



Food Security and Nutrition
Analysis Unit Somalia



Information for Better Livelihoods

Post Deyr 2012-2013

Presentation

22nd Jan 2013



Gedo Region



EUROPEAN COMMISSION



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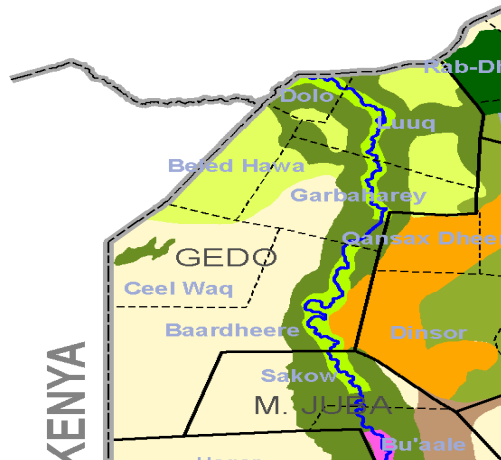
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Main Livelihood Groups



Livelihood Groups & Main Sources of Food and Income

- **2 Pastoral Livelihoods**
 - ☐ **Southern Inland-** keep camel, sheep & goat
 - ☐ **Dawa** – keep cattle, camel & shoat
 - ☐ Primary sources of income of poor: sale of livestock & livestock products
 - ☐ Primary sources of food of poor: purchase and own production
 - ☐ Primary livelihood assets of poor: camel, cattle and sheep/goat

- **2 Agro-pastoral Livelihoods** (Southern agro-pastoral and Bay agro-pastoral high potential)
 - ☐ **Southern agro-pastoral** are more pastoral than agriculturalists. Main sources of income: sale of livestock & livestock products, self-employment (fodder and bush products sales); main sources of food: purchase and own production
 - ☐ **Bay bakool agro-pastoral** are more agriculturalists than pastoralists. Main sources of income: sale of crops, livestock products and labour; main sources of food: own crop production and purchases.

- **Riverine Livelihood (Juba riverine pump irrigation)** are agriculturalists. Main production onion, tobacco, citrus and fruits; main sources of income: sale of crops and labour; main source of food: purchase and own crop production.

| Outcome indicators | GEDO Dawo Pastoral, Summary of Findings Gu'12, N=694 | GEDO Dawo Pastoral, Summary of Findings Deyr'12/13, N=507 |
|---|---|--|
| Child Nutrition status | | |
| ○ GAM (WHZ<-2 or oedema) | 28.4(23.0-34.5) | 15.6(12.4-19.4) |
| ○ SAM (WHZ<-3 or oedema) | 6.2(4.4-8.7) | 1.8(0.09-3.3) |
| ○ Oedema | N= 5 (0.7) | 0 |
| ○ Mean Weight-for Height Z (WHZ scores) | -1.30 ± 1.11 | -0.86 ±1.08 |
| ○ MUAC (<12.5 cm or oedema) | 7.0 (5.1-9.4) | 12.4 (9.8-15.5) |
| ○ Severe MUAC (<11.5cm) | 5 (1.3-3.5) | 2.9 (1.8-4.8) |
| ○ HIS Nutrition Trends | High (20%) and decreasing trends (Jan-June.'12) | High (20%) and decreasing trends |
| ○ TFPs/SFPs Admission trends | High levels and decreasing admission trends | High levels and stable |
| Crude death Rate/10,000/day (90days) | 0.59 (0.35-1.01) | 0.63 (0.37-1.04) |
| Under 5 death Rate/10,000/day (90days) | 1.36(0.77-2.40) | 2.00 (1.06-3.74) |
| Non-pregnant women with MUAC <18.5 cm | 0 | 0.3 (0.0-1.1) |
| Pregnant & Lactating women with MUAC<21.0 cm | 31 (24.0-37.7) | |
| Pregnant & Lactating women with MUAC<23.0 cm | 2.3(0.6-3.8) | 26.2 (15.5-37.0) |
| OVERALL NUTRITION SITUATION | Very Critical | Critical |
| Child Morbidity, Immunization, IYCF | | |
| ○ Disease Outbreaks: | No Out breaks | No Out breaks |
| ○ Morbidity based on 2wk recall | Morbidity= 29.2 (20.0-38.6) | Morbidity= 42.5 |
| ○ Immunization status/Vit. A | 93.9(91.6-96.1) | 89.4 |
| ○ Children eating from <4 fdgps | N/A | N/A |
| ○ Children meeting min. feeding freq. | N/A | N/A |
| Public Health Indicators; Gender | N/A | N/A |
| ○ Households (HH) accessing safe water | N/A | N/A |
| ○ HH accessing sanitation facilities | N/A | N/A |
| ○ Relation between GAM & child sex | Statistically Insignificant | Statistically Insignificant |
| ○ Relation between GAM & sex of hh head | Statistically Insignificant | Statistically Insignificant |
| Proportion of hh consuming <4 fd gps | NA | NA |
| Food Security Phase | Stressed/Crisis | Stressed |
| Overall Risk to Deterioration | UNSTABLE | UNSTABLE |

| Outcome indicators | GEDO North RIVERINE, Summary of Findings | |
|---|--|--|
| | Gu'12 N= 757 | Deyr'12/13, N=581 |
| Child Nutrition status | | |
| ○ GAM (WHZ<-2 or oedema) | 22.5 (19.2-26.1) | 15.5(11.1-21.1) |
| ○ SAM (WHZ<-3 or oedema) | 6.1(4.3-8.5) | 3.8(2.3-6.1) |
| ○ 0 | 0 | 0.2 |
| ○ Mean Weight-for Height Z (WHZ scores) | -1.16 ± 1.11 | -0.85 ±1.09 |
| ○ MUAC (<12.5 cm or oedema) | 9.2(6.4-12.9) | 8.3(6.3-10.8) |
| ○ Severe MUAC (<11.5cm) | 0.9 (0.4-2.4) | 0.8 (0.4-2.0) |
| ○ HIS Nutrition Trends | High (>20%) and decreasing trends | High (>30%) and increasing trends |
| ○ TFPs/SFPs Admission trends | High levels and decreasing in the region | High levels and increasing |
| Crude death Rate/10,000/day (90days) | 0.21 (0.11-0.42) | 0.67 (0.34-1.32) |
| Under 5 death Rate/10,000/day (90days) | 1.16 (0.57- 2.32) | 0.71 (0.27-1.83) |
| Non-pregnant women with MUAC <18.5 cm | 0.6 (0.0-0.19) | 0.7 (0.0-1.70) |
| Pregnant & Lactating women with MUAC<21.0 cm | 4.3 (2.6-6.1) | 6.2 (3.1-8.5) |
| Pregnant & Lactating women with MUAC<23.0 cm | 24.9 (19.4-30.4) | 30.1 (23.5-36.7) |
| OVERALL NUTRITION SITUATION | Very Critical | Critical |
| Child Morbidity, Immunization, IYCF | N/A | |
| ○ Disease Outbreaks: | No-Outbreak : Suspected measles reported | No-Outbreak : Suspected measles reported |
| ○ Morbidity based on 2wk recall | Morbidity= 25.9 | Morbidity= 27.0 |
| ○ Immunization status/Vit. A | 93.2 (91-95.4) | 81.2 |
| ○ Children eating from <4 fdgps | N/A | N/A |
| ○ Children meeting min. feeding freq. | N/A | N/A |
| Public Health Indicators; Gender | N/A | N/A |
| ○ Households (HH) accessing safe water | N/A | N/A |
| ○ HH accessing sanitation facilities | N/A | N/A |
| ○ Relation between GAM & child sex | Statistically Insignificant | Statistically Insignificant |
| ○ Relation between GAM & sex of hh head | Statistically Insignificant | Statistically Insignificant |
| Proportion of hh consuming <4 fd gps | NA | NA |
| Food Security Phase | Stressed/Crisis | Stressed |
| Overall Risk to Deterioration | UNSTABLE | UNSTABLE |

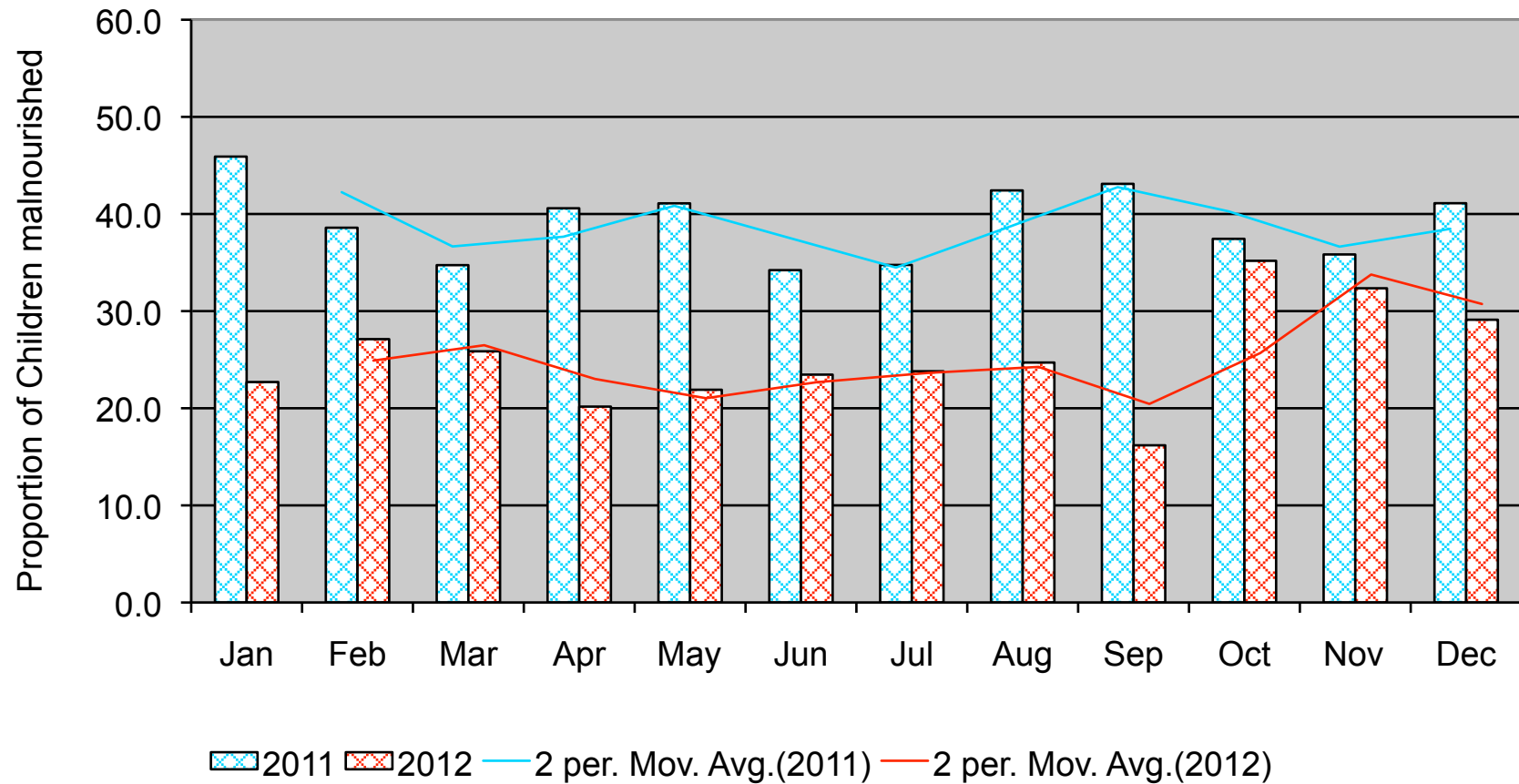


| Outcome indicators | GEDO North Agro-pastoral, Summary Findings | GEDO North Agro-pastoral, Summary of Findings |
|---|--|---|
| | Gu'12 | Deyr'12/13, N=567 |
| Child Nutrition status | | |
| ○ GAM (WHZ<-2 or oedema) | N/A | 13.6(10.7-17.1) |
| ○ SAM (WHZ<-3 or oedema) | N/A | 2.1 (1.1-4.1) |
| ○ Oedema | N/A | 0 |
| ○ Mean Weight-for Height Z (WHZ scores) | N/A | -0.76±1.06 |
| ○ MUAC (<12.5 cm or oedema) | N/A | 17.8(14.7-21.1) |
| ○ Severe MUAC (<11.5cm) | N/A | 1.6 (0.8-3.0) |
| ○ HIS Nutrition Trends | High (>30%) and increasing trends (Jan.- July.'12) | High (>30%) and stable trends (July.- Dec'12) |
| ○ TFPs/SFPs Admission trends | High levels and increasing in the region | High levels and increasing in the region |
| Crude death Rate/10,000/day (90days) | N/A | 1.45 (0.82-2.56) |
| Under 5 death Rate/10,000/day (90days) | N/A | 3.66 (1.94-6.70) |
| Non-pregnant women with MUAC <18.5 cm | NA | 9.1(11.6-49.5) |
| Pregnant & Lactating women with MUAC<21.0 cm | N/A | |
| Pregnant & Lactating women with MUAC<23.0 cm | 41.9 (30.2-53.5) | 19.4 (14.6-24.2) |
| OVERALL NUTRITION SITUATION | Likely Very Critical | Serious |
| Child Morbidity, Immunization, IYCF | N/A | |
| ○ Disease Outbreaks: | Outbreak : Suspected measles reported | No Out breaks |
| ○ Morbidity based on 2wk recall | Morbidity – 36.6 | Morbidity= 29.2 |
| ○ Immunization status/Vit. A | N/A | 90.8 |
| ○ Children eating from <4 fdgps | N/A | N/A |
| ○ Children meeting min. feeding freq. | N/A | N/A |
| Public Health Indicators; Gender | N/A | N/A |
| ○ Households (HH) accessing safe water | N/A | N/A |
| ○ HH accessing sanitation facilities | ?? | N/A |
| ○ Relation between GAM & child sex | Statistically Insignificant | Statistically Insignificant |
| ○ Relation between GAM & sex of hh head | Statistically Insignificant | Statistically Insignificant |
| Proportion of hh consuming <4 fd gps | NA | NA |
| Food Security Phase | Stressed/Crisis | Stressed |
| Overall Risk to Deterioration | UNSTABLE | UNSTABLE |

| Outcome indicators | Dolow IDPs, Summary of Findings | |
|---|--|--|
| | Gu'12, N=579 | Deyr'12/13, N=627 |
| Child Nutrition status | | |
| ○ GAM (WHZ<-2 or oedema) | 22.0 | 24.9 |
| ○ SAM (WHZ<-3 or oedema) | 7.5 | 5.4 |
| ○ Oedema | 0.8 | 1.0% |
| ○ Mean Weight-for Height Z (WHZ scores) | -1.26±1.12 | -1.04±1.18 |
| ○ MUAC (<12.5 cm or oedema) | 13.8(11.7-16.0) | 8.7 |
| ○ Severe MUAC (<11.5cm) | 3.0 (2.1-4.3) | 2.8 |
| ○ HIS Nutrition Trends | High (>20%) and increasing trends (Jan.- June.'12) | High (>20%) and increasing trends (July.- December'12) |
| ○ TFPs/SFPs Admission trends | High levels and increasing | High levels and increasing |
| Crude death Rate/10,000/day (90days) | 0.60 | 1.27 |
| Under 5 death Rate/10,000/day (90days) | 0.80 | 2.87 |
| Non-pregnant women with MUAC <18.5 cm | 0 | 0.3 |
| Pregnant & Lactating women with MUAC<21.0 cm | 4.8 | 8.6 |
| Pregnant & Lactating women with MUAC<23.0 cm | 24.1 | 46 |
| OVERALL NUTRITION SITUATION | Very Critical | Very Critical |
| Child Morbidity, Immunization, IYCF | | |
| ○ Disease Outbreaks: | No Out breaks | No outbreak |
| ○ Morbidity based on 2wk recall | Morbidity= 29.2 | Morbidity=40.2 |
| ○ Immunization status/Vit. A | 90.8 | 91.6 |
| ○ Children eating from <4 fdgps | N/A | N/A |
| ○ Children meeting min. feeding freq. | N/A | N/A |
| Public Health Indicators; Gender | N/A | N/A |
| ○ Households (HH) accessing safe water | N/A | N/A |
| ○ HH accessing sanitation facilities | N/A | N/A |
| ○ Relation between GAM & child sex | Statistically Insignificant | Statistically Insignificant |
| ○ Relation between GAM & sex of hh head | Statistically Insignificant | Statistically Insignificant |
| Proportion of hh consuming <4 fd gps | NA | NA |
| Food Security Phase | Stressed/Crisis | Stressed |
| Overall Risk to Deterioration | UNSTABLE | UNSTABLE |

| Outcome indicators | SIP GEDO Pastoral, Summary of Findings | | |
|---|--|--|--|
| | Deyr'11/12, N=593 | Gu'12, (SIP) | Deyr'12/13, (SIP), N=1110 |
| Child Nutrition status | | | |
| ○ GAM (WHZ<-2 or oedema) | 26.4 (18.5-26.1) | NA | NA |
| ○ SAM (WHZ<-3 or oedema) | 4.4 (3.0-6.3) | N/A | NA |
| ○ Oedema | -1.18±1.14 | N/A | NA |
| ○ Mean Weight-for Height Z (WHZ scores) | 0 | N/A | NA |
| ○ MUAC (<12.5 cm or oedema) | 10.8(7.3- 6.3) | NA | 23.5(18.9 – 28.1) |
| ○ Severe MUAC (<11.5cm) | 1.6(0.9- 3.0) | NA | 3.0 (1.9- 4.0) |
| ○ HIS Nutrition Trends | High (>30%) and increasing trends (Sept-Dec.'10 | High (20%) and decreasing trends (Jan-June.'12) | High (30%) and stable trend |
| ○ TFPs/SFPs Admission trends | High levels and increasing admission trends in the region | High levels and decreasing admission trends in the Pastoral livelihood | High levels and decreasing admission trends in the Pastoral livelihood |
| Crude death Rate/10,000/day (90days) | 0.44 (0.23-0.83) | NA | NA |
| Under 5 death Rate/10,000/day (90days) | 1.27 (0.53-3.04) | NA | NA |
| OVERALL NUTRITION SITUATION | Very Critical | No sufficient data to classify | Likely Very Critical |
| Child Morbidity, Immunization, IYCF | | | |
| ○ Disease Outbreaks: | No Out breaks- suspected measles reported; 412 AWD cases reported in Nov.'10 | No Out breaks- suspected measles reported | Disease outbreaks- suspected measles reported |
| ○ Morbidity based on 2wk recall | Morbidity=40.8 | | |
| ○ Immunization status/Vit. A | Measles 88.4 ,Vit A :86.0 | N/A | NA |
| ○ Children eating from <4 fdgps | 95.8 | N/A | NA |
| ○ Children meeting min. feeding freq. | 23.4 | N/A | NA |
| Public Health Indicators; Gender | N=390 | N/A | NA |
| ○ Households (HH) accessing safe water | 10.3 | N/A | NA |
| ○ HH accessing sanitation facilities | 17.7 | N/A | NA |
| ○ Relation between GAM & child sex | Insignificant | NA | NA |
| ○ Relation between GAM & sex of hh head | Insignificant | NA | NA |
| Proportion of hh consuming <4 fd gps | 31.0 | NA | NA |
| Food Security Phase | AFLC/GFI | Stressed/Crisis | Stressed |
| Overall Risk to Deterioration | UNCERTAIN | UNCERTAIN | UNCERTAIN |

HIS Malnutrition Trends in Gedo Pastoral MCHs - Deyr'12/ 13

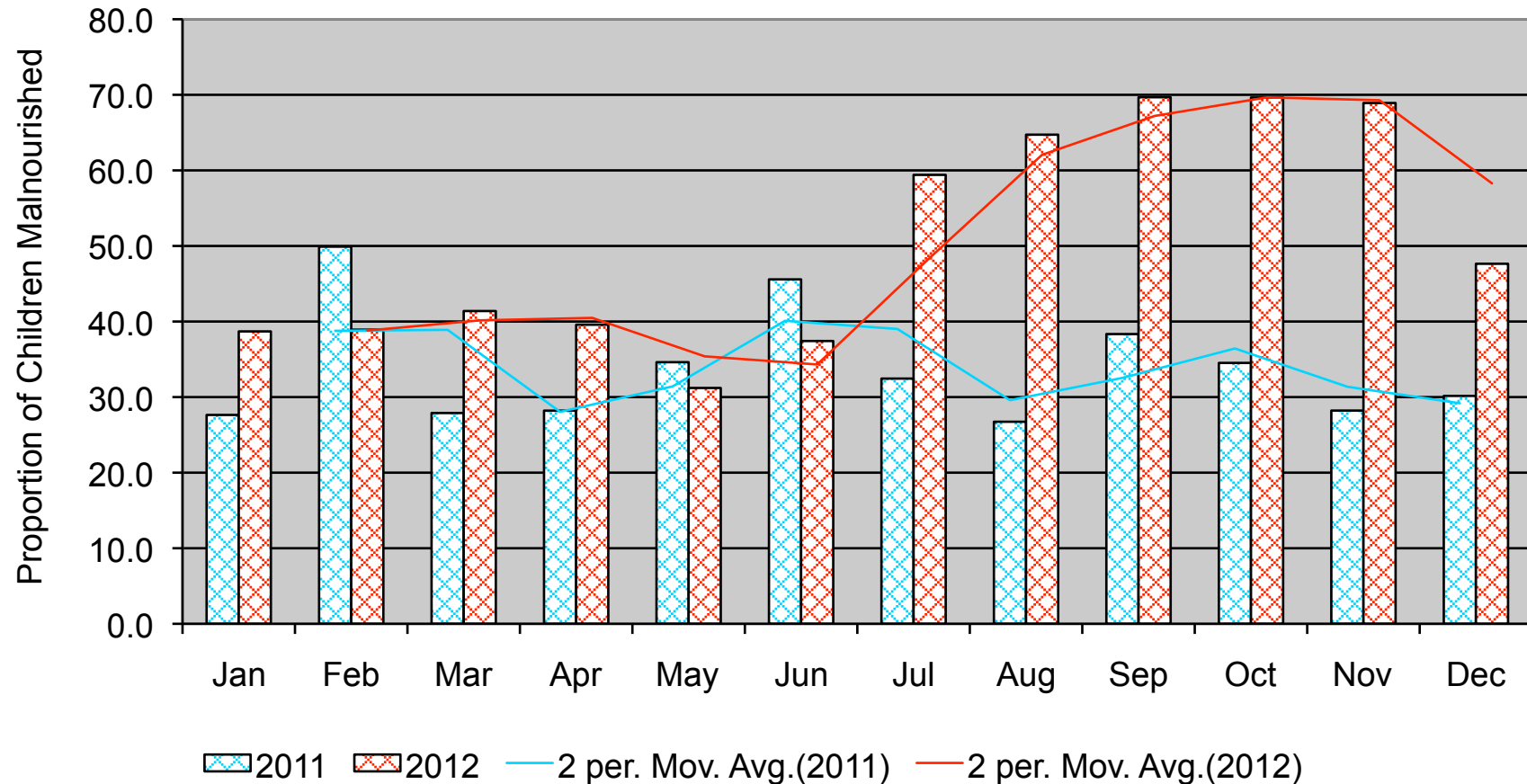


Low (<30%) and Stable trend

| Outcome indicators | South GEDO RIVERINE, Summary of Findings | | |
|---|--|--|--|
| | Deyr'11/12 | Gu'12 (BWIP) | Deyr'12/13 N=1100 |
| Child Nutrition status | | N/A | N/A |
| ○ GAM (WHZ<-2 or oedema) | N/A | N/A | N/A |
| ○ SAM (WHZ<-3 or oedema) | N/A | N/A | N/A |
| ○ Oedema | N/A | N/A | N/A |
| ○ Mean Weight-for Height Z (WHZ scores) | N/A | N/A | N/A |
| ○ MUAC (<12.5 cm or oedema) | N/A | N/A | 21.8 (16.6-26.9) |
| ○ Severe MUAC (<11.5cm) | N/A | N/A | 3.6 (2.0-5.2) |
| ○ HIS Nutrition Trends | High (>25%) and increasing trends | High (>20%) and decreasing trends | High (>40%) and decreasing trends |
| ○ TFPs/SFPs Admission trends | High levels and increasing in the region | High levels and decreasing in the region | High levels and decreasing in the region |
| Crude death Rate/10,000/day (90days) | N/A | N/A | NA |
| Under 5 death Rate/10,000/day (90days) | N/A | N/A | NA |
| OVERALL NUTRITION SITUATION | No sufficient data to classify | No sufficient data to classify | Likely Very Critical |
| Child Morbidity, Immunization, IYCF | N/A | N/A | NA |
| ○ Disease Outbreaks: | N/A | No-Outbreak : Suspected measles reported | No-Outbreak : Suspected measles reported |
| ○ Morbidity based on 2wk recall | | | |
| ○ Immunization status/Vit. A | N/A | N/A | N/A |
| ○ Children eating from <4 fdgps | N/A | N/A | N/A |
| ○ Children meeting min. feeding freq. | N/A | N/A | N/A |
| Public Health Indicators; Gender | N/A | N/A | N/A |
| ○ Households (HH) accessing safe water | N/A | N/A | N/A |
| ○ HH accessing sanitation facilities | N/A | N/A | N/A |
| ○ Relation between GAM & child sex | NA | NA | NA |
| ○ Relation between GAM & sex of hh head | NA | NA | NA |
| Proportion of hh consuming <4 fd gps | NA | NA | NA |
| Food Security Phase | Emergency | Emergency | Stressed |
| Overall Risk to Deterioration | UNCERTAIN | UNCERTAIN | UNCERTAIN |

HIS Malnutrition Trends in Gedo Riverine MCHs - Deyr' 12/13

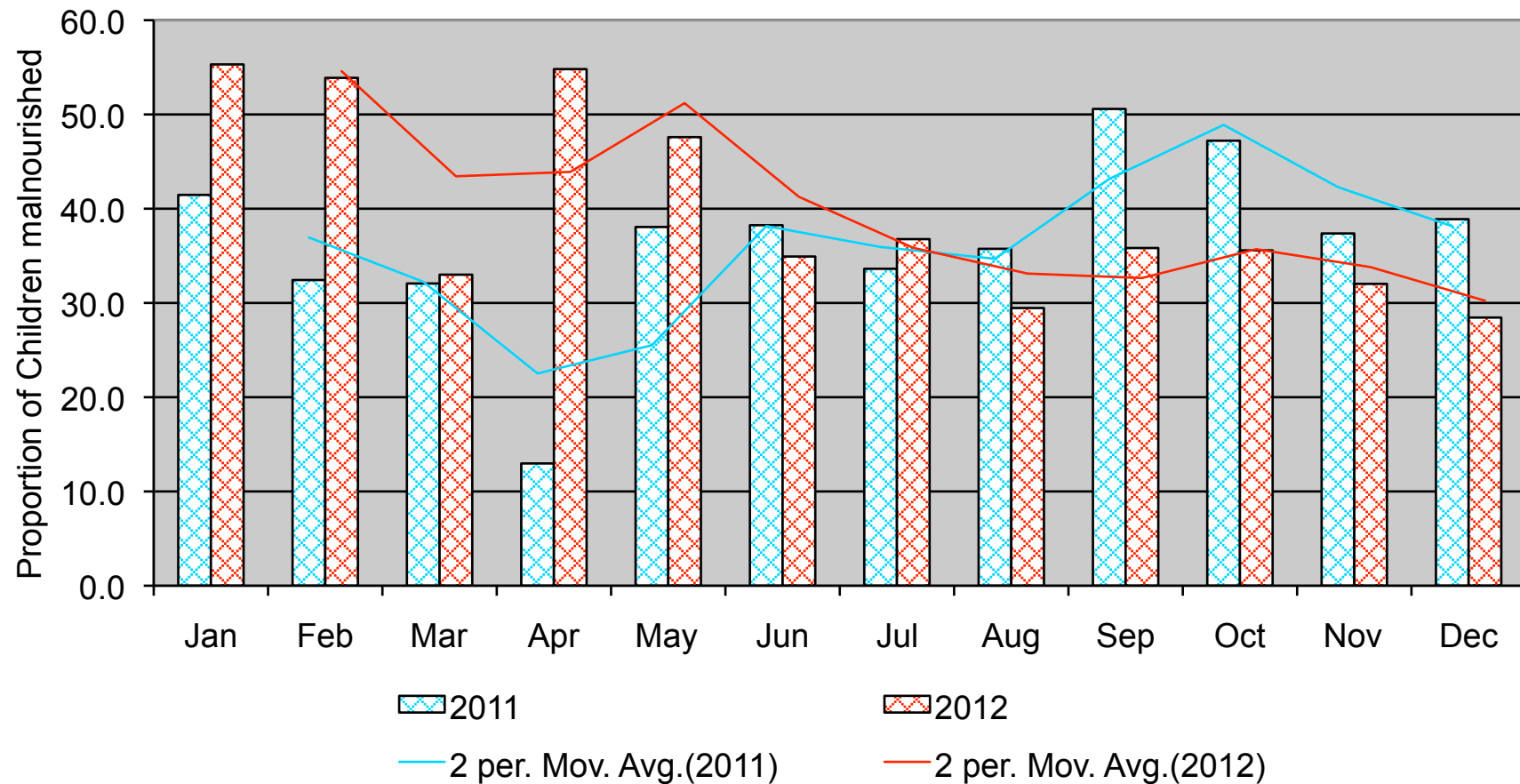
Data Source: Trocare, SRCS,HIRDA



High (>40%) and decreasing trends

| Outcome indicators | SOUTH GEDO Agro-Pastoral, Summary of Findings | | |
|---|--|--|--|
| | Deyr'11/12 | Gu'12 | Deyr'12/13 N=1200 |
| Child Nutrition status | | N/A | N/A |
| o GAM (WHZ<-2 or oedema) | N/A | N/A | N/A |
| o SAM (WHZ<-3 or oedema) | N/A | N/A | N/A |
| o Oedema | N/A | N/A | N/A |
| o Mean Weight-for Height Z (WHZ scores) | N/A | N/A | N/A |
| o MUAC (<12.5 cm or oedema) | N/A | N/A | 21.5 (17.0-26.1) |
| o Severe MUAC (<11.5cm) | N/A | N/A | 3.5 (2.5-4.5) |
| o HIS Nutrition Trends | High (>25%) and increasing trends (July.- Dec.'11) | High (>30%) and increasing trends (Jan.- July.'12) | High (>30%) and increasing trends (Jan.- July.'12) |
| o TFPs/SFPs Admission trends | High levels and increasing in the region | High levels and increasing in the region | High levels and increasing in the region |
| Crude death Rate/10,000/day (90days) | N/A | N/A | N/A |
| Under 5 death Rate/10,000/day (90days) | N/A | N/A | N/A |
| OVERALL NUTRITION SITUATION | No sufficient data | No sufficient data | Likely Very Critical |
| Child Morbidity, Immunization, IYCF | N/A | N/A | N/A |
| o Disease Outbreaks: | N/A | Outbreak : Suspected measles reported | Outbreak : Suspected measles reported |
| o Morbidity based on 2wk recall | | Morbidity NA | Morbidity NA |
| o Immunization status/Vit. A | N/A | NA | NA |
| o Children eating from <4 fdgps | N/A | N/A | N/A |
| o Children meeting min. feeding freq. | N/A | N/A | N/A |
| Public Health Indicators; Gender | N/A | N/A | N/A |
| o Households (HH) accessing safe water | N/A | N/A | N/A |
| o HH accessing sanitation facilities | N/A | N/A | N/A |
| o Relation between GAM & child sex | N/A | N/A | N/A |
| o Relation between GAM & sex of hh head | NA | NA | NA |
| o Proportion of hh consuming <4 fd gps | NA | NA | NA |
| Food Security Phase | AFLC/Crisis, HE/Emergency | Emergency | Stressed |
| Overall Risk to Deterioration | UNSTABLE | Potential to improve | stable |

HIS Malnutrition Trends in Gedo Agropastoral MCHs - Deyr'12/13



High (>30%) and increasing

Driving factors

- **Mitigation factors**
 - Rehabilitation of severely malnourished children through the OTP.
 - Humanitarian interventions – health, wash and nutrition services provided in the urban
 - Improved milk access in the regions
 - Social support

- **Aggravating factors**
 - Poor access to sanitation facilities and clean water in all livelihoods, exposing the population to water born diseases
 - Limited access to health facility among the rural people
 - High morbidity levels and poor health seeking behaviors including AWD and suspected measles
 - Poor access of milk to IDPs
 - Low immunization and vitamin A supplementation status
 - High civil insecurity

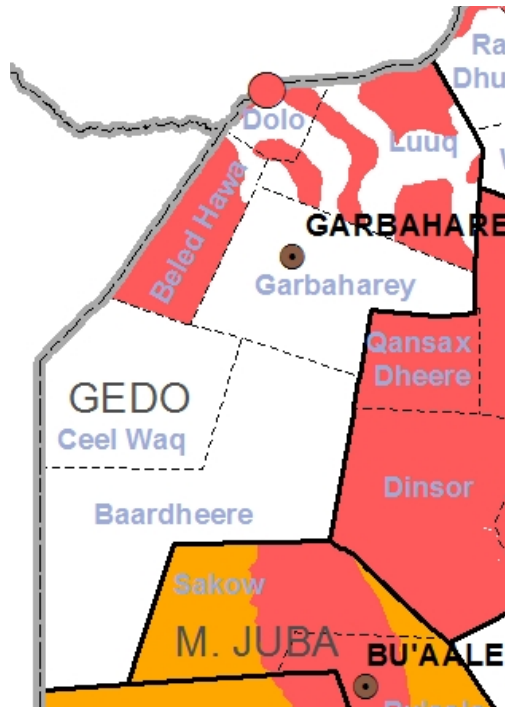


FSNAU

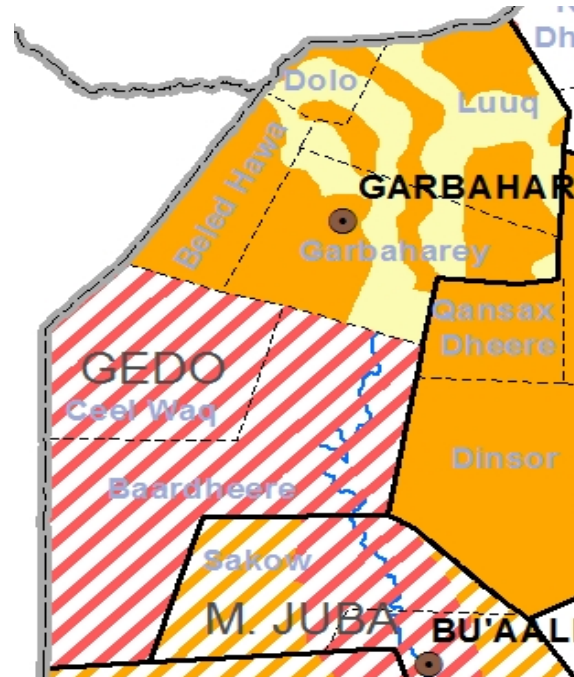
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Nutrition Situation Estimates - Gedo Regional Maps

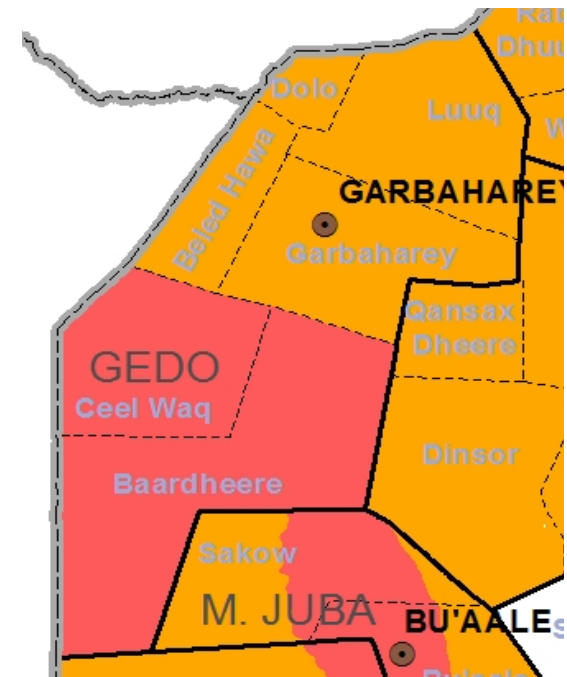
Nutrition Situation Estimates,
August 2012



Nutrition Situation Estimates,
Jan 2013



Nutrition Situation- Projection, Feb-
April- 2013



Nutrition Outlook, February-April; 2013: The projected nutrition situation in February- April 2013 shows the nutrition situation will remain unchanged with civil insecurity and food security factors such as access to milk influencing the overall situation in the region.

The End

Thanks

Mohammed Borle

Ibrahim Mohamed

Bashir Osman