

Assessment of the Health Resources in West Darfur

Date: Dec 4, 2006

Highlights:

This report presents the following assessments:

- Available health resources (i.e., HFs, working agencies, and medical staff) in West Darfur State
- Gap analysis of the available health facilities against the minimum standards to be attained in disaster situation (as standards of the PHC services along with the Sphere standards).
- NGOs' interventions in WD (i.e., percentage of contribution of each NGO to the health facilities, beneficiaries of NGOs services per locality,.. etc)

PHC Standards:

The table below shows the standards of PHC services that should be available per health facility, against certain number of population;

| HF | Population | Services Provided / Description |
|--|----------------|--|
| PHCU (Primary Health Care Unit) | 10,000 | <ul style="list-style-type: none"> • Health education with focus on environmental sanitation • Vaccination and prevent of diseases. • First level outpatient service |
| Dispensary | 10,000 | <ul style="list-style-type: none"> • ORT, Dressing • Data collection |
| (PHCC) Primary Health Care Center | 50,000 | <ul style="list-style-type: none"> ▪ Basic health unit services ▪ Family planning ▪ Short stay services ▪ Essential lab. Services ▪ X-Ray services ▪ Provision of the essential drug list for the HC ▪ Supervision on BHU activities |
| Rural or Referral Hospital | 100,000 | <ul style="list-style-type: none"> ▪ Management of emergencies including EOC, severe malnutrition and TF ▪ Essential lab services + Blood grouping ▪ Dental and ophthalmology services ▪ Provision of the essential drug list for the RH ▪ Supervision on HC activities |

Table 1: Summary of the HFs, working agencies, and medical staff on admin unit level:

| Locality | Admin. Unit | H. Facility Type | | | | Agency | Medical Staff | | | | | | | | | | |
|-------------|-------------|------------------|----|-----------|-------|--|---------------|-----|----|-----|-----|------|-----|-------|------|-------|--------|
| | | PHCU | HC | Mob. Unit | Disp. | | MD | PHO | MA | NUR | MDW | NUTR | WSO | LAB.T | VMDW | CHP/W | OTHERS |
| EL Geneina | GENEINA | 6 | 7 | 0 | 0 | IMC, MEDAIR, CONCERN,TEARFUND, SC-US, ISLAMIC RELIEF, IARA | 11 | 2 | 14 | 28 | 19 | 9 | 1 | 7 | 7 | 20 | 106 |
| | KERENEK | 6 | 0 | 0 | 0 | SC-US, CONCERN, WORLD RELIEF, IARA, MEDAIR | 3 | 1 | 3 | 6 | 7 | 4 | 0 | 2 | 6 | 13 | 30 |
| | MORNEI | 4 | 2 | 0 | 0 | MSF/F, IARA, SC-US, CONCERN, MEDAIR | 4 | 1 | 9 | 22 | 9 | 12 | 0 | 2 | 17 | 50 | 46 |
| | MASTERI | 0 | 1 | 0 | 0 | MEDAIR, TEARFUND | 0 | 0 | 2 | 1 | 4 | 3 | 1 | 0 | 4 | 8 | 17 |
| | Aesh Barra | 4 | 0 | 1 | 0 | MEDAIR, SC-US, CAM, | 0 | 0 | 4 | 5 | 1 | 0 | 0 | 0 | 7 | 8 | 12 |
| Kulbus | KULBUS | 11 | 0 | 0 | 1 | COSV/MOH, MEDAIR, CONCERN, CAM, | 2 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 3 | 34 | 45 |
| | SELEIA | 1 | 1 | 0 | 0 | ICRC/MOH, CONCERN | 1 | 0 | 2 | 4 | 1 | 10 | 0 | 0 | 5 | 3 | 6 |
| | SIRBA | 5 | 1 | 2 | 1 | MEDAIR, CAM | 0 | 0 | 5 | 14 | 4 | 0 | 0 | 0 | 10 | 14 | 17 |
| Habilah | HABILLAH | 2 | 2 | 0 | 0 | MSF/CH, SC-US | 3 | 0 | 7 | 9 | 5 | 0 | 0 | 2 | 4 | 37 | 59 |
| | BEIDA | 0 | 2 | 0 | 1 | MEDAIR/MOH, TEARFUND, MEDAIR | 0 | 0 | 3 | 0 | 6 | 0 | 1 | 0 | 0 | 4 | 14 |
| | FOR BARANGA | 5 | 1 | 0 | 0 | SC-US | 2 | 0 | 5 | 11 | 7 | 0 | 0 | 2 | 6 | 38 | 44 |
| Zalingie | ZALINGI | 5 | 3 | 6 | 0 | MOH/MSFF, IMC, NCA, MSFF | 7 | 0 | 11 | 23 | 8 | 1 | 0 | 2 | 25 | 63 | 53 |
| | Terej | 1 | 0 | 2 | 0 | IMC, MEDAIR | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 5 | 7 | 13 |
| | Azoom | 0 | 0 | 0 | 1 | MEDAIR | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 7 |
| | Abaata | 0 | 0 | 0 | 1 | ICRC/MOH | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 5 |
| Wadi Saleh | Garsilla | 1 | 0 | 0 | 0 | NCA | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 4 | 5 |
| | Bindisi | 0 | 0 | 0 | 0 | MOH | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 4 |
| | Deleig | 0 | 1 | 0 | 0 | IMC | 2 | 0 | 2 | 4 | 2 | 0 | 0 | 0 | 3 | 5 | 6 |
| | Umkar | 1 | 0 | 0 | 0 | IMC | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 2 | 3 |
| Jebel Marra | Gulu | 1 | 0 | 0 | 0 | MOH | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 2 |
| | Rokero | 1 | 0 | 0 | 0 | MOH | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 |
| | Nertiti | 2 | 1 | 0 | 0 | MSF/F, MOH | 0 | 0 | 1 | 5 | 0 | 2 | 0 | 0 | 10 | 4 | 2 |
| | Gildo | 1 | 0 | 0 | 0 | MOH | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| Mukjar | Mukjar | 0 | 1 | 3 | 0 | MSFG/SRCS, IMC | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 5 | 20 | 4 |
| | Um Dukhon | 1 | 0 | 0 | 0 | MSFH | 1 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 2 | 10 | 4 |
| | Artala | 0 | 0 | 0 | 0 | IMC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Table 2: Summary of the HFs and medical staff on locality level:

| Locality | Total Pop. | * Health Facility Type | | | | | Medical Staff | | | | | | | | | | | |
|--------------|------------------|------------------------|-----------|-----------|-----------|----------|---------------|----------|-----------|------------|-----------|-----------|----------|-----------|------------|------------|------------|--|
| | | Rural Hospital | PHCU | HC | Mob. | Disp | MD | PHO | MA | NUR | MDW | NUTR | WSO | LAB T | VMDW | CHP/W | Others | |
| El Geneina | 390,521 | 1 | 20 | 10 | 1 | 0 | 18 | 4 | 32 | 62 | 40 | 28 | 2 | 11 | 41 | 99 | 211 | |
| Zalingie | 284,015 | 2 | 6 | 3 | 8 | 2 | 7 | 0 | 16 | 27 | 8 | 1 | 0 | 2 | 34 | 72 | 78 | |
| Kulubs | 106,506 | 0 | 17 | 2 | 2 | 2 | 3 | 0 | 10 | 24 | 5 | 10 | 0 | 0 | 18 | 51 | 68 | |
| Wadi Saleh | 248,513 | 1 | 2 | 1 | 0 | 0 | 3 | 0 | 5 | 9 | 4 | 0 | 0 | 0 | 8 | 12 | 18 | |
| Jebel Marra | 426,023 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 4 | 7 | 0 | 2 | 0 | 0 | 22 | 6 | 5 | |
| Habilah | 195,261 | 0 | 7 | 5 | 0 | 1 | 5 | 0 | 15 | 20 | 18 | 0 | 1 | 4 | 10 | 79 | 117 | |
| Mukjar | 124,257 | 0 | 1 | 1 | 3 | 0 | 2 | 0 | 3 | 3 | 0 | 2 | 0 | 2 | 7 | 30 | 8 | |
| Total | 1,775,096 | 4 | 58 | 23 | 14 | 5 | 38 | 4 | 85 | 152 | 75 | 43 | 3 | 19 | 140 | 349 | 505 | |

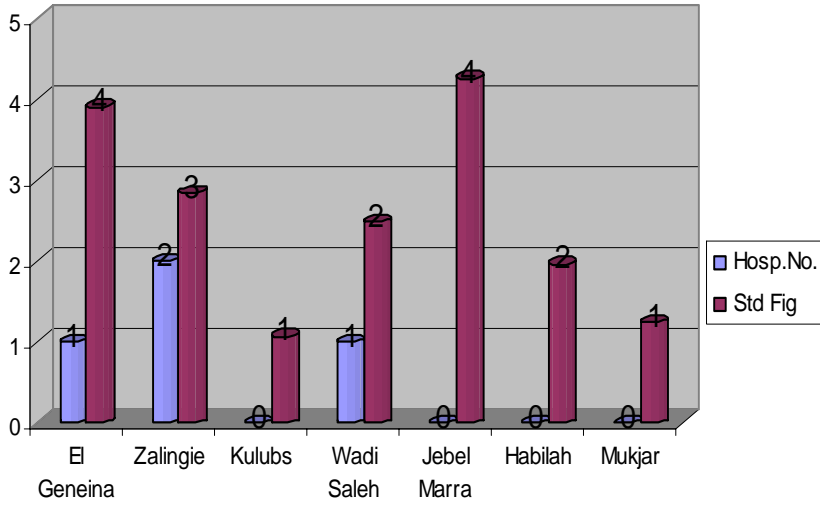
*** Abbreviations:**

PHCU: Primary Health Care Unit
 HC: Health Center
 Mob: Mobile Clinic
 Disp: Dispensary

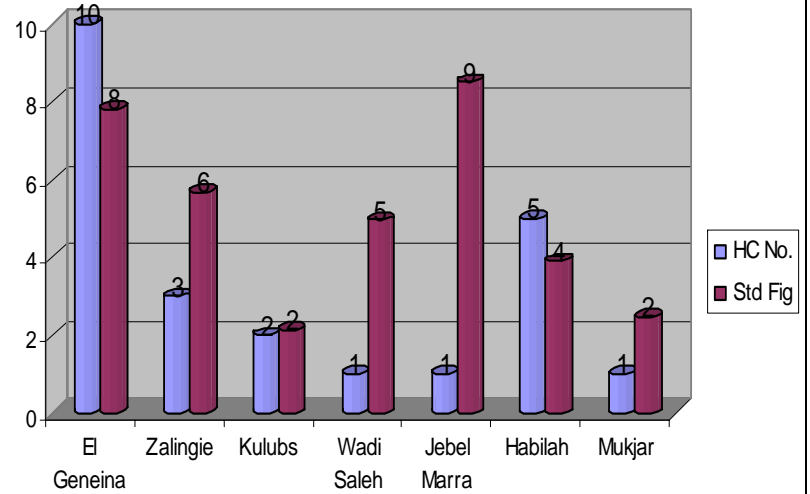
Gap Analysis of HFs in WD:

| Locality | Pop. | Rural Hospital | | | | | Health Center | | | | | PHCU | | | | |
|--------------------|------------------|----------------|-----------|-----------|------------|------------|---------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|------------|
| | | No. | Std Fig | Gap# | Coverage% | Gap % | No. | Std Fig | Gap# | Coverage % | Gap % | No. | Std Fig | Gap# | Coverage% | Gap % |
| El Geneina | 390,521 | 1 | 4 | 3 | 26% | 74% | 10 | 8 | -2 | 128% | -28% | 20 | 39 | 19 | 51% | 49% |
| Zalingie | 284,015 | 2 | 3 | 1 | 70% | 30% | 3 | 6 | 3 | 53% | 47% | 6 | 28 | 22 | 21% | 79% |
| Kulubs | 106,506 | 0 | 1 | 1 | 0% | 100% | 2 | 2 | 0 | 94% | 6% | 17 | 11 | -6 | 160% | -60% |
| Wadi Saleh | 248,513 | 1 | 2 | 1 | 40% | 60% | 1 | 5 | 4 | 20% | 80% | 2 | 25 | 23 | 8% | 92% |
| Jebel Marra | 426,023 | 0 | 4 | 4 | 0% | 100% | 1 | 9 | 8 | 12% | 88% | 5 | 43 | 38 | 12% | 88% |
| Habilah | 195,261 | 0 | 2 | 2 | 0% | 100% | 5 | 4 | -1 | 128% | -28% | 7 | 20 | 13 | 36% | 64% |
| Mukjar | 124,257 | 0 | 1 | 1 | 0% | 100% | 1 | 2 | 1 | 40% | 60% | 1 | 12 | 11 | 8% | 92% |
| Total | 1,775,096 | 4 | 18 | 14 | 22% | 78% | 23 | 36 | 13 | 63% | 37% | 58 | 181 | 123 | 32% | 68% |

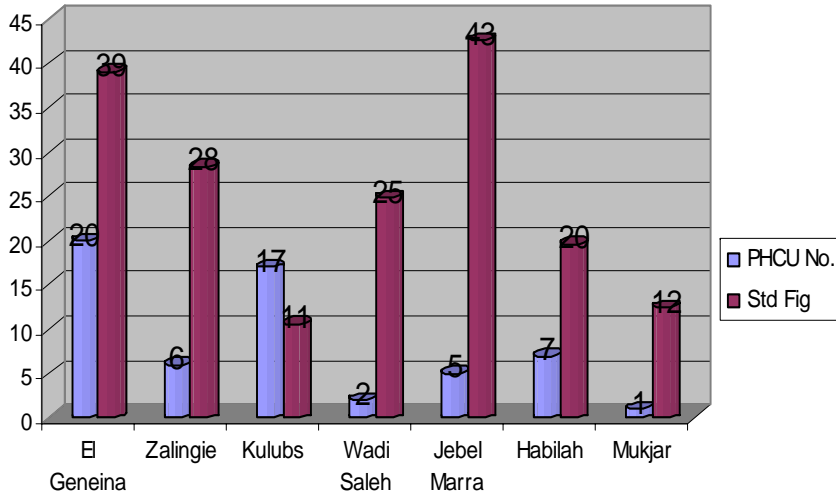
Rural Hospitals Coverage



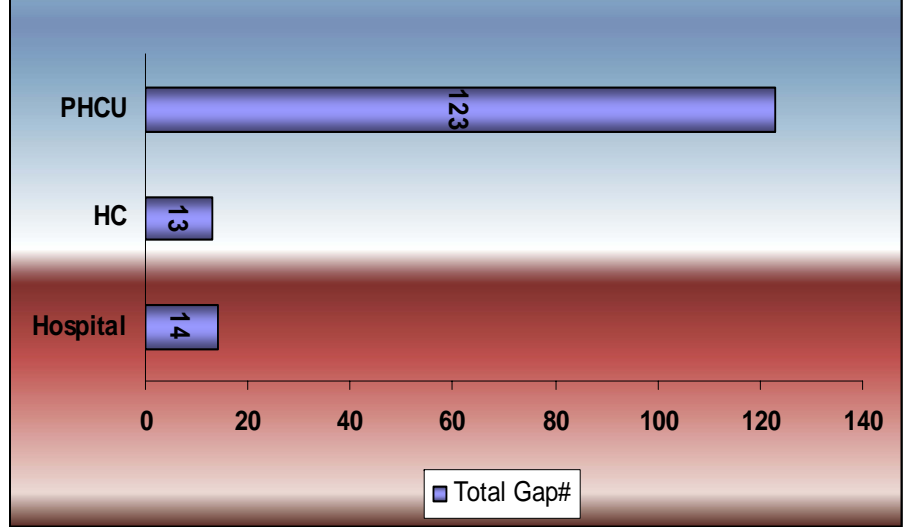
Health Centers Coverage



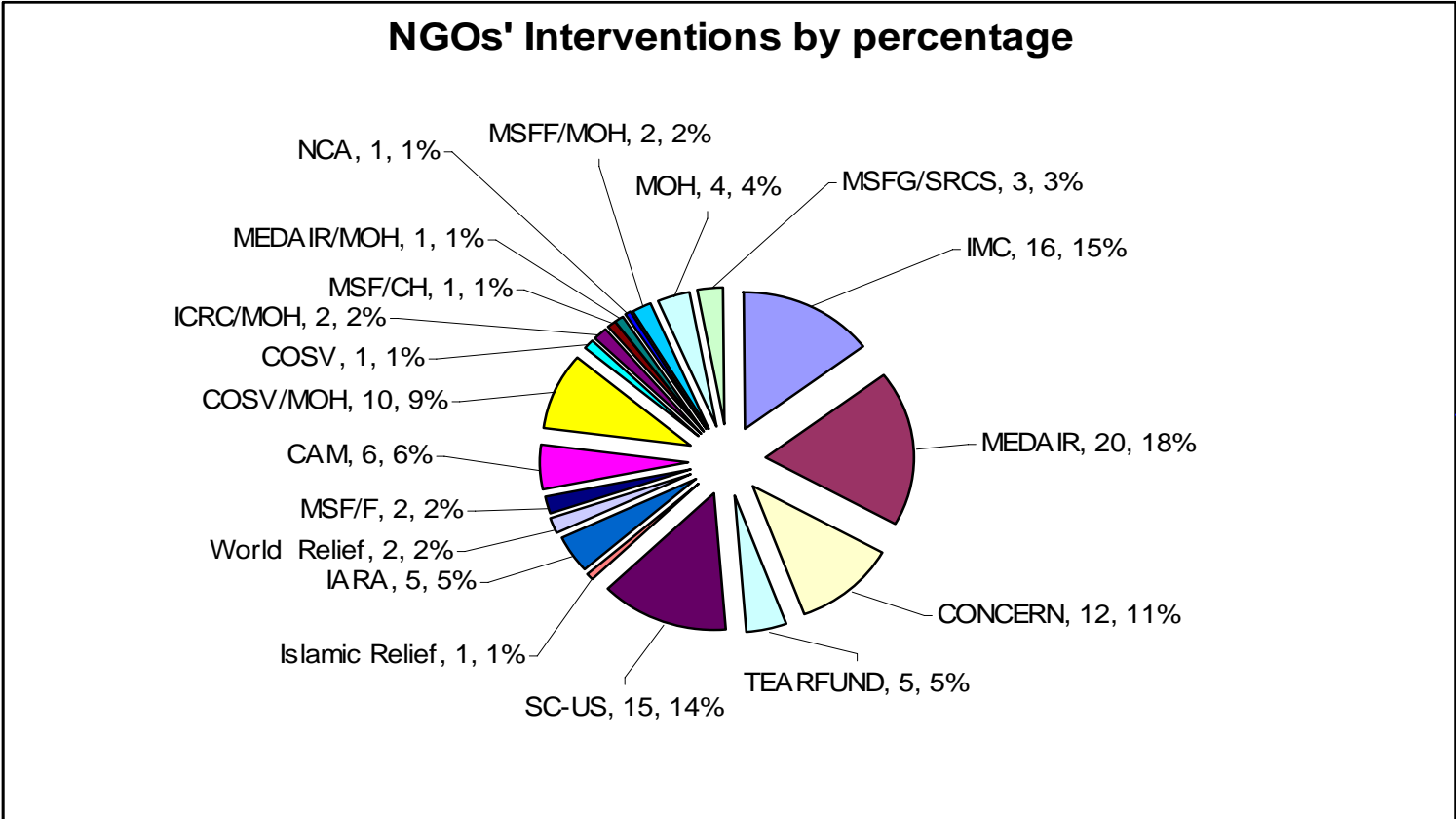
PHCU Coverage



Total Gap Numbers per HF



Estimated NGOs' Interventions in West Darfur:



This pie-chart represents summary of the total interventions of NGOs in WD, in terms of number of interventions done by each agency per locality.

For example, MEDAIR is supporting **20 HF** in different localities of West Darfur, which is considered as **18%** of the total contributions provided by all NGOs.

In this chart, the **bars** are representing the number of health facilities (*i.e., x-axis*) supported by specified NGO, while the *y-axis* is a representation of the beneficiaries of health facilities on locality level.

