

## 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 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).

18 participating agencies<sup>§</sup>

33 assessed locations<sup>†</sup>

51 assessed marketplaces

695 key informants

21 assessed commodities

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

55,024 SSP

149.72 USD\*

642 SSP ▼ -1%

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

39,733 SSP

108.12 USD\*

1,480 SSP ▲ +4%

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

368

106 SSP ▼ -22%

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

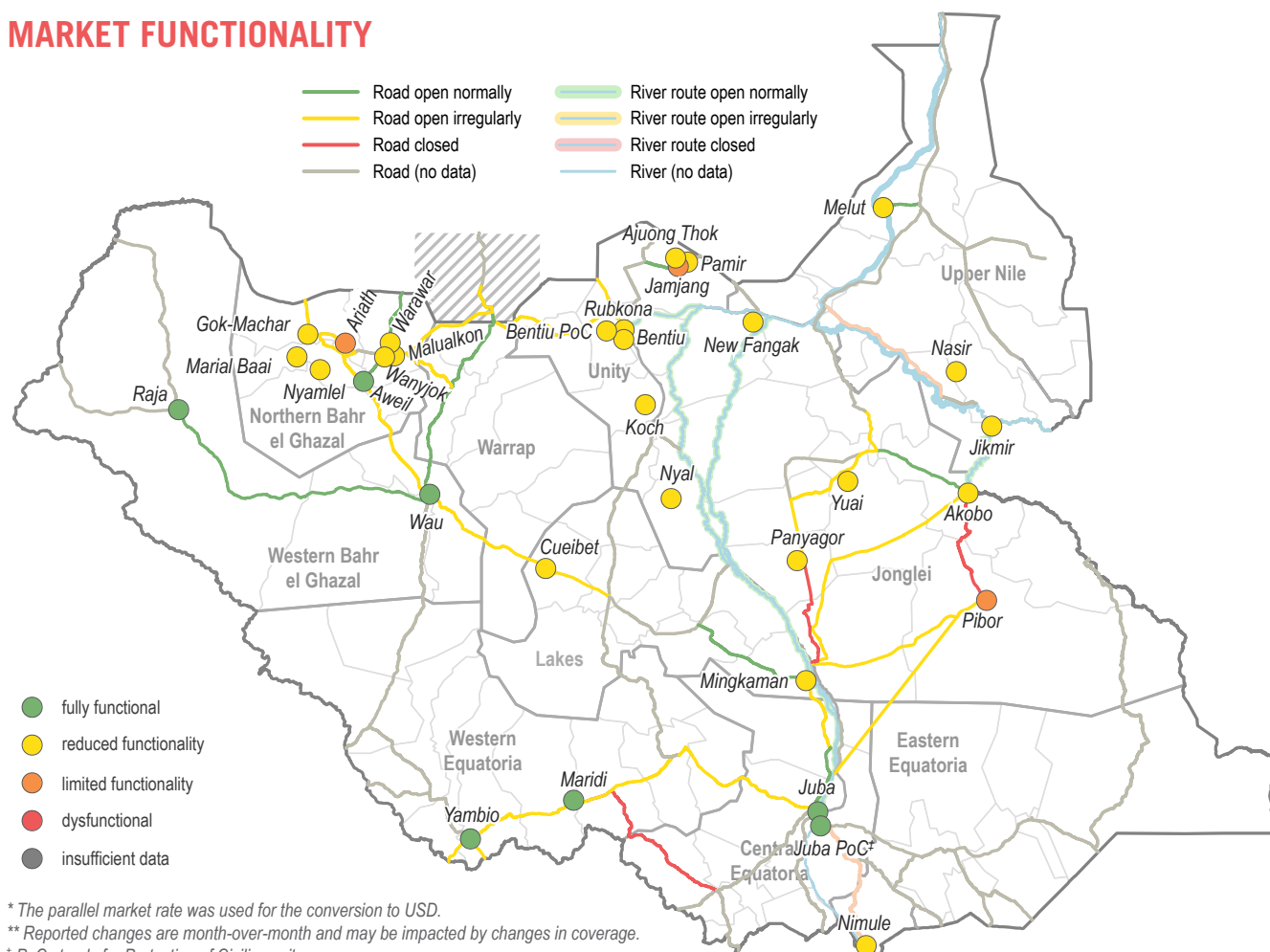
326

64.06 SSP ▲ +24%

## PARTICIPATING AGENCIES

ACTED  
CAFOD-Trócaire  
CARE  
Caritas  
Church & Development  
Concern  
Cordaid  
DCA  
DRC  
ICPDD  
GOAL  
HARD  
IOM  
Malteser Int.  
IRC  
Nile Hope  
NRDC  
Oxfam  
Plan  
REACH  
Save the Children  
Solidarités  
SPEDP  
Tearfund  
UNHCR  
UNICEF  
UNKEA  
Welthungerhilfe  
Windle Trust Int.  
World Vision

## MARKET FUNCTIONALITY



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

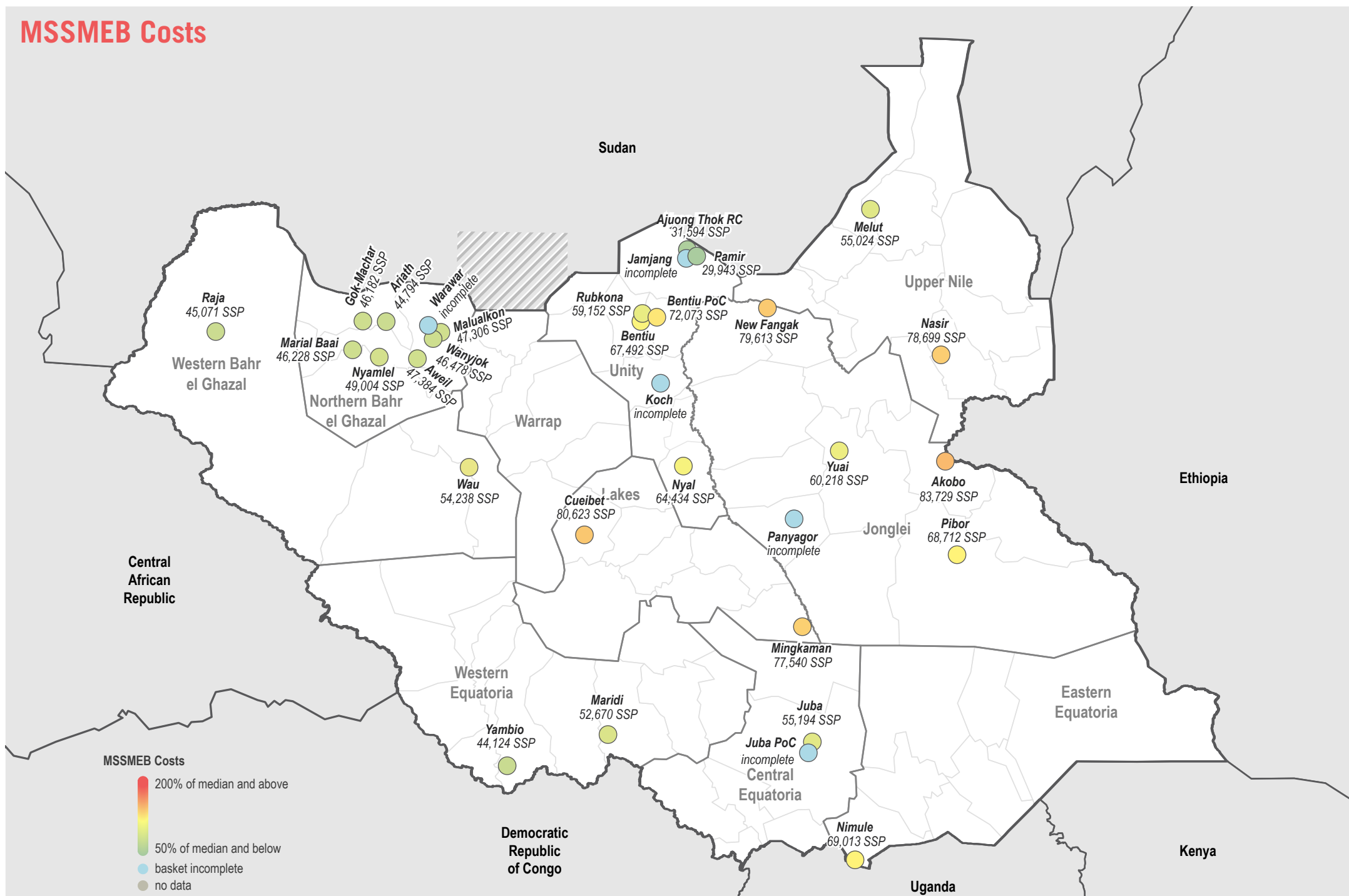
\*\* Reported changes are month-over-month and may be impacted by changes in coverage.

† 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 July.

# MSSMEB Costs



## MSSMEB CONTENTS

### Food Items

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

### Non-Food Items (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		

### Non-Food Items (one-off)\*

Blanket	2 pcs	Sanitary pad	4 pcs
Mosquito net	2 pcs	Underwear	4 pcs
Kitchen set	1 pc	Kanga**	2 pcs
Jerry can	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.

\*\* Traditional piece of garment

## Cost of median MSSMEB (key items)

**55,024 SSP**

**149.72** (at parallel market rate)

**168.88** (at official rate)

Change since June 2021

642 SSP ▼ -1%

Change since July 2020

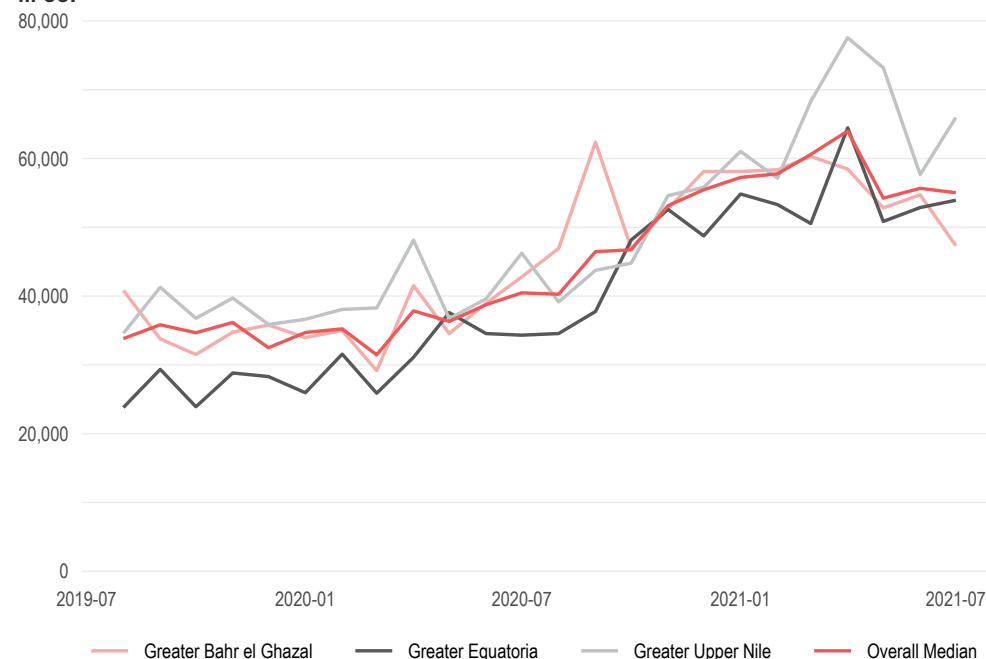
2,621.66 SSP ▲ +6.93%

## MSSMEB PER LOCATION

County	Location	MSSMEB key items in SSP	Change since June 2021	Change since July 2020	MSSMEB key items in USD†
<b>Central Equatoria</b>					
Juba	Juba PoC §	na	na	na	na
	Juba Town	55,194	▲ 4%	▲ 67%	151.22
<b>Eastern Equatoria</b>					
Magwi	Nimule	69,013	▼ 6%	▲ 78%	185.27
<b>Jonglei</b>					
Akobo	Akobo Town	83,729	▲ 8%	▲ 75%	206.74
Fangak	New Fangak	79,613	▼ 3%	▲ 72%	216.63
Pibor	Pibor Town	68,713	▲ 20%	na	151.85
Twic East	Panyagor	na	na	na	na
Uror	Yuai	60,218	na	na	163.86
<b>Lakes</b>					
Awerial	Mingkaman	77,540	▼ 3%	▲ 25%	221.54
Cueibet	Cueibet Town	80,623	▲ 3%	na	175.27
<b>Northern Bahr el Ghazal</b>					
Aweil Centre	Aweil Town	47,384	▼ 15%	▼ 1%	133.47
Aweil East	Malualkon	47,306	▼ 21%	na	128.72
	Wanyjok	46,478	► 0%	na	124.77
	Warawar	na	na	na	na
Aweil North	Ariath	44,794	▲ 9%	na	121.89
	Gok-Machar	46,182	▼ 26%	▲ 3%	125.66
Aweil West	Marial Baai	46,228	▼ 19%	▲ 26%	125.79
	Nyamlei Town	49,004	▼ 5%	▲ 15%	133.34
<b>Unity</b>					
Koch	Koch Town §	na	na	na	na
Panyijiar	Nyal	64,434	na	▲ 70%	155.26
Pariang	Ajuong Thok RC	31,594	▼ 1%	▲ 38%	68.31
	Jamjang	na	na	na	na
	Pamir RC	29,943	▼ 3%	▲ 18%	81.48
Rubkona	Bentiu	67,492	▼ 8%	▲ 10%	183.65
Rubkona	Bentiu PoC	72,073	▲ 25%	na	176.87
	Rubkona	59,152	▼ 18%	▲ 1%	163.18
<b>Upper Nile</b>					
Luakpiny/Nasir	Jikmir †	na	na	na	na
	Nasir Town	78,699	na	na	214.15
Melut	Melut Town	55,024	na	▲ 48%	150.75
<b>Western Bahr el Ghazal</b>					
Raja	Raja Town	45,071	▲ 5%	na	143.08
Wau	Wau	54,238	▲ 5%	▲ 31%	147.59
<b>Western Equatoria</b>					
Maridi	Maridi	52,670	▲ 13%	▲ 86%	145.30
Yambio	Yambio	44,124	▼ 4%	▲ 58%	119.25
<b>Overall</b>		<b>55,024</b>	<b>▼ 1%</b>	<b>▲ 36%</b>	<b>149.72</b>

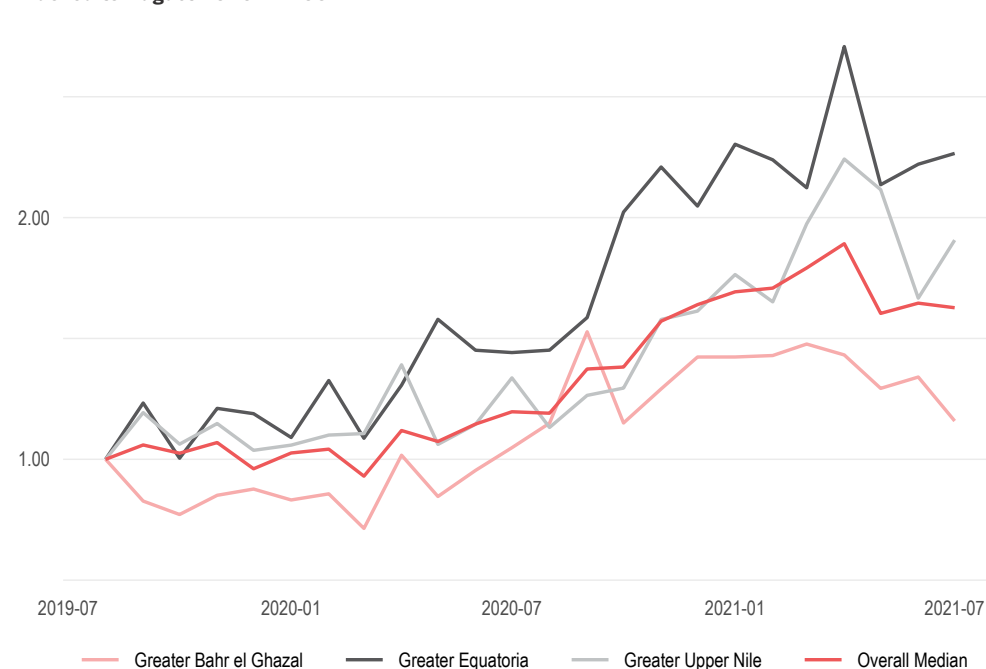
## MSSMEB OVER TIME<sup>5</sup>

in SSP



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

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



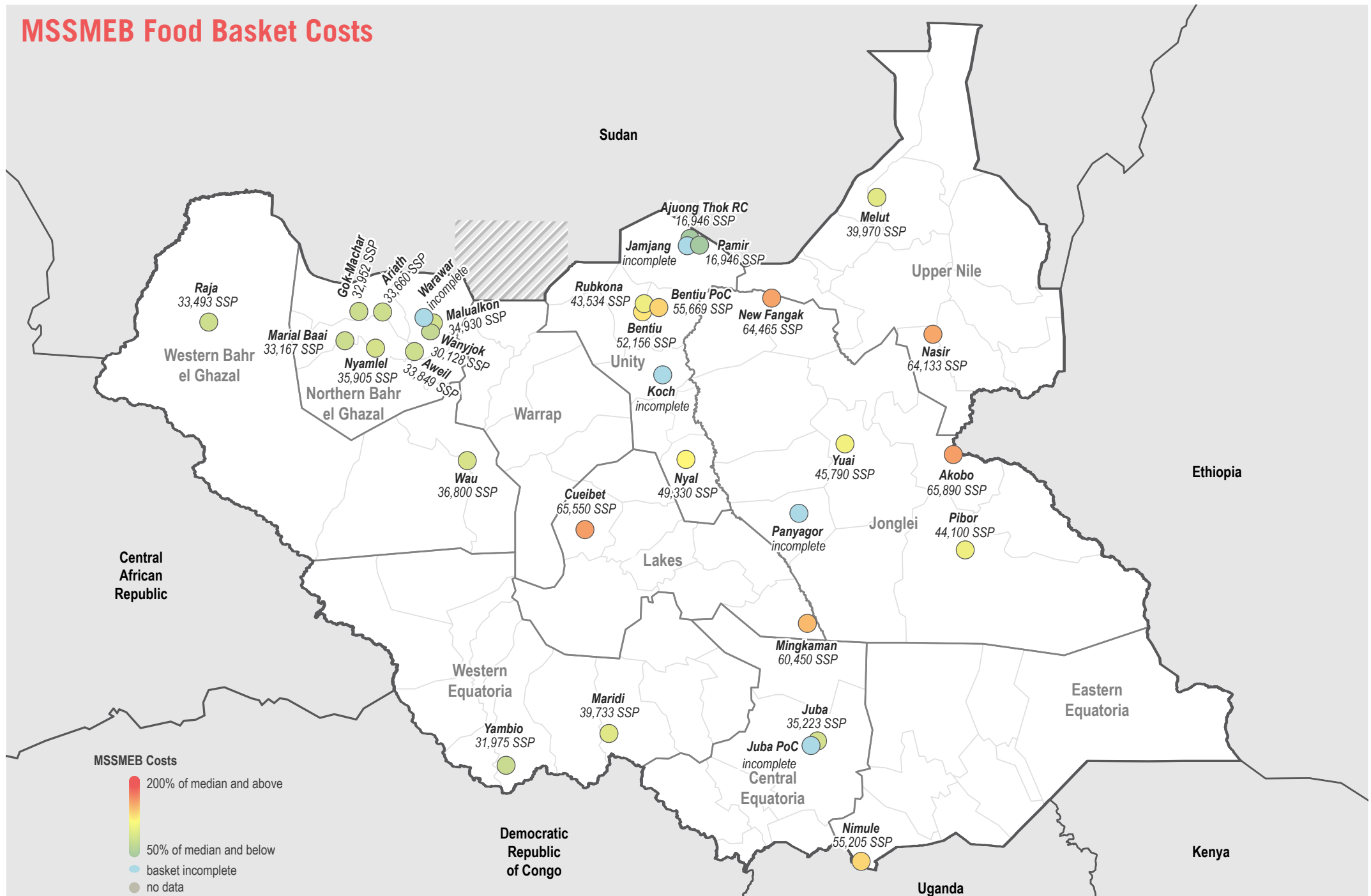
† The parallel market rate was used for the conversion to USD.

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

§ No sorghum nor maize prices were available. No alternate cereal prices were available for Juba PoC, Panyagor, Warawar, Koch and Jimjang, 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



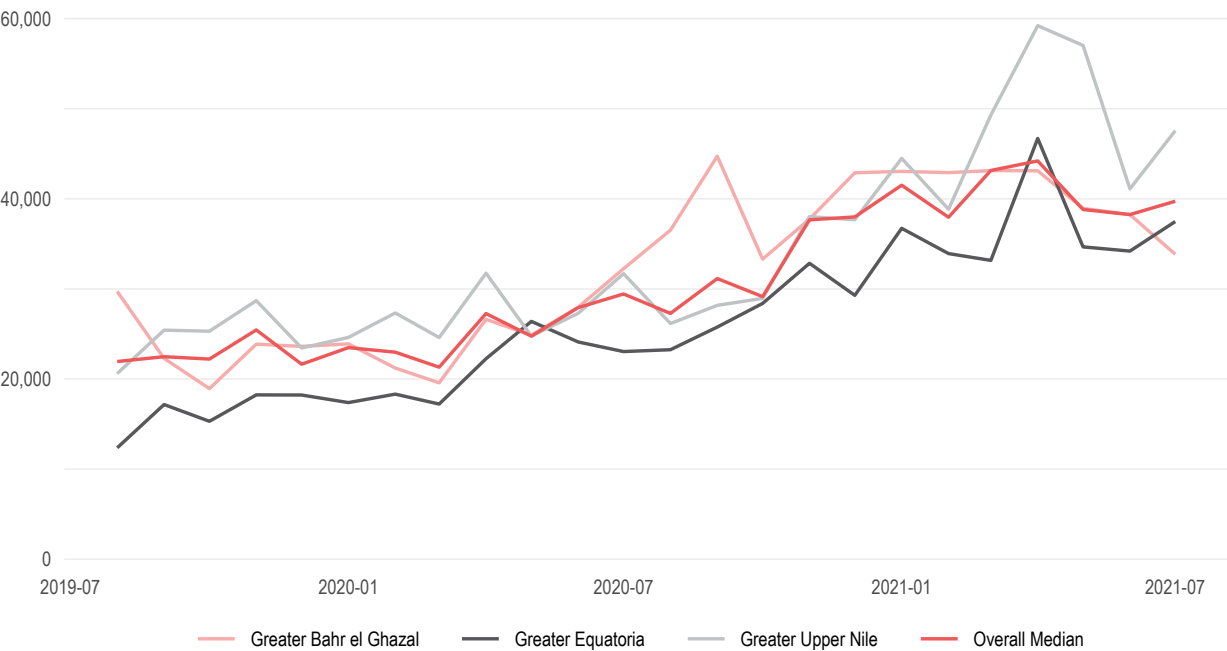
## INDICES PER LOCATION

County	Location	MSSMEB food basket in SSP	Change since June 2021	Change since July 2020	Food price index* in SSP	Change since June 2021	Change since July 2020
Central Equatoria							
Juba	Juba PoC	na	na	na	3,867	▼ 17%	na
	Juba Town	35,223	▲ 3%	▲ 57%	5,008	▼ 7%	▲ 68%
Eastern Equatoria							
Magwi	Nimule	55,205	▼ 5%	▲ 83%	6,777	▼ 17%	▲ 88%
Jonglei							
Akobo	Akobo Town	65,890	▲ 20%	▲ 108%	6,549	▼ 6%	▲ 73%
Fangak	New Fangak	64,465	▼ 2%	▲ 81%	6,725	▼ 6%	▲ 64%
Pibor	Pibor Town	44,100	▲ 25%	na	7,183	▲ 25%	na
TwicEast	Panyagor	na	na	na	5,071	na	▲ 36%
Uror	Yuai	45,790	na	na	5,097	na	na
Lakes							
Awerial	Mingkaman	60,450	► 0%	▲ 87%	5,742	▼ 2%	▲ 68%
Cueibet	Cueibet Town	65,550	▲ 7%	na	4,625	▼ 20%	na
Northern Bahr el Ghazal							
Aweil Centre	Aweil Town	33,849	▼ 14%	▼ 4%	4,293	▼ 14%	▲ 33%
Aweil East	Malualkon	34,930	▼ 11%	na	4,646	▼ 16%	na
	Wanyjok	30,129	▲ 5%	na	4,819	▲ 30%	na
Aweil North	Warawar	na	na	na	5,111	▼ 12%	na
	Arith	33,660	▲ 21%	na	4,710	▲ 11%	na
	Gok-Machar	32,952	▼ 25%	▼ 7%	4,710	▼ 20%	▲ 32%
Aweil West	Marial Baai	33,167	▼ 13%	▲ 19%	5,140	▼ 3%	▲ 65%
	Nyamlel	35,905	▼ 6%	▲ 7%	5,309	▲ 7%	▲ 49%
Unity							
Koch	Koch Town	na	na	na	7,486	na	▲ 69%
Panyijiar	Nyal	49,330	na	▲ 91%	4,341	▼ 12%	▲ 50%
Pariang	AjuongThok RC	16,946	► 0%	▲ 34%	4,539	▲ 5%	▲ 50%
	Jamjang	na	na	na	4,438	▼ 9%	▲ 12%
	Pamir RC	16,946	▲ 4%	▲ 11%	4,389	▼ 6%	▲ 17%
Rubkona	Bentiu	52,156	▼ 8%	▲ 7%	7,559	▼ 10%	▲ 36%
	Bentiu PoC	55,669	▲ 35%	na	6,524	▲ 47%	na
	Rubkona Town	43,534	▼ 22%	▼ 6%	6,836	▼ 16%	▲ 22%
Upper Nile							
Luakpiny/Nasir	Jikmir	na	na	na	na	na	na
	Nasir Town	64,133	na	na	7,626	na	na
Melut	Melut Town	39,970	na	▲ 56%	7,361	na	▲ 117%
Western Bahr el Ghazal							
Raja	Raja Town	33,493	▲ 30%	na	5,232	▲ 22%	na
Wau	Wau	36,800	▲ 19%	▲ 27%	3,875	▲ 1%	▲ 22%
Western Equatoria							
Maridi	Maridi	39,733	▲ 26%	▲ 115%	4,839	▼ 29%	▲ 78%
Yambio	Yambio	31,975	▲ 3%	▲ 71%	4,193	▲ 15%	▲ 56%
Overall		39,733	▲ 4%	▲ 35%	5,097	▼ 6%	▲ 48%

\*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.

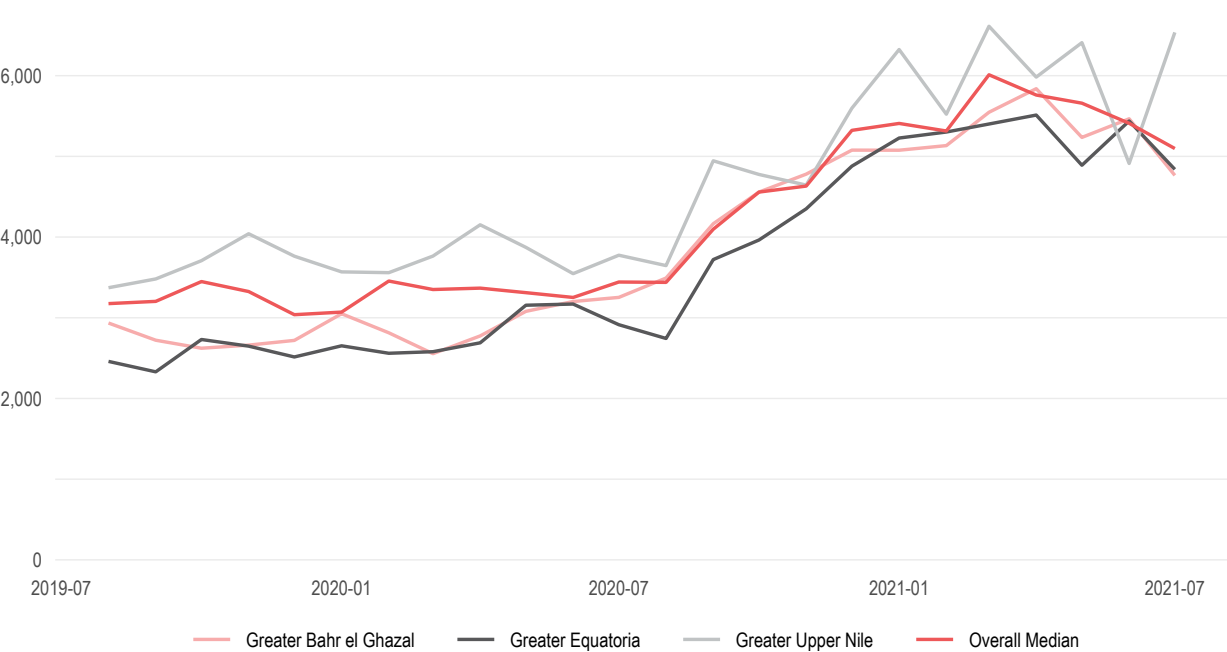
## MSSMEB FOOD BASKET OVER TIME<sup>5</sup>

in SSP



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

in SSP



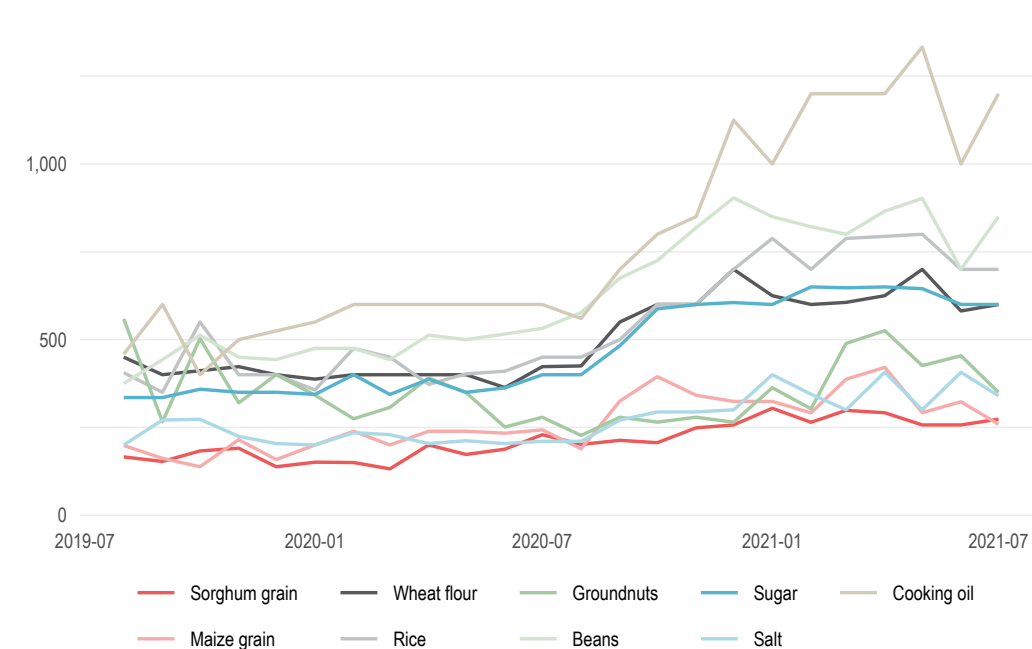
## PRICES OF MONITORED ITEMS

Item	Unit	Median price in SSP	Change since June 2021	Change since June 2020	Median price in USD
<b>Food Items</b>					
Sorghum grain	1 kg	274	▲ 6%	▲ 19%	0.74
Maize grain	1 kg	259	▼ 20%	▲ 7%	0.70
Wheat flour	1 kg	600	▲ 3%	▲ 42%	1.63
Rice	1 kg	700	► 0%	▲ 56%	1.90
Groundnuts (shelled)	1 kg	350	▼ 23%	▲ 25%	0.95
Beans	1 kg	850	▲ 21%	▲ 60%	2.31
Sugar	1 kg	600	► 0%	▲ 50%	1.63
Salt	1 kg	340	▼ 16%	▲ 62%	0.93
Cooking oil	1 L	1,200	▲ 20%	▲ 100%	3.27
Water*	1 L	35	na	na	.05
<b>Non-Food Items</b>					
Soap	200 g	167	▲ 11%	▲ 60%	0.33
Jerrycan	1 pc	1,300	▲ 30%	▲ 160%	3.54
Mosquito net	1 pc	2,500	▲ 47%	▲ 67%	6.80
Exercise book	1 pc	250	▼ 17%	▲ 11%	0.68
Blanket	1 pc	6,625	▲ 26%	▲ 165%	18.03
Cooking pot	1 pc	5,000	► 0%	▲ 25%	13.61
Plastic sheet	1 pc	9,000	▲ 13%	▲ 71%	24.49
Pole	1 pc	1,000	► 0%	► 0%	2.72
Firewood	1 bundle	725	▲ 45%	▲ 81%	1.97
Charcoal	1 kg	106	▼ 8%	▲ 24%	0.29
<b>Livestock Items</b>					
Goat	1 goat	24,250	▲ 4%	▲ 116%	65.99
Chicken	1 chicken	2,600	▼ 5%	▲ 82%	7.07
<b>Services</b>					
Milling costs	1 kg	57	▲ 33%	▲ 97%	0.16
<b>Currencies</b>					
US dollar	1 USD	368	▼ 22%	▲ 17%	
Sudanese pound	1 SDG	1.3	▼ 17%	▼ 65%	
Ethiopian birr	1 ETB	9.0	► 0%	▲ 7%	
Ugandan shilling	1 UGX	0.114	▼ 29%	▲ 25%	
Kenyan shilling	1 KES	na	► 0%	► 0%	

\* Prices only collected for Juba Town

## FOOD PRICES OVER TIME

in SSP



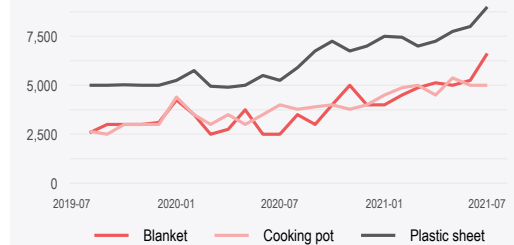
## NFI PRICES OVER TIME

in SSP



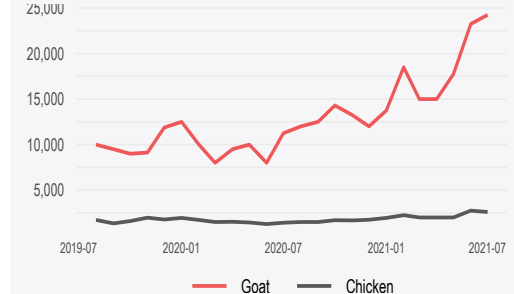
## NFI PRICES OVER TIME CONT.

in SSP

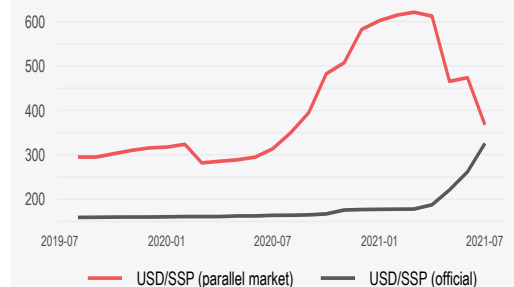


## LIVESTOCK PRICES OVER TIME

in SSP

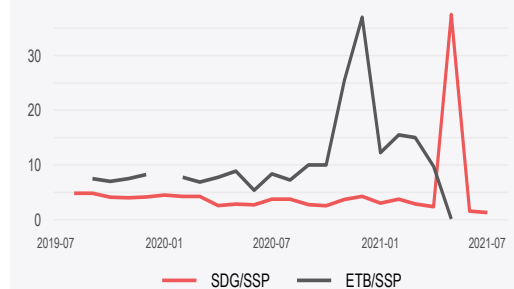


## USD EXCHANGE RATE OVER TIME



## OTHER EXCHANGE RATES OVER TIME

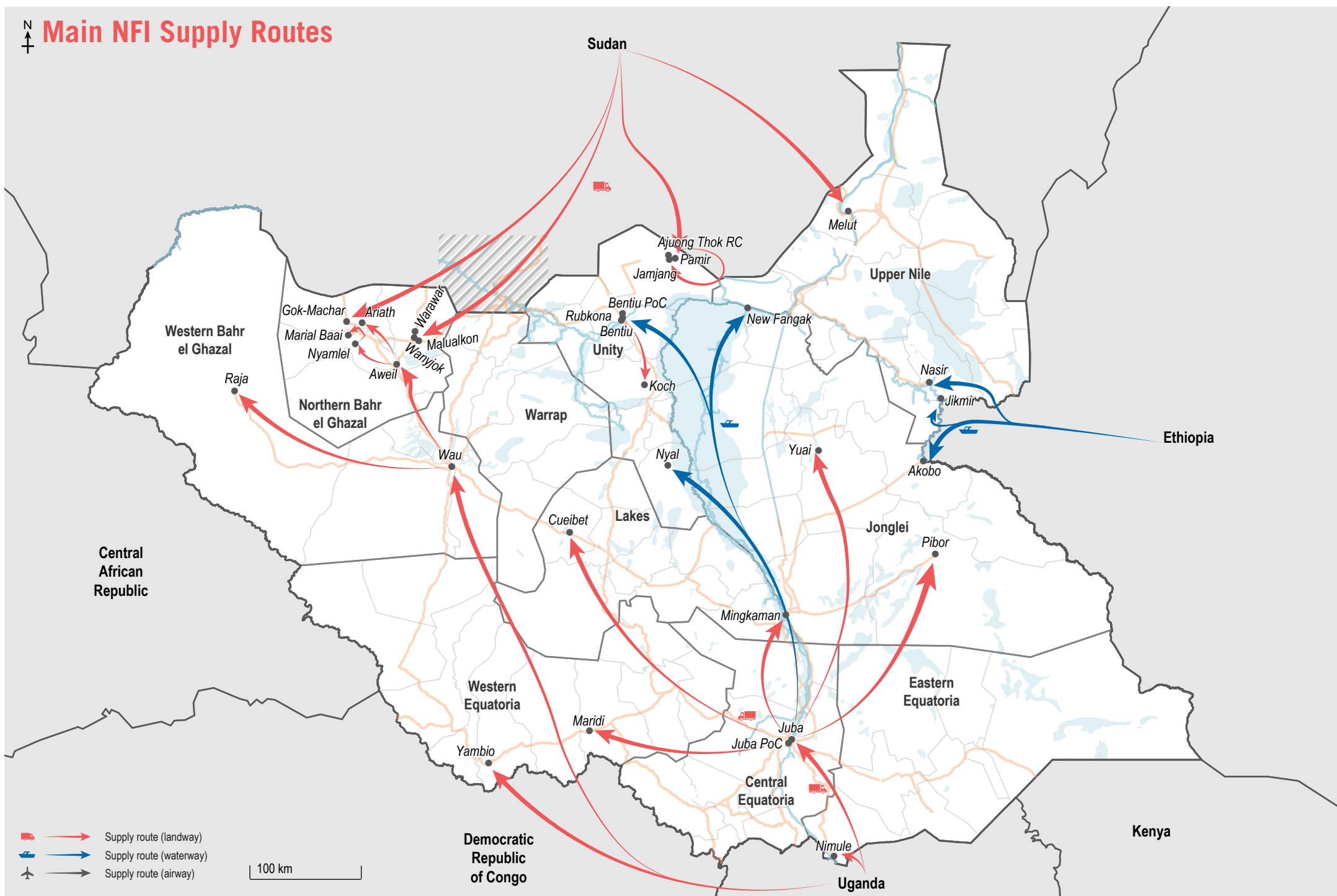
(Parallel market rates)





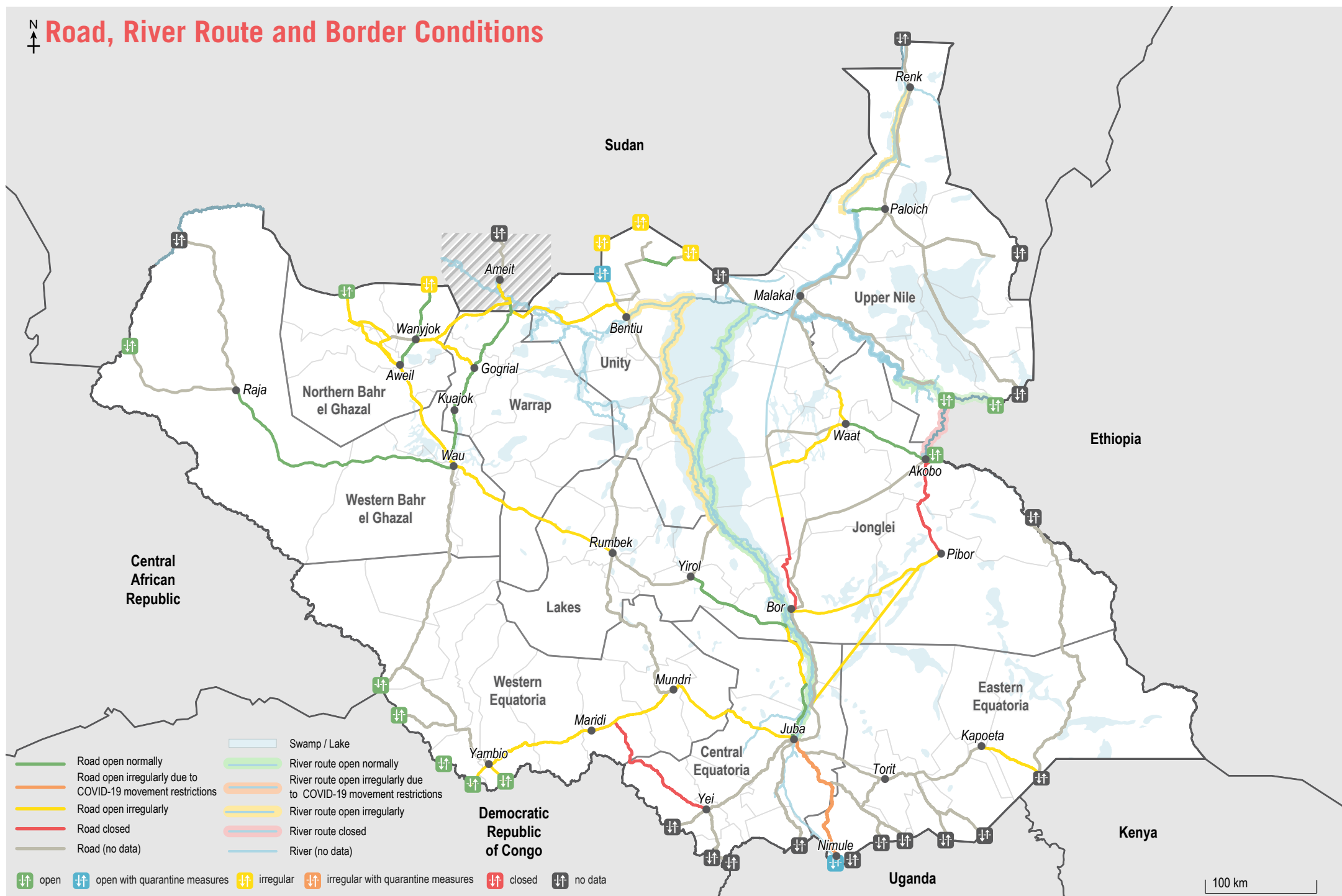


# Main NFI Supply Routes



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.

# Road, River Route 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

Truck 57%

Car 23%

Motorbike 9%

Bicycle 4%

Boat 3%

Airplane 3%

3 days

median time to restock locally produced cereals from out of town

10 days

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

5 days

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



52% of traders reported restocking NFIs from a wholesaler in town



18% of staple cereal traders reported restocking from a local producer



43% of food traders expect price increases  
16% of food traders do not expect price changes  
24% of food traders expect price decreases  
17% of food traders do not have any price expectations



41% of non-food traders expect price increases  
19% of non-food traders do not expect price changes  
22% of non-food traders expect price decreases  
18% of non-food traders do not have any price expectations

### Reported restocking constraints\*

No constraints	34%	
Poor road conditions	28%	
High taxation in marketplace	25%	
Insecurity along supply route	16%	
High checkpoint costs	15%	
Poor river conditions	13%	
Lack of capital	12%	
Insecurity in the marketplace	10%	
Borders closed	9%	
Movement restrictions	7%	
Border quarantine measures	7%	
No mode of transport	7%	
No access to foreign currency	6%	
High fuel prices	4%	
Lack of storage	4%	
Lack of supplies	3%	

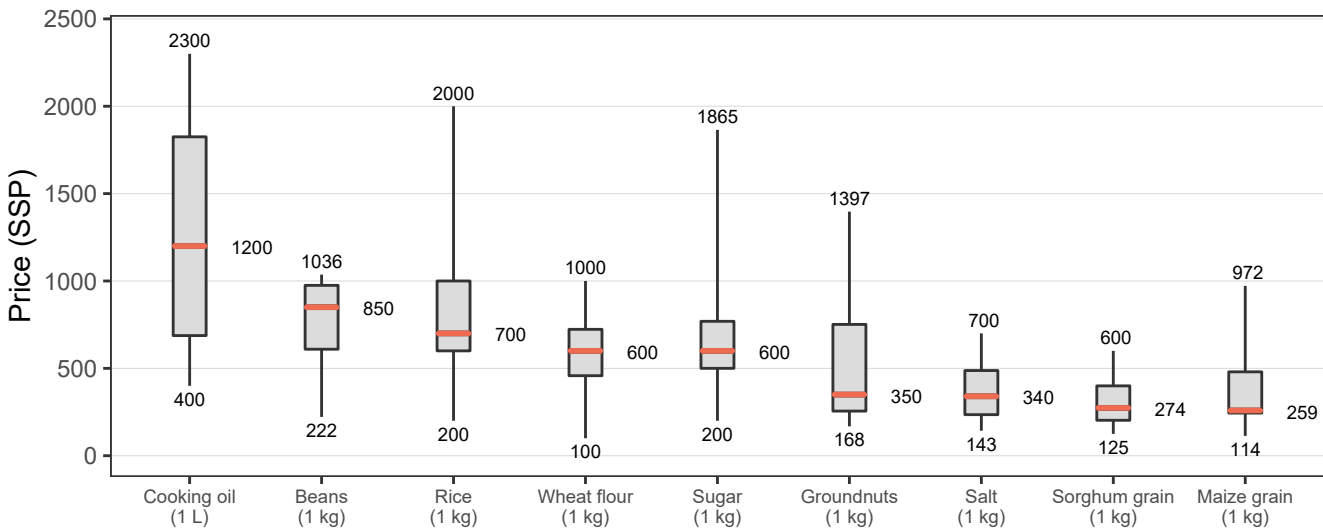
### Accepted payment modalities\*

Cash (SSP)	97%	
Cash (USD)	35%	
Cash (other currency)	7%	
Mobile money	3%	
Credit	2%	
Bartering	0%	

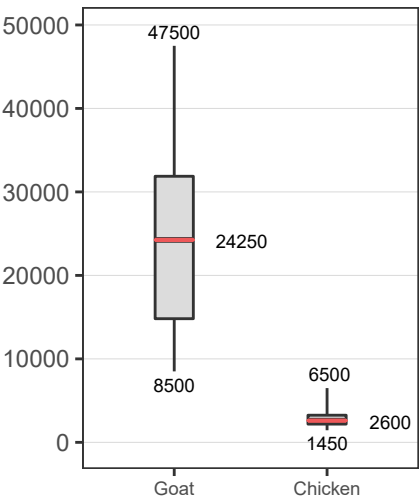
\* Values do not add up to 100% as traders were allowed to select multiple options.

Distribution of Prices

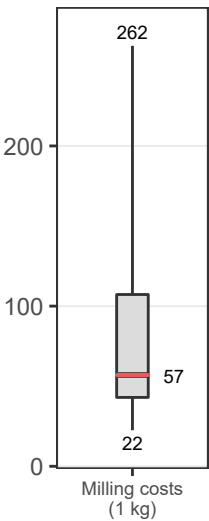
Food Items



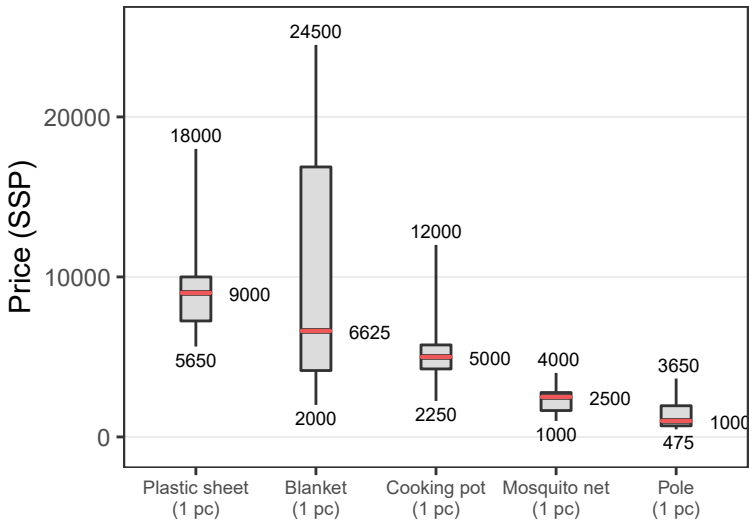
Livestock



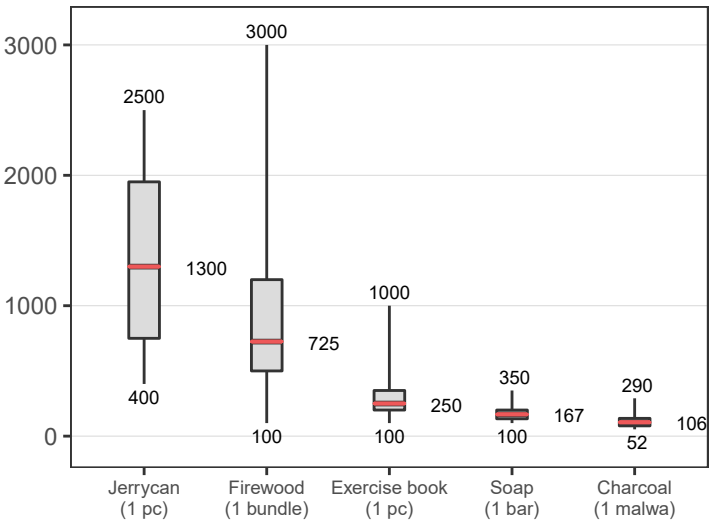
Services



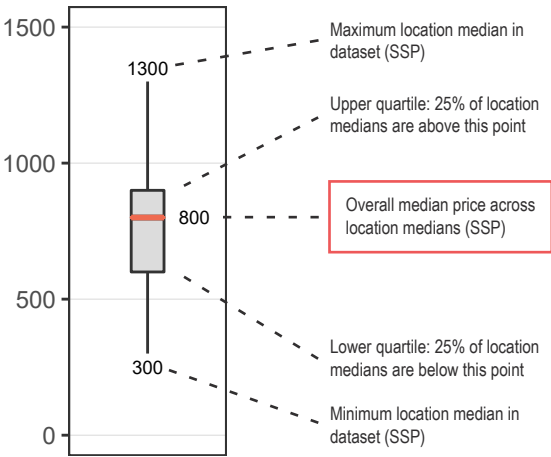
NFIs



NFIs cont.



How to read a boxplot



\* 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	100	200	na	na	784	250	800	na	109	na	na	na	na	na	na	na	na	58	na	na	171
	Juba Town	300	250	350	700	750	750	600	375	933	35	100	600	2,000	275	3,100	5,250	5,650	3,000	1,500	290	46,500	6,500	136
Eastern Equatoria																								
	Nimule	377	478	845	901	1,397	665	914	200	1,000	na	133	700	3,000	100	2,000	4,500	6,500	500	500	174	na	na	30
Jonglei																								
Akobo	Akobo Town	510	na	763	788	na	na	689	na	2,000	na	350	na	na	na	na	na	na	1,500	3,000	138	na	na	200
Fangak	New Fangak	546	615	na	1,014	na	na	1,075	475	na	na	267	na	2,000	350	na	na	10,000	580	500	87	na	na	na
Pibor	Pibor Town	na	na	1,000	na	na	1,000	1,000	600	2,000	na	200	na	1,000	500	na	na	10,000	3,500	200	249	30,000	2,500	263
Twic East	Panyagor	na	na	na	na	na	721	628	na	1,200	na	na	na	na	na	na	na	na	na	2,000	276	40,000	na	79
Uror	Yuai	340	259	458	na	na	na	na	na	na	na	267	na	2,500	na	na	na	10,000	800	1,000	103	20,000	1,500	na
Lakes																								
Awerial	Mingkaman	510	na	750	600	473	750	600	600	1,200	na	167	400	1,500	300	5,500	5,500	9,000	1,600	600	147	28,000	4,750	250
Cueibet	Cueibet Town	600	600	na	600	175	1,000	500	150	400	na	167	1,500	na	na	5,750	8,000	7,500	1,500	1,200	88	12,000	4,250	71
Northern Bahr el Ghazal																								
Aweil Centre	Aweil Town	212	194	500	600	168	950	450	219	1,000	na	109	1,500	1,000	100	24,500	3,500	6,000	1,000	500	172	14,750	3,000	57
Aweil East	Malualkon	272	na	na	na	265	na	900	400	400	na	200	na	na	na	na	na	na	na	900	52	na	na	43
	Wanyjok	205	na	458	675	756	842	725	250	650	na	133	2,000	na	500	na	5,750	7,000	675	575	95	23,500	2,650	43
	Warawar	212	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	87	8,500	na	43
Aweil North	Ariath	na	na	500	650	227	1,000	500	300	1,000	na	133	850	1,500	175	8,500	3,750	na	1,000	125	58	15,000	2,000	29
	Gok-Machar	185	114	600	700	265	1,000	500	147	1,200	na	133	2,000	na	200	na	na	na	na	125	114	na	na	44
Aweil West	Marial Baai	184	na	700	600	265	1,000	525	407	1,200	na	133	2,500	1,800	200	na	3,500	10,000	na	100	110	na	na	39
	Nyamlel Town	187	162	600	675	265	900	500	220	1,800	na	133	na	na	200	na	na	na	na	125	114	32,500	2,550	29
Unity																								
Koch	Koch Town	na	na	na	na	na	na	1,865	588	2,000	na	333	na	na	1,000	na	na	na	na	na	103	na	na	na
Panyijiar	Nyal	382	na	300	300	na	300	200	250	2,000	na	200	525	2,500	na	na	4,250	7,500	1,500	2,100	112	na	na	na
Pariang	Ajuong Thok RC	125	na	600	1,200	500	222	600	500	533	na	167	na	2,700	300	4,500	12,000	18,000	na	na	61	na	na	43
	Jamjang	na	na	600	1,200	na	222	500	500	533	na	200	na	na	250	na	na	na	na	na	58	25,000	2,500	43
	Pamir RC	125	na	600	1,200	na	222	600	500	533	na	184	na	2,500	290	na	na	na	na	na	60	na	na	43
Rubkona	Bentiu	318	305	768	851	873	1,037	701	407	2,300	na	167	1,950	3,000	350	19,000	6,000	13,500	3,650	725	76	26,000	3,100	189
	Bentiu PoC	453	486	477	1,200	435	511	662	700	1,600	na	333	na	2,500	250	na	2,250	9,000	3,000	1,200	131	na	na	64
	Rubkona Town	262	310	747	845	824	909	667	373	1,900	na	167	1,900	3,000	350	16,500	7,000	11,750	3,500	900	78	35,500	3,250	225
Upper Nile																								
Luakpiny/Nasir	Jikmir	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	Nasir Town	546	972	na	2,000	na	na	965	143	na	na	200	na	na	na	na	na	na	500	2,000	121	na	na	na
Melut	Melut Town	212	na	na	1,000	1,200	950	800	na	2,000	na	233	750	2,850	250	na	na	16,000	700	na	136	12,500	1,450	45
Western Bahr el Ghazal																								
Raja	Raja Town	198	227	600	1,000	189	na	600	268	1,300	na	200	2,250	1,500	150	18,000	4,250	na	na	1,500	87	11,000	1,750	72
Wau	Wau Town	275	250	450	500	200	850	450	200	700	na	133	950	2,000	400	7,500	5,500	7,500	850	600	166	16,000	2,250	72
Western Equatoria																								
Maridi	Maridi	na	259	450	563	265	887	452	340	1,350	na	117	800	4,000	200	2,950	4,500	6,000	475	825	116	na	na	23
Yambio	Yambio	na	259	na	563	559	554	538	280	567	na	100	1,300	na	200	na	5,000	7,750	1,000	600	79	47,500	3,250	57
Overall median		274	259	600	700	350	850	600	340	1,200	35	167	1,300	2,500	250	6,625	5,000	9,000	1,000	725	106	24,250	2,600	57

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	7	7	na	na	7	14	14	7	na	na	na	na	na	na	na	8	1
	Juba Town	18	21	25	21	25	25	21	25	21	21	21	28	33	33	26	30	5	6	10
Eastern Equatoria																				
Nimule	Nimule Town	14	30	28	33	25	25	41	39	25	18	26	33	75	60	75	60	1	2	2
Jonglei																				
Akobo	Akobo Town	11	na	16	7	na	na	5	29	21	29	na	na	na	na	na	na	na	63	60
Fangak	New Fangak	14	14	21	21	na	na	14	60	14	30	na	14	7	na	na	7	12	13	12
Pibor	Pibor Town	na	na	35	na	na	86	5	29	25	2	na	14	14	na	na	14	na	na	2
Twic East	Panyagor	na	na	na	na	na	90	90	na	90	na	na	na	na	na	na	na	na	5	na
Uror	Yuai	90	30	30	na	na	na	na	na	na	30	na	21	na	na	na	na	7	5	5
Lakes																				
Awerial	Mingkaman	30	na	30	30	30	60	30	30	30	45	30	30	30	45	60	30	5	5	5
Cueibet	Cueibet Town	30	30	na	60	29	30	30	30	30	30	30	na	na	30	30	30	na	na	2
Northern Bahr el Ghazal																				
Aweil Centre	Aweil Town	105	60	90	45	135	75	180	180	45	165	45	45	135	45	120	90	na	na	na
Aweil West	Maluaklon	2	na	na	na	2	na	14	21	14	8	na	na	14	na	na	na	na	3	8
	Wanyjok	6	na	18	15	14	18	10	11	14	7	14	21	14	na	4	3	na	5	3
	Warawar	2	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Aweil North	Ariath	na	na	90	60	2	30	60	21	21	21	14	14	11	14	90	na	na	2	1
	Gok-Machar	44	14	8	37	60	5	15	18	21	10	14	na	21	na	na	na	2	5	5
Aweil West	Marial Baai	14	na	21	41	18	5	6	14	8	14	na	6	14	na	14	7	1	6	1
	Nyamlel Town	18	6	14	14	14	14	18	25	18	21	na	na	18	na	na	na	1	5	2
Unity																				
Koch	Koch Town	na	na	60	30	na	45	90	45	26	60	na	na	60	na	na	na	na	na	15
Panyijiar	Nyal	60	na	60	60	na	60	60	60	30	60	45	45	na	na	45	45	na	5	6
Pariang	Ajuong Thok RC	21	na	21	30	26	21	30	60	25	30	na	21	45	28	30	21	4	4	4
	Jamjang	na	na	28	35	na	18	29	30	21	29	na	na	41	na	na	na	na	na	5
	Pamir RC	21	na	28	30	na	19	30	30	21	25	na	30	30	na	na	na	3	na	8
Rubkona	Bentiu	21	21	25	30	28	28	21	14	21	21	14	14	28	28	28	11	2	9	8
	Bentiu PoC	7	7	7	7	14	14	14	60	14	14	na	14	14	na	14	26	16	15	30
	Rubkona	25	21	21	21	28	25	21	18	21	21	18	18	28	21	60	7	2	9	9
Upper Nile																				
Luakpiny/Nasir	Jikmir	2	7	10	5	na	5	10	45	3	4	5	14	14	na	na	3	na	1	2
	Nasir Town	41	14	22	9	na	na	6	60	14	14	1	na	na	na	na	na	na	2	3
Melut	Melut Town	48	na	30	30	45	30	60	60	60	45	60	60	48	na	na	45	3	15	13
Western Bahr el Ghazal																				
Raja	Raja Town	60	41	90	na	18	na	90	22	35	60	18	18	150	3	142	na	2	6	2
Wau	Wau Town	26	30	26	26	14	26	26	26	26	26	26	26	26	26	26	26	na	29	30
Western Equatoria																				
Maridi	Maridi	na	5	14	7	4	11	10	14	7	7	14	60	11	29	60	30	na	13	8
5	Yambio	na	3	na	na	6	na	5	na	na	na	na	na	na	na	na	na	na	11	17

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 [www.bankofsouthsudan.org](http://www.bankofsouthsudan.org). The rates from 01 July were used for the calculation of the monthly change.

JMMI OUTPUTS

Factsheets	Datasets
2021	
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

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.