

## INTRODUCTION

In an effort to inform cash-based interventions and better understand market dynamics in South Sudan, the Joint Market Monitoring Initiative (JMIMI) was created by the South Sudan Cash Working Group (CWG) in August 2019. The initiative is guided by the JMIMI Technical Working Group (JMIMI-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 prices 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).

### Cost of MSSMEB<sup>1</sup>

**47,142 SSP**

**114.11 USD\***

**1,073 SSP ▲+2%**

### Cost of food basket<sup>2</sup>

**31,582 SSP**

**76.45 USD\***

**2,324 SSP ▲+8%**

### USD/SSP (parallel market)<sup>3</sup>

**413**

**6 SSP ▲+1%**

### USD/SSP (official)<sup>4</sup>

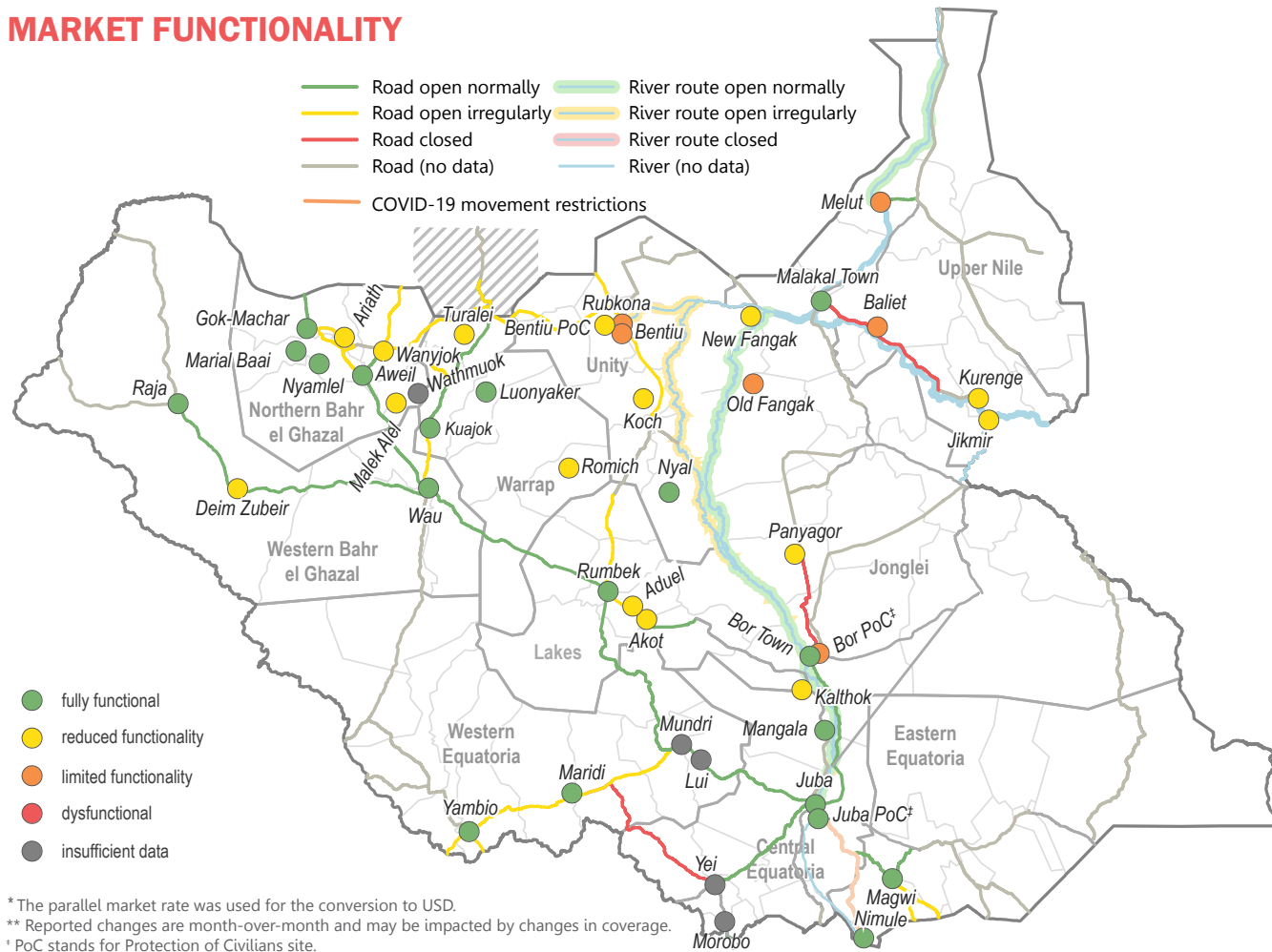
**409**

**3.18SSP ▲+1%**

### PARTICIPATING AGENCIES

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

## MARKET FUNCTIONALITY



- Road open normally
- Road open irregularly
- Road closed
- Road (no data)
- COVID-19 movement restrictions
- 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.

<sup>1</sup> PoC stands for Protection of Civilians site.

<sup>3</sup> The Abyei Region is shaded to acknowledge its status as a disputed territory.

<sup>5</sup> The number of participating agencies indicates the total number of partner organisations that collected data in September

19 participating agencies<sup>5</sup>

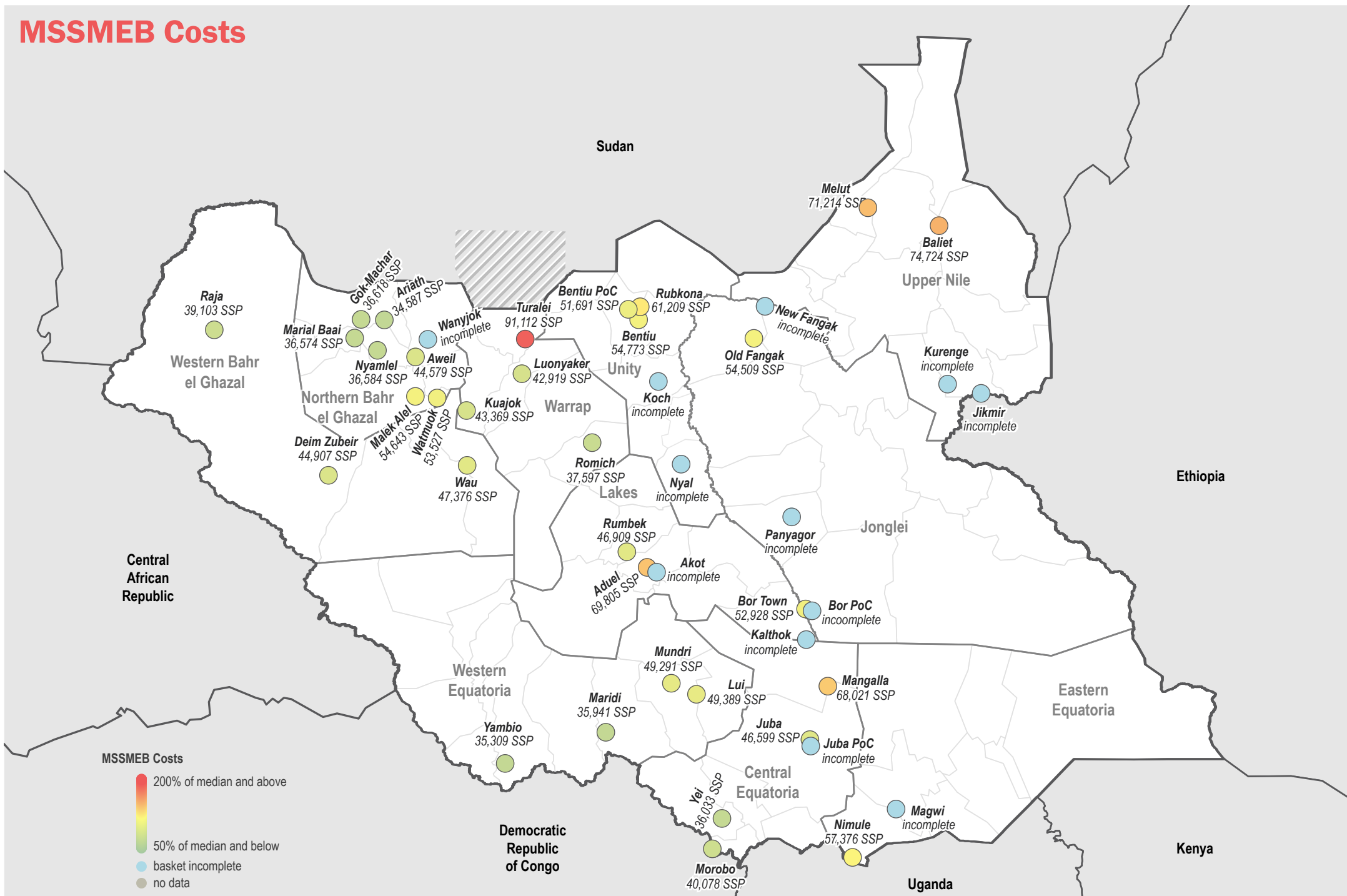
44 assessed locations<sup>†</sup>

61 assessed marketplaces

924 key informants

21 assessed commodities

# MSSMEB Costs



## 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
Kitchen set	1 pc	Kanga**	2 pcs
Jerrycan	2 pcs		

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 non-food items, 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.

## Cost of median MSSMEB (key items)

# 47,142 SSP

114.11 (at parallel market rate)

115.15 (at official rate)

Change since Oct 2021

1,073 SSP ▲+2%

Change since Nov 2020

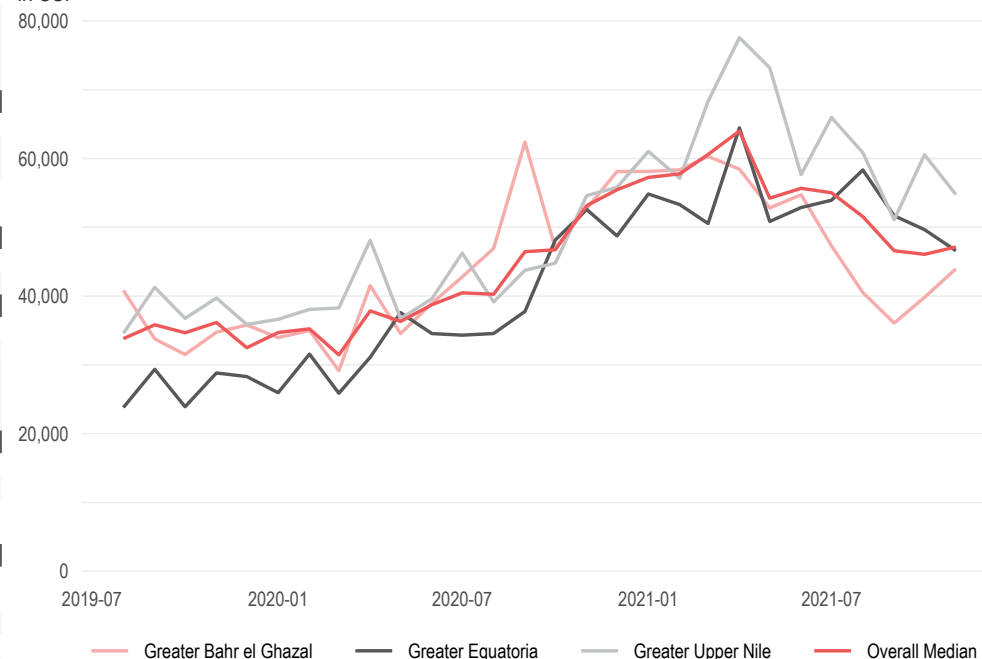
6000 SSP ▼-11%

## MSSMEB PER LOCATION

County	Location	MSSMEB key items in SSP	Change since Oct 2021	Change since Nov 2020	MSSMEB key items in USD†
<b>Central Equatoria</b>					
Juba	Juba PoC §	na	na	na	na
	Juba Town	46,599	▼3%	▼26%	111.61
	Mangala	68,021	▲1%	na	167.95
Morobo	Morobo Town	40,078	▼45%	na	100.20
Yei	Yei Town	36,033	▼49%	▼30%	87.35
<b>Eastern Equatoria</b>					
Magwi	Magwi Town	na	na	na	na
	Nimule	57,376	►0%	▲6%	139.09
<b>Jonglei</b>					
Bor South	Bor Town	52,928	▼4%	na	125.64
	Bor PoC †	na	na	na	na
Fangak	New Fangak	na	na	na	na
	Old Fangak	54,509	▼25%	na	132.95
Twic East	Panyagor	na	na	na	na
<b>Lakes</b>					
Awerial	Kalthok	na	na	na	na
Rumbek Centre	Rumbek Town	46,909	▲17%	▼28%	115.82
Rumbek East	Aduel	69,805	▲23%	▼62%	168.97
	Akot	na	na	na	na
<b>Northern Bahr el Ghazal</b>					
Aweil Centre	Aweil Town	44,579	▲12%	▼19%	104.28
Aweil East	Wanyjok	na	na	na	na
Aweil North	Ariath	34,587	▲6%	▼17%	82.84
	Gok-Machar	36,618	▲15%	▼21%	85.31
Aweil South	Malek Alel	54,643	▲49%	na	127.45
	Watmuok	53,527	▲44%	na	125.21
Aweil West	Marial Bai	36,574	▲7%	▼15%	88.53
	Nyamlel Town	36,584	▼9%	▼30%	86.08
<b>Unity</b>					
Koch	Koch Town	na	na	na	na
Panyijiar	Nyal	na	na	na	na
Rubkona	Bentiu Town	54,773	▼10%	►0%	131.98
Rubkona	Bentiu PoC §	51,691	▼25%	na	124.56
	Rubkona	61,209	▼6%	▼18%	147.94
<b>Upper Nile</b>					
Baliet	Baliet Town	74,724	▲23%	na	180.87
LuakpinyNasirJikmir	Kurenge	na	na	na	na
	Melut Town	71,214	▲34%	▲35%	175.84
<b>Warrap</b>					
Gogrial East	Luonyaker	42,919	▼7%	na	107.30
Gogrial West	Kuajok	43,369	▼1%	▼18%	108.42
Tonj East	Romich	37,597	na	na	91.01
Twic	Turalei	91,112	▲53%	na	224.97
<b>Western Bahr el Ghazal</b>					
Raja	Deim Zubeir	44,907	▲16%	▼15%	108.70
	Raja Town	39,103	na	▼25%	100.26
Wau	Wau	47,376	▲6%	▼14%	114.16
<b>Western Equatoria</b>					
Maridi	Maridi	35,941	na	▼19%	86.60
Mundri East	Lui	49,389	▼1%	na	123.47
Mundri West	Mundri Town	49,291	▲4%	na	123.23
Yambio	Yambio	35,309	▲18%	▼12%	87.18
<b>Overall</b>		<b>47,142</b>	<b>▲2%</b>	<b>▼11%</b>	<b>114.11</b>

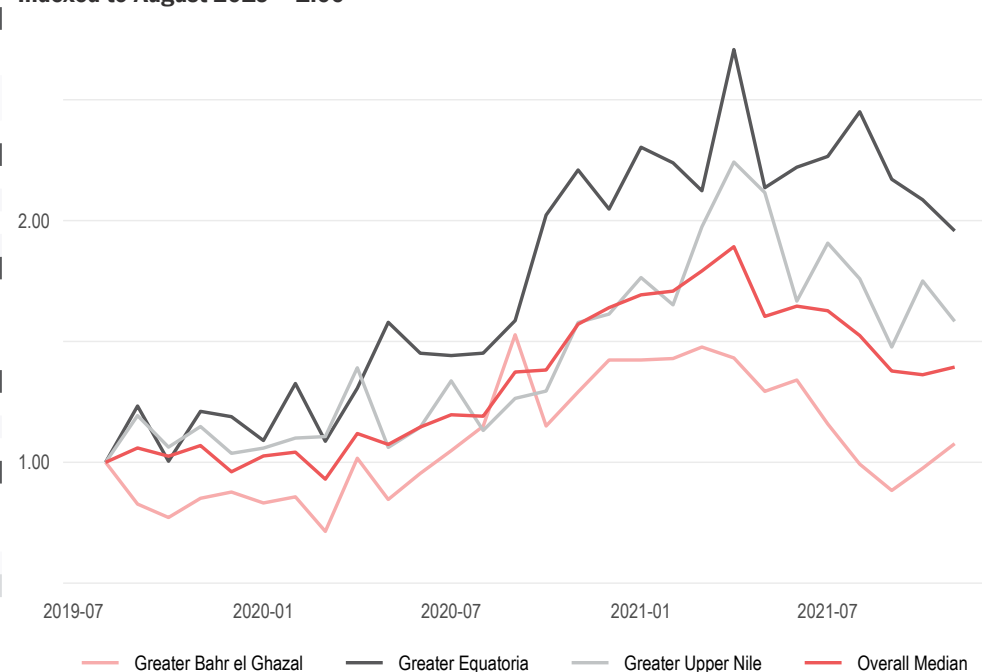
## MSSMEB OVER TIME<sup>5</sup>

in SSP



## MSSMEB OVER TIME<sup>5</sup>

Indexed to August 2019 = 1.00<sup>6</sup>



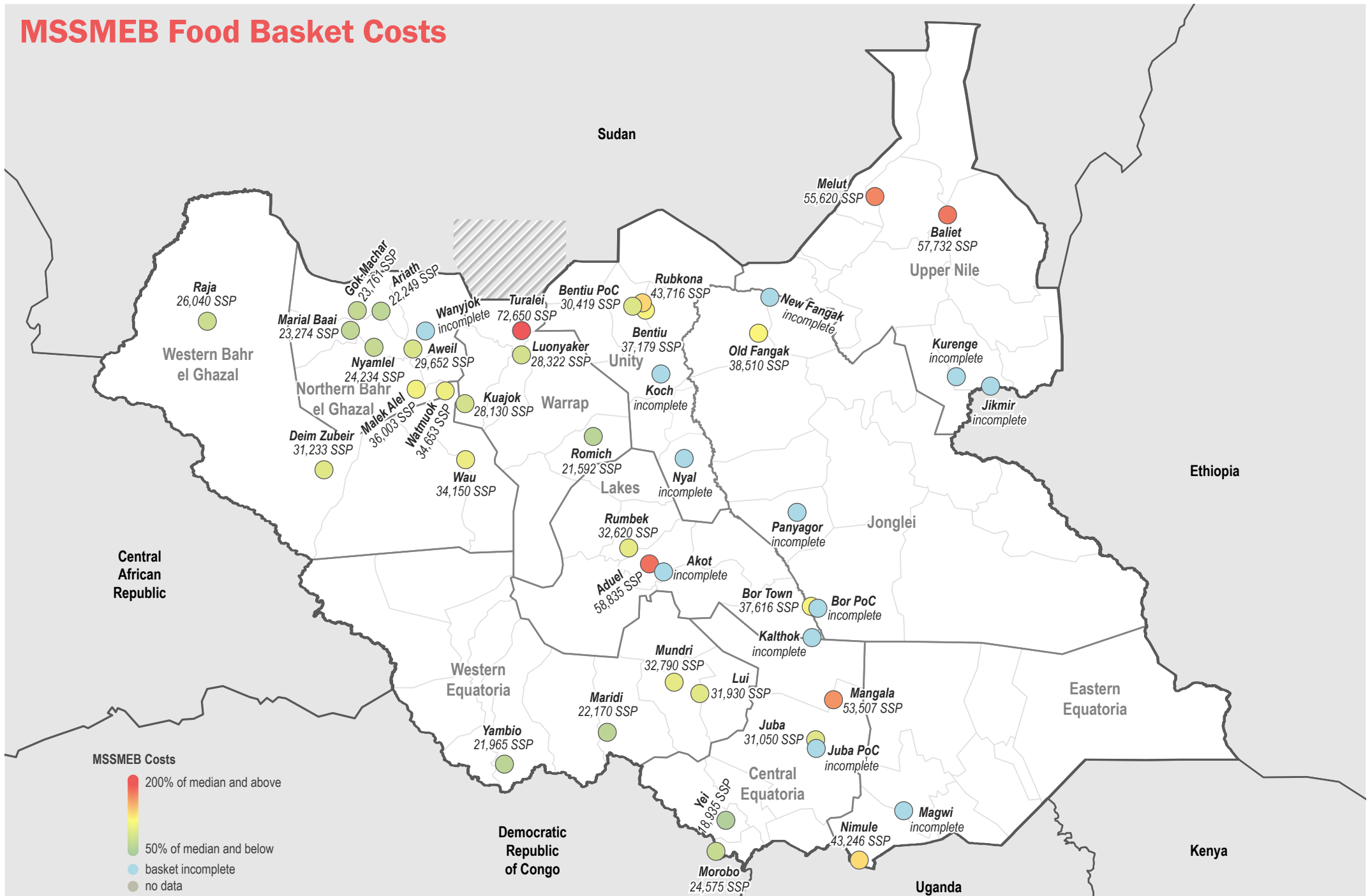
† The parallel market rate was used for the conversion to USD.

‡ The food basket was incomplete, or no SSP conversion rate was available. The MSSMEB index is therefore incomplete in Jikmir.

§ No sorghum nor maize prices were available. No alternate cereal prices were available for Juba PoC and Koch, therefore the MSSMEB has been left blank.

¶ No sorghum nor maize prices were available. The cereal prices for September were inputted for Bor PoC.

# MSSMEB Food Basket Costs



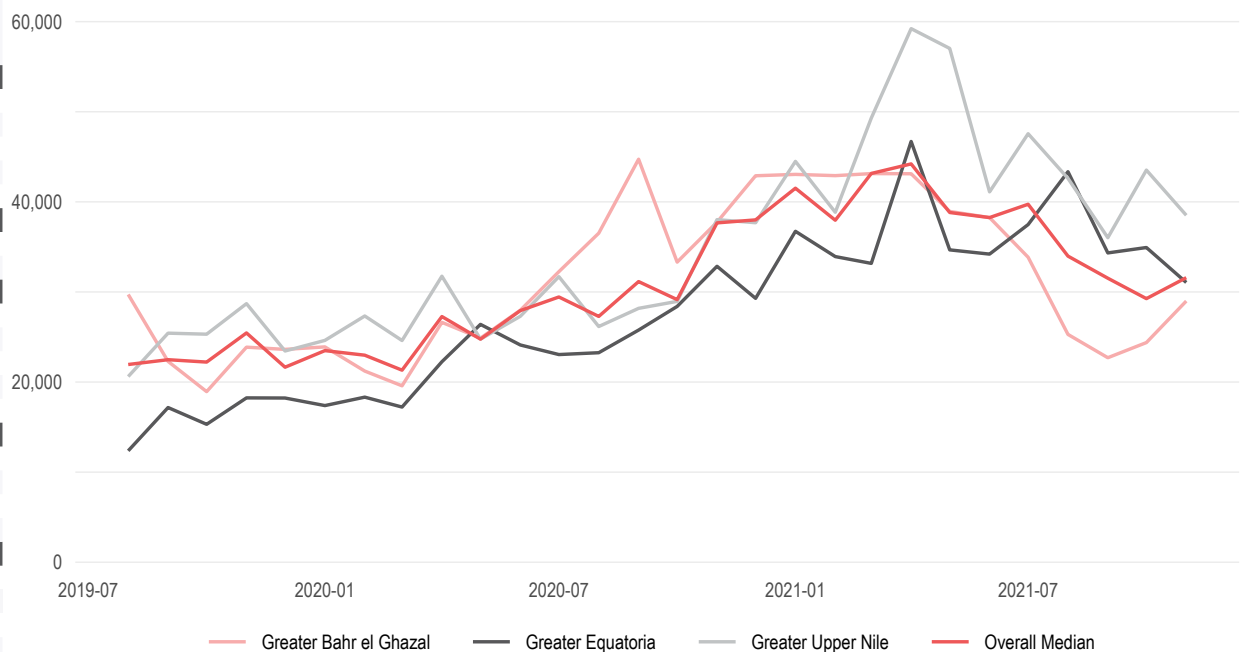
## INDICES PER LOCATION

County	Location	MSSMEB food basket in SSP	Change since Oct 2021	Change since Nov 2020	Food price index* in SSP	Change since Oct 2021	Change since Nov 2020
<b>Central Equatoria</b>							
Juba	Juba PoC	na	na	na	3,991	▲ 24%	▲ 4%
	Juba Town	31,050	▲ 2%	▼ 28%	4,390	▲ 6%	▼ 8%
	Mangala	53,507	▲ 2%	na	5,105	▲ 26%	na
Morobo	Morobo Town	24,575	▼ 57%	na	4,321	▼ 28%	na
Yei	Yei Town	18,935	▼ 66%	▼ 48%	2,748	▼ 48%	▼ 37%
<b>Eastern Equatoria</b>							
Magwi	Magwi Town	na	na	na	3,485	na	▼ 17%
	Nimule	43,246	▲ 1%	▲ 31%	5,381	▼ 2%	▼ 7%
<b>Jonglei</b>							
Bor South	Bor Town	37,616	▲ 1%	na	5,038	▲ 15%	▲ 1%
Bor South	Bor PoC	na	na	na	3,777	▼ 11%	▲ 1%
Fangak	New Fangak	na	na	na	5,225	▼ 1%	▲ 21%
	Old Fangak	38,510	▼ 27%	na	6,834	▲ 16%	na
TwicEast	Panyagor	na	na	na	5,437	▲ 20%	▼ 28%
<b>Lakes</b>							
Awerial	Kalthok	na	na	na	4,033	▲ 2%	na
Rumbek Centre	Rumbek Town	32,620	▲ 34%	▼ 33%	4,150	▲ 20%	▼ 17%
Rumbek East	Aduel	58,835	▲ 36%	▼ 65%	6,263	▲ 47%	▼ 46%
	Akot	na	na	na	4,246	► 0%	na
<b>Northern Bahr el Ghazal</b>							
Aweil Centre	Aweil Town	29,652	▲ 18%	▼ 21%	4,599	▲ 19%	▼ 6%
Aweil East	Wanyjok	na	na	na	4,290	▲ 24%	na
Aweil North	Ariath	22,249	▲ 16%	▼ 17%	4,274	▲ 6%	▲ 6%
	Gok-Machar	23,761	▲ 33%	▼ 24%	4,797	▲ 6%	▲ 1%
Aweil South	Malek Alel	36,003	▲ 80%	na	4,414	▲ 16%	na
	Watmuok	34,653	▲ 79%	na	4,460	▲ 27%	na
Aweil West	Marial Baai	23,274	▲ 27%	▼ 24%	4,674	▲ 1%	▼ 7%
	Nyamlel Town	24,234	▼ 4%	▼ 36%	4,870	▼ 4%	▼ 15%
<b>Unity</b>							
Koch	Koch Town	na	na	na	4,510	na	▼ 28%
Panyijiar	Nyal	na	na	na	4,245	na	▼ 14%
Rubkona	Bentiu	37,179	▼ 15%	▼ 2%	6,728	▲ 7%	▼ 2%
	Bentiu PoC §	30,419	▼ 45%	na	3,833	▼ 18%	na
	Rubkona Town	43,716	▼ 9%	▼ 20%	7,634	▲ 26%	▲ 15%
<b>Upper Nile</b>							
Baliet	Baliet Town	57,732	▲ 33%	na	8,553	▲ 49%	na
Luakpiy/Nasir	Jikmir	na	na	na	na	na	na
	Kurenge	na	na	na	5,696	na	na
Melut	Melut Town	55,620	▲ 44%	▲ 48%	7,660	▲ 19%	▲ 65%
<b>Warrap</b>							
Gogrial East	Luonyaker	28,322	▼ 3%	na	5,042	▲ 8%	na
Gogrial West	Kuajok	28,131	▼ 1%	▼ 23%	4,379	▲ 19%	▲ 2%
Tonj East	Romich	21,592	na	na	5,110	na	na
Twic	Turalei	72,650	▲ 91%	na	6,450	▲ 36%	na
<b>Western Bahr el Ghazal</b>							
Raja	Deim Zubeir	31,233	▲ 23%	▼ 19%	5,615	▲ 11%	▲ 46%
	Raja Town	26,040	na	▼ 29%	4,341	na	▼ 3%
Wau	Wau	34,150	▲ 17%	▼ 11%	3,925	▲ 8%	▲ 2%
<b>Western Equatoria</b>							
Maridi	Maridi	22,170	na	▼ 25%	4,851	na	▼ 28%
Mundri East	Lui	31,930	▼ 9%	na	4,188	▼ 2%	na
Mundri West	Mundri Town	32,790	► 0%	na	3,498	▼ 4%	na
Yambio	Yambio	21,965	▲ 38%	▼ 16%	3,366	▲ 6%	▼ 30%
Overall		31,582	▲ 8%	▼ 16%	4,485	▲ 4%	▼ 3%

\* 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.

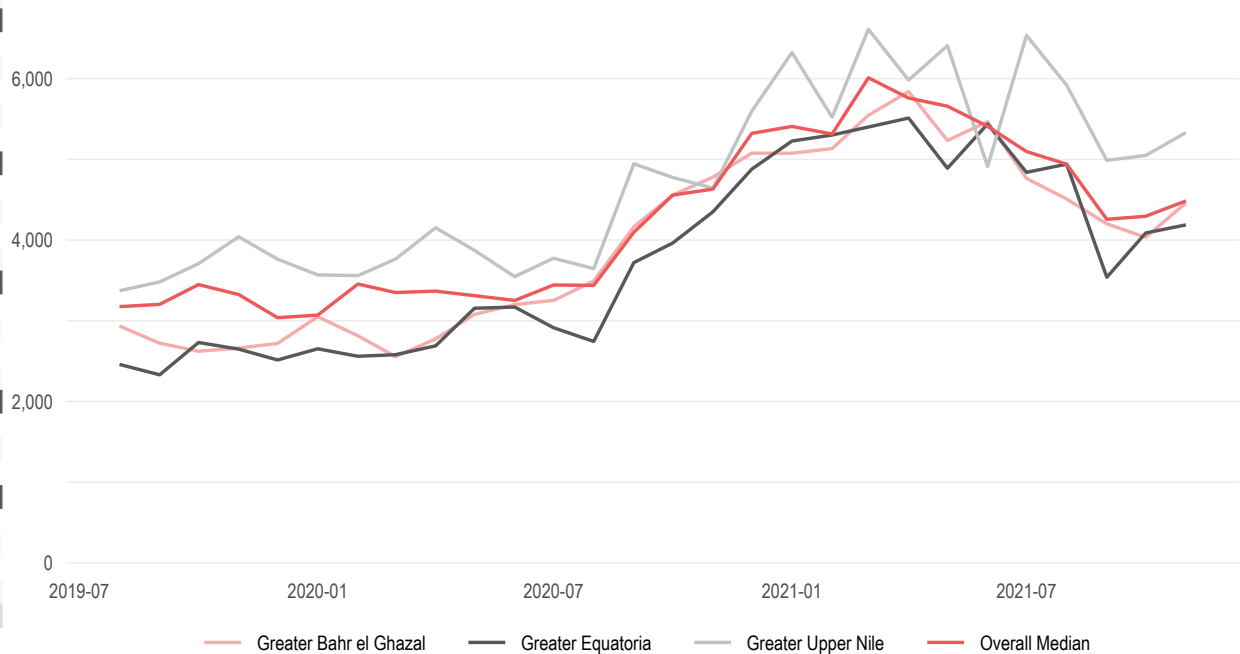
## MSSMEB FOOD BASKET OVER TIME<sup>5</sup>

in SSP



## FOOD PRICE INDEX OVER TIME<sup>5</sup>

in SSP



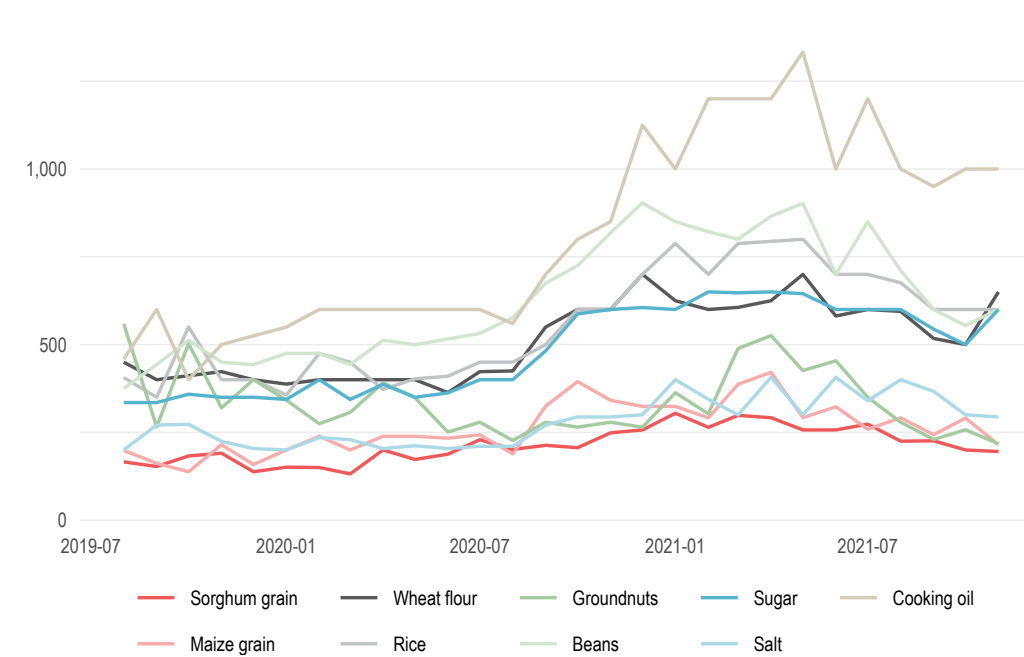
## PRICES OF MONITORED

Item	Unit	Median price in SSP	Change since Sept 2020	Change since Oct 2019	Median price in USD
<b>Food Items</b>					
Sorghum grain	1 kg	196	▼ 2%	▼ 21%	0.47
Maize grain	1 kg	215	▼ 26%	▼ 37%	0.52
Wheat flour	1 kg	650	▲ 30%	▲ 8%	1.57
Rice	1 kg	600	► 0%	► 0%	1.45
Groundnuts (shelled)	1 kg	218	▼ 16%	▼ 22%	0.53
Beans	1 kg	601	▲ 20%	▼ 19%	1.45
Sugar	1 kg	600	▲ 20%	► 0%	1.45
Salt	1 kg	294	▼ 2%	► 0%	0.71
Cooking oil	1 L	1,000	► 0%	▲ 18%	2.42
Water*	1 L	30	▲ 4%	▼ 3%	1.00
<b>NFIs</b>					
Soap	200 g	133	▲ 3%	▼ 20%	0.32
Jerrycan	1 pc	1,000	► 0%	▲ 45%	2.42
Mosquito net	1 pc	1,650	▲ 10%	▲ 6%	3.99
Exercise book	1 pc	300	▲ 7%	▲ 20%	0.73
Blanket	1 pc	3,750	▲ 15%	▼ 25%	9.08
Cooking pot	1 pc	4,500	▲ 6%	▲ 19%	10.89
Plastic sheet	1 pc	7,625	▲ 8%	▲ 12%	18.46
Pole	1 pc	813	▼ 10%	▼ 19%	1.97
Firewood	1 bundle	600	▲ 4%	▲ 26%	1.45
Charcoal	1 kg	116	► 0%	▲ 13%	0.28
<b>Livestock Items</b>					
Goat	1 goat	15,750	► 0%	▲ 19%	38.12
Chicken	1 chicken	3,000	▲ 20%	▲ 79%	7.26
<b>Services</b>					
Milling costs	1 kg	50	▲ 16%	▲ 6%	0.12
<b>Currencies</b>					
US dollar	1 USD	413	▲ 1%	▼ 19%	
Sudanese pound	1 SDG	0	▼ 6%	▼ 68%	
Ethiopian birr	1 ETB	na	na	na	
Ugandan shilling	1 UGX	na	na	na	
Kenyan shilling	1 KES	na	na	na	

\* Prices only collected for Juba Town

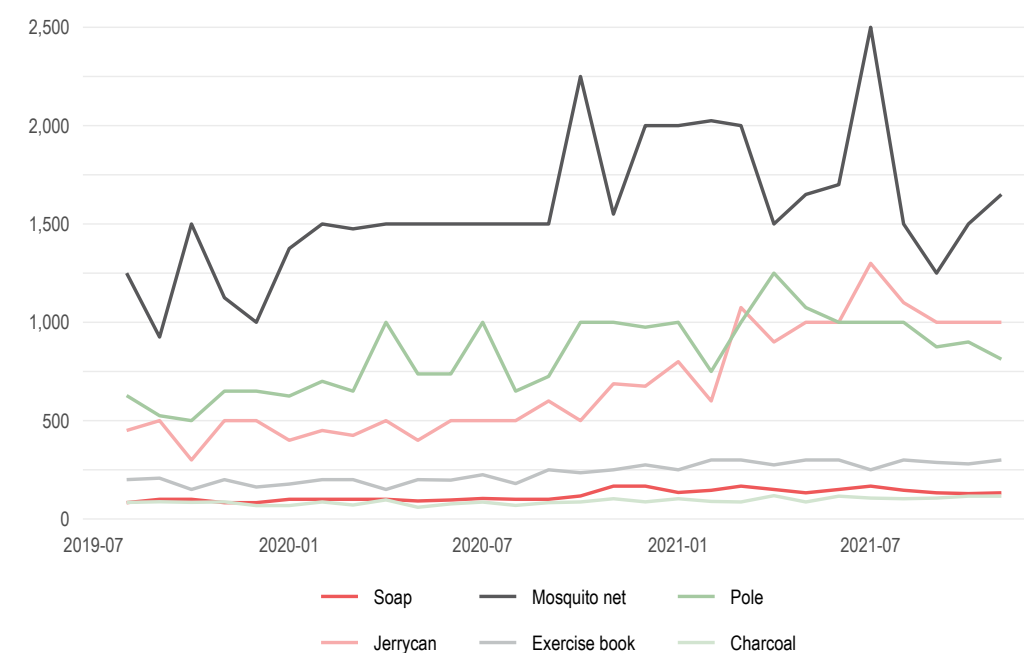
## FOOD PRICES OVER TIME

in SSP



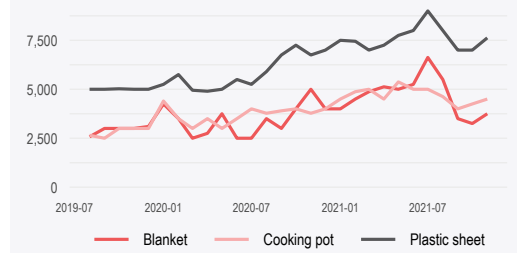
## NFI PRICES OVER TIME

in SSP



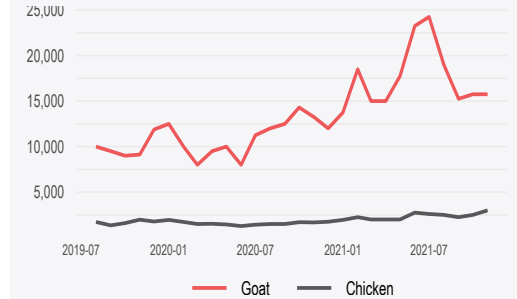
## NFI PRICES OVER TIME CONT.

in SSP

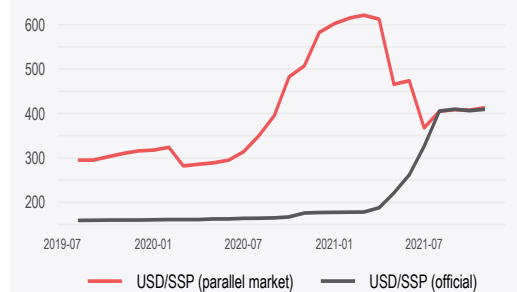


## LIVESTOCK PRICES OVER TIME

in SSP

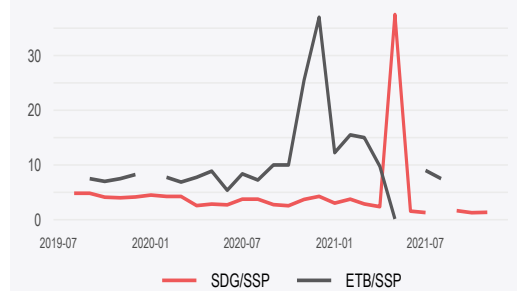


## USD EXCHANGE RATE OVER TIME



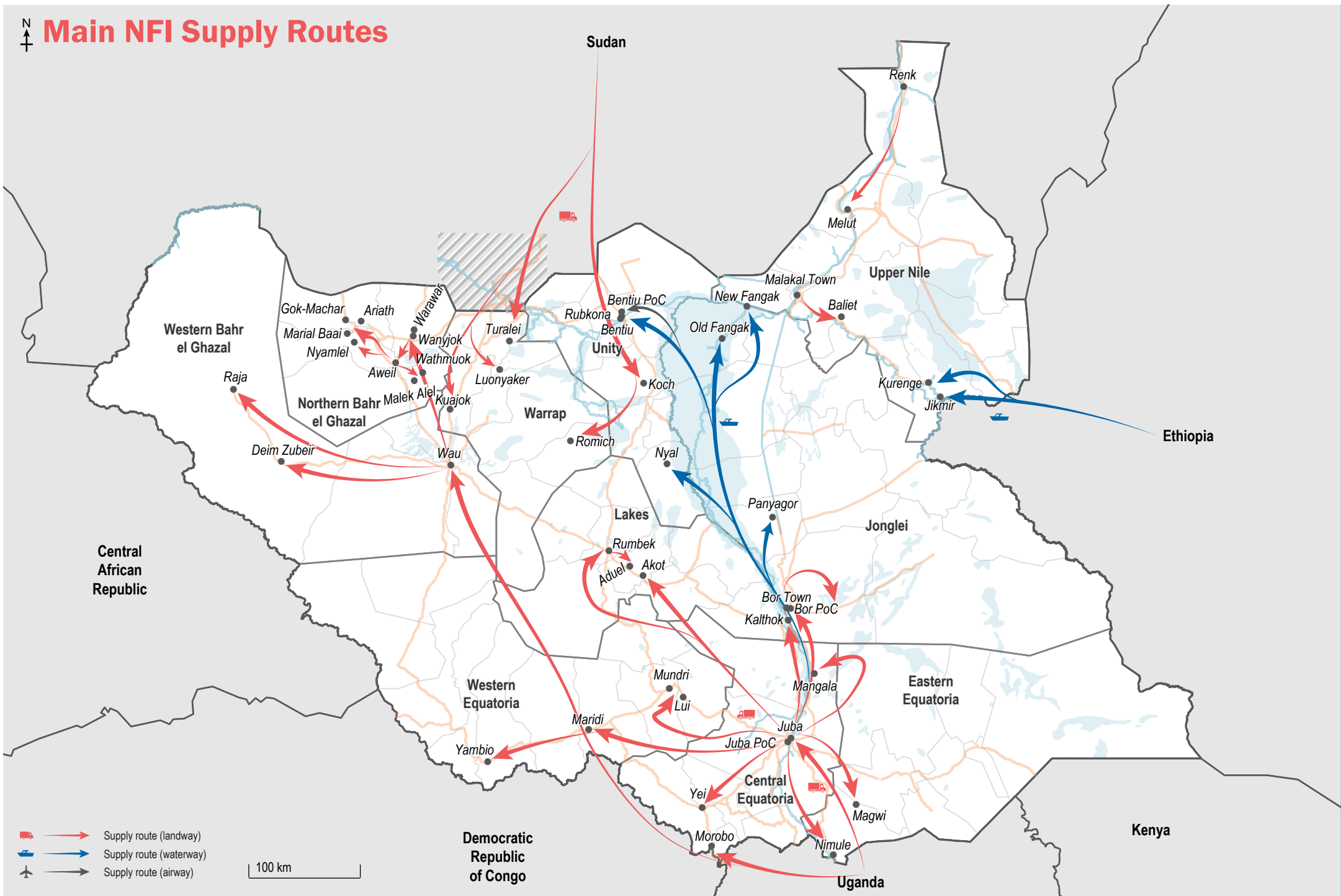
## OTHER EXCHANGE RATES OVER TIME

(Parallel market rates)



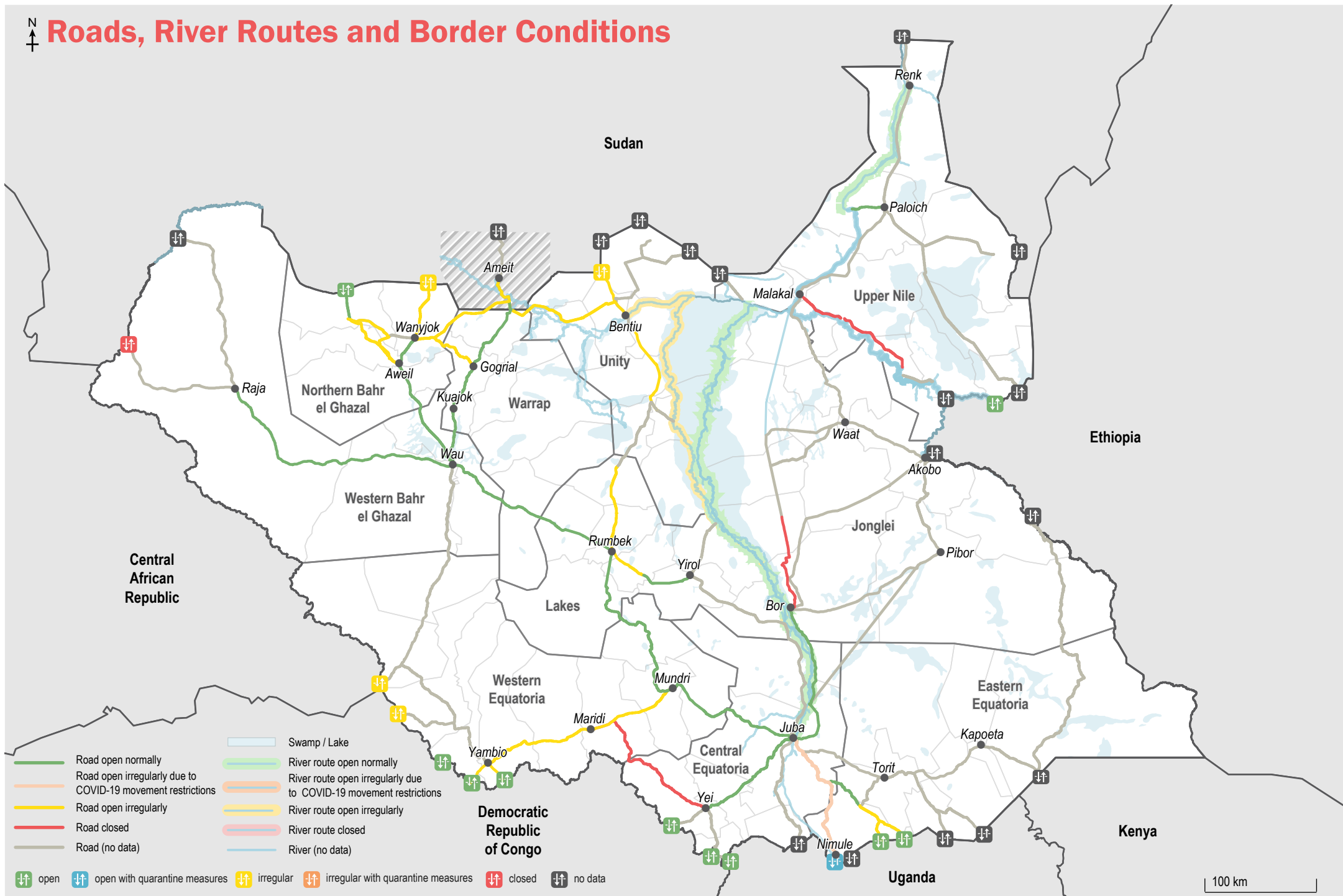


# Main NFI Supply Routes



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

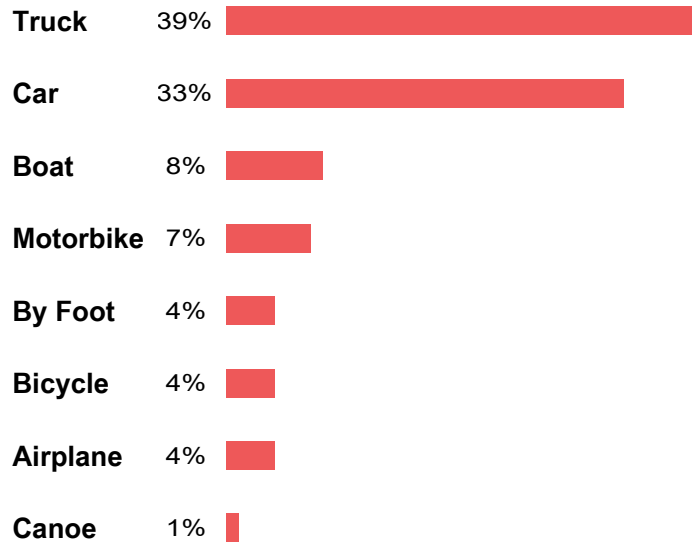


The map illustrates the reported road, river route and border crossing conditions at the time of data collection. The results are indicative of trade activity only.



# Additional Indicators

## Primary modes of transport for restocking local cereals reported by traders



### 3 days

median time to restock locally produced cereals from out of town



**30%** of staple cereal traders reported restocking from a local producer



**46%** of **food traders** expect price increases  
**18%** of **food traders** do not expect price changes  
**14%** of **food traders** expect price decreases  
**22%** of **food traders** do not have any price expectations

### 3 days

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

### 4 days

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

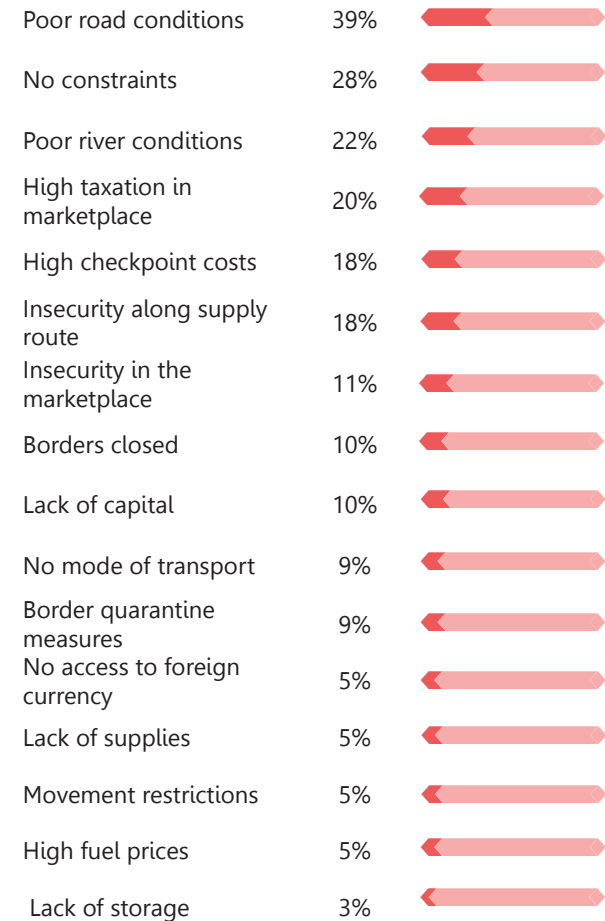


**72%** of traders reported restocking NFIs from a wholesaler in town

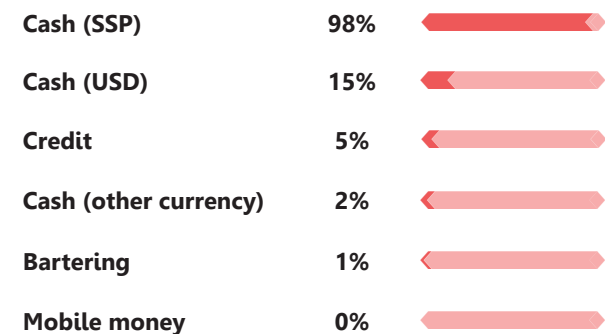


**36%** of **non-food traders** expect price increases  
**25%** of **non-food traders** do not expect price changes  
**9%** of **non-food traders** expect price decreases  
**30%** of **non-food traders** do not have any price expectations

## Reported restocking constraints\*



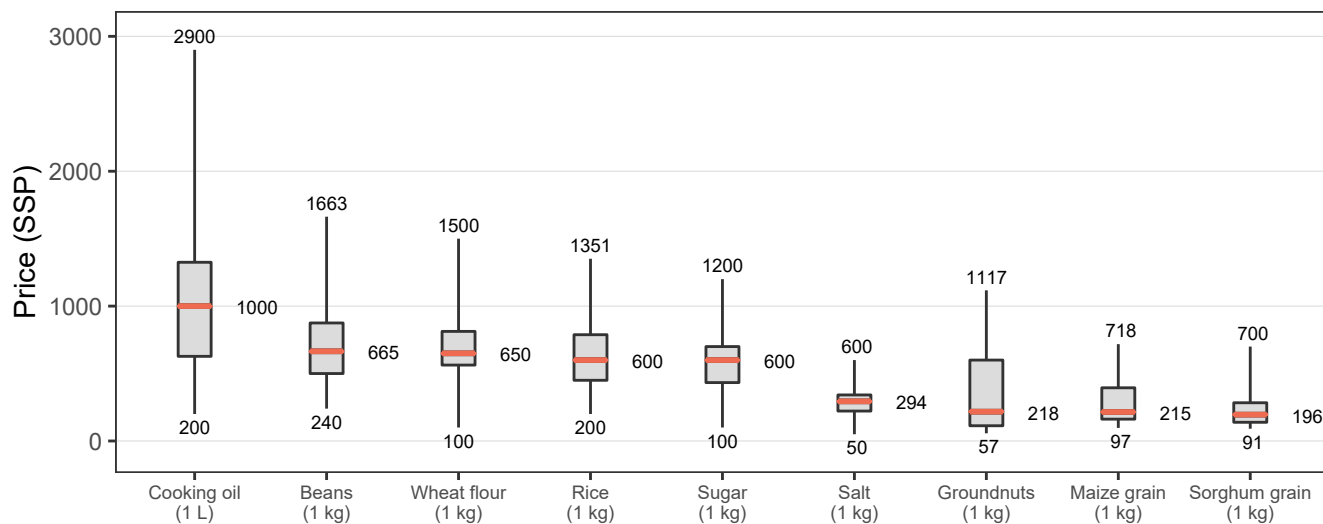
## Accepted payment modalities\*



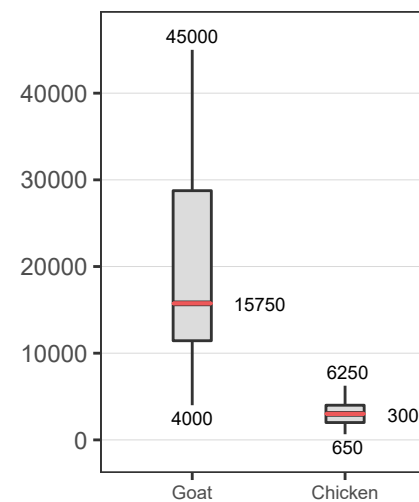
\* Values do not add up to 100% as traders were allowed to select multiple options.

# Distribution of Prices

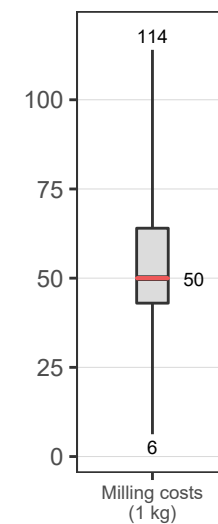
## Food Items



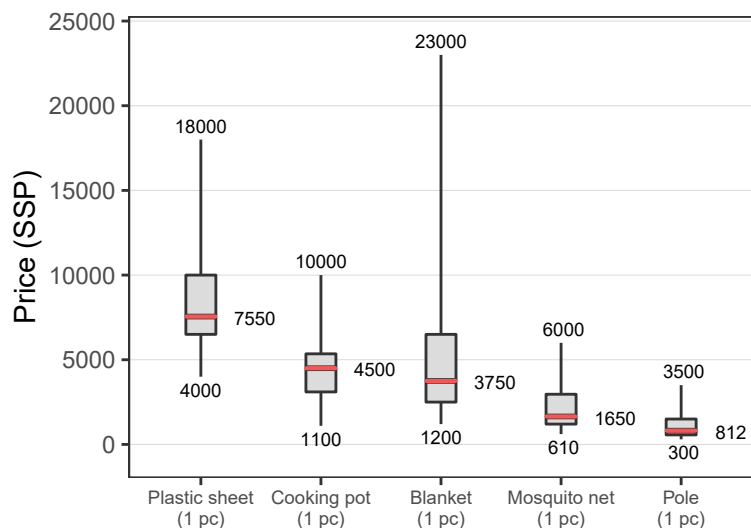
## Livestock



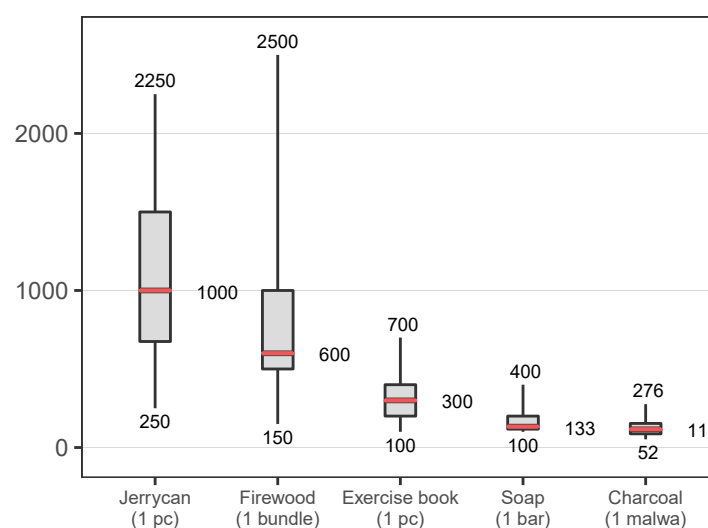
## Services



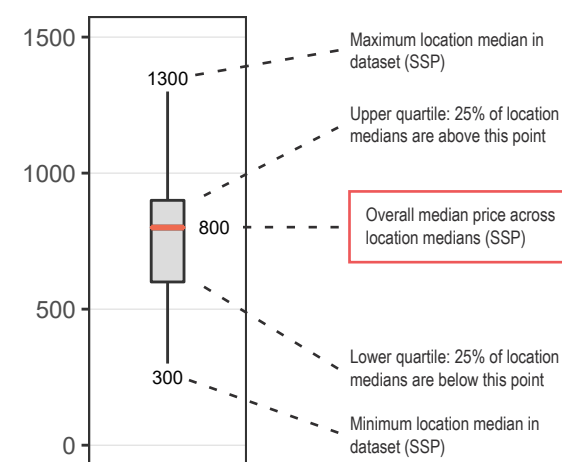
## NFIs



## NFIs cont.



## How to read a boxplot



\* 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)
<b>Central Equatoria</b>																								
Juba	<b>Juba PoC</b>	na	400	282	563	na	333	na	400	1,000	na	100	na	na	150	na	na	naa	2,500	na	145	na	na	107
	<b>Juba Town</b>	225	215	450	500	600	600	500	300	1,000	30	100	500	1,800	350	3,500	3,500	6,000	1,500	1,200	116	45,000	6,250	20
	<b>Mangala</b>	403	478	563	450	838	443	430	500	1,000	na	100	500	1,200	250	1,200	5,150	5,000	1,500	500	116	36,000	5,000	64
Morobo	<b>Morobo Town</b>	117	157	986	250	698	665	538	200	710	na	117	850	3,150	350	4,500	2,820	8,000	600	800	121	38,250	5,000	20
Yei	<b>Yei Town</b>	136	122	423	250	218	300	250	200	850	na	117	850	4,700	475	7,000	3,750	12,000	900	1,200	121	36,500	4,800	6
<b>Eastern Equatoria</b>																								
Magwi	<b>Magwi Town</b>	200	100	400	500	na	500	500	200	867	na	100	500	1,000	200	na	na	6,500	na	na	na	na	na	na
	<b>Nimule</b>	377	359	704	788	559	665	645	550	734	na	117	675	2,000	225	2,500	2,500	4,000	325	2,500	116	na	na	28
<b>Jonglei</b>																								
Bor South	<b>Bor TownTown</b>	293	292	563	450	1,117	554	509	260	1,000	na	117	na	2,900	150	na	5,600	7,700	na	900	174	32,500	4,100	na
	<b>Bor PoC</b>	na	na	563	450	698	554	430	271	400	na	133	na	1,000	700	na	na	na	na	200	174	na	na	na
Fangak	<b>New Fangak</b>	478	na	563	450	na	na	430	271	2,000	na	267	na	na	na	na	na	na	na	na	87	na	na	na
	<b>Old Fangak</b>	109	na	800	200	na	1,500	1,092	200	2,500	na	267	500	1,200	150	na	na	9,000	2,750	2,000	155	8,000	650	114
Twic East	<b>Panyagor</b>	na	na	1,500	676	na	na	538	na	1,200	na	167	na	na	200	na	na	na	2,000	2,000	276	30,000	4,000	57
<b>Lakes</b>																								
Awerial	<b>Kalthok</b>	150	na	na	400	na	500	500	400	1,000	na	133	na	na	400	na	2,500	na	na	na	na	14,500	na	na
Rumbek Centre	<b>Rumbek Town</b>	238	194	600	600	na	1,000	600	400	300	na	100	1,500	1,000	300	3,500	5,750	4,750	450	475	95	25,000	3,000	43
Rumbek East	<b>Aduel Akot</b>	504	478	1,127	1,295	na	1,330	807	305	200	na	125	675	800	100	1,600	3,000	6,000	na	300	58	7,500	1,500	30
		na	na	500	600	135	600	400	600	na	na	133	1,500	na	300	na	5,000	na	300	675	87	16,000	3,000	100
<b>Northern Bahr el Ghazal</b>																								
Aweil Centre	<b>Aweil Town</b>	167	162	625	700	123	800	600	222	1,200	na	117	1,500	1,200	125	12,000	4,500	7,500	na	500	164	13,500	3,000	65
Aweil East	<b>Wanyjok</b>	161	na	na	na	113	na	1,050	300	600	na	133	na	na	600	na	na	na	na	500	87	12,500	1,450	43
Aweil North	<b>Ariath</b>	99	na	600	600	76	800	700	184	na	na	117	250	1,200	150	5,000	4,500	7,000	550	150	83	17,500	2,300	29
	<b>Gok-Machar</b>	91	na	700	650	95	900	675	271	1,200	na	117	1,500	na	200	na	na	7,500	875	500	64	15,500	3,000	65
Aweil South	<b>Malek Alel</b>	255	na	686	400	113	751	700	294	1,000	na	133	1,000	1,500	500	na	5,250	5,500	650	450	140	20,000	2,750	43
	<b>Watmuok</b>	255	na	725	500	170	na	700	294	1,000	na	133	1,000	na	500	na	na	na	600	475	148	22,500	2,900	43
Aweil West	<b>Marial Baai</b>	102	na	600	700	113	700	700	294	1,250	na	125	1,500	na	200	na	na	7,550	na	500	86	9,000	3,000	64
	<b>Nyamlel Town</b>	91	na	650	700	95	850	625	294	1,350	na	117	1,500	na	150	na	5,000	7,500	875	600	69	15,500	3,000	65
<b>Unity</b>																								
Koch	<b>Koch Town</b>	137	486	610	489	na	481	442	147	1,500	na	300	na	na	400	na	na	10,000	na	na	174	na	na	na
Panyijiar	<b>Nyal</b>	460	324	977	na	na	601	426	424	217	na	200	na	2,000	na	na	na	7,000	2,500	na	na	na	na	na
RubKona	<b>Bentiu</b>	209	179	916	1,126	768	970	672	339	1,550	na	200	2,250	5,750	325	19,500	2,750	15,500	3,250	600	166	6,000	2,250	54
	<b>Bentiu PoC</b>	144	162	100	458	na	na	100	50	2,000	na	233	na	na	400	na	na	na	3,500	500	250	na	na	61
	<b>Rubkona Town</b>	209	203	880	1,126	803	1,663	811	339	1,600	na	217	2,000	6,000	300	23,000	3,500	15,750	3,500	600	166	6,250	2,000	68
<b>Upper Nile</b>																								
Baliet	<b>Baliet Town</b>	382	na	1,300	1,150	na	na	1,200	588	2,900	na	200	na	na	400	na	na	8,000	na	200	116	12,000	1,500	57
Luakpiny/Nasir	<b>Jikmir</b>	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Longochuk	<b>Kurenge</b>	600	600	na	390	225	na	750	280	1,600	na	400	1,000	na	na	na	na	15,000	na	na	na	na	na	na
Melut	<b>Melut Town</b>	303	389	850	850	na	1,500	700	450	2,400	na	200	500	2,000	300	2,500	3,000	12,000	500	1,500	116	13,000	1,500	50
<b>Warrap</b>																								
Gogrial East	<b>Luonyaker</b>	177	718	704	676	95	665	na	407	na	na	133	1,400	610	300	na	9,000	7,000	350	530	101	9,750	2,500	43
Gogrial West	<b>Kuajok</b>	182	97	650	800	132	na	575	342	na	na	125	1,350	1,500	325	na	10,000	na	1,100	1,800	112	11,250	2,550	50
Tonj East	<b>Romich</b>	111	na	704	1,351	104	na	787	238	na	na	250	na	900	300	na	9,000	8,000	na	na	na	4,000	1,000	47
Twic	<b>Turalei</b>	700	500	1,200	900	300	250	1,200	200	1,200	na	133	1,000	1,200	345	4,500	1,100	4,000	1,200	600	207	7,500	2,000	na
<b>Western Bahr el Ghazal</b>																								
Raja	<b>Deim Zubeir</b>	137	na	650	600	na	na	700	na	2,200	na	167	na	na	na	na	na	na	750	na	52	17,000	2,250	57
	<b>Raja Town</b>	182	162	800	800	57	240	600	300	1,200	na	200	1,200	1,500	250	na	3,200	10,000	300	750	52	12,000	1,400	79
Wau	<b>Wau</b>	250	200	525	575	100	900	575	250	550	na	167	1,000	2,000	250	7,500	5,750	7,500	600	950	58	16,000	3,000	50
<b>Western Equatoria</b>																								
Maridi	<b>Maridi</b>	179	162	1,057	788	908	554	na	204	400	na	100	650	2,000	200	2,250	5,000	8,850	375	1,000	116	16,000	3,250	28
Mundri East	<b>Lui</b>	221	227	600	625	265	575	350	325	1,000	na	125	1,000	3,800	500	3,750	5,450	18,000	700	1,000	116	38,000	4,200	na
Mundri West	<b>Mundri Town</b>	191	251	172	600	284	500	300	300	900	na	100	775	3,875	450	3,750	4,500	15,000	750	735	116	45,000	4,750	26
Yambio	<b>Yambio</b>	162	500	450	559	443	323	200	533	na	na	100	1,500	4,750	200	2,500	5,000	8,000	1,000	1,000	103	40,000	4,750	43
<b>Overall median</b>		196	215	650	600	218	601	600	294	1,000	30	133	1,000	1,650	300	3,750	4,500	7,625	813	600	116	15,750	3,000	50

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	Jerry can	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
<b>Central Equatoria</b>																				
Juba	Juba PoC	na	42	14	28	na	7	na	60	7	7	na	na	7		na	na	na	21	1
	Juba Town	60	21	48	60	90	45	30	56	30	25	21	42	49	42	56	35	3	5	5
	Mangala	90	60	21	21	30	30	30	30	30	30	30	30	30	30	30	30	na	1	1
Morobo	Morobo Town	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1	3
Yei	Yei Town	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	6	5
<b>Eastern Equatoria</b>																				
Magwi	Magwi Town	60	60	21	14	na	60	17	37	7	11	7	na	60		na	14	4	3	3
	Nimule	18	14	21	18	7	18	21	59	14	21	18	51	90	71	75	44	na	2	2
<b>Jonglei</b>																				
Bor South	Bor Town	21	14	14	14	14	14	14	14	14	14	na	14	26	na	21	18	na	1	1
	Bor PoC	na	na	45	21	21	30	30	22	21	21	na	60	na	na	na	na	na	1	1
Fangak	New Fangak	7	na	26	7	na	na	7	22	7	22	na	na	na	na	na	na	na	23	23
	Old Fangak	14	na	10	21	na	14	48	29	21	21	6	21	na	na	na	14	na	15	50
Twic East	Panyagor	na	na	90	na	na	na	na	na	na	na	na	na	90	na	na	na	na	5	5
<b>Lakes</b>																				
Awerial	Kalthok	30	na	na	30	na	30	30	30	30	30	na	na	60		30	na	na	7	7
Rumbek Centre	Rumbek Town	26	26	29	26	na	44	60	30	30	41	60	45	60	30	60	26	21	23	15
Rumbek East	Aduel	30	30	45	60	na	30	30	14	30	30	30	45	30	60	60	60	5	7	7
Rumbek East	Akot	na	na	75	90	21	45	75	90	60	75	30	na	30	na	na	na	na	5	6
<b>Northern Bahr el Ghazal</b>																				
Aweil Centre	Aweil Town	35	21	32	32	33	25	26	75	18	33	28	26	29	37	60	60	na	na	na
Aweil East	Wanyjok	28	na		na	35	na	14	21	14	21	na	na	14		na	na	na	3	
Aweil North	Ariath	60	na	30	28	21	28	56	75	na	75	4	18	18	14	14	21	na	1	2
	Gok-Machar	29	na	45	21	36	21	46	90	32	na	18	na	60	na	na	26	14	6	5
Aweil South	Malek Alel	21	na	25	21	28	28	21	21	14	14	21	14	60	na	25	28	1	1	1
	Watmuok	21	na	21	21	21	na	14	18	14	14	28	na	30	na	na	na	1	1	1
Aweil West	Marial Baai	40	na	25	25	43	18	45	75	21	60	18	na	90	na	na	35	na	na	na
	Nyamlel Town	45	na	45	29	60	21	45	49	60	na	18	na	60	na	60	60	na	na	na
<b>Unity</b>																				
Koch	Koch Town	30	na	21	18	na	7	60	14	15	30	na	na	75	na	na	18	na	30	2
Panyijiar	Nyal	18	14	30	na	na	15	45	45	30	30	na	na	na	na	na	na	na	6	5
Rubkona	Bentiu	14	21	21	14	21	18	14	18	21	21	21	18	18	18	21	18	9	9	7
	Bentiu PoC	14	18	14	26	na	na	30	90	25	18	na	na	28	na	na	na	na	na	na
Rubkona	Rubkona Town	14	25	14	21	14	21	18	18	14	21	18	14	18	14	14	11	8	9	9
<b>Upper Nile</b>																				
Beliet	Baliet Town	22	na	30	18	na	na	30	45	21	26	na	na	30	na	na	30	3	na	2
Luakpinyasir	Jikmir	5	30	na	na	na	na	28	75	30	18	25	60	na	na	na	na	3	23	1
	Kurenge	na	24	na	na	na	na	21	21	18	37	14	na	na	30	na	14	na	6	6
Melut	Melut Town	na	na	60	60	21	60	60	21	60	60	60	na	na	na	na	na	na	1	1
<b>Warrap</b>																				
Gogrial East	Luonyaker	60	18	18	14	18	21	18	21	14	18	21	18	21	na	90	18	na	na	na
Gogrial West	Kuajok	75	60	14	14	14	21	18	14	14	14	14	14	14	na	90	18	na	na	3
Tonj East	Romich	90	na	14	14	14	18	21	14	14	21	na	14	14	na	41	14	na	na	na
Twic	Turalei	14	14	22	14	14	7	19	7	14	11	7	14	11	22	7	22	na	na	na
<b>Western Bahr el Ghazal</b>																				
Raja	Deim Zubeir	21	na	30	30	na	na	30	na	26	45	na	na	na	na	na	na	na	2	2
	Raja Town	60	7	60	75	60	na	60	60	45	42	18	60	42	na	42	6	na	na	2
Wau	Wau	26	30	26	26	14	26	26	26	26	26	45	30	30	26	30	30	na	26	27
<b>Western Equatoria</b>																				
Maridi	Maridi	7	11	14	6	10	7	7	11	7	7	30	6	22	6	19	10	na	14	14
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	3	5	5
Yambio	Yambio	na	na	7	5	7	na	na	14	7	na	na	na	na	na	na	na	v	18	20

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 labor). 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 2.
- 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 unavailable 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 collected 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

- 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

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> Source: Central Bank of South Sudan (2020, November 1). Retrieved from <https://www.boss.gov.ss/currency-operations/exchangerates/> The rates from 26 Oct 2021 were used for the calculation of the monthly change.

<sup>5</sup> 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.

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

## JMMI OUTPUTS

### Factsheets      Datasets

#### 2021

October	October
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