



# 2017 Somalia Post *Deyr* Seasonal Food Security and Nutrition Assessment Key Findings

## 29 January 2018, Mogadishu









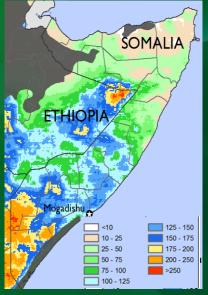
- Improved rainfall during 2017 Deyr (Oct-Dec) season has eased drought conditions in many parts of Somalia. However, the Deyr rains were mostly below average to near average and the 2018 Gu rains are also forecast to be below average
- Large scale and sustained humanitarian interventions and seasonal improvement due to *Deyr* season rains have reduced the risk of Famine in Somalia through mid-2018 but needs for assistance remain high and critical
- An estimated <u>301 000</u> children under the age of five are acutely malnourished, including <u>48 000</u> who are severely malnourished
- Over <u>2.7 million</u> people face acute food security Crisis and Emergency (IPC Phases 3 & 4) between now and June 2018. Approximately <u>2.7 million</u> people are Stressed (IPC Phase 2), bringing the total number of people in need (IPC Phases 2, 3 and 4 combined) through June 2018 to <u>5.4 million</u>



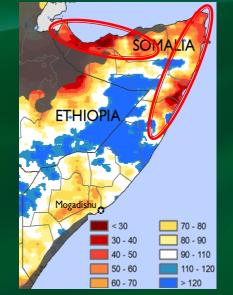
## 2017 Deyr (Oct-Dec) Rainfall Performance



#### Oct–Dec 2017 Rainfall in MM/CHIRPS

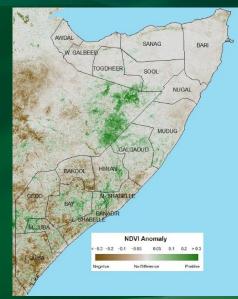


Oct–Dec 2017 Rainfall as % of Normal/CHIRPS



20-30 Dec 2017 Vegetation Cover (NDVI) Deviation from Normal/EMODIS

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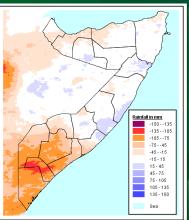


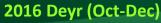
2017 *Deyr* rains started late and ended early and rainfall amounts were below average in parts of northwest and northeast

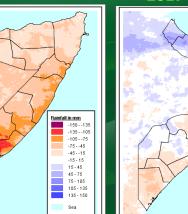
 However, rainfall amounts were near average to above average in most parts of Central and Southern Somalia

Improved rainfall during 2017 *Gu* and *Deyr* have eased drought conditions in many areas

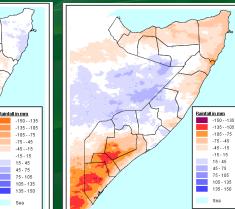
#### 2016 Gu (Apr-Jun)







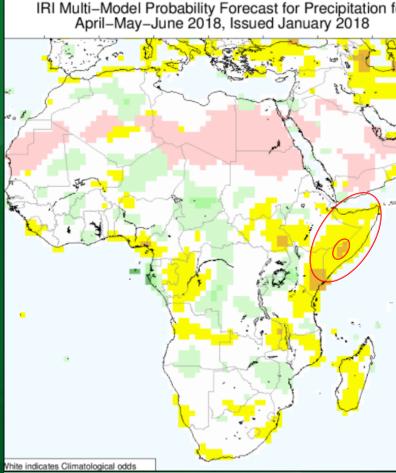




2017 Deyr (Oct-Dec)







70+

- IRI multi-model probability forecasts indicate a 40 percent chance of below normal 2018 *Gu* (April-June) rains in most parts of Somalia
- In parts of Bay and Bakool, chance of below normal *Gu* rains in 2018 is 50 percent
- As a result, pasture and water availability, crop cultivation, livestock reproduction, access to agricultural employment, water and food prices are expected to be adversely impacted

70+

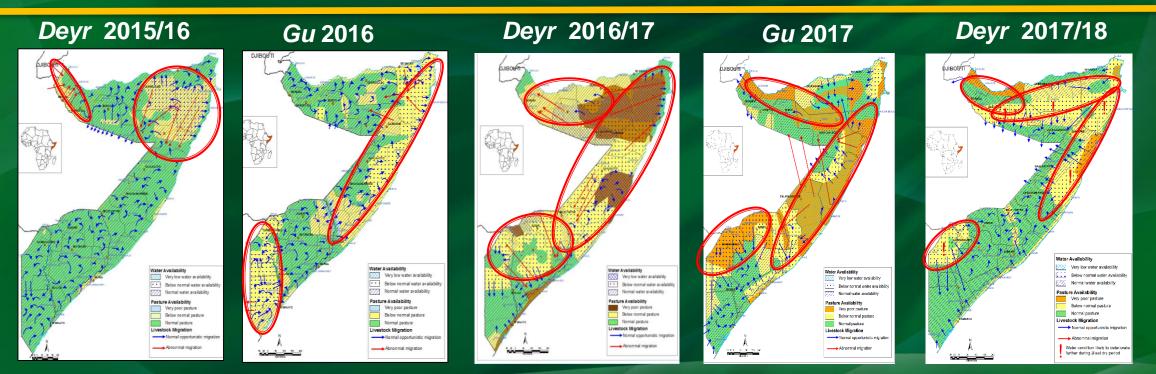
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#### **Impact on Pasture and Water**





- The extent and severity of drought conditions has declined in most parts of the country
- However, poor pasture and water conditions still persist and are expected to deteriorate further during the dry *Jilaal* (Jan-Mar) season in parts of northern Somalia and parts of Gedo region in the South





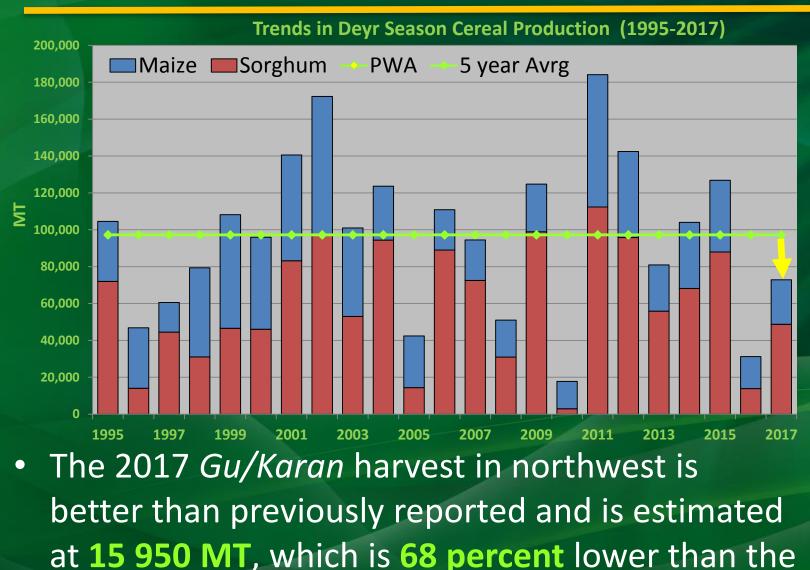
- Increased availability of pasture and water have improved livestock body conditions in most livelihoods
- Milk availability is also expected to improve in most areas through mid 2018 as livestock that conceived during the previous season start giving birth
- However, herd size remains below baseline in most northern and central livelihoods due to drought related losses sustained in early to mid 2017
- In northern pastoral livelihoods that currently have poor pasture and water, further deterioration is expected in livestock body conditions, production and reproduction until the start of the *Gu* rains in April



average for 2010-16

## **Impact on Crop Production**





In southern Somalia the 2017 *Deyr* season cereal production is estimated at 78 100 MT, including 5 200 MT off-season harvest expected in February/March.

 This level of production is 21-22 percent lower than the long-term average (1995-2016) and the five year average (2012-16).





- Livestock prices have declined seasonally following the end of the high demand associated with Hajj (September) festivities
- Somali Shilling/Somaliland Shilling depreciated significantly in the north due to increased supply of newly printed local currency notes and low export revenue due to reduced livestock exports
- Prices of maize and sorghum have been declining in many areas but remain above the average for the past five years
- Prices of imported commodities were generally stable but increased modestly in north and central regions due to local currency depreciation
- Consumer Price Index (CPI) declined or remained stable in recent months except in northern regions where it has increased due to inflationary pressures



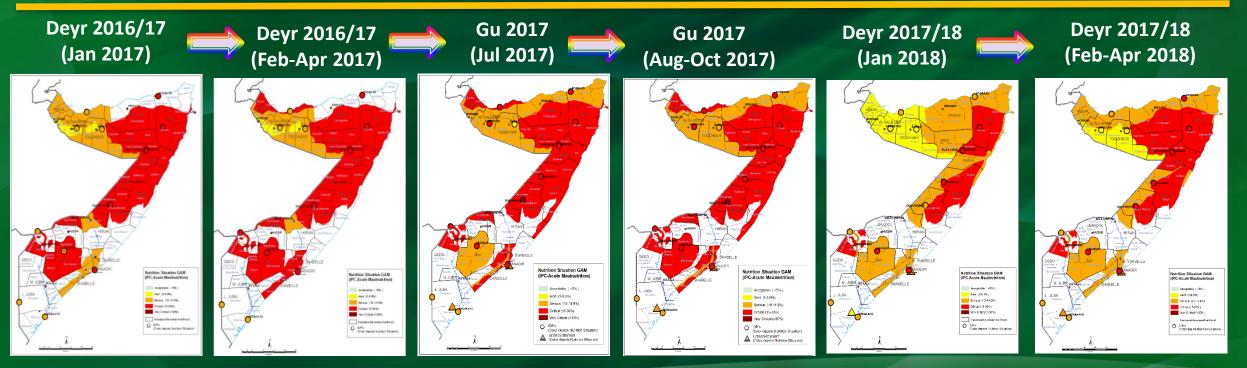


- Due to below-average 2017 *Deyr* production, domestic supply of cereals is expected to be below average but better than it has been in 2017
- Maize and sorghum prices are expected to decline through March and start rising in April, consistent with seasonal trends, but prices will likely remain above average
- Commercial food imports are expected to increase and prices are expected to remain generally stable, except in northern regions where prices are expected to increase due to the continued impact of local currency depreciation
- Livestock prices will seasonally increase starting in April as demand increase due to the Ramadan fasting period



#### **Recent Trends in Acute Malnutrition in Somalia**





- The nutrition situation has improved in most livelihoods since the previous season due to a combination of sustained humanitarian assistance and improved food security, including reduced outbreak of diseases
- At national level, median prevalence of acute malnutrition has improved from Critical (17.4% GAM) in *Gu* 2017 to Serious (13.8% GAM) in *Deyr* 2017



## 2017/18 *Deyr* Season Nutrition Results Summary



		Per 10 00		per Day		
Population Groups	GAM (%)	SAM (%)	CDR	U5DR	Morbidity (%)	
	NORT	H WEST				
Guban Pastoral	6.6	0.5	0.99	0.44	19.4	
West Golis	6.3	0.6	0.98	0.92	19.7	
NW Agropastoral	8.8	1.7	0.69	0.44	20.5	
Hargeisa IDPs	8.6	1.7	0.62	0.60	27.6	
Berbera IDPs	10.9	2.3	0.79	0.40	31.1	
Burao IDPs	8.5	1.7	0.94	0.00	6.8	
Northern Inland Pastoral of Northwest	14.1	3.1	0.47	1.33	22.6	
Hawd Pastoral of Northwest	6.8	1.4	0.62	0.63	13.8	
East Golis	10.3	1.3	0.20	0.00	25.8	
N	ORTH EAST	AND CENT	RAL			
Bosasso IDPs	14.7	2.3	0.06	0.11	20.0	
Northern Inland Pastoral of Northeast	15.6	1.5	0.11	0.00	41.2	
Hawd Pastoral of Northeast	14.5	2.8	0.51	0.45	62.0	
Qardho IDPs	21.9	2.7	0.34	1.06	43.7	
Coastal Deeh	13.8	1.6	0.13	0.15	40.6	
Garowe IDPs	17.6	2.9	0.27	0.29	18.8	
Galkacyo IDPs	21.8	4.8	0.21	0.40	48.9	
Dhusamareb IDPs	14.8	3.6	0.73	1.04	45.0	
Addun Pastoral	17.9	2.3	0.65	0.87	40.0	
	SO	UTH				
Shabelle Riverine	13.2	2.9	0.58	0.57	40.5	
Shabelle Agropast	13.8	3.3	0.40	0.61	32.1	
Mogadishu urban	11.2	1.3	0.26	0.25	37.0	
Mogadishu IDPs	16.1	4.1	0.79	1.77	44.1	
Bay Agropastoral	11.1	1.5	0.60	0.60	16.1	
Baidoa IDPs (Bay)	15.1	3.5	0.58	1.01	11.1	
Dolow IDPs	13.9	2.0	0.30	0.86	10.2	
North Gedo pastoral	15.7	1.8	0.27	0.63	16.5	
North Gedo Riverine	14.5	1.1	0.29	0.69	21.0	
Dobley IDPs	13.3	1.8	0.41	0.83	29.6	
Kismayu Urban	8.8	1.2	0.36	0.62	12.4	
Kismayu IDPs	13.5	3.6	0.32	0.72	13.6	

Global Acute Malnutrition (GAM) prevalence is Critical (≥15%) in **only 8 out of 30** population groups surveyed in November-December 2017 compared to **20 out of 31** population groups surveyed in June-July 2017

Severe Acute Malnutrition (SAM) prevalence is Critical (≥4-5.6) only among IDPs in Mogadishu and Galkacyo

During *Deyr* 2017, Crude Death Rates (CDR) were below 1 per 10 000 per day **in all 30 surveys** compared to **5 out of 31** during *Gu* 2017

Under-Five Death Rate (U5DR) rates were also below 2 per 10 000 per day **in all 30 surveys** compared to **5 out of 31** during *Gu* 2017



## 2017/18 Deyr Season Risk Factors Related to Acute Malnutrition



									Summary of Factors		
Population Group Assessed		Severe Acute Malnutrition -SAM Prevalence (%)	Childhood Illness (Morbidity) ≥ 20% of children 6-59 months	Measles vaccination <50% of children 6-59 months	VIT A Supplement ation < 50% children 6-59 months	Poor/ Borderline food consumption in ≥ 20% of HHs	≥ 15% of HHs experienced Moderate to Severe Hunger	≥ 20 of HHs using Medium to High Coping Strategies	Morbidity, vaccination and Vitamin A supplementa tion are important	Food Security related factors are important	
Guban Pastoral	6.6	0.5	19.4	33.3	30	53	24	53	Yes	Yes	
West Golis	6.3	0.6	19.7	48.4	46.4	46	24	58		Yes	
NW Agropastoral	8.8	1.7	20.5	29.1	34.2	44	23	39	Yes	Yes	
Hargeisa IDPs (W. Galbeed)	8.6	1.7	27.6	31.6	36.4	55	13	50	Yes		
Berbera IDPs (W. Galbeed)	10.9	2.3	31.1	60.6	50.2	42	9	48	Yes		
Burao IDPs (Toghdeer)	8.5	1.7	6.8	92.6	87.8	23	28	37		Yes	
Northern Inland Pastoral NW	14.1	3.1	22.6	67.1	62	20	56	47	Yes	Yes	
Hawd Pastoral NW	6.8	1.4	13.8	55.8	64.3	47	35	57	Yes	Yes	
East Golis	10.3	1.3	25.8	53.4	63.4	52	31	42	Yes	Yes	
Bosasso IDPs (Bari)	14.7	2.3	20.0	57	76.3	16	18	34	Yes		
Northern Inland Pastoral NE	15.6	1.5	41.2	54.7	55	12	2	35	Yes		
Hawd Pastoral NE	14.5	2.8	62.0	44.1	50.8	17	25	47	Yes		
Qardho IDPs (Bari)	21.9	2.7	43.7	20.2	21.4	9	3	13	Yes		
Coastal Deeh NE	13.8	1.6	40.6	60.4	57.5	24	27	41	Yes	Yes	
Garowe IDPs (Nugaal)	17.6	2.9	18.8	64.1	64.5	12	8	25	Yes		
Galkacyo IDPs (Mudug)	21.8	4.8	48.9	86.4	83.4	39	35	82	Yes	Yes	
Dhusamareb IDPs (Galgadud)	14.8	3.6	45.0	63.8	63.6	35	47	29	Yes	Yes	
Addun Pastoral	17.9	2.3	40.0	70.7	72.4	35	16	39	Yes		
Shabelle Riverine	13.2	2.9	40.5	42.3	40.2	2	27	36	Yes		
Shabelle Agropastoral	13.8	3.3	32.1	18.1	16.6	1	19	31	Yes		
Mogadishu urban (Banadir)	11.2	1.3	37.0	59.7	52.5	0	2	9	Yes		
Mogadishu IDPs (Banadir)	16.1	4.1	44.1	47.9	45.8	17	41	52	Yes		
Bay Agropastoral	11.1	1.5	16.1	9.5	6.2	71	9	36	Yes		
Baidoa IDPs (Bay)	15.1	3.5	11.1	23.7	23.7	93	32	48	Yes	Yes	
Dolow IDPs (N Gedo)	13.9	2.0	10.2	34.1	15.6	30	17	52	Yes	Yes	
North Gedo pastoral	15.7	1.8	16.5	34.8	13.3	16	17	48	Yes		
North Gedo Riverine	14.5	1.1	21.0	52.1	43.8	10	29	37	Yes		
Dobley IDPs (L. Juba)	13.3	1.8	29.6	47.4	59.7	21	17	24	Yes	Yes	
Kismayu Urban (L. Juba)	8.8	1.2	12.4	77.3	77.3	0	19	34		Yes	
Kismayu IDPs (L. Juba)	13.5	3.6	13.6	54.6	45.8	3	67	64	Yes	Yes	
Note: Highlighted cells are the	ose that exce	ed threshold	ls stated in th	e headings o	of each colum	n					

Nutrition outcomes are associated with disease, health and food security related risk factors

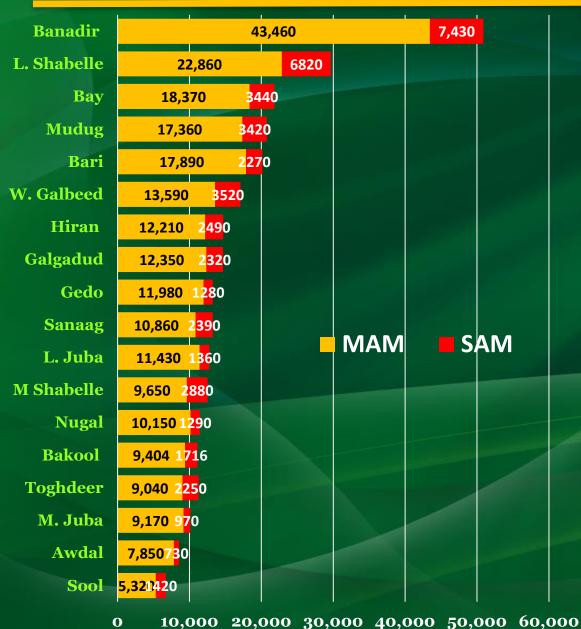
 Disease and health related risk factors are widespread across the country

Food insecurity is also important risk factor for acute malnutrition in many parts of Somalia



#### Estimated Number of Acutely Malnourished Children by Region (Based on Prevalence), *Deyr* 2017





- An estimated **301 000** children under the age of five were acutely malnourished (prevalence)
- This includes 253 000 moderately malnourished (MAM) and 48 000 severely malnourished (SAM) children
- There is a significant decrease in the number of acutely malnourished children (GAM) compared to results for *Gu* 2017 and *Deyr* 2016/17 results (by 22% and 17%, respectively)
- There is also a significant decrease in the number of severely malnourished children (SAM) compared to *Gu* 2017 and *Deyr* 2016/17 assessments (45% and 33%, respectively)
- Note: For operational, response planning and programming purposes, the acute prevalence estimates shown on the chart need to be translated into estimated acute malnutrition burden which depends on calculating a number of elements but primarily the prevalence, the incidence correction factor and the population figure



- An estimated **301 000** children under the age of five are acutely malnourished, including **48 000** are severely malnourished
- Population groups with Critical prevalances of acute malnutrition (GAM≥15%) or MUAC <125mm in 10.7 percent or more of children are considered "hotspots" in need of urgent nutrition and health support interventions
- Based on the results of the 2017 Deyr season assessment, the following population groups are priority "hotspots":
  - Rural: Guban Pastoral, Northern Inland Pastoral of northwest and northeast, Hawd Pastoral of northwest and northeast, Coastal Deeh Pastoral and Fishing of northeast, Shabelle Agropastoral, Bakool Pastoral, North Gedo Pastoral and North Gedo Riverine;
  - IDP: Hargeysa, Berbera, Qardho, Garowe, Galkacyo, Dhusamareb, Mogadishu, Baidoa, Dollow and Kismayo.
- Integrated support interventions should be sustained to prevent further deterioration in the nutrition situation





	Food Co	onsumption (FCS)	n Score		House		Hunger Sc HS)	ore		iced Coping es Index (rCSI)	Livelihood	Nutrition	Morbidity	Mor	tality
Population Group	Acceptable (FCS 42)	Borderline (FCS 28-42)	Poor (FCS < 28)	None (0)	Stressed (1)	Crisis (2-3)	Emergency (4-5)	Catastrophe (6)	Stressed (5-20)	Crisis-emergency (>20)	Change	(GAM, %)	(%)	CDR	U5DR
Guban Pastoral	47%	16%	38%	49%	27%	22%	3%	0%	25%	28%	20%	6.6	19.4	0.99	0.44
NorthWest Agropastoral	56%	21%	23%	66%	12%	18%	5%	0%	39%	0%	56%	8.8	20.5	0.69	0.44
West Golis Pastoral	54%	19%	27%	45%	31%	24%	0%	0%	56%	2%	65%	6.3	19.7	0.99	0.94
East Golis Pastoral	48%	18%	34%	55%	13%	20%	10%	1%	29%	13%	23%	10.3	25.8	0.20	0.00
Northwest Hawd Pastoral	54%	8%	38%	44%	21%	32%	2%	0%	53%	5%	35%	6.8	13.8	0.62	0.63
Northeast Hawd Pastoral	83%	14%	3%	46%	29%	25%	0%	0%	46%	1%	24%	14.5	62.0	0.51	0.45
Northern Inland Pastoral of NW	80%	4%	17%	22%	22%	42%	14%	1%	25%	22%	38%	14.1	22.6	0.47	1.33
Northern Inland Pastoral of NE	88%	11%	1%	93%	6%	2%	0%	0%	35%	0%	21%	15.6	41.2	0.11	0.00
Coastal Deeh Pastoral	76%	22%	1%	63%	10%	27%	0%	0%	41%	0%	30%	13.8	40.6	0.13	0.15
Addun Pastoral	65%	31%	4%	58%	26%	16%	0%	0%	39%	0%	39%	17.9	40.0	0.65	0.87
Shabelle Agropastoral	99%	1%	0%	65%	16%	19%	0%	0%	25%	6%	35%	13.8	32.1	0.40	0.61
Shabelle Riverine	99%	2%	0%	59%	14%	26%	0%	0%	31%	5%	36%	13.2	40.5	0.58	0.57
Bay Agropastoral	29%	56%	14%	66%	25%	9%	0%	0%	33%	3%	39%	11.1	16.1	0.60	0.60
Gedo Pastoral	84%	13%	3%	48%	35%	17%	0%	0%	45%	3%	98%	15.7	16.5	0.27	0.63
Gedo Riverine	90%	6%	4%	28%	44%	29%	0%	0%	36%	2%	22%	14.5	21.0	0.29	0.69
Hargeisa IDPs	45%	27%	28%	66%	21%	10%	1%	1%	50%	0%	85%	8.6	27.6	0.62	0.6
Berbera IDPs	58%	12%	30%	66%	25%	9%	0%	0%	48%	0%	18%*	10.9	31.1	0.79	0.4
Burco IDPs	77%	5%	18%*	46%	26%	26%	1%	1%	37%	0%	28%	8.5	6.8	0.94	0.0
Bossaso IDPs	84%	14%	2%	78%	4%	5%	3%	10%	31%	3%	27%	14.7	20.0	0.06	0.11
Qardho IDPs	91%	9%	0%	78%	19%	3%	0%	0%	12%	1%	94%	21.9	43.7	0.34	1.06
Garowe IDPs	88%	10%	2%	76%	16%	8%	0%	0%	25%	0%	91%	17.6	17.6	0.27	0.29
Galkayo IDPs	61%	38%	1%	15%	51%	34%	1%	0%	82%	0%	61%	21.8	48.9	0.21	0.4
Dhusamareb IDPs	65%	20%	15%	35%	19%	45%	2%	0%	29%	0%	21%	14.8	45.0	0.73	1.04
Mogadishu IDPs	84%	13%	4%	42%	17%	34%	7%	0%	37%	15%	19%*	16.1	44.1	0.79	1.77
Mogadishu Urban	99%	0%	0%	93%	5%	2%	0%	0%	6%	3%	88%	11.2	37.0	0.26	0.25
Baidoa IDPs	7%	36%	57%	26%	42%	31%	1%	0%	44%	4%	25%	15.1	11.1	0.58	1.01
Dollow IDPs	70%	16%	14%	38%	46%	15%	2%	0%	29%	23%	97%	13.9	10.2	0.30	0.86
Dhobley	79%	12%	9%	74%	9%	14%	3%	0%	24%	0%	40%	13.3	29.6	0.41	0.83
Kismayo IDPs	97%	3%	0%	21%	12%	49%	17%	1%	62%	2%	20%	13.5	13.6	0.32	0.72
Kismayo Urban	100%	0%	0%	59%	22%	14%	0%	4%	30%	4%	38%	8.8	12.4	0.36	0.62

Analysis Unit - Somalia

 Food security and nutrition outcome indicators are key parameters used in acute food security phase classification (IPC)

 Food security and nutrition outcome indicators from the 2017 Deyr season assessment reflect the overall improvement in the food security situation in Somalia



### # of Acutely Food Insecure People in Somalia (Post *Deyr* 2017/18)



Current: Jan 2018 (Thousands)									
IPC Phase	Urban	Rural	IDP	Total					
Stressed (IPC 2)	1 339	910	545	2 794					
Crisis (IPC 3)	304	892	270	1 466					
Emergency (IPC 4)	4	132	44	180					
Total in need (Stressed, Crisis &									
Emergency)	1 647	1 934	859	4 440					
Total in Crisis & Emergency	308	1 024	314	1 646					
Crisis & Emergency (% of Total)	19%	62%	19%	100%					

Projection: Feb-Jun 2018 (Thousands)									
IPC Phase	Urban	Rural	IDP	Total					
Stressed (IPC 2)	1 159	<b>1 063</b>	489	2 711					
Crisis (IPC 3)	586	1 210	436	2 232					
Emergency (IPC 4)	4	425	67	496					
Total in need (Stressed, Crisis &									
Emergency)	1 749	2 698	992	5 439					
Total in Crisis & Emergency	590	1 635	503	2 728					
Crisis & Emergency (% of Total)	22%	60%	18%	100%					

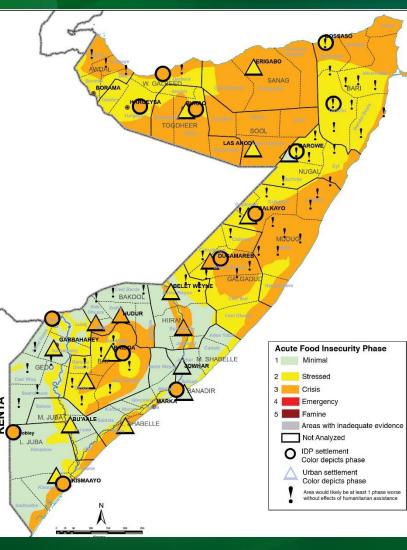
- Currently (Jan 2018), there are more than 4.4 million people in need across Somalia
- This includes, over **1.6 million** in Crisis & Emergency
- Over 5.4 million people will be in need across Somalia from Feb to Jun 2018
- This includes, over 2.7 million facing Crisis & Emergency
- These figure reflect expected deterioration in the food security situation between now and mid-2018



## Current and Projected Acute Food Insecurity in Somalia (January-June 2018)

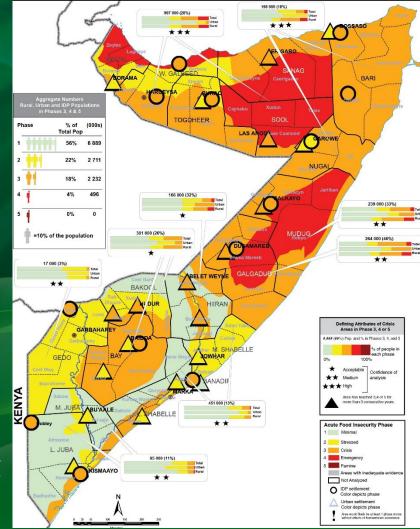


#### Current Food Security Outcomes(January 2018)



- Food assistance had a significant impact on current food security outcomes in many areas
- Food security outcome projections for
   February-June 2018 do not consider the potential impact of
   food assistance that
   may be provided during this period

#### Projected Food Security Outcomes (February-June 2018)

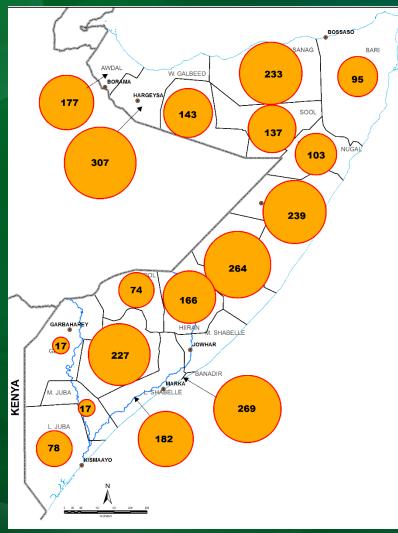




#### Acute Food Insecurity by Region (February-June 2018)



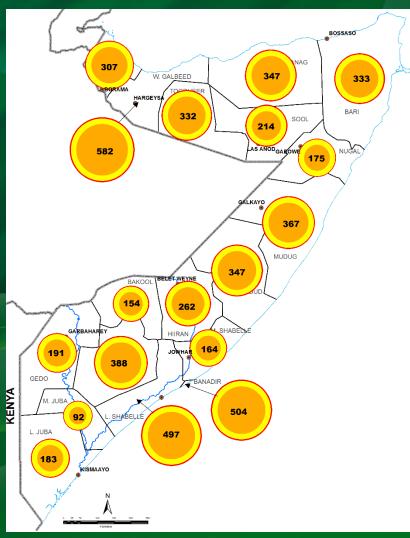
#### # of People in Crisis and Emergency (IPC 3 & 4) by Region (Total=2.7 million)



Acute food
insecurity is
present in all
regions of
Somalia

 $\bullet$ 

 The magnitude and severity of acute food insecurity varies across regions # of People in Stressed, Crisis and Emergency (IPC 2, 3 & 4) by Region (Total=5.4 million)

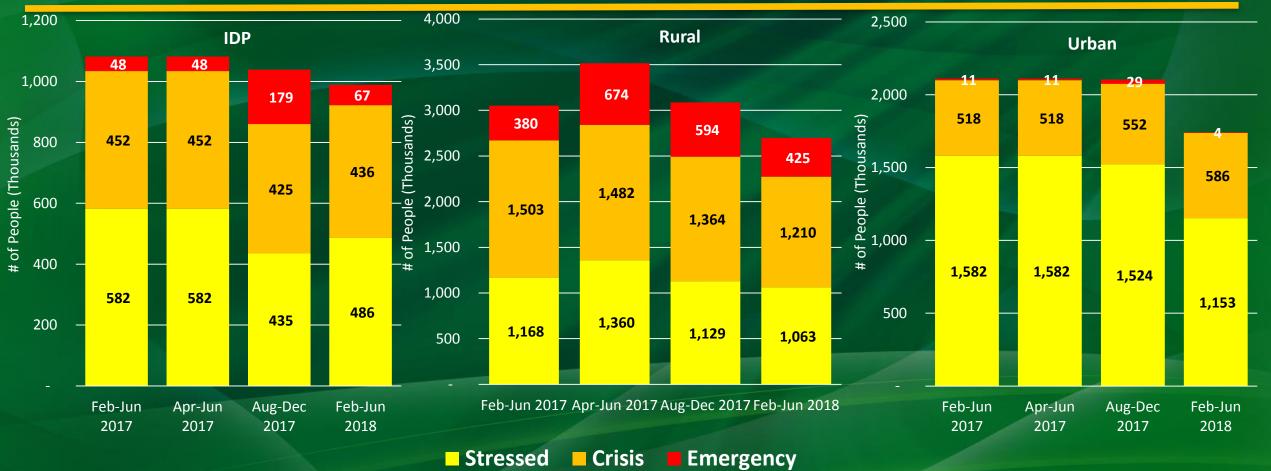




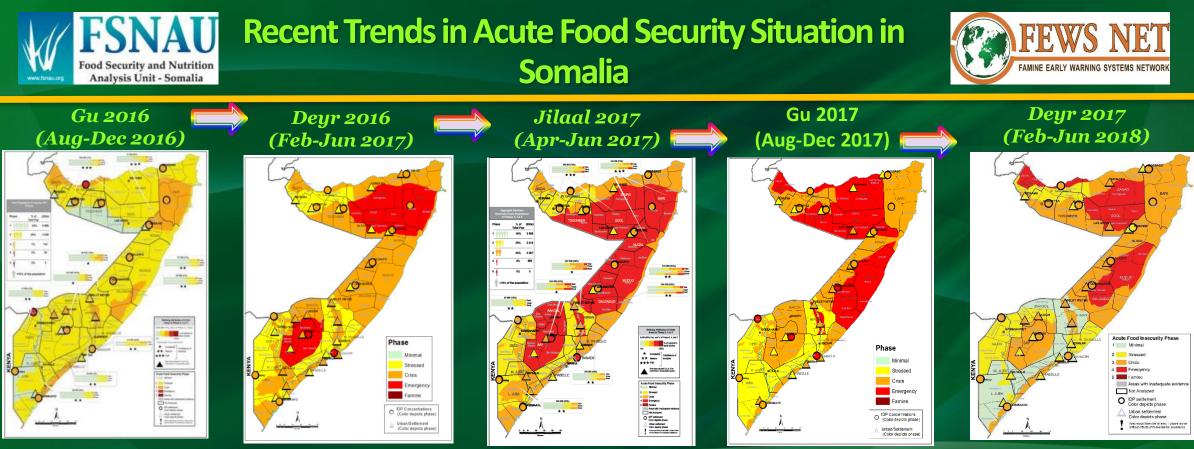
## Recent Trends in the Number of Acutely Food Insecure

**People in Somalia** 





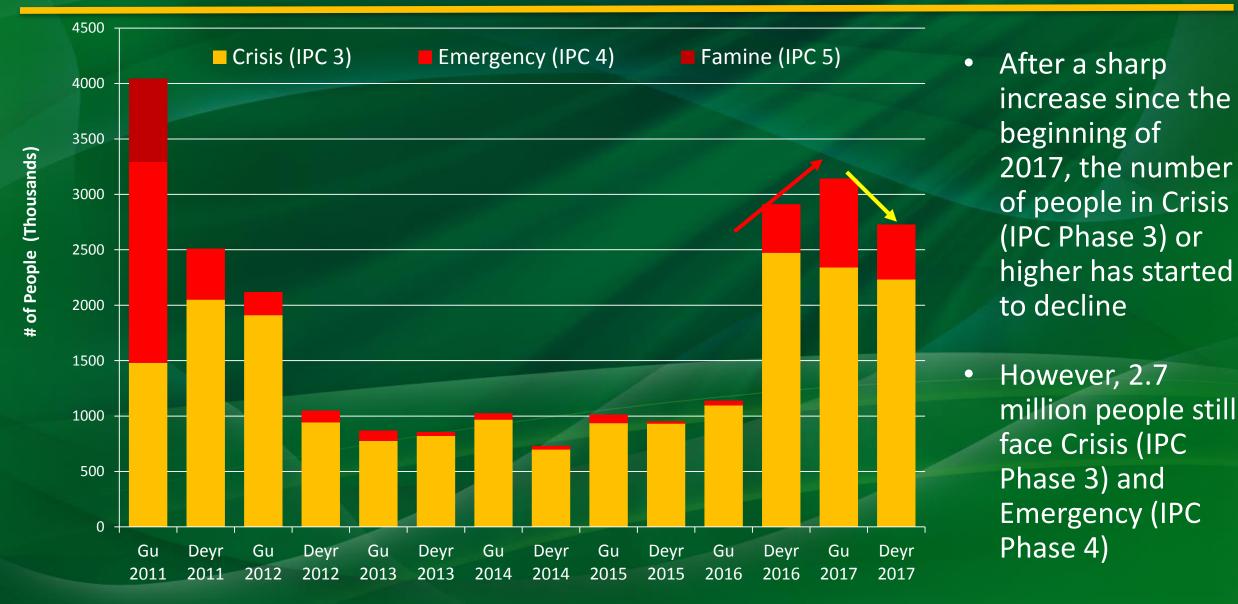
 The magnitude and severity of acute food insecurity is expected to decline among IDPs, rural and urban populations between February to June 2018 compared to the projections for August to December 2017



- As drought conditions improve, there has been a relative improvement in food security conditions in many parts of Somalia since late 2017 and the risk of Famine (IPC Phase 5) has consequently declined. Sustained large scale humanitarian assistance has also contributed to this.
- However, Crisis (IPC Phase 3) and Emergency (IPC Phase 4) conditions will persist in several regions between now and June 2018.

#### of Security and Nutrition Analysis Unit - Somalia









- Drought conditions have eased in most parts of Somalia
- However, the 2017 *Deyr* (October-December) rains were below average to near average in most parts of Somalia and the 2018 *Gu* (April-June) rains are forecast to be below average
- The overall nutrition situation in Somalia has shown some improvement but levels of acute malnutrition remain high
- An estimated **301 000** children under the age of five across the country are acutely malnourished, including **48 000** who are severely malnourished
- Large scale and sustained humanitarian response and seasonal improvements due to *Deyr* season rains have reduced the risk of Famine in Somalia through mid-2018 but needs for assistance remain high and critical





- Over 2.7 million people across Somalia still face acute food security Crisis (IPC Phase 3) and Emergency (IPC Phase 4) between now and June 2018
- This includes **2.2 million** in Crisis and **496 000** in Emergency. Both groups need urgent humanitarian assistance and livelihood protection support
- Additionally, nearly **2.7 million** people are Stressed (IPC Phase 2) and are vulnerable to shocks and require livelihood protection support
- In total, 5.4 million people (IPC Phases 2, 3 and 4 combined) across Somalia need food security and livelihood assistance through June 2018
- Humanitarian assistance must be sustained in order to prevent further deterioration of the food security and nutrition situation in Somalia





# Thank you

#### For additional information, please visit:

www.fsnau.org and www.fews.net/Somalia