

Comparison of
Humanitarian Assistance
standards

The Sphere Project

and

**UNHCR Emergency
Handbook**

Compiled by InterWorks
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**International Humanitarian Assistance by the Numbers
(A Comparison, February, 2001)**

TOPIC/AREA/ISSUE	SPHERE PROJECT	UNHCR EMERGENCY HANDBOOK
WATER		
QUANTITY	<u>15 liters per person per day collected</u>	15 liters per person per day, absolute minimum for short term survival is 7 liters per person per day
SYSTEM/DELIVERY	Taps provide flow rate of at least 0.125 liters per second	
	At least one water point per 250 people	"at least one tap per 80-100 refugees and no more than 200 refugees per handpump or per well with one rope and bucket"
QUALITY	No more than 10 faecal coliforms per 100ml at point of delivery	1-10 faecal coliforms per 100ml is "reasonable quality"
	For piped systems - residual free chlorine at tap is 0.2-0.5 mg per liter and turbidity is less than 5 NTU.	residual free chlorine at tap is 0.2-0.5 mg per liter at distribution point
	Dissolved solids no more than 1,000 mg per liter	
HYGIENE - SANITATION		
Soap	250g soap per person per month	
Laundry	1 washing basin per 100 people	
Toilets/latrines	Maximum 20 people per toilet	1 latrine per family or as second option, 1/20 persons, or third option 1 per 100 persons or defecation field.
Refuse bins	100 l container per 10 families	100 l container per 10 families or 50 persons
Refuse pits	No shelter farther than 15m from container or 100m from communal refuse pit	1 pit 2m x 5m x 2m deep per 500 persons

CAMP SITE PLANNING		
Gross area	45 m ² per person (inclusive of all uses except agriculture or garden)	30 m ² per person (inclusive of all uses except agriculture or garden space)
Dimensions/distances	Maximum distance between shelter and toilets is 50 meters	Maximum distance between shelter and toilets is 50 meters
Firebreaks	2m between shelters, 6m between clusters of shelters, 15 m between blocks of clusters	30m per every 300m of built-up area
Distance between wells/springs and latrines	Latrines farther than 30m from ground water sources and 1.5 m above water table	Latrines farther than 30m from ground water sources and 1.5 m above water table
	Maximum distance from any shelter to water point is 500 meters	"no dwelling should be further than 100 meters or a few minutes' walk from distribution points"
Elevation/drainage	3 m above high water table	
	2-4% gradient (ideal) and not more than 7% without extensive site engineering	
SHELTER		
Shelter Area	3.5-4.5 m ² covered area per person	3.5 m ² covered area per person in tropical climates 4.5 - 5.5 m ² covered area per person in cold or urban situations
Plastic sheeting for temporary shelter	4m x6m sheet per household of 5 people. (to meet UNHCR material spec.)	4m X 5m reinforced plastic tarpaulins in sheets with aluminum eyelets all four sides (material specs follow)
FOOD / NUTRITION		
Calories	2,100 kcals per day (initial planing figure to be modified based on thorough demographic analysis of population)	2,100 kcals per day (initial planing figure)
Makeup	10-12% total energy from protein 17% total energy from fat	10-12% total energy from protein 17% total energy from fat

Medical Staff	<ul style="list-style-type: none"> • 1 home visitor for each 500-1,000 population • 1 TBA for each 2,000 • 1 supervisor for each 10 home visitors <ul style="list-style-type: none"> • 1 senior supervisor • 1 peripheral health facility per 10,000 population • 1 central health facility for each 10,000 population 	Approximate staffing levels for Refugee Health and Sanitation Services for a population of 10-20,000: <ul style="list-style-type: none"> ➤ Community health worker: 10-20 ➤ Traditional Birth Attendant: 6-10 ➤ Public Health Nurse: 1 ➤ Clinic Nurses Midwives: 3-4 ➤ Doctors/Medical Assistants: 1-3 ➤ Pharmacy Attendant: 1 ➤ Laboratory Technician: 1 ➤ Dressers/ Assistants: 10 ➤ Sanitarians: 2-4 ➤ Sanitation Assistants: 20
NON-FOOD ITEMS (DOMESTIC NEEDS)		
Water containers	2 vessels 10-20 l for collecting plus 1 20 l vessel for water storage, narrow necks and covers	Ability to transport 10 l, and ability to store 20 l per 5 - person household
Eating Utensils	<ul style="list-style-type: none"> • 1 cooking pot with lid <ul style="list-style-type: none"> • 1 basin • 1 kitchen knife • 2 wooden spoons • 1 plate per person • 1 spoon per person, • 1 mug per person 	
PROTECTION AND SECURITY		
location	50 k from threat (border?)	" a reasonable distance"