

# Aweil Centre County - Water, Sanitation and Hygiene Factsheet

Northern Bahr el Ghazal State, South Sudan



### **Overview and Methodology**

The dynamic and multi-faceted nature of the South Sudanese displacement crisis has created significant challenges for the delivery of humanitarian aid. Accessibility and security issues within South Sudan have impeded a systematic understanding of WASH needs in many areas of the country, and have created difficulties in establishing a clear and unambiguous system for prioritizing the delivery of aid, thereby limiting the effectiveness of humanitarian planning and limiting the potential impact of donor funding. As this crisis continues to expand, evolve and spill into neighbouring countries, it has become increasingly important to fill information gaps to inform a more effective humanitarian response and planning for immediate life-saving WASH activities and contingency planning for durable solutions.

In 2018, REACH, in close coordination with the WASH Cluster, identified five core WASH indicators: 1. % of Households (HHs) by displacement status; 2. % of HHs reported having safe access to and use an improved water source (borehole, tapstand, water yard) as their main source of drinking water; 3. % of HHs reported having access to a latrine (private, shared, or communal/ institutional); 4. % of HHs reported having access to key WASH NFIs (soap, mosquito nets, water containers); and 5. % of HH reported that one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection.

These five indicators were used to establish the first

#### Displacement

Percentage of households by displacement status <sup>1</sup>:

99%

1%

Host community	
IDP	

countrywide WASH baseline in July and August of 2018 during Round 22 of the Food Security and Nutrition Monitoring System (FSNMS). FSNMS partners agreed to once again incorporate WASH cluster indicators for FSNMS Round 23 (November and December of 2018). FSNMS is a seasonal countrywide assessment conducted, funded and run by the World Food Programme, UNICEF, and the Food and Agriculture Organization, and supported by REACH in Round 22, FSNMS, established in 2010, is a representative survey that employs two-stage cluster sampling, using a state based sample size and cluster determination. In each county, access permitting, 9 clusters were selected and 12 households interviewed per cluster.

FSNMS is a critical source of information that allows for the identification of affected areas, the prioritization of resources and for monitoring trends. The data collected during FSNMS is used for the Integrated Food Security Phase Classification (IPC) analysis, the Humanitarian Needs Overview (HNO) and the Humanitarian Response Plan (HRP), as well as additional decision making platforms.

Percentage of IDP households by time arrived in their

100%

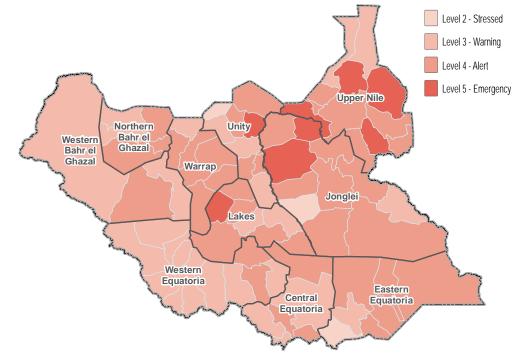
### **FSNMS Assessment Coverage**

Full coverage in the county was achieved.

current location:

Between 2-3 years

### WASH Needs Severity Map



This WASH composite aims to measure the severity of WASH needs in each county. The composite was created with four indicators, each broken into 5 levels of severity, as seen in this matrix http://bit.ly/2EqRYwJ. The final severity ranking was created by calculating the average level from the following indicators: -Not having safe access to and use an improved water source (borehole, tapstand, water yard) as a main source of drinking water.

- Not having access to a latrine (private, shared, or communal/institutional). - Not owning a jerrycan or bucket with a lid and soap, and that every member of the HH did not sleep under a mosquito net

- Having one or more household members affected by self-reported water or vector borne disease in the two weeks prior to data collection.

Percentage of returnee households by time arrived in their current location:

#### Most commonly reported vulnerability, by percentage of households: (more than one answer was possible)

Children under 5	97%
Female headed	88%
Elderly persons	40%
Adopted children	24%
Chronically ill	19%

unicef











0%

- 20%

21 - 40%

41 - 60%

61 - 80%

81 - 100%

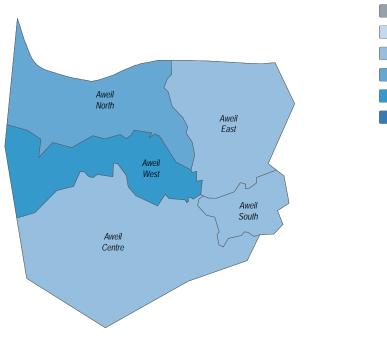
Northern Bahr el Ghazal State, South Sudan



### Water

- 54% of Aweil Centre County HHs reported having safe access to an improved source of drinking water as their main source, in November and December, 2018. This was a decrease from the previous season.
- 59% of Aweil Centre County HHs reported having safe access to an improved source of drinking water as their main source, in July and August, 2018.
- of HHs reported feeling unsafe while collecting water, in November and December, 2018. This 1% was a decrease from the previous season.
- of HHs reported feeling unsafe while collecting water, in July and August, 2018. 3%

% of HHs having safe access to and use an improved water source (borehole, tapstand, water vard) as their main source of drinking water in under 30 minutes:



This simple water access composite aims to measure access to an improved water source, without protection concern. The composite was created by averaging the 'yes' responses of households reporting on the following indicators, with all indicators considered to have the same weight:

- Access to a borehole, tapstand, or water yard as the primary source of drinking water - Can collect water (walking to collection point, waiting, filling container, returning home) in under 30 minutes - Did not report any security concerns while accessing water point

WFP

orld Food Programme

Most commonly reported sources of drinking water by percentage of households:

	Borehole	54%
<b>M</b> Overall	Hand dug well	18%
	River or stream	17%
	Unprotected well	12%

Borehole Hand dug well Ŷ River or stream Host

Unprotected well

54% 17% 17% 12%

100%

Most commonly reported time spent collecting drinking water (walking to collection point, waiting, filling container, returning home) by percentage of households:

Less than 30 minutes	48%
30 minutes to 1 hour	30%
Between 1-2 hours	19%
l don't know	3%

Less than 30 minutes	49%
30 minutes to 1 hour	29%
Between 1-2 hours	20%
l don't know	3%

100%

30 minutes to 1 hour

Hand dug well



**ķ**>

Returnees













Most commonly reported excreta disposal

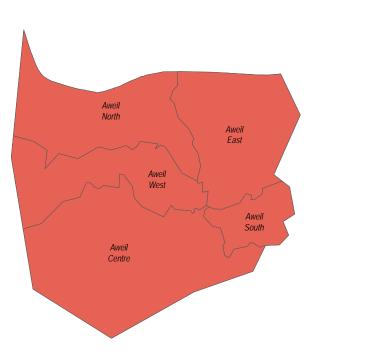
methods for children under five by

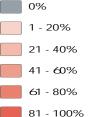
percentage of households:

# **Sanitation**

- 18% of Aweil Centre County HHs reported having access to a latrine (private, shared, or communal/institutional), in November and December, 2018. This was an increase from the previous season.
- 13% of Aweil Centre County HHs reported having access to a latrine (private, shared, or communal/institutional), in July and August, 2018.
- 4% of HHs reported their most common defecation location was a latrine, in November and December, 2018. This was a decrease from the previous season.
- 9% of HHs reported their most common defecation location was a latrine, in July and August, 2018.

% of HHs not usually using a latrine (private, shared, or communal/institutional)<sup>2</sup>:





<b>a</b> Overall	In the bush In the latrine Dig a hole and cover No answer	93% 4% 3% 1%	In the bush Dig a hole and cover In the latrine	84% 13% 3%
<b>i</b> Host	In the bush Dig a hole and cover In the latrine No answer	93% 3%   3%   1%	In the bush Dig a hole and cover In the latrine	85% 13% 2%
idd to the second secon	In the latrine	100%	In the latrine	100%

ر <del>بر</del> Returnees





/orld Food Programme

WFF





Most commonly reported defecation

location by percentage of households:



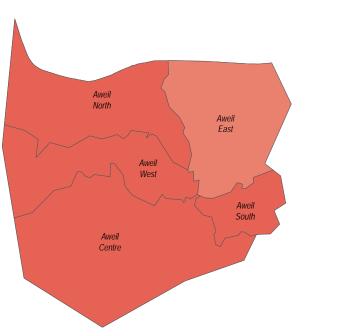




## 🐮 Health

- **81%** of **Aweil Centre County** HHs reported one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection, in November and December, 2018. This was an increase from the previous season.
- **54%** of Aweil Centre County HHs reported one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection, in July and August, 2018.
- **Malaria** was the most commonly reported water or vector borne disease in November and December, 2018. This was different to the previous season.
- **Fever** was the most commonly reported water or vector borne disease in July and August, 2018.

% of HH with one or more HH member affected by self-reported water or vector borne disease in the two weeks prior to data collection:



0% 1 - 20% 21 - 40% 41 - 60% 61 - 80% 81 - 100%

> ريً⊷ IDPs

Returnees

unicef



World Food Programme

WFF





Most commonly self-reported water or

vector borne diseases for adults in the

percentage of households: (more than one

49%

32%

30%

19%

11%

49%

32%

30%

19%

11%

two weeks prior to data collection by

answer was possible)

Typhoid

Malaria

Stomach pain

Skin infection

Stomach pain

Skin infection

Typhoid

Malaria

Fever

Fever

în

Overall

Host

Most commonly self-reported water or vector borne disease for children under 5 in the two weeks prior to data collection by percentage of households: (more than one answer was possible)

Malaria	59%
Fever	54%
Stomach pain	30%
AWD	17%
Typhoid	17%
Malaria	60%
Fever	53%
Stomach pain	30%
Typhoid	17%
AWD	16%
AWD	100%
Fever	100%







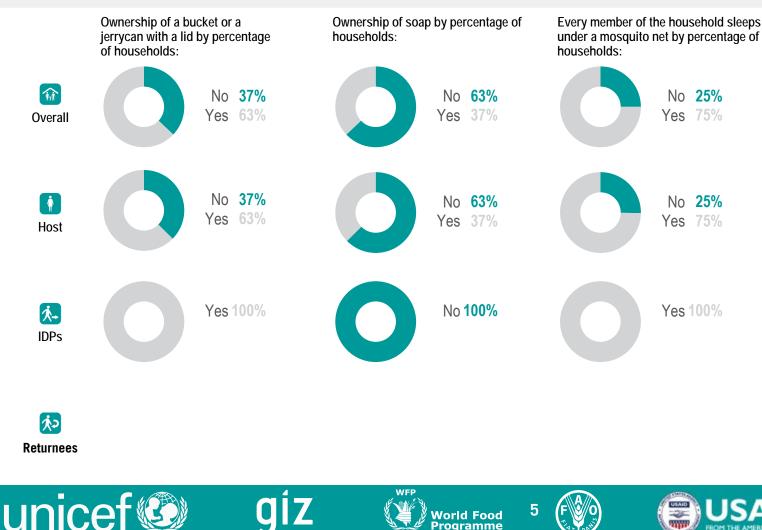
### NFI WASH NFIS

of Aweil Centre County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in November and December, 2018. 19% This was a decrease from the previous season.

5

orld Food Programme

- of Aweil Centre County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in HH in July and August, 2018. 37%
- was the average number of jerrycans and/or buckets per HH in July and August, 2018. This was a decrease from the previous season. 1
- 3 was the average number of jerrycans and/or buckets per HH in November and December, 2018.



#### Endnotes

1. This data is as of November/December 2018. Note, population movement remains fluid.

2. An institutional latrine can be found in a school, hospital, clinic, market place.

3. HHs are asked to produce soap within a minute when assessing the presence of soap in the HH, as if they are not able to locate it within a minute then it stands to reason it is not commonly used.

4. The composite was created by averaging the 'yes' responses of HHs reporting on the following indicators, with all considered to have the same weight: access to soap, access to jerrycans/buckets with lids, everyone in the HH slept under a mosquito net.

### About REACH

REACH facilitates the development of information tools and products that enhance the capacity of aid actors to make evidencebased decisions in emergency, recovery and development contexts. All REACH activities are conducted through inter-agency aid coordination mechanisms.

For more information, you can write to our incountry office: southsudan@reach-initiative. org or to our global office: geneva@reachinitiative.org.

Visit www.reach-initiative.org and follow us @REACH\_info.



# Aweil East County - Water, Sanitation and Hygiene Factsheet

Northern Bahr el Ghazal State, South Sudan



### **Overview and Methodology**

The dynamic and multi-faceted nature of the South Sudanese displacement crisis has created significant challenges for the delivery of humanitarian aid. Accessibility and security issues within South Sudan have impeded a systematic understanding of WASH needs in many areas of the country, and have created difficulties in establishing a clear and unambiguous system for prioritizing the delivery of aid, thereby limiting the effectiveness of humanitarian planning and limiting the potential impact of donor funding. As this crisis continues to expand, evolve and spill into neighbouring countries, it has become increasingly important to fill information gaps to inform a more effective humanitarian response and planning for immediate life-saving WASH activities and contingency planning for durable solutions.

In 2018, REACH, in close coordination with the WASH Cluster, identified five core WASH indicators: 1. % of Households (HHs) by displacement status; 2. % of HHs reported having safe access to and use an improved water source (borehole, tapstand, water yard) as their main source of drinking water; 3. % of HHs reported having access to a latrine (private, shared, or communal/ institutional); 4. % of HHs reported having access to key WASH NFIs (soap, mosquito nets, water containers); and 5. % of HH reported that one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection.

These five indicators were used to establish the first

### Displacement

Percentage of households by displacement status 1:

99%

1%

Host community	
IDP	

countrywide WASH baseline in July and August of 2018 during Round 22 of the Food Security and Nutrition Monitoring System (FSNMS). FSNMS partners agreed to once again incorporate WASH cluster indicators for FSNMS Round 23 (November and December of 2018). FSNMS is a seasonal countrywide assessment conducted, funded and run by the World Food Programme, UNICEF, and the Food and Agriculture Organization, and supported by REACH in Round 22. FSNMS, established in 2010, is a representative survey that employs two-stage cluster sampling, using a state based sample size and cluster determination. In each county, access permitting, 9 clusters were selected and 12 households interviewed per cluster.

FSNMS is a critical source of information that allows for the identification of affected areas, the prioritization of resources and for monitoring trends. The data collected during FSNMS is used for the Integrated Food Security Phase Classification (IPC) analysis, the Humanitarian Needs Overview (HNO) and the Humanitarian Response Plan (HRP), as well as additional decision making platforms.

Percentage of IDP households by time arrived in their

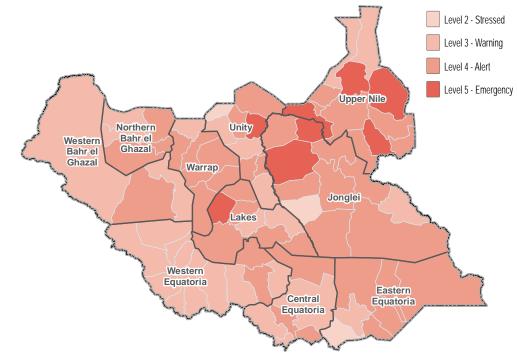
WFF

100%

### FSNMS Assessment Coverage

Full coverage in the county was achieved.

### WASH Needs Severity Map



This WASH composite aims to measure the severity of WASH needs in each county. The composite was created with four indicators, each broken into 5 levels of severity, as seen in this matrix <u>http://bit.ly/2EqRYW.</u>. The final severity ranking was created by calculating the average level from the following indicators: -Not having safe access to and use an improved water source (borehole, tapstand, water yard) as a main source of drinking water.  Not having access to a latrine (private, shared, or communal/institutional).
Not owning a jerrycan or bucket with a lid and soap, and that every member of the HH did not skep under a mosquito net.

 Having one or more household members affected by self-reported water or vector borne disease in the two weeks prior to data collection.

Percentage of returnee households by time arrived in their current location:

# Most commonly reported vulnerability, by percentage of households: (more than one answer was possible)

Children under 5	82%
emale headed	60%
Elderly persons	43%
Chronically ill	5%
Physically disabled	5%

unicef



current location:

In the last one year

World Food Programme









0%

- 20%

21 - 40%

41 - 60%

61 - 80%

81 - 100%

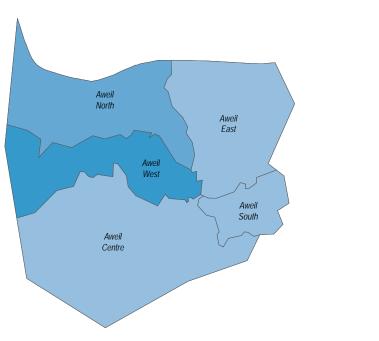
Northern Bahr el Ghazal State, South Sudan



### Water

- 43% of Aweil East County HHs reported having safe access to an improved source of drinking water as their main source, in November and December, 2018. This was a decrease from the previous season.
- 62% of Aweil East County HHs reported having safe access to an improved source of drinking water as their main source, in July and August, 2018.
- of HHs reported feeling unsafe while collecting water, in November and December, 2018. This 10% was an increase from the previous season.
- of HHs reported feeling unsafe while collecting water, in July and August, 2018. 6%

% of HHs having safe access to and use an improved water source (borehole, tapstand, water vard) as their main source of drinking water in under 30 minutes:



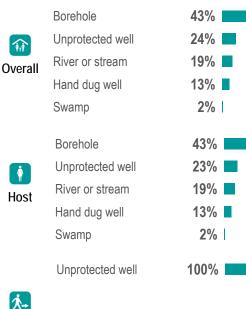
This simple water access composite aims to measure access to an improved water source, without protection concern. The composite was created by averaging the 'yes' responses of households reporting on the following indicators, with all indicators considered to have the same weight:

unice

- Access to a borehole, tapstand, or water yard as the primary source of drinking water - Can collect water (walking to collection point, waiting, filling container, returning home) in under 30 minutes - Did not report any security concerns while accessing water point WFP

> orld Food Programme

Most commonly reported sources of drinking water by percentage of households:



Most commonly reported time spent collecting drinking water (walking to collection point, waiting, filling container, returning home) by percentage of households:

Less than 30 minutes	41%
30 minutes to 1 hour	40%
Between 1-2 hours	19%
l don't know	1%
Less than 30 minutes	41%
30 minutes to 1 hour	40%
Between 1-2 hours	18%
l don't know	1%

100%

Between 1-2 hours

**ķ**> Returnees

**IDPs** 











# Sanitation

- **2%** of **Aweil East County** HHs reported having access to a latrine (private, shared, or communal/ institutional), in November and December, 2018. This was an increase from the previous season.
- 1% of Aweil East County HHs reported having access to a latrine (private, shared, or communal/ institutional), in July and August, 2018.
- 1% of HHs reported their most common defecation location was a latrine, in November and December, 2018. This was the same as the previous season.
- 1% of HHs reported their most common defecation location was a latrine, in July and August, 2018.

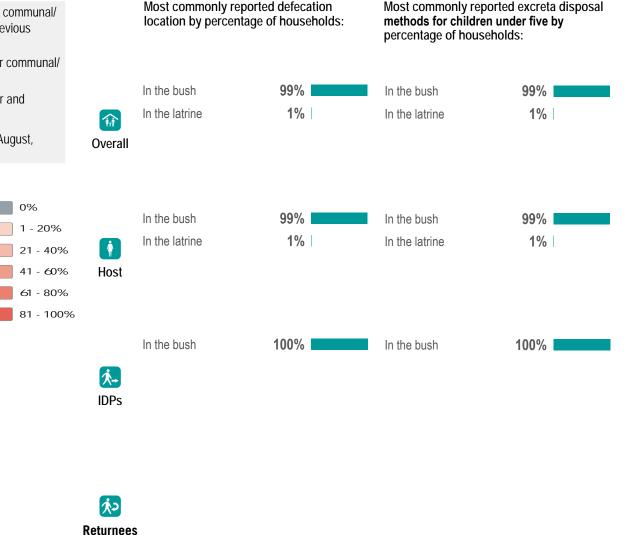
% of HHs not usually using a latrine (private, shared, or communal/institutional)<sup>2</sup>:

Aweil West

Aweil

North

Aweil Centre







Aweil East

> Aweil South









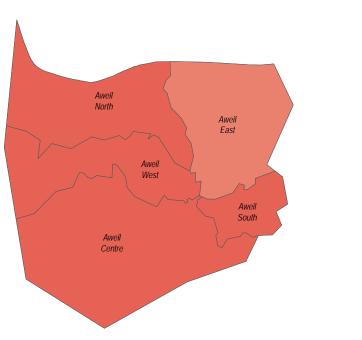


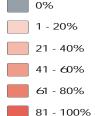


## \* Health

- 70% of Aweil East County HHs reported one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection, in November and December, 2018. This was a decrease from the previous season.
- of Aweil East County HHs reported one or more HH member was affected by self-reported 72% water or vector borne disease in the two weeks prior to data collection, in July and August, 2018.
- was the most commonly reported water or vector borne disease in November and December, Fever 2018. This was the same as the previous season.
- was the most commonly reported water or vector borne disease in July and August, 2018. Fever

% of HH with one or more HH member affected by self-reported water or vector borne disease in the two weeks prior to data collection:





Most commonly self-reported water or vector borne diseases for adults in the two weeks prior to data collection by percentage of households: (more than one answer was possible)

	Fever	58%
Malaria Overall Stomach pain Flu	Malaria	38%
	Typhoid	17%
	Stomach pain	13%
	Flu	8%
Host	Fever	58%
	Malaria	38%
	Typhoid	17%
	Stomach pain	13%
	Flu	8%

Most commonly self-reported water or vector borne disease for children under 5 in the two weeks prior to data collection by percentage of households: (more than one answer was possible)

Fever	77%
Malaria	42%
Stomach pain	21%
AWD	20%
Flu	7%
Fever	77%
Malaria	43%
Stomach pain	21%
AWD	20%
Flu	7%
Fever	100%

次 Returnees

1.... **IDPs** 

















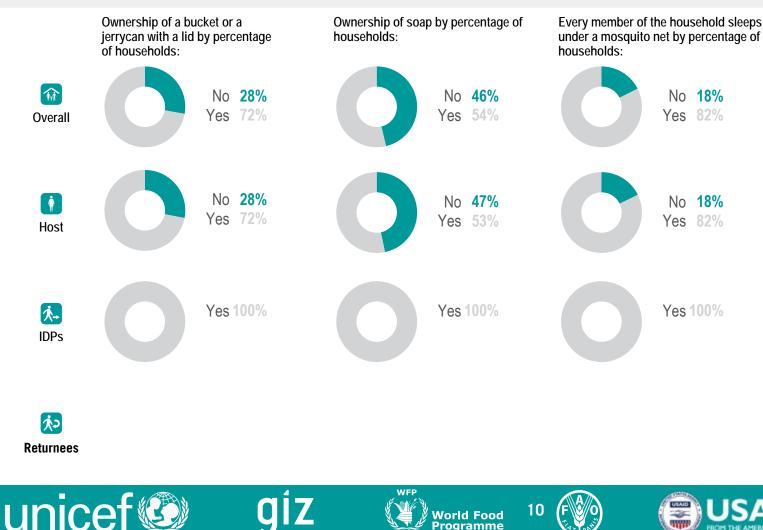
### NFI WASH NFIS

of Aweil East County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in November and December, 2018. 5% This was a decrease from the previous season.

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orld Food Programme

- of Aweil East County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in HH in July and August, 2018. 9%
- 2 was the average number of jerrycans and/or buckets per HH in July and August, 2018. This was the same as the previous season.
- 2 was the average number of jerrycans and/or buckets per HH in November and December, 2018.



#### Endnotes

1. This data is as of November/December 2018. Note, population movement remains fluid.

2. An institutional latrine can be found in a school, hospital, clinic, market place.

3. HHs are asked to produce soap within a minute when assessing the presence of soap in the HH, as if they are not able to locate it within a minute then it stands to reason it is not commonly used.

4. The composite was created by averaging the 'yes' responses of HHs reporting on the following indicators, with all considered to have the same weight: access to soap, access to jerrycans/buckets with lids, everyone in the HH slept under a mosquito net.

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# Aweil North County - Water, Sanitation and Hygiene Factsheet

Northern Bahr el Ghazal State, South Sudan



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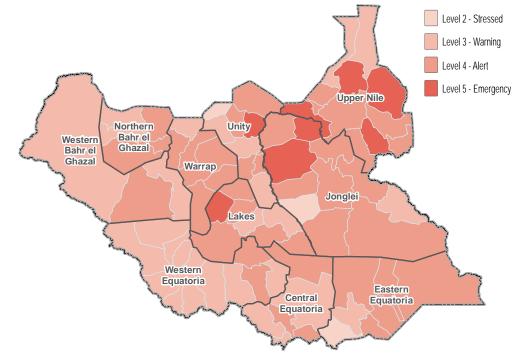
countrywide WASH baseline in July and August of 2018 during Round 22 of the Food Security and Nutrition Monitoring System (FSNMS). FSNMS partners agreed to once again incorporate WASH cluster indicators for FSNMS Round 23 (November and December of 2018). FSNMS is a seasonal countrywide assessment conducted, funded and run by the World Food Programme, UNICEF, and the Food and Agriculture Organization, and supported by REACH in Round 22, FSNMS, established in 2010, is a representative survey that employs two-stage cluster sampling, using a state based sample size and cluster determination. In each county, access permitting, 9 clusters were selected and 12 households interviewed per cluster.

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### **FSNMS Assessment Coverage**

Full coverage in the county was achieved.

### WASH Needs Severity Map



This WASH composite aims to measure the severity of WASH needs in each county. The composite was created with four indicators, each broken into 5 levels of severity, as seen in this matrix http://bit.ly/2EqRYwJ. The final severity ranking was created by calculating the average level from the following indicators: -Not having safe access to and use an improved water source (borehole, tapstand, water yard) as a main source of drinking water.

- Not having access to a latrine (private, shared, or communal/institutional). - Not owning a jerrycan or bucket with a lid and soap, and that every member of the HH did not sleep under a mosquito net

- Having one or more household members affected by self-reported water or vector borne disease in the two weeks prior to data collection.

These five indicators were used to establish the first

### Displacement

Percentage of households by displacement status 1:

Percentage of IDP households by time arrived in their current location:

Percentage of returnee households by time arrived in their current location:

#### Most commonly reported vulnerability, by percentage of households: (more than one answer was possible)

Children under 5	74%
Female headed	46%
Elderly persons	34%
Physically disabled	15%
Adopted children	6%

Host community

unicef

100%













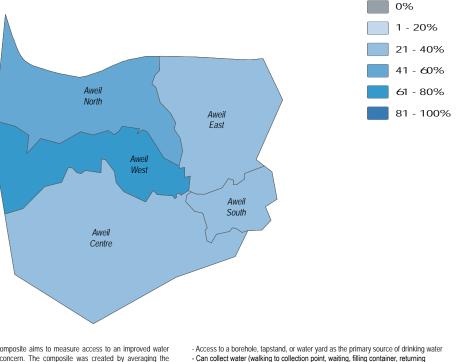


1%

### Water

- 96% of Aweil North County HHs reported having safe access to an improved source of drinking water as their main source, in November and December, 2018. This was a decrease from the previous season.
- 98% of Aweil North County HHs reported having safe access to an improved source of drinking water as their main source, in July and August, 2018.
- of HHs reported feeling unsafe while collecting water, in November and December, 2018. This 18% was an increase from the previous season.
- of HHs reported feeling unsafe while collecting water, in July and August, 2018. 9%

% of HHs having safe access to and use an improved water source (borehole, tapstand, water vard) as their main source of drinking water in under 30 minutes:



This simple water access composite aims to measure access to an improved water source, without protection concern. The composite was created by averaging the 'yes' responses of households reporting on the following indicators, with all indicators considered to have the same weight:

unice

- Did not report any security concerns while accessing water point

home) in under 30 minutes

orld Food Programme

WFP





Most commonly reported sources

of drinking water by percentage of

93%

4%

3%

93%

4%

3%

households:

Borehole

Tap stand

Borehole

Tap stand

River or stream

M

Overall

Å

Host

1.→ **IDPs** 

**ķ**> Returnees River or stream



returning home) by percentage of households: Less than 30 minutes 64% 30 minutes to 1 hour 24%

collection point, waiting, filling container,

Most commonly reported time spent

collecting drinking water (walking to

Between 1-2 hours 11% More than 2 hours

Less than 30 minutes	64%
30 minutes to 1 hour	24%
Between 1-2 hours	11%
More than 2 hours	1%

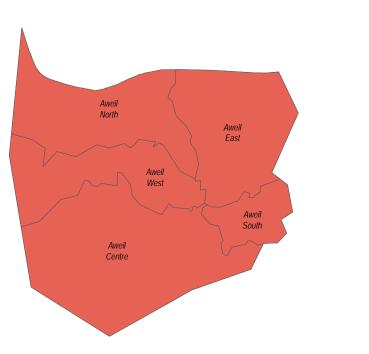




# Sanitation

- **6%** of **Aweil North County** HHs reported having access to a latrine (private, shared, or communal/institutional), in November and December, 2018. This was a decrease from the previous season.
- **7%** of Aweil North County HHs reported having access to a latrine (private, shared, or communal/institutional), in July and August, 2018.
- **6%** of HHs reported their most common defecation location was a latrine, in November and December, 2018. This was an increase from the previous season.
- **4%** of HHs reported their most common defecation location was a latrine, in July and August, 2018.

% of HHs not usually using a latrine (private, shared, or communal/institutional)<sup>2</sup>:

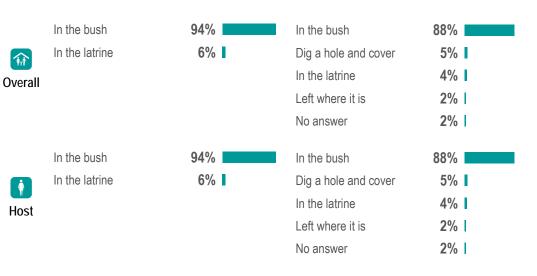




81 - 100%

Most commonly reported defecation location by percentage of households:

Most commonly reported excreta disposal **methods for children under five by** percentage of households:



Returnees

IDPs





World Food Programme







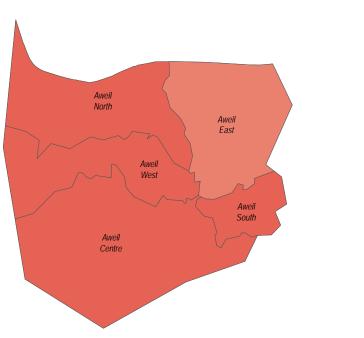


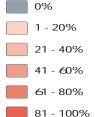


## 🐮 Health

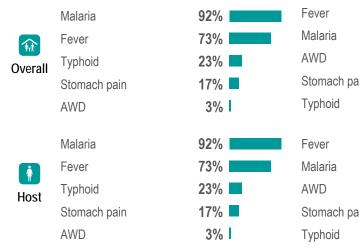
- **94%** of Aweil North County HHs reported one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection, in November and December, 2018. This was an increase from the previous season.
- **62%** of Aweil North County HHs reported one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection, in July and August, 2018.
- Malariawas the most commonly reported water or vector borne disease in November and December,<br/>2018. This was the same as the previous season.
- Malaria was the most commonly reported water or vector borne disease in July and August, 2018.

% of HH with one or more HH member affected by self-reported water or vector borne disease in the two weeks prior to data collection:





Most commonly self-reported water or vector borne diseases for adults in the two weeks prior to data collection by percentage of households: (more than one answer was possible)



Most commonly self-reported water or vector borne disease for children under 5 in the two weeks prior to data collection by percentage of households: (more than one answer was possible)

	75%
	68%
	16%
ain	14%
	6%
	75%
	68%
	16%
ain	14%
	6%

IDPs

1.→

keturnees





World Food Programme





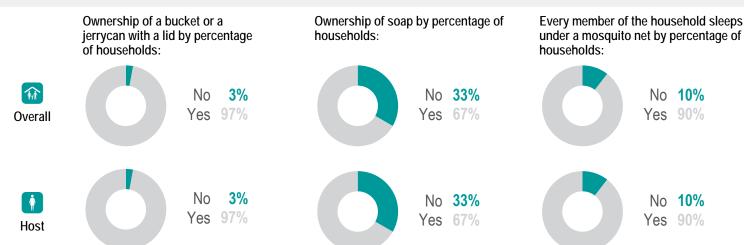






### NFI WASH NFIS

- **36%** of Aweil North County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in November and December, 2018. This was an increase from the previous season.
- 14% of Aweil North County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in HH in July and August, 2018.
- 2 was the average number of jerrycans and/or buckets per HH in July and August, 2018. This was a decrease from the previous season.
- 4 was the average number of jerrycans and/or buckets per HH in November and December, 2018.



#### Endnotes

1. This data is as of November/December 2018. Note, population movement remains fluid.

2. An institutional latrine can be found in a school, hospital, clinic, market place.

3. HHs are asked to produce soap within a minute when assessing the presence of soap in the HH, as if they are not able to locate it within a minute then it stands to reason it is not commonly used.

4. The composite was created by averaging the 'yes' responses of HHs reporting on the following indicators, with all considered to have the same weight: access to soap, access to jerrycans/buckets with lids, everyone in the HH slept under a mosquito net.

### **About REACH**

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unice

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IDPs







WF









# Aweil South County - Water, Sanitation and Hygiene Factsheet

Northern Bahr el Ghazal State, South Sudan



### **Overview and Methodology**

The dynamic and multi-faceted nature of the South Sudanese displacement crisis has created significant challenges for the delivery of humanitarian aid. Accessibility and security issues within South Sudan have impeded a systematic understanding of WASH needs in many areas of the country, and have created difficulties in establishing a clear and unambiguous system for prioritizing the delivery of aid, thereby limiting the effectiveness of humanitarian planning and limiting the potential impact of donor funding. As this crisis continues to expand, evolve and spill into neighbouring countries, it has become increasingly important to fill information gaps to inform a more effective humanitarian response and planning for immediate life-saving WASH activities and contingency planning for durable solutions.

In 2018, REACH, in close coordination with the WASH Cluster, identified five core WASH indicators: 1. % of Households (HHs) by displacement status; 2. % of HHs reported having safe access to and use an improved water source (borehole, tapstand, water yard) as their main source of drinking water; 3. % of HHs reported having access to a latrine (private, shared, or communal/ institutional); 4. % of HHs reported having access to key WASH NFIs (soap, mosquito nets, water containers); and 5. % of HH reported that one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection.

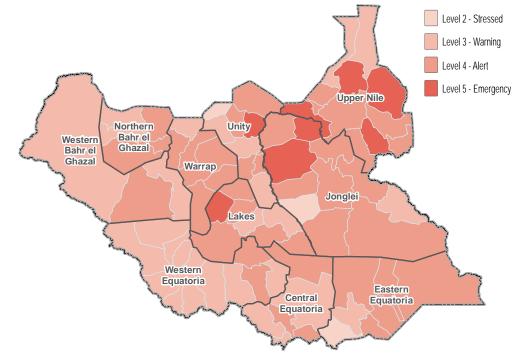
countrywide WASH baseline in July and August of 2018 during Round 22 of the Food Security and Nutrition Monitoring System (FSNMS). FSNMS partners agreed to once again incorporate WASH cluster indicators for FSNMS Round 23 (November and December of 2018). FSNMS is a seasonal countrywide assessment conducted, funded and run by the World Food Programme, UNICEF, and the Food and Agriculture Organization, and supported by REACH in Round 22. FSNMS, established in 2010, is a representative survey that employs two-stage cluster sampling, using a state based sample size and cluster determination. In each county, access permitting, 9 clusters were selected and 12 households interviewed per cluster.

FSNMS is a critical source of information that allows for the identification of affected areas, the prioritization of resources and for monitoring trends. The data collected during FSNMS is used for the Integrated Food Security Phase Classification (IPC) analysis, the Humanitarian Needs Overview (HNO) and the Humanitarian Response Plan (HRP), as well as additional decision making platforms.

### **FSNMS Assessment Coverage**

Full coverage in the county was achieved.

### WASH Needs Severity Map



This WASH composite aims to measure the severity of WASH needs in each county. The composite was created with four indicators, each broken into 5 levels of severity, as seen in this matrix <u>http://bit.ly/2EqRYW.J</u>. The final severity ranking was created by calculating the average level from the following indicators: -Not having safe access to and use an improved water source (borehole, tapstand, water yard) as a main source of drinking water.  Not having access to a latrine (private, shared, or communal/institutional).
Not owning a jerrycan or bucket with a lid and soap, and that every member of the HH did not sleep under a mosquito net.

 Having one or more household members affected by self-reported water or vector borne disease in the two weeks prior to data collection.

These five indicators were used to establish the first

#### Displacement

Percentage of households by displacement status 1:

Host community

100%

Percentage of IDP households by time arrived in their current location:

Percentage of returnee households by time arrived in their current location:

Most commonly reported vulnerability, by percentage of households: (more than one answer was possible)

Children under 5	79%
Female headed	42%
Elderly persons	24%
Physically disabled	17%
Adopted children	15%





World Food Programme









0%

- 20%

21 - 40%

41 - 60%

61 - 80%

81 - 100%

Northern Bahr el Ghazal State, South Sudan



53%

36%

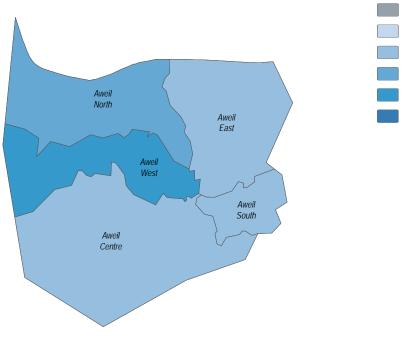
7%

4%

### Water

- 68% of Aweil South County HHs reported having safe access to an improved source of drinking water as their main source, in November and December, 2018. This was a decrease from the previous season.
- 76% of Aweil South County HHs reported having safe access to an improved source of drinking water as their main source, in July and August, 2018.
- of HHs reported feeling unsafe while collecting water, in November and December, 2018. This 7% was a decrease from the previous season.
- 8% of HHs reported feeling unsafe while collecting water, in July and August, 2018.

% of HHs having safe access to and use an improved water source (borehole, tapstand, water yard) as their main source of drinking water in under 30 minutes:



This simple water access composite aims to measure access to an improved water source, without protection concern. The composite was created by averaging the 'yes' responses of households reporting on the following indicators, with all indicators considered to have the same weight:

unice

- Can collect water (walking to collection point, waiting, filling container, returning home) in under 30 minutes - Did not report any security concerns while accessing water point

Most commonly reported sources of drinking water by percentage of households:

<b>fir</b> Overall	Borehole Hand dug well Unprotected well River or stream Swamp	68% 21% 8% 2% 1%
<b>N</b> Host	Borehole Hand dug well Unprotected well River or stream Swamp	68% 21% 8% 2% 1%

Most commonly reported time spent collecting drinking water (walking to collection point, waiting, filling container, returning home) by percentage of households:

Less than 30 minutes	53%
30 minutes to 1 hour	36%
Between 1-2 hours	7%
More than 2 hours	4%

Less than 30 minutes		
30 minutes to 1 hour		
Between 1- 2 hours		
More than 2 hours		

- Access to a borehole, tapstand, or water yard as the primary source of drinking water

WFF /orld Food

Programme



1.→ **IDPs** 

**ķ**> Returnees







0%

1 - 20%

81 - 100%

Northern Bahr el Ghazal State, South Sudan

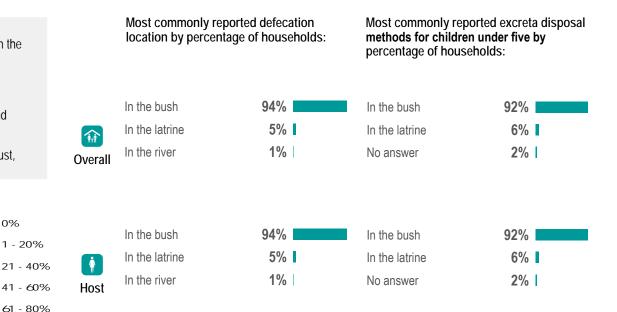


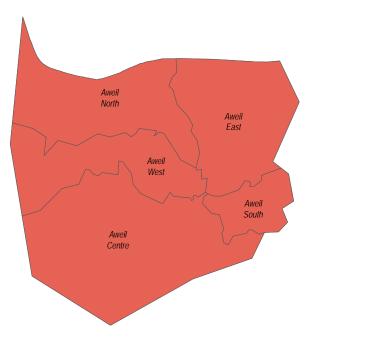
# **Sanitation**

unice

- 7% of Aweil South County HHs reported having access to a latrine (private, shared, or communal/institutional), in November and December, 2018. This was an increase from the previous season.
- 0% of Aweil South County HHs reported having access to a latrine (private, shared, or communal/institutional), in July and August, 2018.
- of HHs reported their most common defecation location was a latrine, in November and 5% December, 2018. This was an increase from the previous season.
- 0% of HHs reported their most common defecation location was a latrine, in July and August, 2018.

% of HHs not usually using a latrine (private, shared, or communal/institutional)<sup>2</sup>:









次 Returnees

**∱**→ **IDPs** 





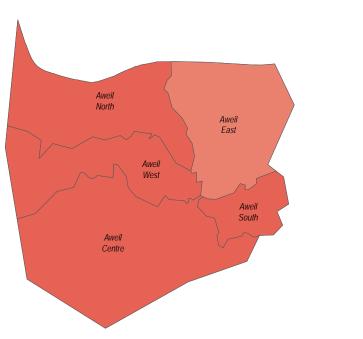


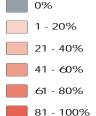


## 🐮 Health

- **87%** of Aweil South County HHs reported one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection, in November and December, 2018. This was an increase from the previous season.
- **77%** of **Aweil South County** HHs reported one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection, in July and August, 2018.
- **Fever** was the most commonly reported water or vector borne disease in November and December, 2018. This was the same as the previous season.
- **Fever** was the most commonly reported water or vector borne disease in July and August, 2018.

% of HH with one or more HH member affected by self-reported water or vector borne disease in the two weeks prior to data collection:





Most commonly self-reported water or vector borne diseases for adults in the two weeks prior to data collection by percentage of households: (more than one answer was possible)

	Fever	61%
Malaria Overall Stomach pain	Malaria	57%
	Typhoid	26%
	Stomach pain	13%
	AWD	4%
	Fever	61%
	Malaria	57%
Host	Typhoid	26%
11051	Stomach pain	13%
	AWD	4%

Most commonly self-reported water or vector borne disease for children under 5 in the two weeks prior to data collection by percentage of households: (more than one answer was possible)

Fever

Malaria

Others

AWD

Fever

Malaria

Others

AWD

Stomach

Stomach

	81%	
	58%	
	15%	
	12%	
pain	12%	
	81%	
	<b>58%</b>	
	15%	
	12%	
pain	12%	

idd The second s

Returnees

















### NFI WASH NFIS

- 15% of Aweil South County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in November and December, 2018. This was an increase from the previous season.
- 7% of Aweil South County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in HH in July and August, 2018.
- 4 was the average number of jerrycans and/or buckets per HH in July and August, 2018. This was the same as the previous season.
- 4 was the average number of jerrycans and/or buckets per HH in November and December, 2018.



#### Endnotes

1. This data is as of November/December 2018. Note, population movement remains fluid.

2. An institutional latrine can be found in a school, hospital, clinic, market place.

3. HHs are asked to produce soap within a minute when assessing the presence of soap in the HH, as if they are not able to locate it within a minute then it stands to reason it is not commonly used.

4. The composite was created by averaging the 'yes' responses of HHs reporting on the following indicators, with all considered to have the same weight: access to soap, access to jerrycans/buckets with lids, everyone in the HH slept under a mosquito net.

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IDPs







WF









# Aweil West County - Water, Sanitation and Hygiene Factsheet

Northern Bahr el Ghazal State, South Sudan



### **Overview and Methodology**

The dynamic and multi-faceted nature of the South Sudanese displacement crisis has created significant challenges for the delivery of humanitarian aid. Accessibility and security issues within South Sudan have impeded a systematic understanding of WASH needs in many areas of the country, and have created difficulties in establishing a clear and unambiguous system for prioritizing the delivery of aid, thereby limiting the effectiveness of humanitarian planning and limiting the potential impact of donor funding. As this crisis continues to expand, evolve and spill into neighbouring countries, it has become increasingly important to fill information gaps to inform a more effective humanitarian response and planning for immediate life-saving WASH activities and contingency planning for durable solutions.

In 2018, REACH, in close coordination with the WASH Cluster, identified five core WASH indicators: 1. % of Households (HHs) by displacement status; 2. % of HHs reported having safe access to and use an improved water source (borehole, tapstand, water yard) as their main source of drinking water; 3. % of HHs reported having access to a latrine (private, shared, or communal/ institutional); 4. % of HHs reported having access to key WASH NFIs (soap, mosquito nets, water containers); and 5. % of HH reported that one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection.

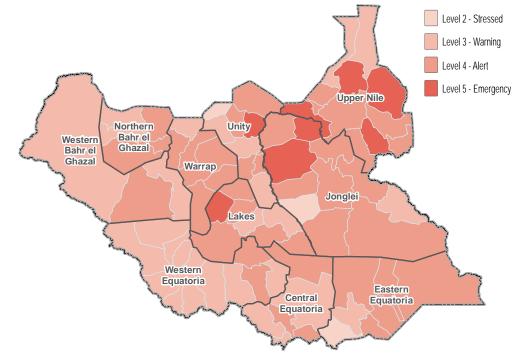
countrywide WASH baseline in July and August of 2018 during Round 22 of the Food Security and Nutrition Monitoring System (FSNMS). FSNMS partners agreed to once again incorporate WASH cluster indicators for FSNMS Round 23 (November and December of 2018). FSNMS is a seasonal countrywide assessment conducted, funded and run by the World Food Programme, UNICEF, and the Food and Agriculture Organization, and supported by REACH in Round 22, FSNMS, established in 2010, is a representative survey that employs two-stage cluster sampling, using a state based sample size and cluster determination. In each county, access permitting, 9 clusters were selected and 12 households interviewed per cluster.

FSNMS is a critical source of information that allows for the identification of affected areas, the prioritization of resources and for monitoring trends. The data collected during FSNMS is used for the Integrated Food Security Phase Classification (IPC) analysis, the Humanitarian Needs Overview (HNO) and the Humanitarian Response Plan (HRP), as well as additional decision making platforms.

### **FSNMS Assessment Coverage**

Full coverage in the county was achieved.

### WASH Needs Severity Map



This WASH composite aims to measure the severity of WASH needs in each county. The composite was created with four indicators, each broken into 5 levels of severity, as seen in this matrix http://bit.ly/2EqRYwJ. The final severity ranking was created by calculating the average level from the following indicators: -Not having safe access to and use an improved water source (borehole, tapstand, water yard) as a main source of drinking water.

- Not having access to a latrine (private, shared, or communal/institutional). - Not owning a jerrycan or bucket with a lid and soap, and that every member of the HH did not sleep under a mosquito net

- Having one or more household members affected by self-reported water or vector borne disease in the two weeks prior to data collection.

These five indicators were used to establish the first

### Displacement

Percentage of households by displacement status 1:

Host community

100%

Percentage of IDP households by time arrived in their current location:

Percentage of returnee households by time arrived in their current location:

Most commonly reported vulnerability, by percentage of households: (more than one answer was possible)

Children under 5	85%
Female headed	65%
Elderly persons	29%
Physically disabled	11%
Adopted children	10%











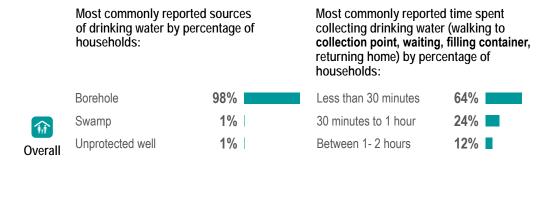




### Water

- 98% of Aweil West County HHs reported having safe access to an improved source of drinking water as their main source, in November and December, 2018. This was an increase from the previous season.
- 83% of Aweil West County HHs reported having safe access to an improved source of drinking water as their main source, in July and August, 2018.
- of HHs reported feeling unsafe while collecting water, in November and December, 2018. This 0% was the same as the previous season.
- of HHs reported feeling unsafe while collecting water, in July and August, 2018. 0%

% of HHs having safe access to and use an improved water source (borehole, tapstand, water vard) as their main source of drinking water in under 30 minutes:



98%

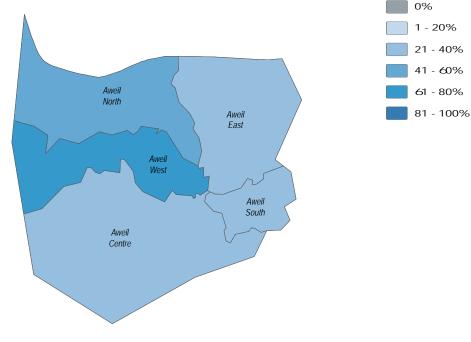
Borehole Swamp Å Unprotected well Host

1.→ **IDPs** 

**ķ**> Returnees

98%	Less than 30 minutes
1%	30 minutes to 1 hour
1%	Between 1-2 hours

64%	
24%	
12%	



This simple water access composite aims to measure access to an improved water source, without protection concern. The composite was created by averaging the 'yes' responses of households reporting on the following indicators, with all indicators considered to have the same weight:

unice

- Can collect water (walking to collection point, waiting, filling container, returning home) in under 30 minutes - Did not report any security concerns while accessing water point WFP

- Access to a borehole, tapstand, or water yard as the primary source of drinking water

22 orld Food Programme









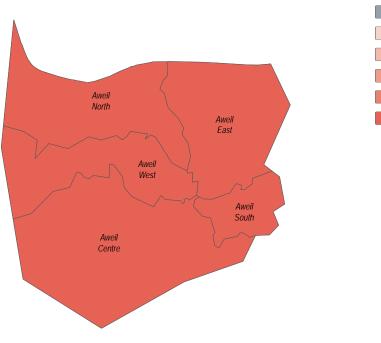
An initiative of IMPACT Initiatives

# Sanitation

unice

- **19%** of **Aweil West County** HHs reported having access to a latrine (private, shared, or communal/ institutional), in November and December, 2018. This was a decrease from the previous season.
- **36%** of Aweil West County HHs reported having access to a latrine (private, shared, or communal/institutional), in July and August, 2018.
- **7%** of HHs reported their most common defecation location was a latrine, in November and December, 2018. This was a decrease from the previous season.
- **36%** of HHs reported their most common defecation location was a latrine, in July and August, 2018.

% of HHs not usually using a latrine (private, shared, or communal/institutional)^2:





81 - 100%

WFF

**`** 

Host

IDPs

Returnees

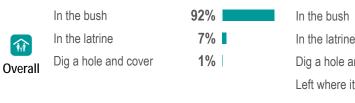
23

World Food Programme

0%

Most commonly reported defecation
location by percentage of households:

Most commonly reported excreta disposal **methods for children under five by** percentage of households:



92%

7%

1%

he bush	89%	
he latrine	8%	
a hole and cover	2%	L
t where it is	1%	

In the bush	
In the latrine	
Dig a hole and cover	

In the bush	89%
In the latrine	8%
Dig a hole and cover	2%
Left where it is	1%

REAC

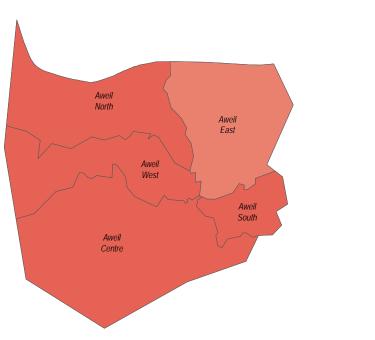


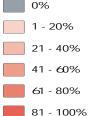


## \* Health

- 81% of Aweil West County HHs reported one or more HH member was affected by self-reported water or vector borne disease in the two weeks prior to data collection, in November and December, 2018. This was a decrease from the previous season.
- of Aweil West County HHs reported one or more HH member was affected by self-reported 87% water or vector borne disease in the two weeks prior to data collection, in July and August, 2018
- was the most commonly reported water or vector borne disease in November and December, Malaria 2018. This was the same as the previous season.
- was the most commonly reported water or vector borne disease in July and August, 2018. Malaria

% of HH with one or more HH member affected by self-reported water or vector borne disease in the two weeks prior to data collection:





Most commonly self-reported water or vector borne diseases for adults in the two weeks prior to data collection by percentage of households: (more than one answer was possible)

	Malaria	56%
Overall S	Fever	50%
	Stomach pain	33%
	Typhoid	28%
	Flu	8%
	Malaria	56%
Host	Fever	50%
	Stomach pain	33%
	Typhoid	28%
	Flu	8%

Most commonly self-reported water or vector borne disease for children under 5 in the two weeks prior to data collection by percentage of households: (more than one answer was possible)

Malaria	73%
Fever	65%
Stomach pain	17%
AWD	12%
Flu	9%
Malaria	73%
Malaria Fever	73%
Fever	65%
Fever Stomach pain	65%

1.... **IDPs** 

次 Returnees





orld Food Programme





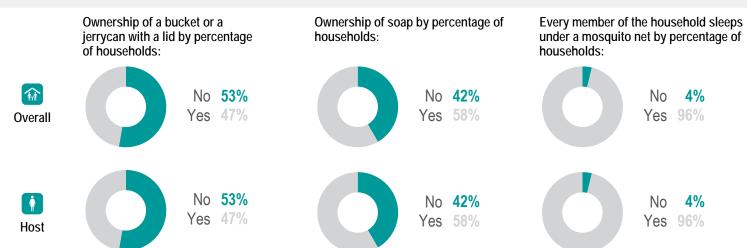






### NFI WASH NFIS

- 13% of Aweil West County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in November and December, 2018. This was a decrease from the previous season.
- 14% of Aweil West County HHs reported owning at least one jerrycan or bucket with a lid, with access to soap, and that every member of the HH slept under a mosquito net in HH in July and August, 2018.
- 2 was the average number of jerrycans and/or buckets per HH in July and August, 2018. This was a decrease from the previous season.
- 3 was the average number of jerrycans and/or buckets per HH in November and December, 2018.



#### Endnotes

1. This data is as of November/December 2018. Note, population movement remains fluid.

2. An institutional latrine can be found in a school, hospital, clinic, market place.

3. HHs are asked to produce soap within a minute when assessing the presence of soap in the HH, as if they are not able to locate it within a minute then it stands to reason it is not commonly used.

4. The composite was created by averaging the 'yes' responses of HHs reporting on the following indicators, with all considered to have the same weight: access to soap, access to jerrycans/buckets with lids, everyone in the HH slept under a mosquito net.

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unice

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IDPs







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