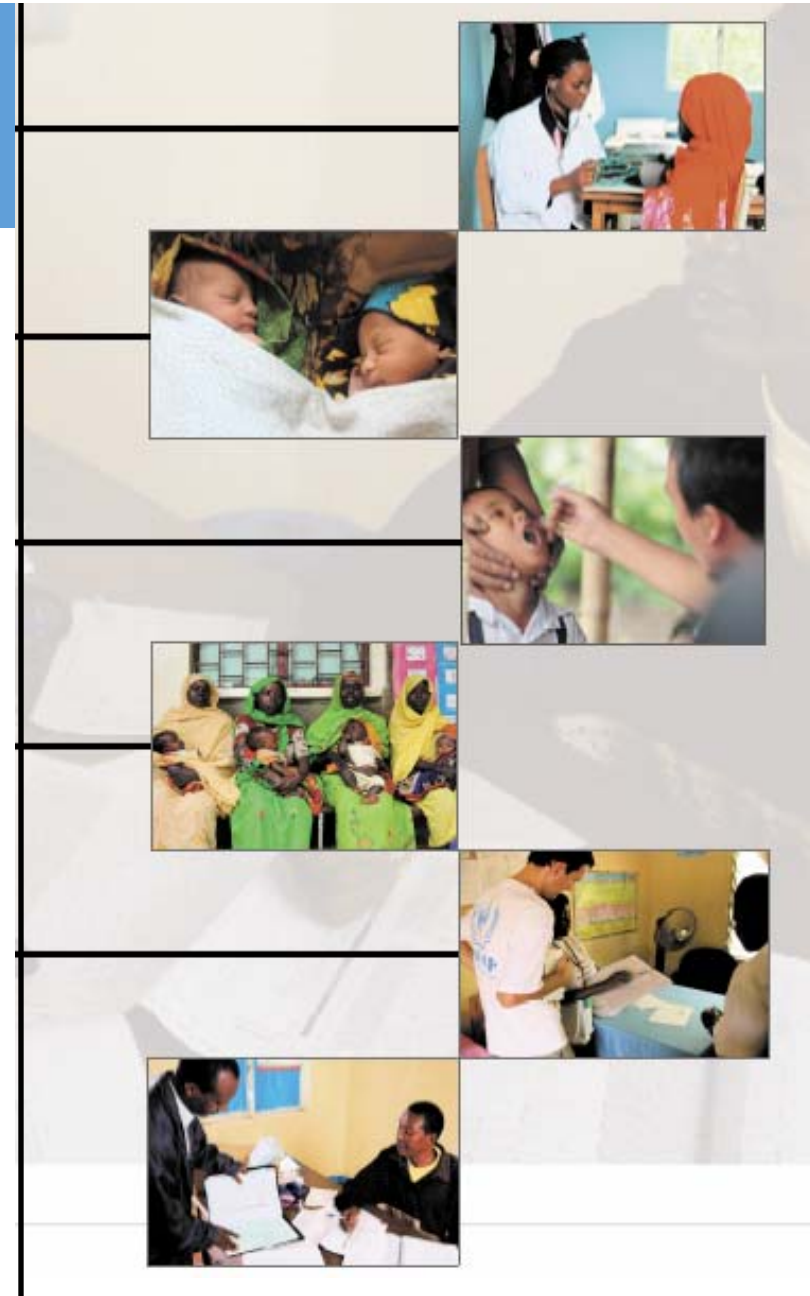
* Reason for exit: 1. Discharge cured to SFP 2. Death 3. Default 4. Referral ** See guide on reverse HISGVA0108E

Exercise Work

Health Information System (HIS)

Module 8: Nutrition Therapeutic Feeding Programme

Question 1



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Medical Cases

- Clearly defined eligibility criteria are important
- Reason for admission should be clearly specified; according to objective criteria defined in Nutrition Protocol
- Date of attendance and/or other data relevant to reason for admission recorded



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Medical Register

Serial No.	Reg. No.	Name	Age	Sex (M / F)	Status (Ref / Nat)	Address	Date of admission	Reason for admission	Re-adm. (Y / N)	Attendance (Enter date)													
										Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12		

Attendance (Enter date)																																Date of exit	Reason for exit									
Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21	Day 22	Day 23	Day 24	Day 25	Day 26	Day 27	Day 28	Day 29	Day 30	Day 31	Day 32	Day 33	Day 34	Day 35	Day 36	Day 37	Day 38	Day 39	Day 40	Day 41	Day 42	Day 43	Day 44			Day 45	Day 46							

→ 1. Discharge
 2. Death
 3. Default
 4. Referral



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>4 How and when should the data be reported?

- Retrieve data from Registers
- Enter into Weekly Nutrition Report for EACH feeding centre
- Reporting of **Sum Length of Stay** and **Average Weight Gain**



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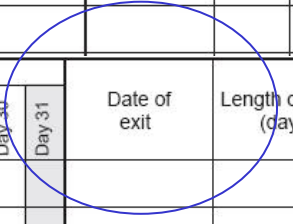
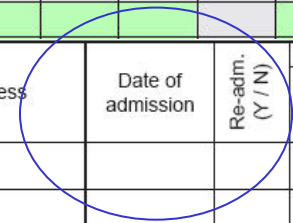
8.2 Therapeutic Feeding Program

Report sum Length of Stay and sum Average Weight Gain at the end of each month

Number at beginning of week (A)	Marasmus	<input type="checkbox"/>	M	R	A	5	Total	TFP Total
	Kwashiorkor							
	Other							
Enter refugee data ONLY								
N	Marasmus		Sum of days stay for discharged children (< 5)					
	Marasmus		Sum wt. gain for discharged children (< 5) (g / kg / day)					
N	Kwashiorkor		Sum no. of days stay for discharged children (< 5)					
	Kwashiorkor		Sum av. wt. gain for discharged children (< 5) (g / kg / day)					
T	Other							
discharge cured to SFP								

Length of Stay and Average Weight Gain are inclusive of day of admission and day of exit

Only reported for **refugee** children **under 5** who are **discharged (recovered)**



Serial No.	Status Ref / Nat)	Address	Date of admission	Re-adm. (Y / N)	Day 1				Target Weight (kg)	Weight (kg)							
					Weight (kg)	Height (cm)	Oedema (+/+++/+++)	WFH		Day 2	Day 3	Day 4	Day 5	Day 6	Day 7		
Day 8	Day 9	Weight (kg)			Day 26	Day 27	Day 28	Day 29	Day 30	Day 31	Date of exit	Length of stay (days)	Average weight gain (g / kg / day)	Reason for exit *	Notes		

	Sum av. wt. gain for discharged children (< 5) (g / kg / day)
--	---

>5 How should the data be interpreted and used?

- Enter data into Monthly Excel Spreadsheet
- Understand how to interpret and use the indicators that are generated
 - **Performance Indicators**
 - **Length of Stay and Average Weight Gain**
 - **Program Coverage**
 - **Access and Utilisation**

Health Information System

Monthly Reporting Form

Name of Organisation _____

Name of Camp & Unit _____

Current Month _____

8.0 Nutrition

8.1 Supplementary Feeding Program

	Refugee						National						SFP Total	
	<5		≥5		Total	Prog.	Lact.	<5		≥5		Total		Prog.
Number at beginning of month (A)	M	F	M	F				M	F	M	F			
Number of new admissions	1. WPH <85% or <2 Z2													
	2. WPH <85% or <2 Z2													
	3. TFP referral													
	4. Other													
Number of re-admissions	1. WPH <85% or <2 Z2													
	2. WPH <85% or <2 Z2													
	3. TFP referral													
	4. Other													
Number of exits	1. Discharge													
	2. Death													
Total Admissions (B)														
Total Admissions (C)														
Number at end of month (A + B - C)														

Health Information System
Weekly Reporting Form
8.0 Nutrition

Name of Organisation _____
Name of Camp & Unit _____
Current Week & Month _____

8.1 Supplementary Feeding Program

	Refugee						National						SFP Total	
	<5		≥5		Total	Prog.	Lact.	<5		≥5		Total		Prog.
Number at beginning of week (A)	M	F	M	F				M	F	M	F			
Number of new admissions	1. WPH <85% or <2 Z2													
	2. WPH <85% or <2 Z2													
	3. TFP referral													
	4. Other													
Number of re-admissions	1. WPH <85% or <2 Z2													
	2. WPH <85% or <2 Z2													
	3. TFP referral													
	4. Other													
Number of exits	1. Discharge													
	2. Death													
Total Admissions (B)														
Total Admissions (C)														
Number at end of week (A + B - C)														

Health Information System
Weekly Reporting Form
8.0 Nutrition

Name of Organisation _____
Name of Camp & Unit _____
Current Week & Month _____

8.1 Supplementary Feeding Program

	Refugee						National						SFP Total	
	<5		≥5		Total	Prog.	Lact.	<5		≥5		Total		Prog.
Number at beginning of week (A)	M	F	M	F				M	F	M	F			
Number of new admissions	1. WPH <85% or <2 Z2													
	2. WPH <85% or <2 Z2													
	3. TFP referral													
	4. Other													
Number of re-admissions	1. WPH <85% or <2 Z2													
	2. WPH <85% or <2 Z2													
	3. TFP referral													
	4. Other													
Number of exits	1. Discharge													
	2. Death													
Total Admissions (B)														
Total Admissions (C)														
Number at end of week (A + B - C)														

8.2 Therapeutic Feeding Program (TFP)

Therapeutic Feeding Program (TFP) Indicators

Marasmus

Sum no. of days stay for disch children (<5)	
Sum average wt. gain for disch children (<5)	
b. Mean length of stay (< 5)	
c. Average weight gain (g / kg / day)	

Performance Indicators (< 5)	Ref	Nat
c. Recovery rate		
d. Death rate		
e. Default rate		
Referral rate		

Kwashiorkor

Sum no. of days stay for disch children (<5)	
Sum average wt. gain for disch children (<5)	
b. Mean length of stay (< 5)	
c. Average weight gain (g / kg / day)	

Performance Indicators (< 5)	Ref	Nat
c. Recovery rate		
d. Death rate		
e. Default rate		
Referral rate		

Coverage

Severe Acute Malnutrition Rate (%)	
Target Population for TFP (<5)	0
f. Coverage of TFP (< 5)	

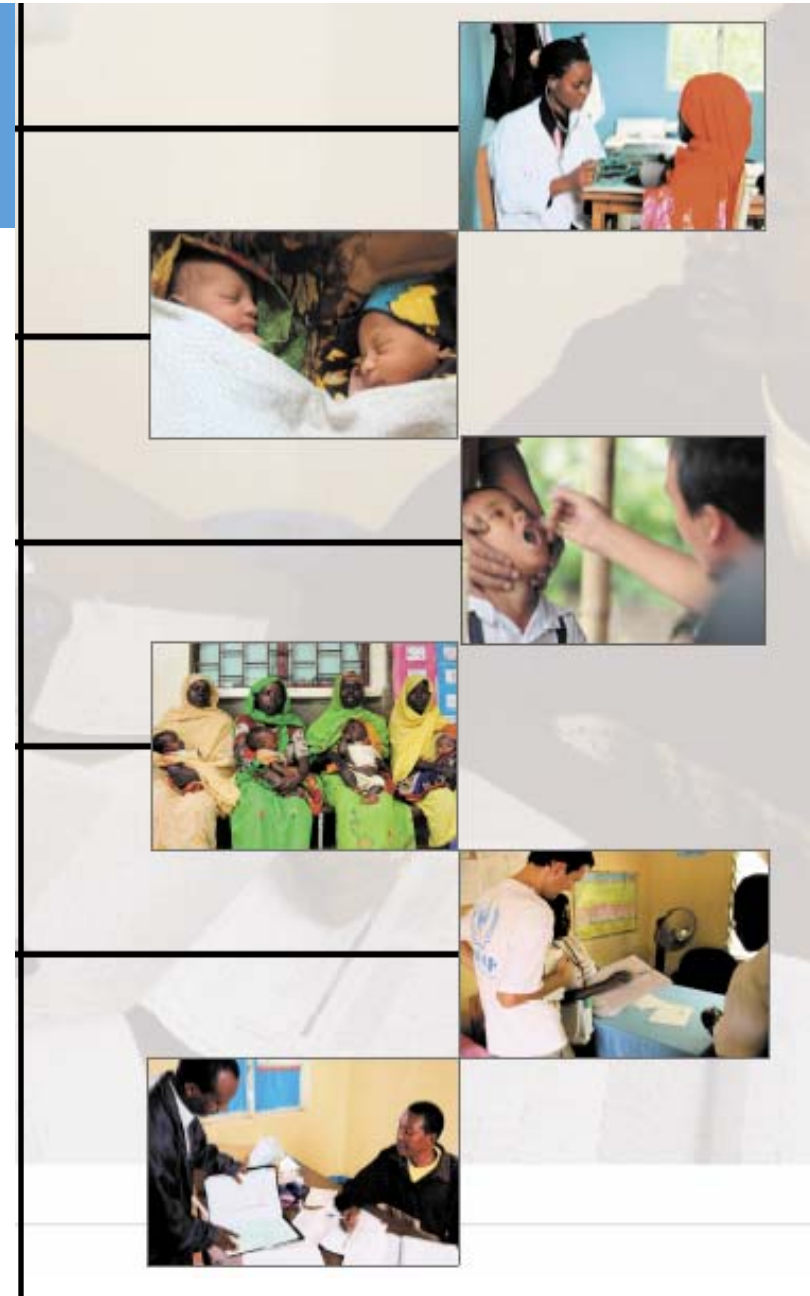
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Exercise Work

Health Information System (HIS)

Module 8: Nutrition Therapeutic Feeding Programme

Question 2



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