SOUTH SUDAN JOINT MARKET MONITORING INITIATIVE (JMMI)

INTRODUCTION

In an effort to inform cash-based interventions and better understand market dynamics in South Sudan, the Joint Market Monitoring Initiative (JMMI) was created by the South Sudan Cash Working Group (CWG) in August 2019. The initiative is guided by the JMMI Technical Working Group (JMMI-TWG), led by REACH and supported by the CWG members. The initiative is funded by World Food Programme.

Marketplaces across South Sudan are assessed on a monthly basis. In each location, field teams record prices and other market indicators through trader interviews.

This factsheet presents an overview of rices for key foods and non-food items (NFIs) in the assessed areas, as well as the costs associated with key elements of the Multi-Sector Survival Minimum Expenditure Basket (MSSMEB).

19 participating agencies[§]

45 assessed locations[†]

57 assessed marketplaces

1,229 vendor key informants

21 assessed commodities

Cost of MSSMEB[1]
46,069 SSP
113.05 USD*
522 SSP ▼ -1%

Cost of food basket[2]
29,257 SSP
71.8 USD*
2,264 SSP ▼ -7%

USD/SSP (parallel market)[3]
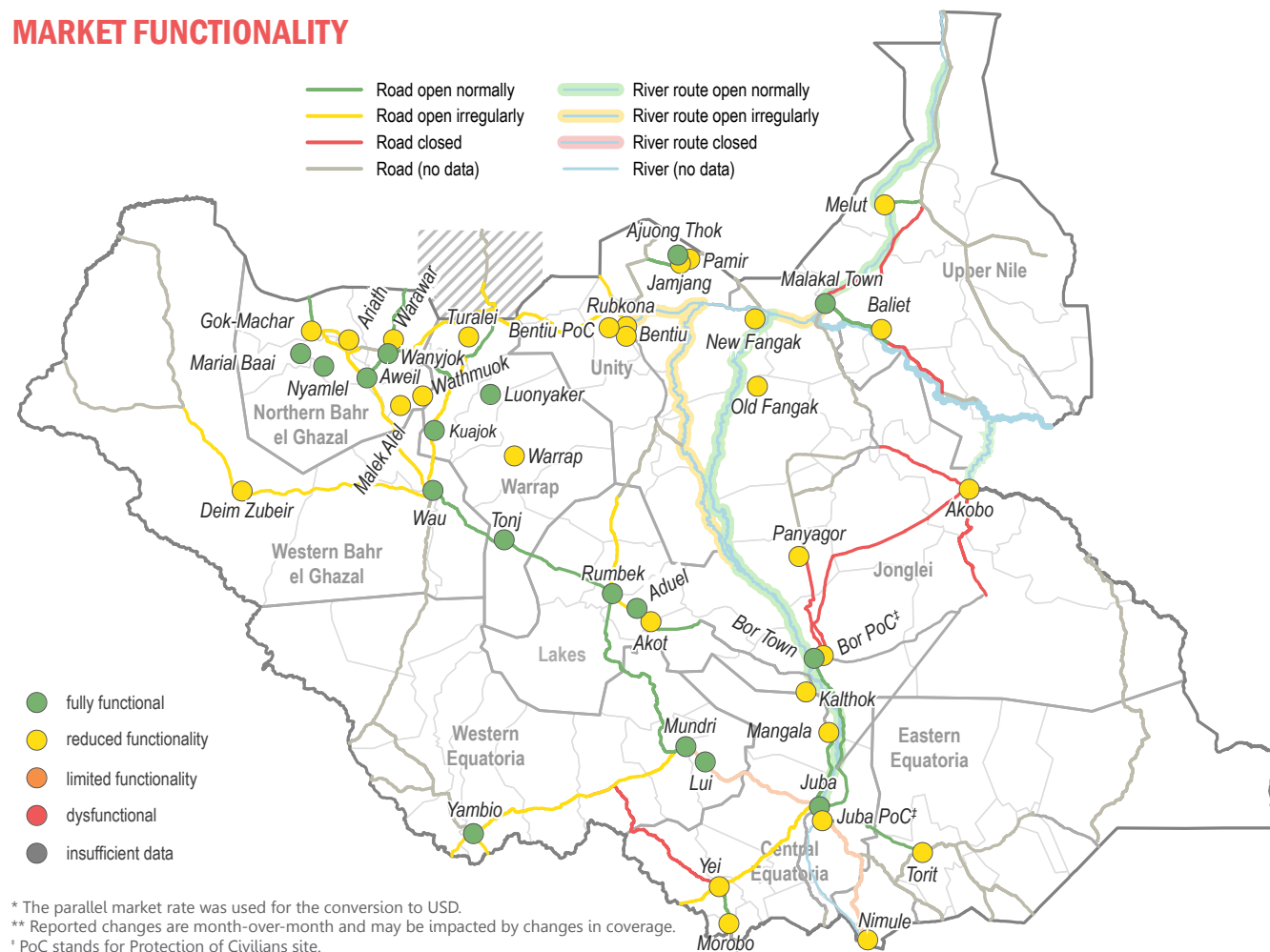**408**
1 SSP ▶ 0%

USD/SSP (official)[4]
406
3.24 SSP ▼ -1%

PARTICIPATING AGENCIES

CINA
Concern
Cordaid
DCA
DRC
IOM
IRC
LDO
Malteser Int.
Nile Hope
NPA
REACH
SPEDP
SSGID
Tearfund
UNHCR
WADA
Welthungerhilfe
World Vision

MARKET FUNCTIONALITY

Legend:
- Road open normally
- Road open irregularly
- Road closed
- Road (no data)
- River route open normally
- River route open irregularly
- River route closed
- River (no data)

- fully functional
- reduced functionality
- limited functionality
- dysfunctional
- insufficient data

* The parallel market rate was used for the conversion to USD.
** Reported changes are month-over-month and may be impacted by changes in coverage.
‡ PoC stands for Protection of Civilians site.
† The Abyei Region is shaded to acknowledge its status as a disputed territory.
§ The number of participating agencies indicates the total number of partner organisations that collected data in September
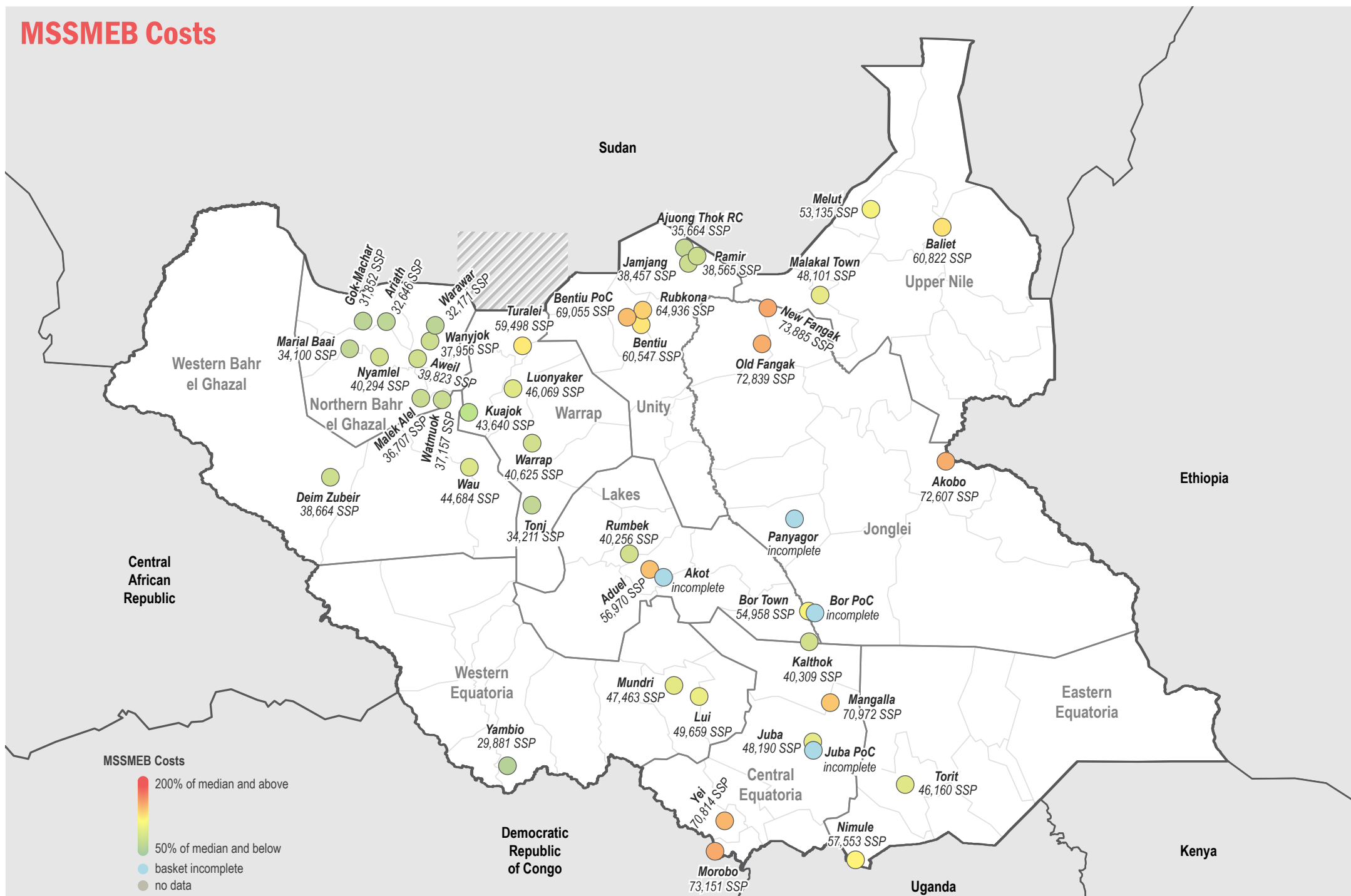
REACH Informing more effective humanitarian action

WFP World Food Programme wfp.org

INTER-AGENCY CWG CASH WORKING GROUP REPUBLIC OF SOUTH SUDAN

MSSMEB Costs

Sudan

Melut
53,135 SSP

Baliet
60,822 SSP

Ajuong Thok RC
35,664 SSP

Jamjang
38,457 SSP

Pamir
38,565 SSP

Malakal Town
48,101 SSP

Upper Nile

Gok-Machar
31,852 SSP

Ariath
32,646 SSP

Warawar
32,171 SSP

Turalei
59,498 SSP

Bentiu PoC
69,055 SSP

Rubkona
64,936 SSP

New Fangak
73,885 SSP

Marial Baai
34,100 SSP

Wanyjok
37,956 SSP

Bentiu
60,547 SSP

Old Fangak
72,839 SSP

**Western Bahr
el Ghazal**

Nyamlel
40,294 SSP

Aweil
39,823 SSP

Luonyaker
46,069 SSP

**Northern Bahr
el Ghazal**

Malek Alel
36,707 SSP

Watmuok
37,157 SSP

Kuajok
43,640 SSP

Warrap

Unity

Deim Zubeir
38,664 SSP

Wau
44,684 SSP

Warrap
40,625 SSP

Lakes

Akobo
72,607 SSP

Tonj
34,211 SSP

Rumbek
40,256 SSP

Panyagor
incomplete

Jonglei

Ethiopia

**Central
African
Republic**

Aduel
56,970 SSP

Akot
incomplete

Bor Town
54,958 SSP

Bor PoC
incomplete

Kalthok
40,309 SSP

**Western
Equatoria**

Mundri
47,463 SSP

Mangalla
70,972 SSP

**Eastern
Equatoria**

Lui
49,659 SSP

Yambio
29,881 SSP

Juba
48,190 SSP

Juba PoC
incomplete

Torit
46,160 SSP

**Central
Equatoria**

Yei
70,814 SSP

Nimule
57,553 SSP

**Democratic
Republic
of Congo**

Morobo
73,151 SSP

Uganda

Kenya

MSSMEB Costs

200% of median and above

50% of median and below

basket incomplete

no data

MSSMEB CONTENTS

Food Items

Cereals	90 kg	Vegetable oil	6 L
Pulses	9 kg	Salt	1 kg

NFIs (monthly)

Charcoal	50 kg	School fee	3 USD
Milling cost	30 kg	Exercise book	12 pcs
Bar soap	6 pcs	Pencil*	6 pcs
Bleach*	1.5 L	Pen*	6 pcs
Human drugs	10 USD	Rubber*	3 pcs
Airtime	30 min	Sharpener*	3 pcs
Transport	3 USD		

NFIs (one-off)*

Blanket	2 pcs	Sanitary pad	4 pcs
Mosquito net	2 pcs	Underwear	4 pcs
	1 pc	Kanga**	2 pcs
Kitchen set	2 pcs		
Jerrycan			

The Multi-Sectoral Survival Minimum Expenditure Basket (MSSMEB) represents the minimum culturally adjusted group of items required to support a six-person South Sudanese household for one month. The cost of the MSSMEB can be used as a proxy for the financial burdens facing households in different locations. The MSSMEB's contents were defined by the CWG in consultation with relevant sector leads.

* Only the MSSMEB's key elements (food and monthly NFIs, excluding bleach, pencils, pens, rubbers and sharpeners) were incorporated into the calculations in this factsheet. See appendix for more detail on the calculation of the MSSMEB.

** Traditional piece of garment

Cost of median MSSMEB (key items)

46,069 SSP

113.05 (at parallel market rate)

113.41 (at official rate)

Change since Sept 2021

522 SSP ▼ -1%

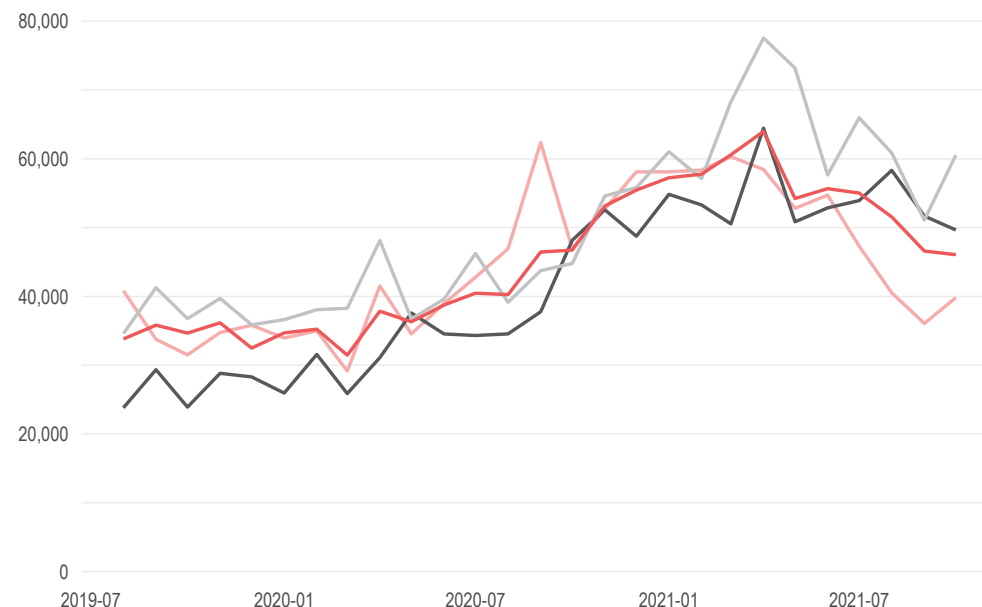**Change since Oct 2020**

660.79 SSP ▼ -1.41%

MSSMEB PER LOCATION

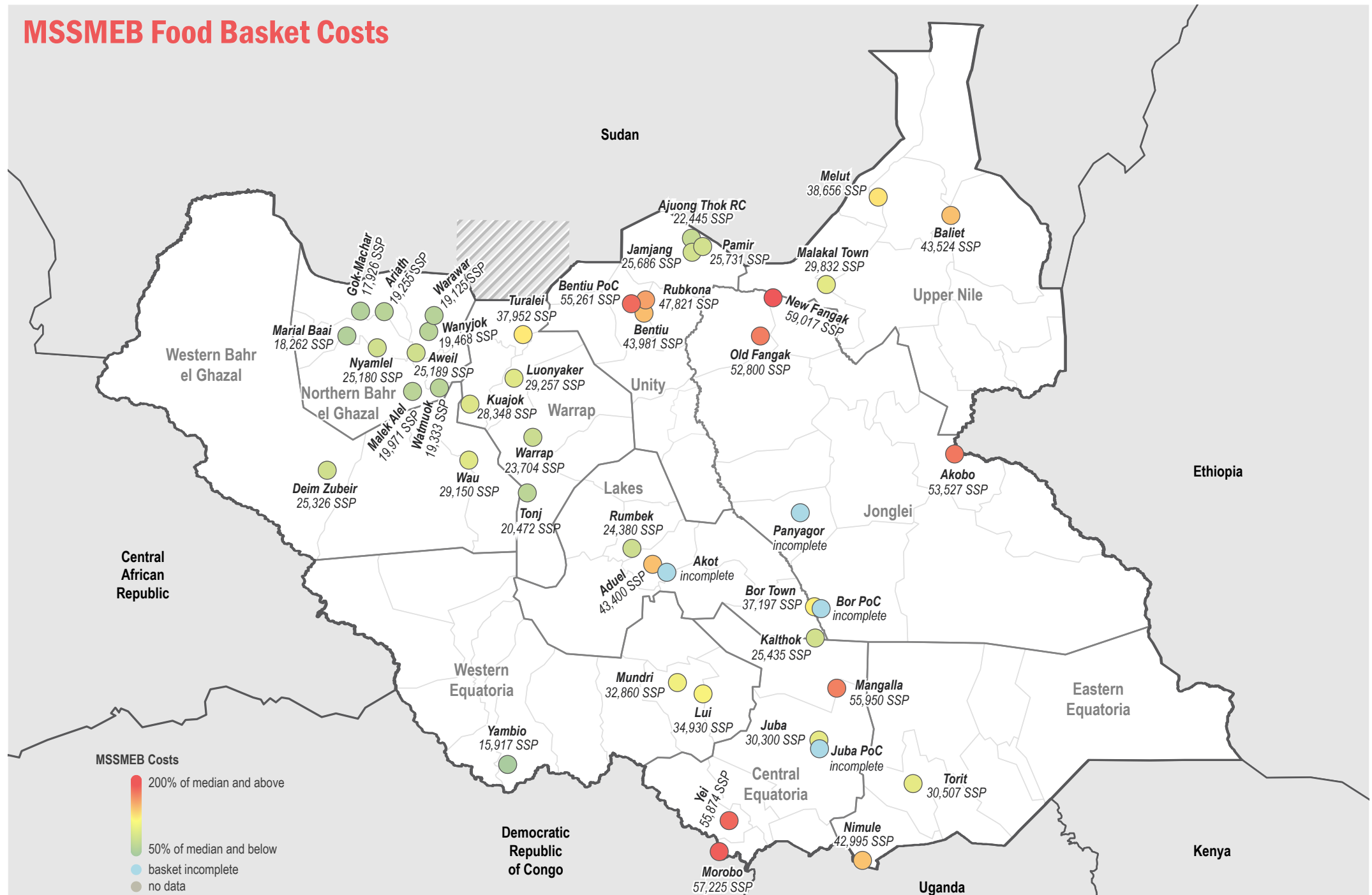| County	Location	MSSMEB key items in SSP	Change since Sept 2021	Change since Oct 2020	MSSMEB key items in USD†
Central Equatoria					
Juba	Juba PoC §	na	na	na	na
	Juba Town	48,190	▼ 7%	▶ 0%	118.26
	Mangala	70,972	na	na	179.67
Morobo	Morobo Town	73,151	▲ 40%	na	179.51
Yei	Yei Town	70,814	▲ 1%	na	173.78
Eastern Equatoria					
Magwi	Nimule	57,553	▼ 19%	▼ 27%	138.26
Torit	Torit Town	46,160	na	▼ 4%	113.28
Jonglei					
Akobo	Akobo Town	72,607	na	▲ 22%	178.18
Bor South	Bor Town	54,958	na	▲ 12%	133.23
	Bor PoC ⌡	na	na	na	na
Fangak	New Fangak	73,885	na	▲ 96%	181.31
	Old Fangak	72,839	na	na	186.77
Twic East	Panyagor	na	na	na	na
Lakes					
Awerial	Kalthok	40,309	▼ 36%	na	98.92
Rumbek Centre	Rumbek Town	40,256	▼ 27%	▼ 12%	98.79
Rumbek East	Aduel	56,970	▲ 18%	▼ 30%	139.80
	Akot	na	na	na	na
Northern Bahr el Ghazal					
Aweil Centre	Aweil Town	39,823	▲ 21%	▼ 15%	98.03
Aweil East	Wanyjok	37,956	na	na	90.91
	Warawar	32,171	▼ 10%	na	77.52
Aweil North	Ariath	32,646	▼ 10%	▼ 15%	81.61
	Gok-Machar	31,852	▼ 2%	▼ 26%	78.16
Aweil North	Malek Alel	36,707	na	na	88.45
	Watmuok	37,157	▲ 18%	na	89.81
Aweil West	Marial Baai	34,100	▼ 2%	▼ 18%	83.68
	Nyamlel Town	40,294	▲ 13%	▼ 13%	99.49
Unity					
Pariang	Ajuong Thok RC	35,664	▼ 19%	▶ 0%	86.46
	Jamjang	38,457	▼ 17%	▲ 31%	94.37
	Pamir RC	38,565	▼ 9%	▲ 48%	94.64
Rubkona	Bentiu	60,547	▲ 9%	▲ 32%	148.58
	Bentiu PoC	69,055	▲ 49%	na	169.46
	Rubkona	64,936	▲ 17%	▲ 34%	159.84
Upper Nile					
Baliet	Baliet Town	60,822	na	na	149.26
Malakal	Malakal Town	48,101	▼ 28%	na	119.14
Melut	Melut Town	53,135	▼ 4%	▲ 22%	129.60
Warrap					
Gogrial East	Luonyaker	46,069	▼ 4%	na	113.05
Gogrial West	Kuajok	43,640	▼ 5%	▼ 35%	107.09
Tonj North	Warrap Town	40,625	▲ 15%	na	99.08
Tonj South	Tonj Town	34,211	na	na	85.00
Twic	Turalei	59,498	▲ 8%	na	135.22
Western Bahr el Ghazal					
Raja	DeimZubier	38,664	na	▼ 24%	94.88
Wau	Wau Town	44,684	na	▼ 18%	110.33
Western Equatoria					
Mundri East	Lui	49,659	▲ 64%	na	121.86
Mundri West	Mundri Town	47,463	▲ 3%	na	116.47
Yambio	Yambio Town	29,881	▼ 25%	▼ 18%	74.01
Overall		46,069	▼ 1%	▼ 1%	113.05

† The parallel market rate was used for the conversion to USD.
⌡ The food basket was incomplete, or no SSP conversion rate was available.
§ No sorghum nor maize prices were available. No alternate cereal prices were available for Juba PoC, Bor PoC, Panyagor and Akot, therefore the MSSMEB has been left blank.

MSSMEB OVER TIME[5]
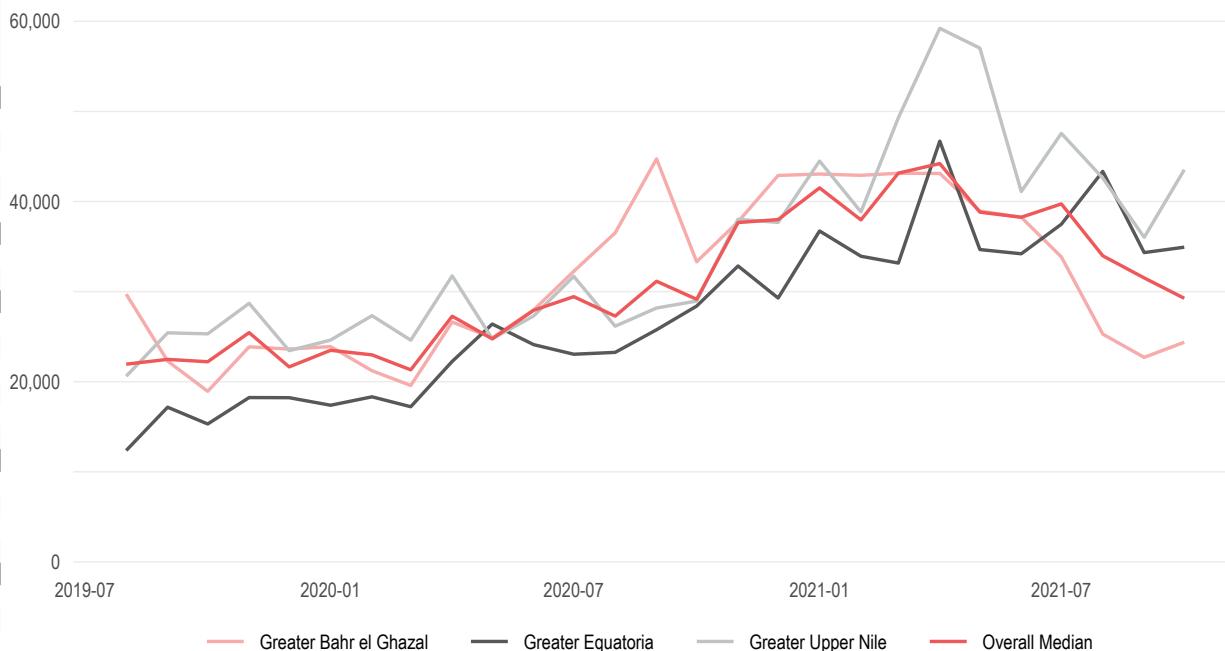
in SSP

Greater Bahr el Ghazal — Greater Equatoria — Greater Upper Nile — Overall Median

MSSMEB OVER TIME[5]

Indexed to August 2019 = 1.00[6]

Greater Bahr el Ghazal — Greater Equatoria — Greater Upper Nile — Overall Median

MSSMEB Food Basket Costs

Sudan

Melut
38,656 SSP

Ajuong Thok RC
22,445 SSP

Baliet
43,524 SSP

Pamir
25,731 SSP

Jamjang
25,686 SSP

Malakal Town
29,832 SSP

Upper Nile

Gok-Machar
17,926 SSP

Ariath
19,255 SSP

Warawar
19,125 SSP

Turalei
37,952 SSP

Bentiu PoC
55,261 SSP

Rubkona
47,821 SSP

New Fangak
59,017 SSP

Marial Baai
18,262 SSP

Wanyjok
19,468 SSP

Bentiu
43,981 SSP

Old Fangak
52,800 SSP

**Western Bahr
el Ghazal**

Nyamlel
25,180 SSP

Aweil
25,189 SSP

Luonyaker
29,257 SSP

Unity

**Northern Bahr
el Ghazal**

Malek Alel
19,971 SSP

Watmuok
19,333 SSP

Kuajok
28,348 SSP

Warrap

Deim Zubeir
25,326 SSP

Warrap
23,704 SSP

Wau
29,150 SSP

Lakes

Jonglei

Akobo
53,527 SSP

Ethiopia

Tonj
20,472 SSP

**Central
African
Republic**

Rumbek
24,380 SSP

Panyagor
incomplete

Akot
incomplete

Aduel
43,400 SSP

Bor Town
37,197 SSP

Bor PoC
incomplete

Kalthok
25,435 SSP

**Western
Equatoria**

Mundri
32,860 SSP

Mangalla
55,950 SSP

**Eastern
Equatoria**

Lui
34,930 SSP

Juba
30,300 SSP

Yambio
15,917 SSP

Juba PoC
incomplete

Torit
30,507 SSP

MSSMEB Costs

200% of median and above

50% of median and below

basket incomplete

no data

Yei
55,874 SSP

**Central
Equatoria**

Nimule
42,995 SSP

**Democratic
Republic
of Congo**

Morobo
57,225 SSP

Uganda

Kenya

INDICES PER LOCATION

County	Location	MSSMEB food basket in SSP	Change since Sept 2021	Change since Oct 2019	Food price index* in SSP	Change since Oct 2020	Change since Nov 2019
Central Equatoria							
Juba	Juba PoC	na	na	na	3,225	▲ 7%	na
	Juba Town	30,300	▼ 12%	▲ 6%	4,125	▼ 8%	▼ 6%
	Mangala	55,950	na	na	4,650	▲ 14%	na
Morobo	Morobo Town	57,225	▲ 55%	na	5,997	▲ 13%	na
Yei	Yei Town	55,874	▶ 0%	na	5,331	▲ 1%	▲ 51%
Eastern Equatoria							
Magwi	Nimule	42,995	▼ 23%	▼ 34%	5,492	▼ 2%	▼ 6%
Torit	Torit Town	30,507	na	▲ 8%	4,014	na	▲ 36%
Jonglei							
Akobo	Akobo Town	53,527	na	▲ 26%	5,480	na	na
Bor South	Bor Town	37,197	na	▲ 34%	4,371	na	▲ 35%
	Bor PoC	na	na	na	4,265	na	▲ 22%
Fangak	New Fangak	59,017	na	▲ 132%	5,269	▼ 11%	▲ 23%
	Old Fangak	52,800	na	na	5,908	na	na
TwicEast	Panyagor	na	na	na	4,535	▼ 9%	▼ 21%
Lakes							
Awerial	Kalthok	25,435	▼ 48%	na	3,963	▼ 10%	na
Rumbek Centre	Rumbek Town	24,380	▼ 25%	▼ 22%	3,449	▼ 19%	▼ 29%
Rumbek East	Aduel	43,400	▲ 29%	▼ 35%	4,250	▲ 9%	▼ 24%
	Akot	na	na	na	4,241	▼ 12%	na
Northern Bahr el Ghazal							
Aweil Centre	Aweil Town	25,189	▲ 30%	▼ 22%	3,877	▲ 42%	▼ 15%
Aweil East	Wanyjok	19,468	na	na	3,464	▼ 42%	na
	Warawar	19,125	▼ 1%	na	3,261	▲ 4%	na
Aweil North	Ariath	19,255	▼ 14%	▼ 25%	4,019	▲ 5%	▼ 15%
	Gok-Machar	17,926	▼ 10%	▼ 38%	4,521	▲ 14%	▲ 7%
Aweil South	Malek Alel	19,971	na	na	3,806	▲ 2%	na
	Watmuok	19,333	▲ 12%	na	3,501	▲ 1%	na
Aweil West	Marial Baai	18,262	▼ 16%	▼ 37%	4,619	▲ 1%	▶ 0%
	Nyamlel Town	25,180	▲ 11%	▼ 24%	5,065	▲ 21%	▲ 2%
Unity							
Pariang	AjuongThok RC	22,445	▼ 26%	▲ 4%	3,878	▼ 3%	▼ 12%
	Jamjang	25,686	▼ 23%	▲ 58%	4,425	▼ 5%	▲ 5%
	Pamir RC	25,731	▼ 12%	▲ 103%	4,540	▼ 1%	▲ 25%
Rubkona	Bentiu	43,981	▲ 8%	▲ 51%	6,300	▲ 1%	▲ 16%
	Bentiu PoC	55,261	▲ 81%	▲ 51%	4,671	▲ 28%	▲ 12%
	Rubkona Town	47,821	▲ 23%	▲ 54%	6,057	▼ 6%	▲ 12%
Upper Nile							
Baliet	Baliet Town	43,524	na	na	5,746	na	na
Malakal	Malakal Town	29,832	▼ 40%	na	5,048	▼ 36%	na
Melut	Melut Town	38,656	▶ 0%	▲ 33%	6,446	▼ 17%	▲ 38%
Warrap							
Gogrial East	Luonyaker	29,257	▼ 9%	na	4,659	▲ 11%	na
Gogrial West	Kuajok	28,348	▼ 10%	▼ 45%	3,687	▼ 8%	▼ 14%
Tonj North	Warrap Town	23,704	▲ 21%	na	4,295	▲ 26%	na
Tonj South	Tonj Town	20,472	na	na	4,050	▼ 14%	na
Twic	Turalei	37,952	▲ 4%	na	4,742	▼ 15%	na
Western Bahr el Ghazal							
Raja	Deim Zubeir	25,326	na	▼ 34%	5,073	na	▲ 33%
Wau	Wau Town	29,150	na	▼ 24%	3,650	na	▶ 0%
Western Equatoria							
Mundri East	Lui	34,930	▲ 168%	na	4,260	▲ 27%	na
Mundri West	Mundri	32,860	▲ 10%	na	3,655	▲ 7%	na
Yambio	Yambio	15,917	▼ 40%	▼ 28%	3,172	▼ 10%	▼ 29%
Overall		29,257	▼ 7%	▶ 0%	4,371	▲ 1%	▼ 6%

* The food price index was calculated by adding up the median prices of one unit of each assessed food item. Where the median value is not available, the median price across all locations was used for the calculation of the index.
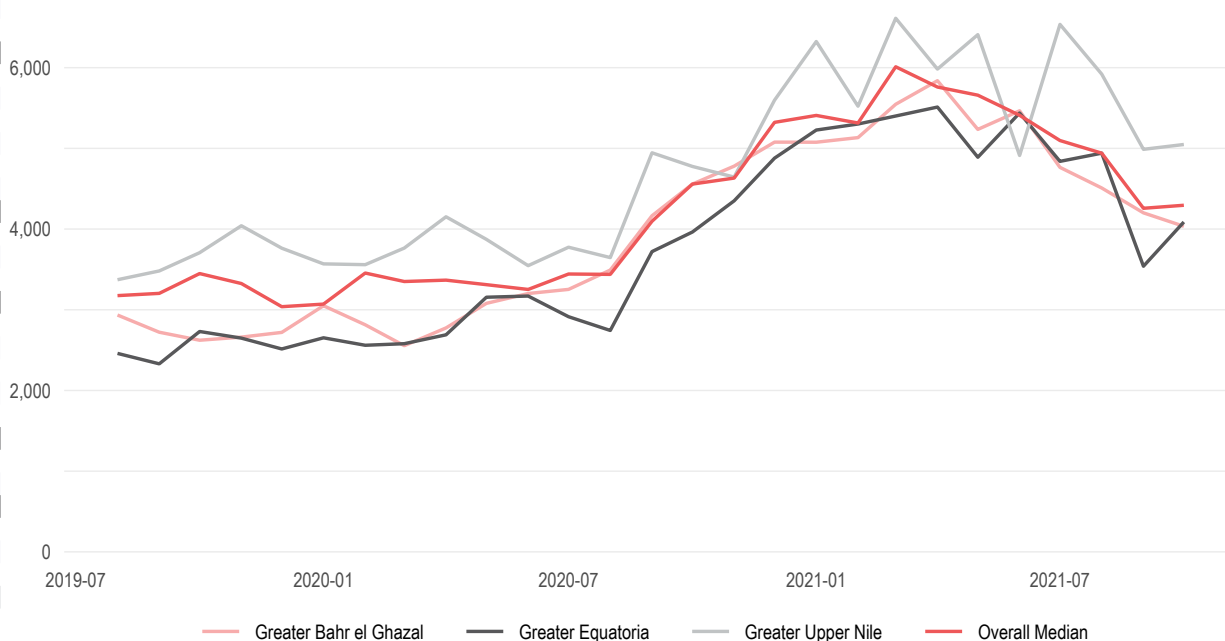
MSSMEB FOOD BASKET OVER TIME[5]
in SSP

— Greater Bahr el Ghazal — Greater Equatoria — Greater Upper Nile — Overall Median

FOOD PRICE INDEX OVER TIME[5]
in SSP

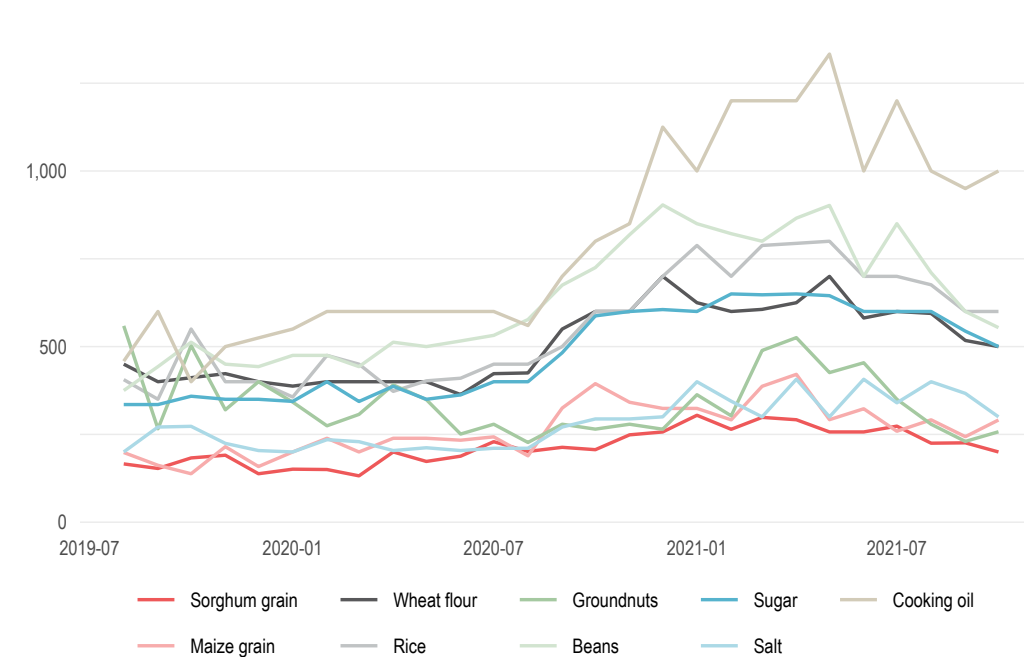— Greater Bahr el Ghazal — Greater Equatoria — Greater Upper Nile — Overall Median

PRICES OF MONITORED ITEMS

Item	Unit	Median price in SSP	Change since Sept 2020	Change since Oct 2019	Median price in USD
Food Items					
Sorghum grain	1 kg	200	▼ 12%	▼ 3%	0.49
Maize grain	1 kg	291	▲ 20%	▼ 26%	0.71
Wheat flour	1 kg	500	▼ 3%	▼ 17%	1.23
Rice	1 kg	600	► 0%	► 0%	1.47
Groundnuts (shelled)	1 kg	258	▲ 12%	▼ 3%	0.63
Beans	1 kg	554	▼ 8%	▼ 24%	1.36
Sugar	1 kg	500	▼ 8%	▼ 15%	1.23
Salt	1 kg	300	▼ 18%	▲ 2%	0.74
Cooking oil	1 L	1,000	▲ 5%	▲ 25%	2.45
Water*	1 L	30	▼ 16%	▲ 1%	1.0
NFIs					
Soap	200 g	129	▼ 3%	▲ 10%	0.32
Jerrycan	1 pc	1,000	► 0%	▲ 100%	2.45
Mosquito net	1 pc	1,500	▲ 20%	▼ 33%	3.68
Exercise book	1 pc	280	▼ 3%	▲ 19%	0.69
Blanket	1 pc	3,250	▼ 7%	▼ 19%	7.98
Cooking pot	1 pc	4,250	▲ 6%	▲ 6%	10.43
Plastic sheet	1 pc	7,000	▲ 2%	▼ 2%	17.18
Pole	1 pc	900	▲ 3%	▼ 10%	2.21
Firewood	1 bundle	575	▲ 15%	▲ 35%	1.41
Charcoal	1 kg	116	▲ 9%	▲ 34%	0.28
Livestock Items					
Goat	1 goat	15,750	▲ 3%	▲ 10%	38.65
Chicken	1 chicken	2,500	▲ 11%	▲ 47%	6.13
Services					
Milling costs	1 kg	43	► 0%	▲ 43%	0.11
Currencies					
US dollar	1 USD	408	► 0%	▼ 16%	
Sudanese pound	1 SDG	0	▼ 27%	▼ 53%	
Ethiopian birr	1 ETB	0	► 0%	► 0%	
Ugandan shilling	1 UGX	0.144	► 0%	▼ 5%	
Kenyan shilling	1 KES	3.538	► 0%	▼ 22%	

* Prices only collected for Juba Town

FOOD PRICES OVER TIME
in SSP

Legend: Sorghum grain, Wheat flour, Groundnuts, Sugar, Cooking oil, Maize grain, Rice, Beans, Salt

NFI PRICES OVER TIME
in SSP

Legend: Soap, Mosquito net, Pole, Jerrycan, Exercise book, Charcoal
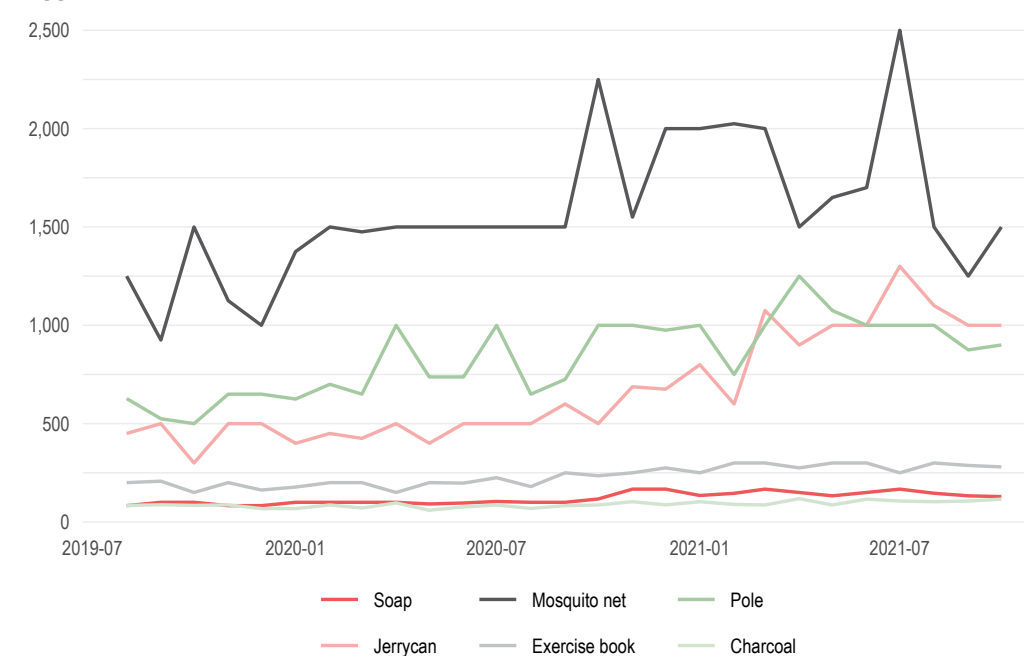
NFI PRICES OVER TIME CONT.
in SSP

Legend: Blanket, Cooking pot, Plastic sheet
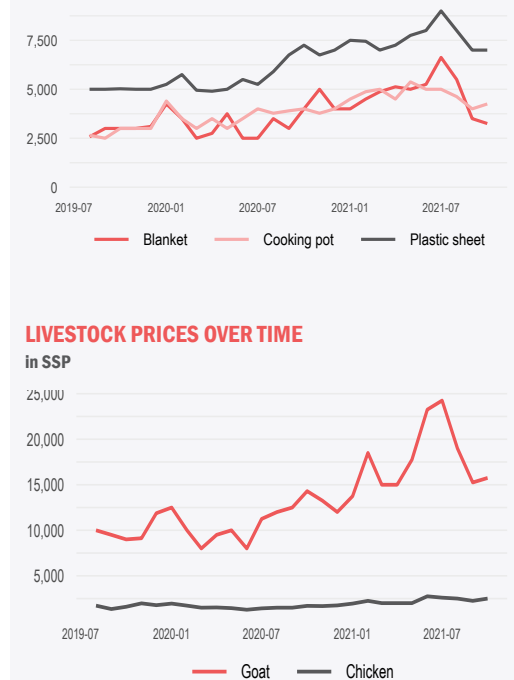
LIVESTOCK PRICES OVER TIME
in SSP

Legend: Goat, Chicken
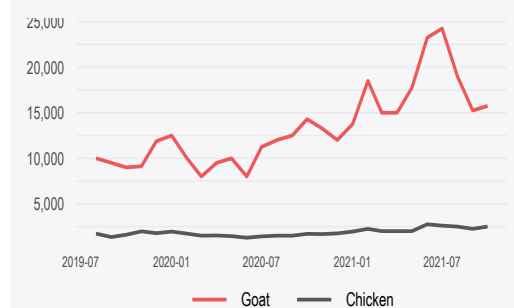
USD EXCHANGE RATE OVER TIME

Legend: USD/SSP (parallel market), USD/SSP (official)
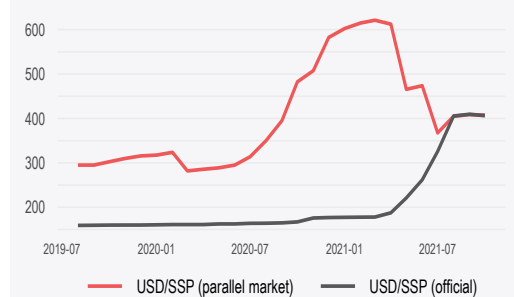
OTHER EXCHANGE RATES OVER TIME
(Parallel market rates)

Legend: SDG/SSP, ETB/SSP

Main NFI Supply Routes

N

Sudan

Upper Nile

Melut

Ajuong Thok RC
Pamir
Jamjang
Malakal Town
New Fangak
Baliet
Bentiu PoC
Rubkona
Bentiu
Unity
Old Fangak

Gok-Machar   Ariath
Warawar
Turalei
Marial Baai
Nyamlel   Wanyjok
Wathmuok
Aweil   Luonyaker
Malek Alel   Kuajok
Northern Bahr el Ghazal

Western Bahr el Ghazal

Warrap
Warrap

Deim Zubeir

Wau

Tonj

Lakes
Rumbek
Aduel   Akot

Panyagor

Jonglei

Central African Republic

Bor Town
Bor PoC
Kalthok

Mundri
Lui
Mangala

Eastern Equatoria

Western Equatoria

Yambio

Juba
Juba PoC

Central Equatoria

Torit

Yei

Morobo

Nimule

Democratic Republic of Congo

Kenya

Ethiopia

Akobo

Uganda

	Supply route (landway)
	Supply route (waterway)
	Supply route (airway)

100 km
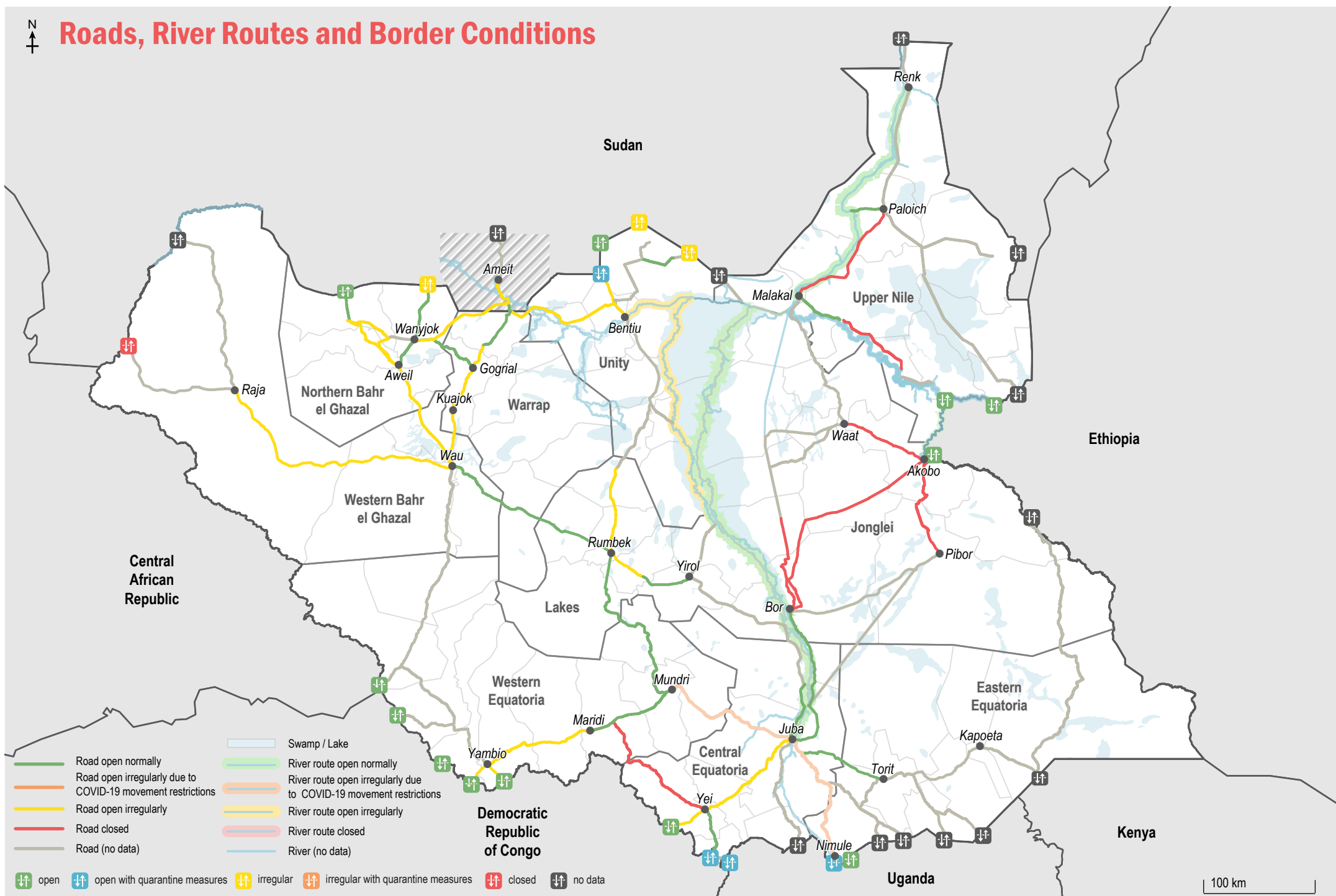
This map illustrates where vendors reported their market location to be supplied from with NFIs. Only the most frequently reported non-food supply market connection is shown for each location. Additional linkages and supply routes may exist.
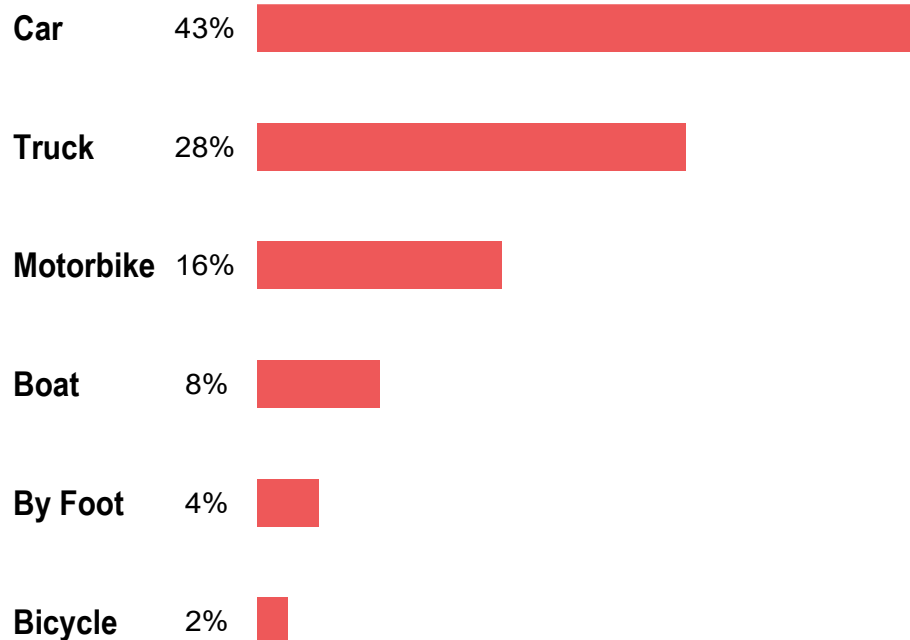
Roads, River Routes and Border Conditions

N

Sudan

Renk

Paloich

Upper Nile

Ameit

Wanyjok

Bentiu

Malakal

Aweil

Gogrial

Unity

Kuajok

Northern Bahr
el Ghazal

Warrap

Raja

Waat

Wau

Akobo

Western Bahr
el Ghazal

Jonglei

Pibor

Central
African
Republic

Rumbek

Yirol

Bor

Lakes

Mundri

Eastern
Equatoria

Western
Equatoria

Maridi

Kapoeta

Yambio

Juba

Central
Equatoria

Torit

Democratic
Republic
of Congo

Yei

Nimule

Ethiopia

Kenya

Uganda

Legend

Road open normally		Swamp / Lake
Road open irregularly due to COVID-19 movement restrictions		River route open normally
Road open irregularly		River route open irregularly due to COVID-19 movement restrictions
Road closed		River route open irregularly
Road (no data)		River route closed
		River (no data)

open · open with quarantine measures · irregular · irregular with quarantine measures · closed · no data
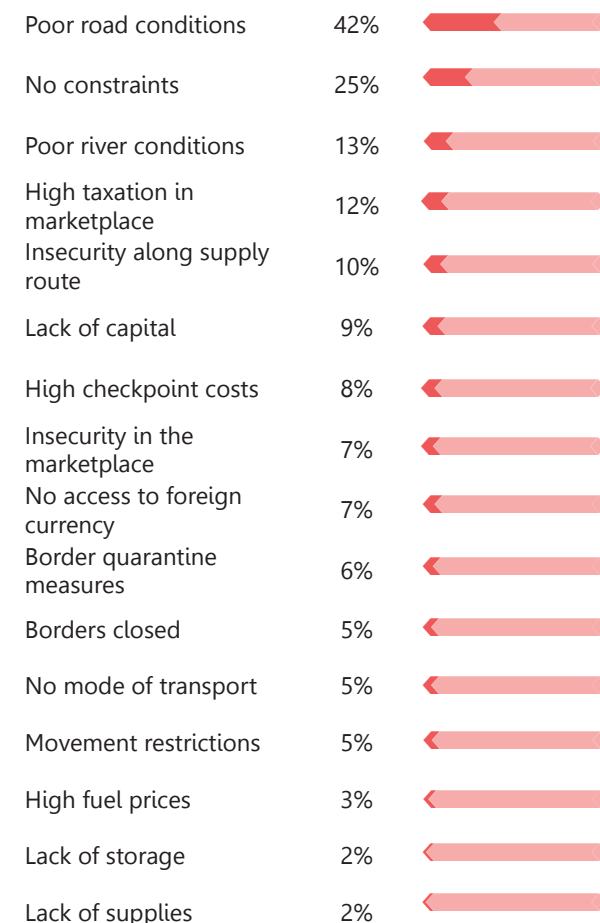
The map illustrates the reported road, river route and border crossing conditions at the time of data collection. The results are indicative of trade activity only.
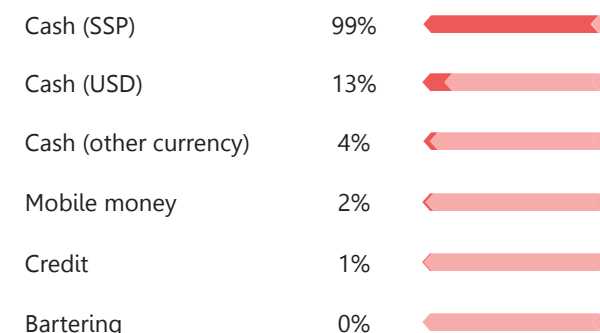
100 km

Additional Indicators
Primary modes of transport for restocking local cereals reported by traders

Car 43%

Truck 28%

Motorbike 16%

Boat 8%

By Foot 4%

Bicycle 2%

2 days — median reported additional time needed to restock for traders that reported undergoing quarantine measures at border crossings.

3 days — median reported time to restock locally produced cereals from out of town

5 days — median reported number of days needed to restock NFIs from out of town

50% of staple cereal traders reported restocking from a local producer

28% of traders reported restocking NFIs from a wholesaler in town

32% of food traders expect price increases

27% of food traders do not expect price changes

25% of food traders expect price decreases

16% of food traders do not have any price expectations

30% of non-food traders expect price increases

19% of non-food traders do not expect price changes

32% of non-food traders expect price decreases

19% of non-food traders do not have any price expectations

Reported restocking constraints*

Poor road conditions	42%
No constraints	25%
Poor river conditions	13%
High taxation in marketplace	12%
Insecurity along supply route	10%
Lack of capital	9%
High checkpoint costs	8%
Insecurity in the marketplace	7%
No access to foreign currency	7%
Border quarantine measures	6%
Borders closed	5%
No mode of transport	5%
Movement restrictions	5%
High fuel prices	3%
Lack of storage	2%
Lack of supplies	2%

Accepted payment modalities*

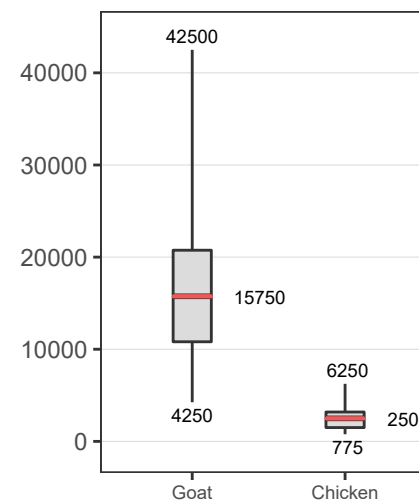|	
Cash (SSP)	99%
Cash (USD)	13%
Cash (other currency)	4%
Mobile money	2%
Credit	1%
Bartering	0%

* Values do not add up to 100% as traders were allowed to select multiple options.

Distribution of Prices

Food Items
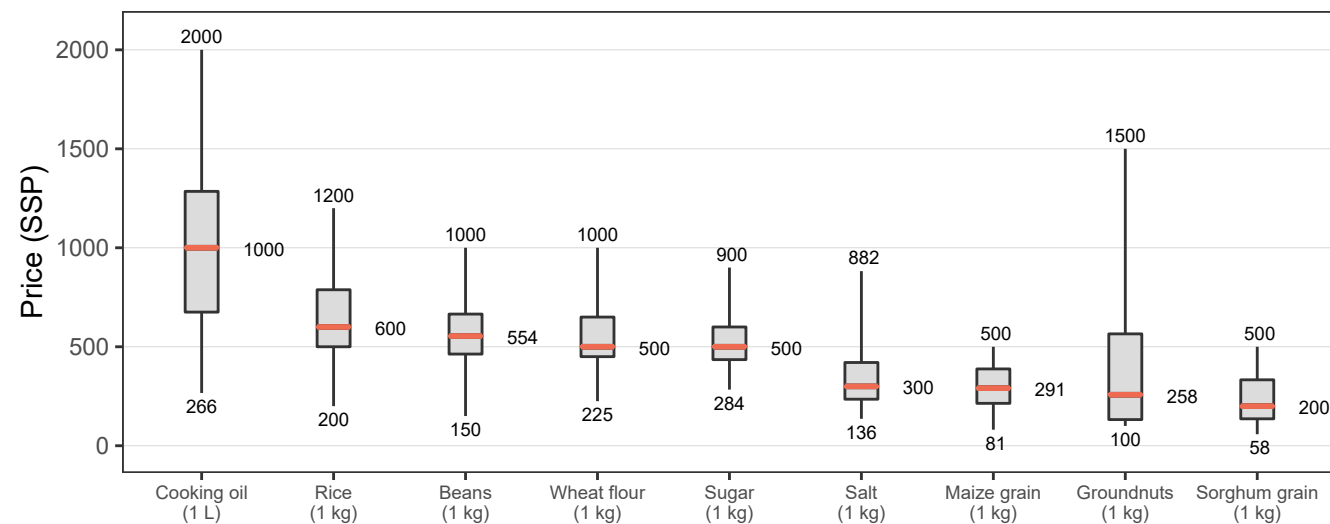
Livestock
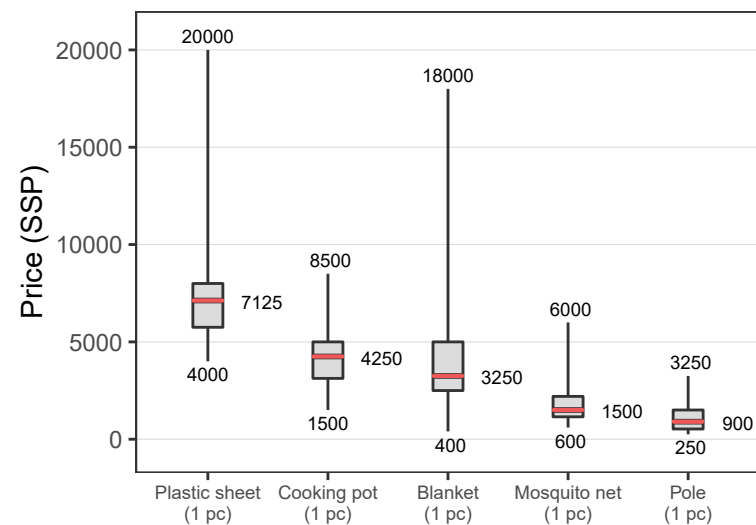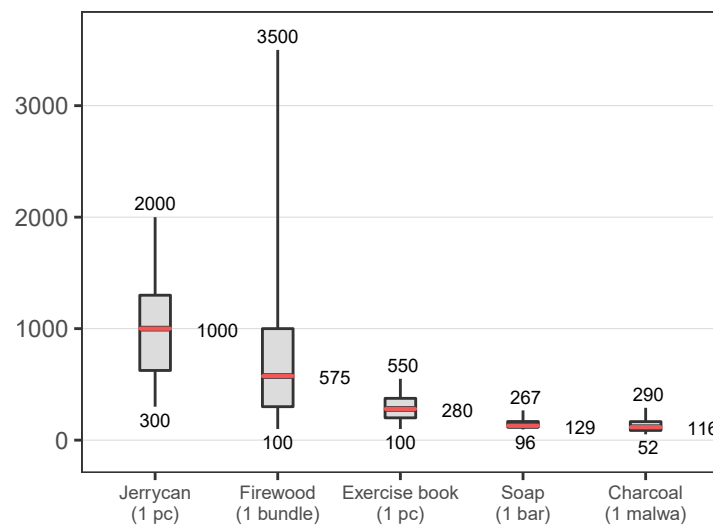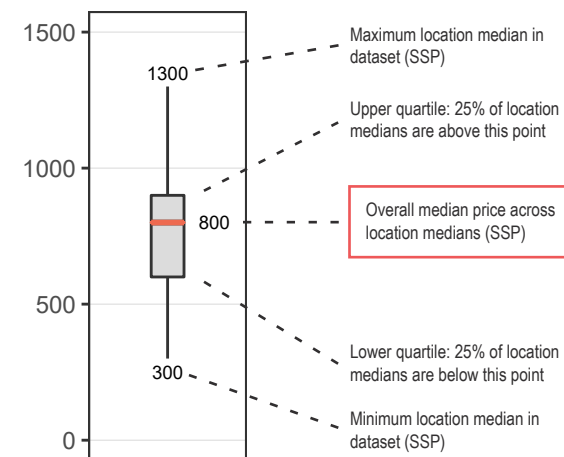

Services
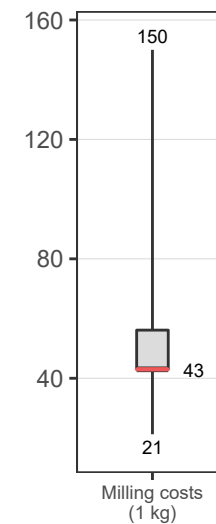
NFIs

NFIs cont.

How to read a boxplot

Maximum location median in dataset (SSP)

Upper quartile: 25% of location medians are above this point

Overall median price across location medians (SSP)

Lower quartile: 25% of location medians are below this point

Minimum location median in dataset (SSP)

* The 'location median' is calculated by first finding the median price of a given item in each assessed location, then taking the median of the resulting set of median prices.

MEDIAN ITEM PRICES PER LOCATION (in SSP)

County	Location	Sorghum grain (1 kg)	Maize grain (1 kg)	Wheat flour (1 kg)	Rice (1 kg)	Groundnuts (shelled) (1 kg)	Beans (1 kg)	Sugar (1 kg)	Salt (1 kg)	Cooking oil (1 L)	Water (1 L)	Soap (200 g)	Jerrycan (1 pc)	Mosquito net (1 pc)	Exercise book (1 pc)	Blanket (1 pc)	Cooking pot (1 pc)	Plastic sheet (1 pc)	Pole (1 pc)	Firewood (1 bundle)	Charcoal (1 kg)	Goat (1 unit)	Chicken (1 unit)	Milling costs (1 kg)
Central Equatoria																								
Juba	Juba PoC	na	na	282	225	na	333	na	136	na	na	100	na	na	na	na	na	na	na	na	87	na	na	107
	Juba Town	250	225	400	600	600	550	400	300	800	na	100	500	2,200	400	3,000	2,900	5,500	2,000	1,500	174	42,500	6,250	40
	Mangala	na	500	500	500	500	500	500	450	na	na	133	500	1,000	300	1,200	5,000	6,000	na	2,000	116	20,000	3,000	50
Morobo	Morobo Town	425	486	650	788	838	665	645	300	1,200	na	133	1,100	2,250	500	2,750	5,000	7,000	450	200	66	na	na	28
Yei	Yei Town	382	486	500	676	768	665	538	350	967	na	125	900	1,500	300	2,750	4,250	6,750	350	800	na	29,000	6,000	21
Eastern Equatoria																								
Magwi	Nimule	377	359	704	788	698	721	645	600	600	na	117	625	2,000	250	3,250	2,250	4,000	375	1,313	116	na	na	35
Torit	Torit Town	170	194	300	600	303	500	400	147	1,400	na	100	1,000	na	na	5,000	7,000	6,500	2,000	500	116	20,000	5,000	150
Jonglei																								
Akobo	Akobo Town	403	359	563	563	na	554	509	271	2,000	na	na	1,000	1,500	400	na	2,500	20,000	1,500	300	207	na	na	na
BorSouth	Bor Town	279	na	650	400	na	443	450	300	1,300	na	125	na	2,500	200	5,000	6,750	14,500	na	975	241	28,000	na	na
	Bor_PoC	na	na	563	450	na	554	430	320	1,200	na	100	na	na	na	na	na	na	na	na	na	na	na	na
Fangak	NewFangak	464	na	563	450	na	na	419	271	2,000	na	267	na	na	na	na	na	6,500	na	na	87	15,000	1,000	na
	OldFangak	400	500	550	700	na	500	700	300	2,000	na	267	500	2,000	na	na	na	8,000	1,500	3,500	249	8,000	1,350	114
Twic East	Panyagor	na	na	300	676	na	665	645	na	1,200	na	133	na	na	200	na	na	15,000	2,000	2,000	276	30,000	4,000	57
Lakes																								
Awerial	Kalthok	164	na	na	425	na	475	450	400	1,000	na	133	400	na	275	1,500	na	na	na	na	na	na	na	na
Rumbek Centre	Rumbek Town	137	211	225	500	151	650	375	200	na	na	100	1,500	1,100	375	3,250	4,400	7,250	na	na	na	10,750	3,750	43
Rumbek East	Aduel	350	300	400	500	200	600	400	500	na	na	125	700	1,750	275	2,750	3,500	5,500	na	275	75	10,000	775	40
	Akot	na	na	450	600	100	600	400	600	1,000	na	133	na	na	na	na	na	na	250	700	73	14,000	1,500	125
Northern Bahr el Ghazal																								
Aweil Centre	Aweil Town	145	na	450	525	132	600	450	184	1,100	na	97	1,400	1,100	150	6,500	3,250	5,750	1,750	225	166	22,000	2,750	43
Aweil East	Wanyjok	123	na	458	400	na	451	600	184	700	na	117	900	1,000	550	na	4,750	5,000	550	375	124	17,500	2,650	43
	Warawar	136	na	na	600	113	na	500	300	267	na	117	na	na	100	na	5,000	7,000	500	300	124	10,000	1,200	43
Aweil North	Ariath	65	na	450	600	113	800	450	250	1,000	na	117	1,000	1,075	150	5,000	4,000	7,000	1,000	150	124	13,500	1,300	na
	Gok-Machar	58	na	650	800	123	na	575	220	1,250	na	100	1,700	1,600	200	na	na	5,750	1,500	500	121	18,500	1,500	43
Aweil South	Malek Alel	129	na	458	500	530	451	600	147	700	na	117	1,000	1,500	500	na	5,500	5,000	650	575	87	17,500	3,750	43
	Watmuok	121	na	496	400	na	451	600	184	700	na	117	1,000	1,500	500	na	5,000	5,500	600	500	124	15,000	2,500	43
Aweil West	Marial Baai	65	na	700	825	113	na	600	271	1,200	na	100	na	na	250	na	2,500	8,000	900	500	166	na	na	39
	Nyamlel Town	92	na	650	800	132	1,000	600	220	1,280	na	100	2,000	1,550	200	na	na	7,500	1,500	100	166	18,000	1,400	29
Unity																								
Pariang	AjuongThok_RC	191	na	450	1,000	na	222	500	500	467	na	133	na	1,800	275	2,500	3,000	9,500	na	na	58	na	na	43
	Jamjang	198	na	500	1,200	na	na	500	525	400	na	150	na	2,500	200	na	na	na	na	na	73	25,000	na	43
	Pamir_RC	173	na	500	1,000	na	751	500	600	467	na	133	na	1,500	250	na	na	na	na	na	58	na	na	43
Rubkona	Bentiu	287	279	na	1,021	701	820	672	271	1,750	na	200	300	6,000	250	18,000	4,000	16,000	3,250	200	166	5,750	2,000	54
	Bentiu_PoC	500	na	1,000	200	567	na	284	475	800	na	233	na	na	na	na	na	na	na	100	58	na	na	43
	Rubkona Town	333	282	na	839	701	820	611	271	1,700	na	200	na	5,250	300	na	3,000	14,750	3,000	225	166	7,750	2,750	50
Upper Nile																								
Baliet	Baliet Town	355	na	1,000	1,200	na	na	na	588	na	na	267	na	na	400	na	na	8,000	na	na	116	na	1,500	57
Malakal	Malakal Town	205	na	800	1,000	na	na	na	441	na	na	267	na	2,700	375	na	4,900	na	850	375	161	15,000	1,450	57
Melut	Melut Town	303	389	800	800	1,500	na	700	400	na	na	200	400	1,500	200	2,000	1,500	na	250	1,250	116	13,000	2,000	50
Warrap																								
Gogrial East	Luonyaker	na	478	704	732	182	na	538	271	na	na	159	na	1,150	300	na	8,500	7,500	550	2,000	166	7,500	na	43
Gogrial West	Kuajok	na	385	500	490	132	900	497	250	333	na	117	350	1,050	375	na	6,500	7,500	900	1,900	87	13,500	1,500	65
Tonj North	Warrap Town	136	170	600	638	303	577	600	271	na	na	167	1,300	625	300	900	3,750	5,750	300	575	166	4,250	2,250	43
Tonj South	Tonj Town	136	81	350	600	151	150	700	882	1,000	na	133	1,500	600	250	400	3,500	8,000	450	800	87	18,250	2,500	57
Twic	Turalei	300	340	700	700	250	250	na	302	1,400	na	233	800	1,200	300	4,500	1,500	5,000	1,000	350	290	7,000	2,500	na
Western Bahr el Ghazal																								
Raja	Deim Zubeir	96	na	700	600	132	na	na	na	1,900	na	167	2,000	1,500	na	na	na	na	na	na	52	16,500	2,500	57
Wau	Wau	200	125	500	525	150	750	500	200	700	na	200	950	2,000	300	7,500	5,000	8,000	1,750	1,000	116	11,000	3,000	43
Western Equatoria																								
Maridi	Lui	228	267	600	600	265	500	400	400	1,000	na	117	1,000	3,750	300	8,000	4,550	15,000	750	875	110	21,000	4,500	25
Maridi	Mundri Town	206	259	500	500	340	500	300	250	800	na	100	800	3,900	280	7,725	3,950	13,500	725	1,000	116	24,000	4,500	28
Yambio	Yambio Town	na	97	400	450	559	443	323	200	500	na	117	1,500	na	200	na	5,000	7,000	1,000	1,000	121	32,500	3,000	43
Overall median		200	291	500	600	258	554	500	300	1,000	30	129	1,000	1,500	280	3,250	4,250	7,000	900	575	116	15,750	2,500	43

na: no price data available, *ETB price reported as no SSP trading rate available

MEDIAN STOCK LEVELS PER LOCATION (in days)

County	Location	Sorghum grain	Maize grain	Wheat flour	Rice	Groundnuts (shelled)	Beans	Sugar	Salt	Cooking oil	Soap	Jerrycan	Mosquito net	Exercise book	Blanket	Cooking pot	Plastic sheet	Median time to restock local staple cereals	Median time to restock imported food items	Median time to restock NFIs
Central Equatoria																				
Juba	Juba PoC	na	na	14	11	na	7	na	na	na	7	na	na	na	na	na	na	na	7	1
	Juba Town	21	18	30	26	26	30	21	21	21	21	21	21	21	21	18	60	3	4	5
	Mangala	30	41	30	30	18	30	30	30	30	26	26	30	30	21	21	14	na	30	30
Morobo	Morobo Town	14	14	7	7	14	na	na	na	na	na	na	na	na	na	na	na	na	na	2
Yei	Yei Town	21	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	3
Eastern Equatoria																				
Magwi	Nimule	18	21	21	41	14	14	21	105	21	18	14	41	135	90	105	75	5	3	3
Torit	Torit Town	30	30	30	30	21	30	30	30	30	45	60	90	60	105	135	120	na	30	8
Jonglei																				
Akobo	Akobo Town	19	60	60	45	30	45	90	60	60	60	7	11	105	na	45	7	na	7	7
BorSouth	Bor Town	90	na	60	60	na	75	75	60	60	60	na	60	97	60	105	60	na	3	3
	Bor_PoC	na	na	14	11	na	7	21	21	11	26	na	na	na	na	na	na	na	1	1
Fangak	NewFangak	14	na	30	30	na	na	14	14	30	30	na	na	na	na	na	7	na	11	11
	OldFangak	30	na	52	11	na	7	30	18	60	30	na	18	na	na	na	7	30	23	27
Twic East	Panyagor	na	na	90	90	na	90	90	90	90	90	na	na	90	na	na	90	na	na	5
Lakes																				
Awerial	Kalthok	30	na	na	30	na	30	30	30	30	30	28	na	30	30	na	na	na	5	7
Rumbek Centre	Rumbek Town	7	10	11	14	14	11	na	25	45	7	22	21	14	60	60	60	na	na	14
Rumbek East	Aduel	45	41	40	22	14	na	26	14	30	7	30	22	30	22	30	60	5	5	3
	Akot	na	na	60	90	105	120	105	60	75	90	na	na	na	na	na	na	na	5	5
Northern Bahr el Ghazal																				
Aweil Centre	Aweil Town	14	na	14	14	14	14	14	14	14	18	21	14	14	18	21	18	2	4	6
Aweil East	Wanyjok	14	na	21	18	na	14	18	14	14	14	21	18	75	na	21	14	na	5	5
	Warawar	21	na	na	6	6	na	14	14	7	14	na	na	21	na	21	14	na	2	na
Aweil North	Ariath	120	na	60	30	150	45	90	18	14	14	18	18	21	7	60	25	na	1	5
	Gok-Machar	21	na	21	14	11	na	18	na	7	14	na	18	na	na	na	6	3	1	2
Aweil South	Malek Alel	18	na	21	14	21	14	14	14	14	14	14	14	26	na	21	21	1	5	5
	Watmuok	18	na	14	18	na	14	11	14	14	14	21	7	28	na	21	14	1	5	1
Aweil West	Marial Baai	60	na	18	na	34	60	26	na	na	37	na	na	na	na	21	na	1	1	1
	Nyamlel Town	14	na	90	21	18	21	14	60	14	na	21	21	14	na	na	48	2	2	1
Unity																				
Pariang	AjuongThok_RC	30	na	29	60	na	30	60	30	28	28	na	21	45	14	60	60	na	17	18
	Jamjang	18	na	21	30	na	21	30	30	18	30	na	28	60	na	na	na	4	na	11
	Pamir_RC	14	na	28	30	na	21	30	30	21	28	na	45	45	na	na	na	5	10	6
Rubkona	Bentiu	21	14	11	14	14	14	14	21	14	21	14	14	14	21	14	14	na	8	8
	Bentiu_PoC	22	22	30	30	30	na	30	30	30	60	na	na	na	na	na	na	na	30	15
	Rubkona Town	21	18	21	18	21	21	28	21	18	21	28	21	25	25	25	18	na	9	9
Upper Nile																				
Baliet	Baliet Town	22	na	21	26	na	na	21	30	30	30	na	na	60	na	na	26	2	na	4
Malakal	Malakal Town	21	na	60	21	na	60	21	90	60	21	na	26	60	na	26	30	9	6	9
Melut	Melut Town	30	30	60	30	21	19	60	21	60	21	21	90	135	135	60	150	3	1	1
Warrap																				
Gogrial West	Luonyaker	na	26	18	21	18	21	14	21	14	21	na	25	14	na	75	21	na	na	na
Gogrial West	Kuajok	na	13	21	58	21	19	35	21	46	17	21	21	22	na	60	21	13	8	5
Tonj North	Warrap Town	21	75	60	60	26	30	30	75	na	75	45	75	60	75	75	75	1	1	1
Tonj South	Tonj Town	14	18	14	14	28	18	14	21	14	14	14	14	7	21	14	21	na	15	16
Twic	Turalei	22	14	22	14	14	14	14	7	7	7	11	11	14	14	7	7	na	na	na
Western Bahr el Ghazal																				
Raja	DeimZubier	21	na	26	21	90	na	30	na	30	30	60	41	na	na	na	na	na	2	2
Wau	Wau Town	18	37	18	18	18	18	18	18	18	18	18	18	18	18	18	18	na	30	30
Western Equatoria																				
Mundri East	Lui	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	4	5	5
Mundri West	Mundri Town	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	5	5	5
Yambio	Yambio Town	na	7	na	22	na	7	na	11	na	37	na	na	na	na	na	na	na	25	25

na : no stock level data available   : none of the interviewed traders reported being able to restock this item

METHODOLOGY

The JMMI aims to inform market-based programming in South Sudan. Coverage depends on the interest of the partner organisations and their field teams' capacities to regularly collect market data. Locations are added once partners willing to cover them are identified, and their field teams are trained. As the initiative is currently being built up, coverage will likely be expanded in future data collection rounds.

In each assessed location, at least four prices per food, non-food, and livestock item need to be collected from different traders to ensure the quality and consistency of the collected data (2 for currencies and milling costs, 5 for casual labour). In line with the purpose of the JMMI, only the prices of the cheapest available types are recorded for each item.

Partner field teams identify traders to assess based on the following criteria:

- Traders are retailers selling directly to consumers.
- Traders with weight scales are prioritised when recording prices of dry food items.
- Traders need to be representative of the local price level.
- To the extent possible, the same traders are revisited in every data collection round.

The data is collected by field staff familiar with the local market conditions. They are trained on methodology and tools by REACH. Data collection is conducted through the ODK Collect mobile application. The data collection tool is published alongside the dataset every month and disseminated to the humanitarian community.

Following data collection, REACH compiles and cleans all partner data, normalising prices, cross-checking outliers, and calculating the median cost of an MSSMEB in each assessed location. The median item prices reported in this factsheet are 'location medians', designed to minimise the effects of outliers and differing amounts of data among assessed locations. First, the median prices of all assessed items are calculated within each assessed location; then, REACH calculates the median of this list of medians. All MSSMEB and price index calculations are created using this method.

MSSMEB Calculation

- The cost of the MSSMEB is calculated by multiplying the median price of each item in the respective location by the quantity listed in the table on page 3.
- Sorghum grain prices are used for the calculation of the cereal component, and maize grain prices for areas where maize is more commonly consumed. In areas where both cereals are consumed equally, the price of the cheaper item is used.
- Bean prices are used for the pulse component.
- Rather than the prices of vegetable oil, the prices of the cheapest locally available cooking oil is used.
- For airtime, a monthly cost of 1 USD is assumed, based on the rates of local telecom providers.
- All USD amounts are converted to SSP using the local parallel market exchange rates.
- If a component of the MSSMEB is unavail-able in a location, the overall median price is used for the calculation of the index.

More details on the methodology can be found in the JMMI terms of reference (ToR).

Challenges and Limitations

- Price data is only indicative for the time frame within which it was collected. Prices may vary between data collection rounds.
- The JMMI data collection tool requests the cheapest available type of each item to be recorded, as availability varies across regions. Therefore, price comparisons across regions may be based on slightly varying products.
- Standardising unit sizes of dry food items is inherently difficult in South Sudan, as many traders sell commodities by volume rather than weight. This may create a measurement error.
- With current coverage, data is mostly collec-ted from main markets, which may not be representative of rural areas.

- As the JMMI continues to expand and is extended to additional locations, the reported changes in the overall median prices may be driven by shifts in coverage rather than actual price changes.

Participating Agencies

- ACTED – Agency for Technical Cooperation and Development
- CAFOD-Trócaire – Catholic Agency for Overseas Development & Trócaire
- CARE
- Caritas
- Church & Development
- Concern
- Cordaid
- DCA – Danish Church Aid
- DRC – Danish Refugee Council
- GOAL
- HARD – Hope Agency for Relief and Development
- ICPDO – Intergrated Community Peace & Development Organization
- IOM – International Organization for Migration
- Maltester- International
- IRC – International Rescue Committee
- NRDC – National Relief and Development Corps
- Nile Hope
- Oxfam

5 Greater Bahr el Ghazal includes the states of Lakes, Northern Bahr el Ghazal, Warrap and Western Bahr el Ghazal; Greater Equatoria includes the states of Central Equatoria, Eastern Equatoria and Western Equatoria; Greater Upper Nile includes the states of Jonglei, Unity and Upper Nile.

6 The prices were normalised by setting August 2019 as the baseline and dividing each month's price by the price in August 2019.

- Plan international
- REACH Initiative
- Save the Children
- Solidarites International
- SPEDP – Support for Peace and Education Development Programme
- Tearfund
- UNHCR- United Nations High Commissioner for Refugee
- UNICEF – United Nations Children's Fund
- UNKEA – Universal Network for Knowledge & Empowerment Agency
- Welthungerhilfe (WHH)
- Windle Trust International
- World Vision

Endnotes

1 The MSSMEB is calculated in each assessed location as described in the methodology box on the left and only includes key items. The overall MSSMEB is the median across all assessed locations.

2 The food basket is composed of only the food items in the MSSMEB. The overall cost of the food basket is the median across all assessed locations.

3 The parallel market exchange rate (buy and sell rate) was collected from two traders in each assessed location. The overall rate is calculated by first finding the median in each assessed location, then taking the median of the resulting set of median rates.

4 Source: Central Bank of South Sudan (2020 November 1). Retrieved from https://www.boss.gov.ss/currency-operations/exchange-rates/ The rates from 1 October 2021 were used for the calculation of the monthly change.

JMMI OUTPUTS

Factsheets	Datasets
2021	
September	September
August	August
July	July
June	June
May	May
April	April
March	March
February	February
January	January
2020	
December	December
November	November
October	October
September	September
August	August
July	July
June	June
May	May
April	April
March	March
February	February
January	January
2019	
December	December
November	November
October	October
September	September
August	August