

## 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>

31 assessed locations<sup>†</sup>

51 assessed marketplaces

667 key informants

21 assessed commodities

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

**55,666 SSP**

117.5 USD\*

1,432 SSP ▲ +3%

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

**38,254 SSP**

80.75 USD\*

562 SSP ▼ -1%

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

**474**

468 SSP ▲ +8%

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

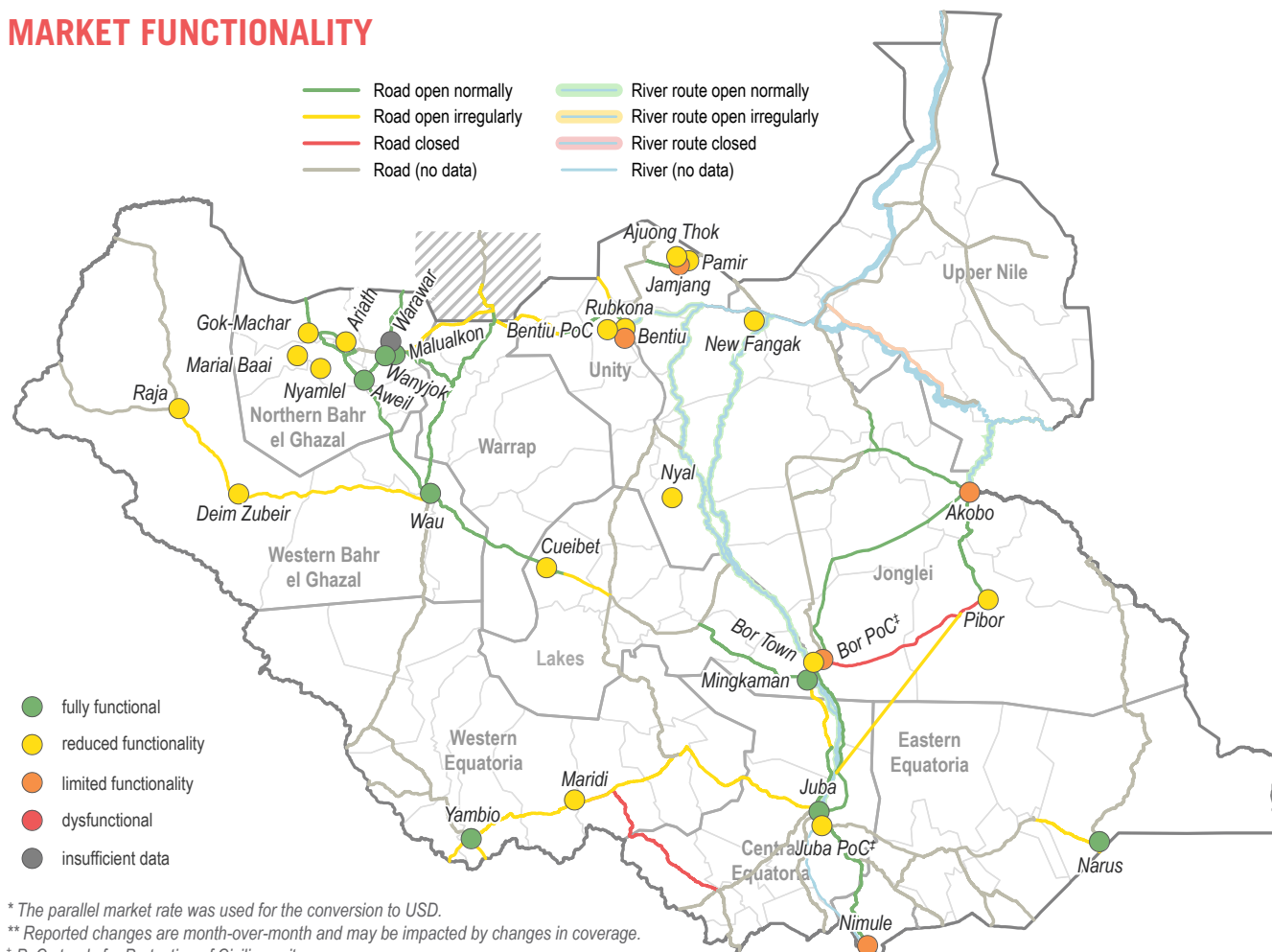
**262**

41 SSP ▲ +8%

## PARTICIPATING AGENCIES

ACTED  
CAFOD-Trócaire  
CARE  
Caritas  
Church & Development  
Concern  
Cordaid  
DCA  
DRC  
ICPDO  
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.

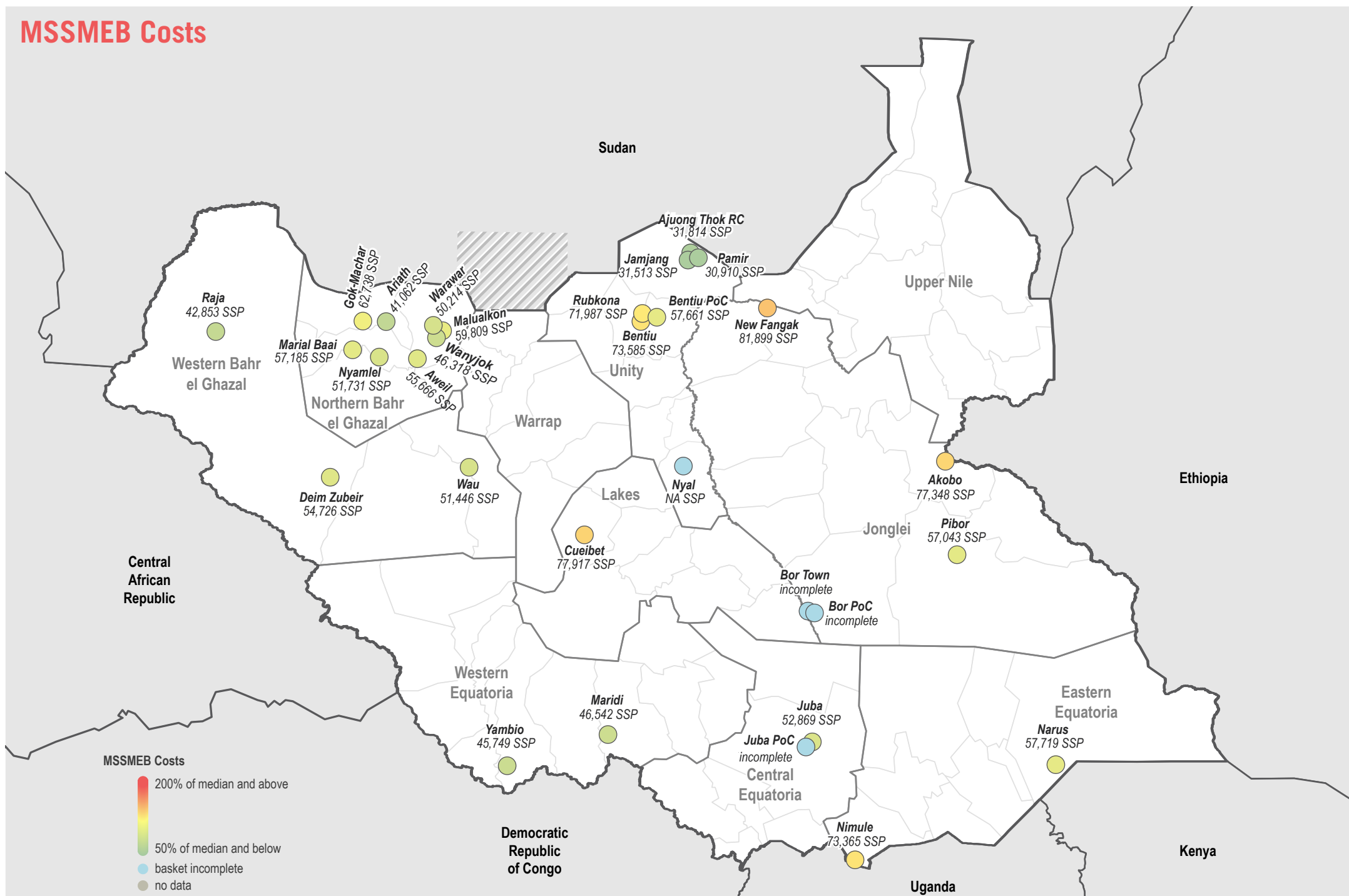
\*\* Reported changes are month-over-month and may be impacted by changes in coverage.

† 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 September

# 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)

**55,666 SSP**

**117.5**(at parallel market rate)

**212.66**(at official rate)

Change since May 2021

**1,432 SSP ▲ +3%**

Change since June 2020

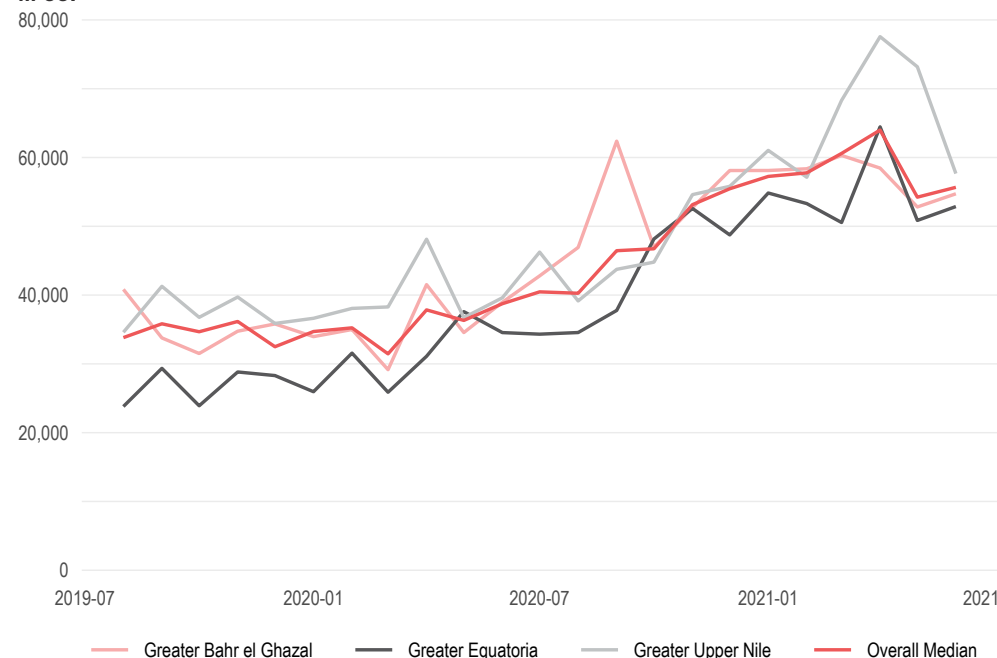
**899 SSP ▲ +2.6%**

## MSSMEB PER LOCATION

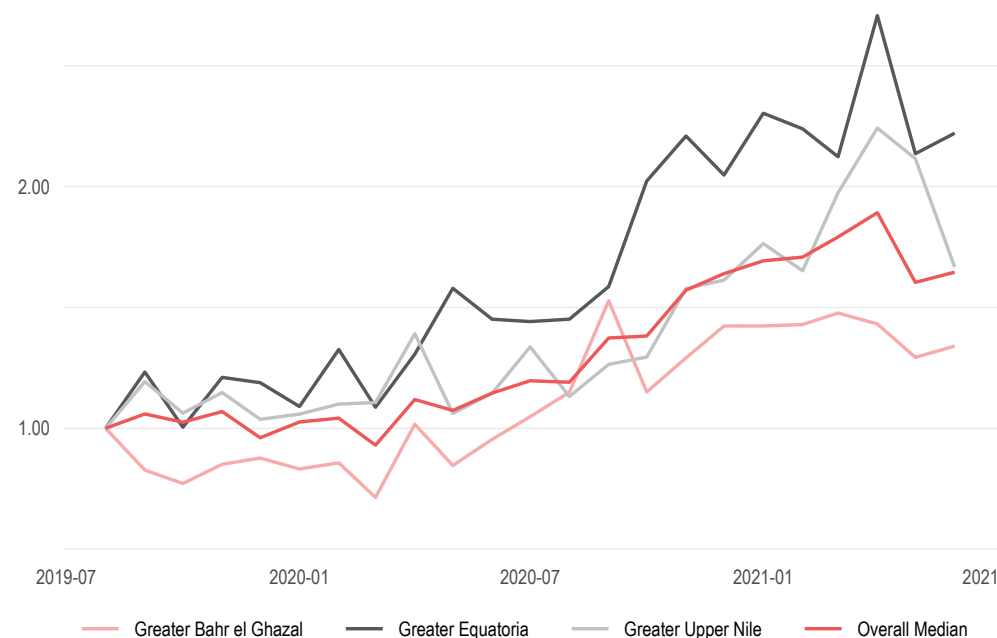
County	Location	MSSMEB key items in SSP	Change since May 2021	Change since June 2020	MSSMEB key items in USD†
<b>Central Equatoria</b>					
Juba	Juba PoC ‡	na	na	na	na
	Juba Town	52,869	▼ 7%	▲ 68%	112.49
<b>Eastern Equatoria</b>					
Kapoeta East	Narus	57,719	▲ 10%	▲ 49%	121.51
Magwi	Nimule	73,365	▲ 10%	▲ 126%	154.86
<b>Jonglei</b>					
Akobo	Akobo Town	77,348	▲ 22%	▲ 88%	169.99
Bor South	Bor PoC ‡	na	na	na	na
	Bor Town	na	na	na	na
Fangak	New Fangak	81,899	▼ 2%	▲ 106%	172.87
Pibor	Pibor Town	57,043	▲ 3%	na	120.09
<b>Lakes</b>					
Awerial	Mingkaman	79,807	▲ 1%	▲ 44%	164.21
Cueibet	Cueibet Town	77,917	▲ 19%	na	164.04
<b>Northern Bahr el Ghazal</b>					
Aweil Centre	Aweil Town	55,666	▲ 7%	▲ 45%	114.48
Aweil East	Malualkon	59,809	na	na	126.25
	Wanyjok	46,318	▼ 13%	na	97.77
	Warawar	50,214	▼ 10%	na	105.99
Aweil North	Ariath	41,062	▼ 21%	na	86.68
	Gok-Machar	62,738	▲ 19%	▼ 21%	134.20
Aweil West	Marial Baai	57,185	na	▲ 68%	120.71
	Nyamlei Town	51,731	▼ 2%	▲ 38%	109.77
<b>Unity</b>					
Panyijjar	Nyal	na	na	na	
Pariang	Ajuong Thok RC	31,814	▼ 13%	▲ 28%	66.63
	Jamjang	31,513	▼ 20%	na	66.52
	Pamir RC	30,910	▼ 19%	▲ 32%	65.25
Rubkona	Bentiu	73,585	▼ 1%	▲ 59%	151.33
	Bentiu PoC ‡	57,661	na	na	121.71
	Rubkona	71,987	▼ 0%	▲ 47%	151.95
<b>Western Bahr el Ghazal</b>					
Raja	Deim Zubeir	54,726	▼ 6%	na	125.81
	Raja Town	42,853	na	na	102.03
Wau	Wau	51,446	▲ 15%	▲ 31%	107.18
<b>Western Equatoria</b>					
Maridi	Maridi	46,542	▼ 5%	▲ 67%	96.46
Yambio	Yambio	45,749	▼ 10%	▼ 9%	98.92
<b>Overall</b>		<b>55,666</b>	<b>▲ 3%</b>	<b>▲ 44%</b>	<b>117.50</b>

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

in SSP



## MSSMEB OVER TIME<sup>5</sup> Indexed to August 2019 = 1.00<sup>6</sup>



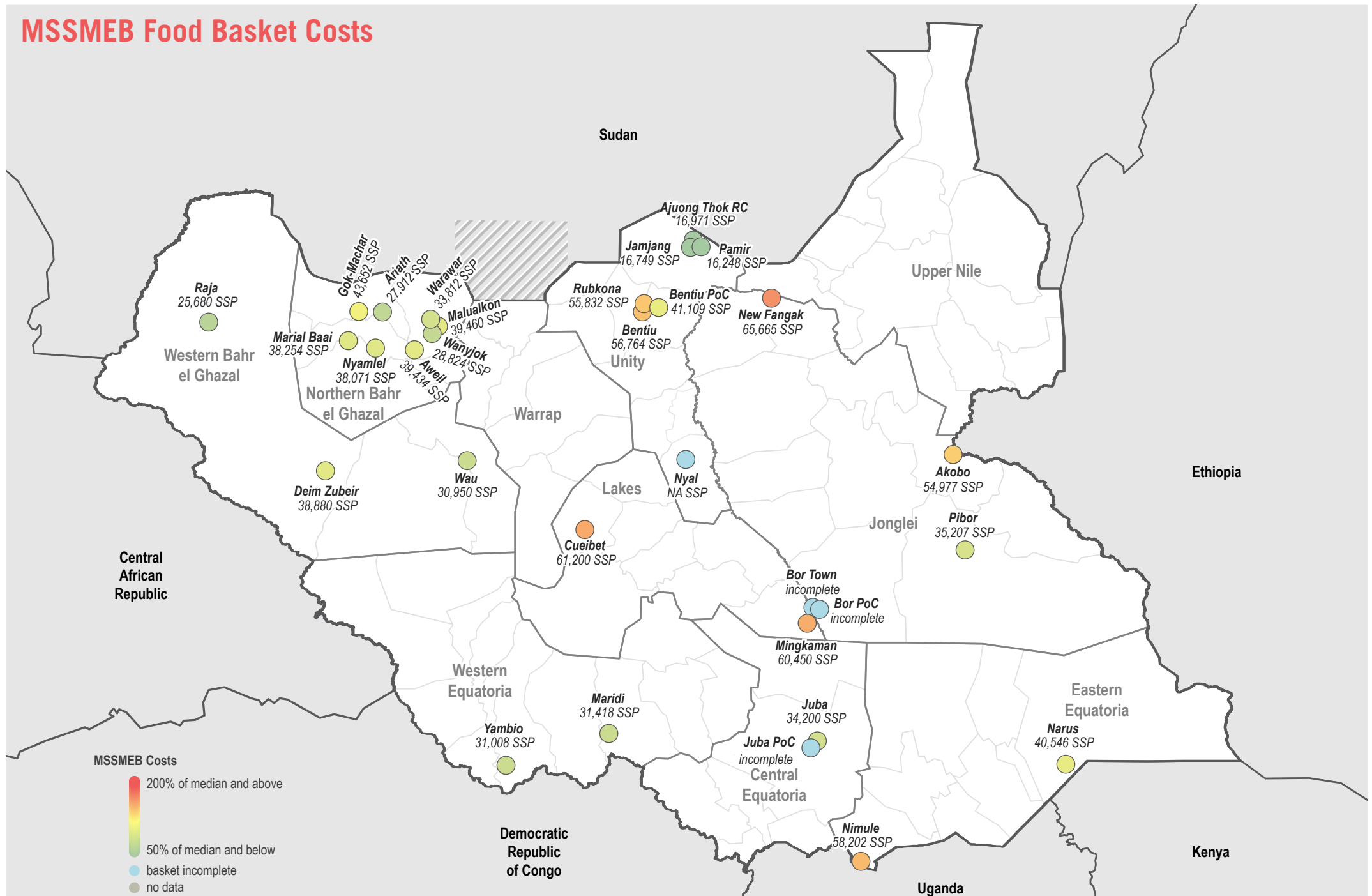
† The parallel market rate was used for the conversion to USD.

‡ The food basket was incomplete, or no SSP conversion rate was available.

§ No sorghum nor maize prices were available. No alternate cereal prices were available for Juba PoC, Bor PoC and Bor Town, 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

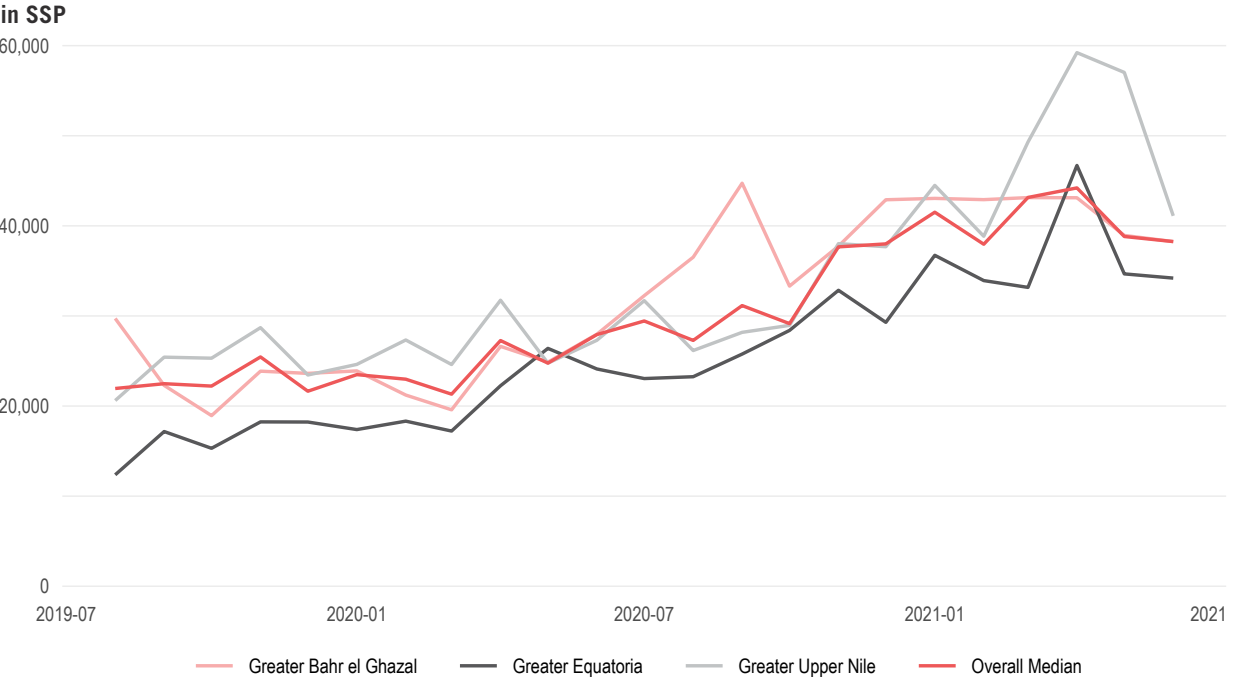


INDICES PER LOCATION

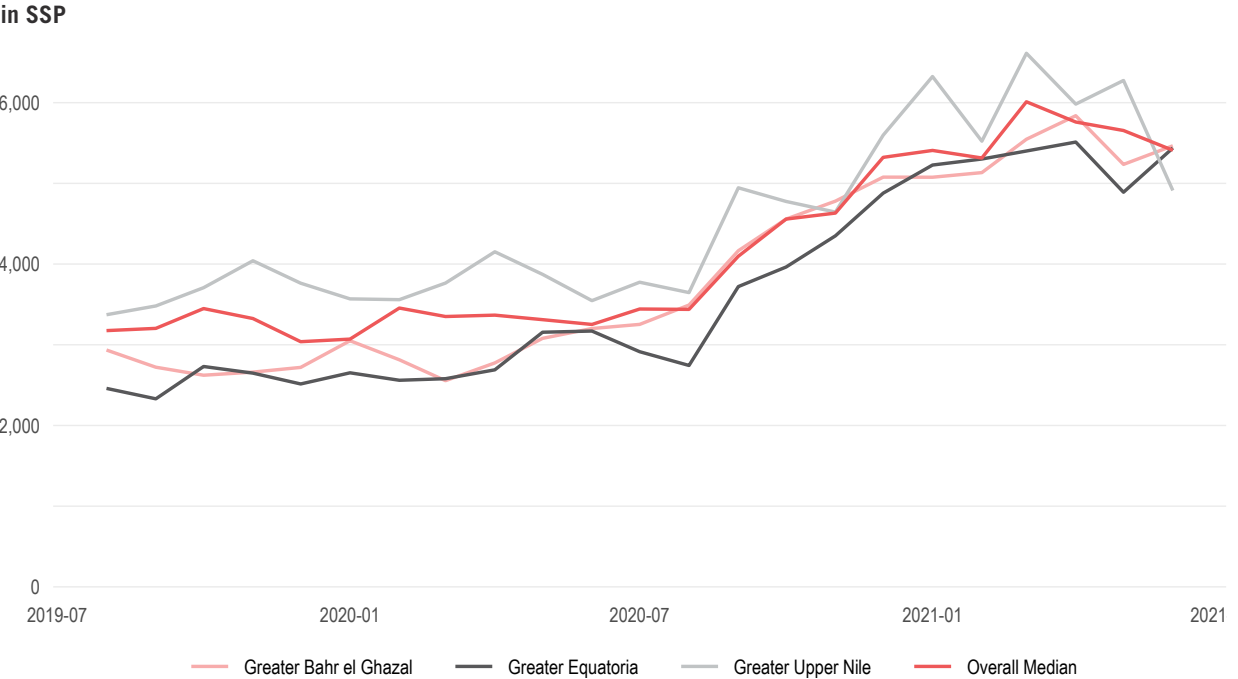
County	Location	MSSMEB food basket in SSP	Change since May 2021	Change since June 2020	Food price index* in SSP	Change since May 2021	Change since June 2020
Central Equatoria							
Juba	Juba PoC	na	na	na	4,634	▲ 19%	na
	Juba Town	34,200	▼ 4%	▲ 68%	5,410	▼ 1%	▲ 133%
Eastern Equatoria							
Kapoeta East	Narus	40,546	▲ 34%	▲ 38%	5,467	▲ 34%	▲ 50%
Magwi	Nimule	58,202	▲ 12%	▲ 141%	8,167	▲ 30%	▲ 132%
Jonglei							
Akobo	Akobo Town	54,977	▲ 30%	▲ 116%	6,990	▼ 13%	▲ 63%
Bor South	Bor Town	na	na	na	3,434	na	na
	Bor PoC	na	na	na	4,233	na	▲ 58%
Fangak	New Fangak	65,665	▼ 4%	▲ 128%	7,914	▲ 21%	▲ 92%
Pibor	Pibor Town	35,207	▼ 4%	na	5,734	▼ 13%	▲ 27%
Lakes							
Awerial	Mingkaman	60,450	▼ 3%	▲ 50%	5,887	▼ 5%	▲ 74%
Cueibet	Cueibet Town	61,200	▲ 44%	na	5,782	▲ 15%	na
Northern Bahr el Ghazal							
Aweil Centre	Aweil Town	39,435	▲ 1%	▲ 41%	5,615	▲ 7%	▲ 79%
Aweil East	Malualkon	39,461	na	na	5,516	na	na
	Wanyjok	28,824	▼ 19%	na	3,715	▼ 20%	na
	Warawar	33,812	▼ 13%	na	5,839	▲ 14%	na
	Ariath	27,912	▼ 24%	na	4,233	▼ 8%	na
Aweil North	Gok-Machar	43,652	▲ 10%	▼ 39%	5,866	▲ 0%	▲ 67%
	Marial Baai	38,254	na	▲ 55%	5,310	na	▲ 64%
Aweil West	Nyamlel Town	38,071	▼ 3%	▲ 39%	4,967	▼ 7%	▲ 44%
Unity							
Panyijiar	Nyal	na	na	na	4,934	▼ 11%	▲ 54%
Pariang	AjuongThok RC	16,971	▼ 24%	▲ %8	4,332	▼ 23%	▲ 24%
	Jamjang	16,749	▼ 32%	na	4,890	▼ 21%	na
	Pamir RC	16,248	▼ 31%	▲ 12%	4,649	▼ 21%	▲ 31%
Rubkona	Bentiu	56,764	▼ 2%	▲ 64%	8,365	▲ 16%	▲ 103%
	Bentiu PoC	41,109	na	na	4,450	▼ 29%	na
	Rubkona Town	55,832	▼ 0%	▲ 50%	8,115	▲ 15%	▲ 85%
Western Bahr el Ghazal							
Raja	Deim Zubeir	38,880	▼ 11%	na	5,466	▼ 4%	na
	Raja Town	25,680	na	na	4,280	na	na
Wau	Wau	30,950	▲ 11%	▲ 11%	3,825	▲ 14%	▲ 21%
Western Equatoria							
Maridi	Maridi	31,418	▼ 7%	▲ 71%	6,826	▼ 1%	▲ 1%38
Yambio	Yambio	31,008	▼ 15%	▼ 26%	3,638	▼ 26%	▲ 15%
Overall		38,254	▼ 1%	▲ 37%	5,410	▼ 4%	▲ 66%

\* 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>



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



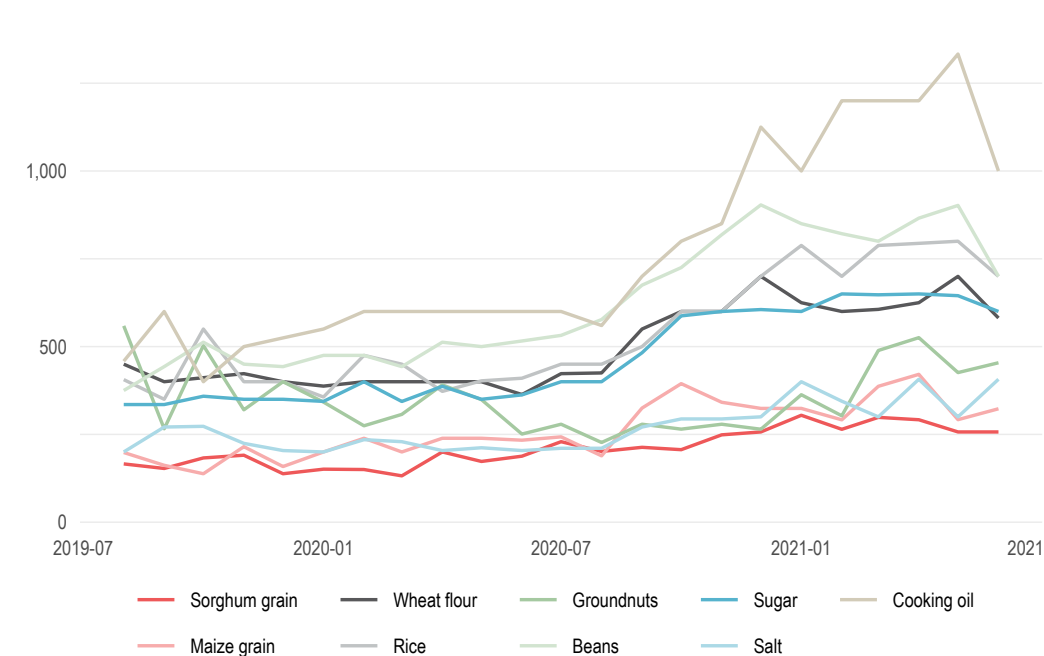
## PRICES OF MONITORED ITEMS

Item	Unit	Median price in SSP	Change since May 2021	Change since June 2020	Median price in USD
<b>Food Items</b>					
Sorghum grain	1 kg	257	► 0%	▲ 37%	0.54
Maize grain	1 kg	323	▲ 11%	▲ 38%	0.68
Wheat flour	1 kg	582	▼ 17%	▲ 60%	1.23
Rice	1 kg	700	▼ 13%	▲ 71%	1.48
Groundnuts (shelled)	1 kg	454	▲ 7%	▲ 81%	0.96
Beans	1 kg	700	▼ 22%	▲ 36%	1.48
Sugar	1 kg	600	▼ 7%	▲ 66%	1.27
Salt	1 kg	407	▲ 36%	▲ 100%	0.86
Cooking oil	1 L	1,000	▼ 25%	▲ 67%	2.11
Water	1 L	150	na	na	na
<b>Non-Food Items</b>					
Soap	200 g	150	▲ 13%	▲ 56%	0.32
Jerrycan	1 pc	1,000	► 0%	▲ 100%	2.11
Mosquito net	1 pc	1,700	▲ 3%	▲ 13%	3.59
Exercise book	1 pc	300	► 0%	▲ 52%	0.63
Blanket	1 pc	5,250	▲ 5%	▲ 110%	11.08
Cooking pot	1 pc	5,000	▼ 7%	▲ 43%	10.55
Plastic sheet	1 pc	8,000	▲ 3%	▲ 45%	16.89
Pole	1 pc	1,000	▼ 7%	▲ 36%	2.11
Firewood	1 bundle	500	► 0%	▲ 18%	1.06
Charcoal	1 kg	116	▲ 34%	▲ 51%	0.24
<b>Livestock Items</b>					
Goat	1 goat	23,250	▲ 31%	▲ 191%	49.08
Chicken	1 chicken	2,750	▲ 38%	▲ 116%	5.80
<b>Services</b>					
Milling costs	1 kg	43	▼ 25%	▲ 48%	0.09
<b>Currencies</b>					
US dollar	1 USD	474	▲ 8%	▲ 61%	
Sudanese pound	1 SDG	1.6	▼ 96%	▼ 42%	
Ethiopian birr	1 ETB	na	na	na	
Ugandan shilling	1 UGX	0.160	▼ 99%	▲ 84%	
Kenyan shilling	1 KES	7.438	► 0%	▲ 132%	

\* Prices only collected for Juba Town

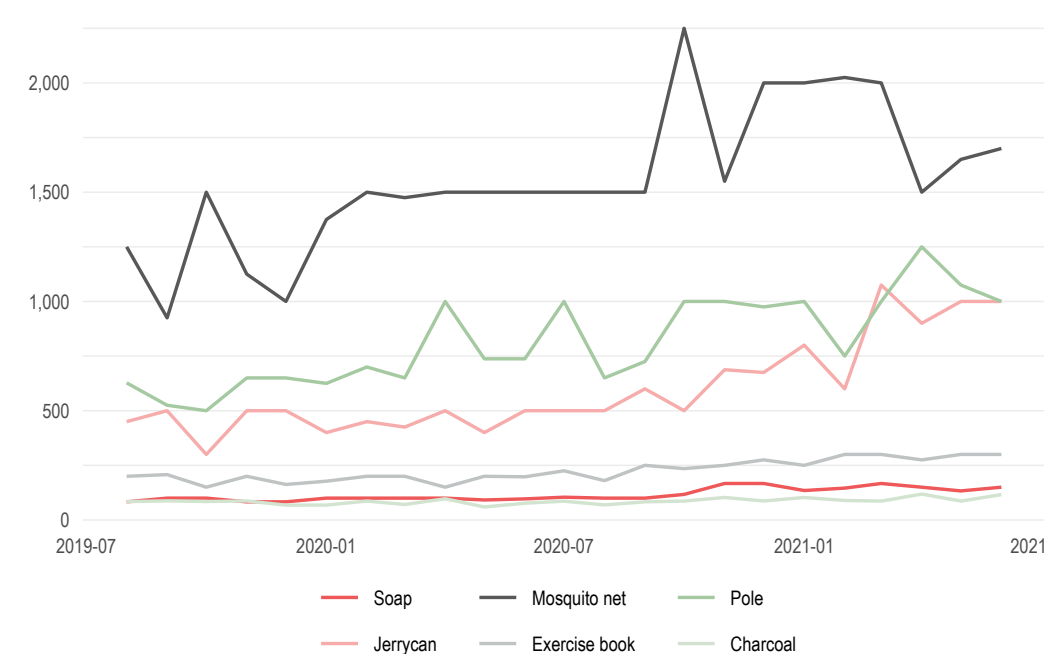
## FOOD PRICES OVER TIME

in SSP



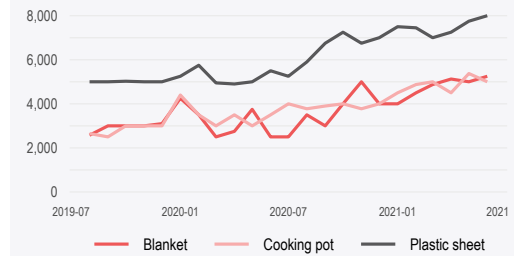
## NFI PRICES OVER TIME

in SSP



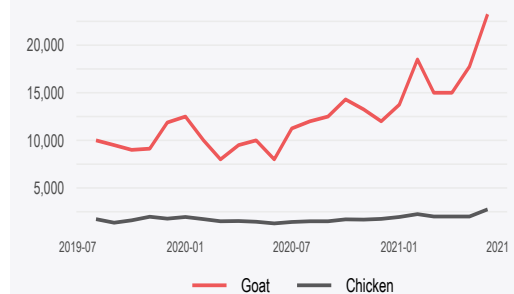
## NFI PRICES OVER TIME CONT.

in SSP

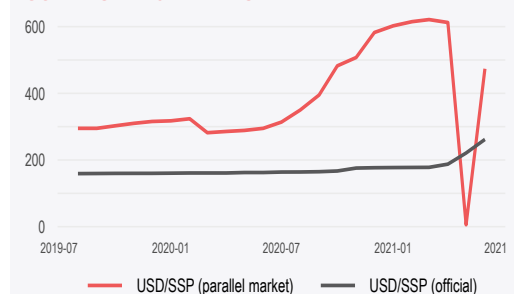


## LIVESTOCK PRICES OVER TIME

in SSP

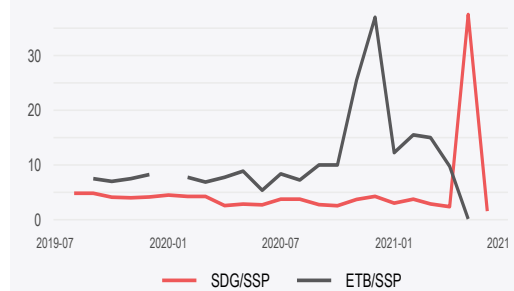


## USD EXCHANGE RATE OVER TIME



## OTHER EXCHANGE RATES OVER TIME

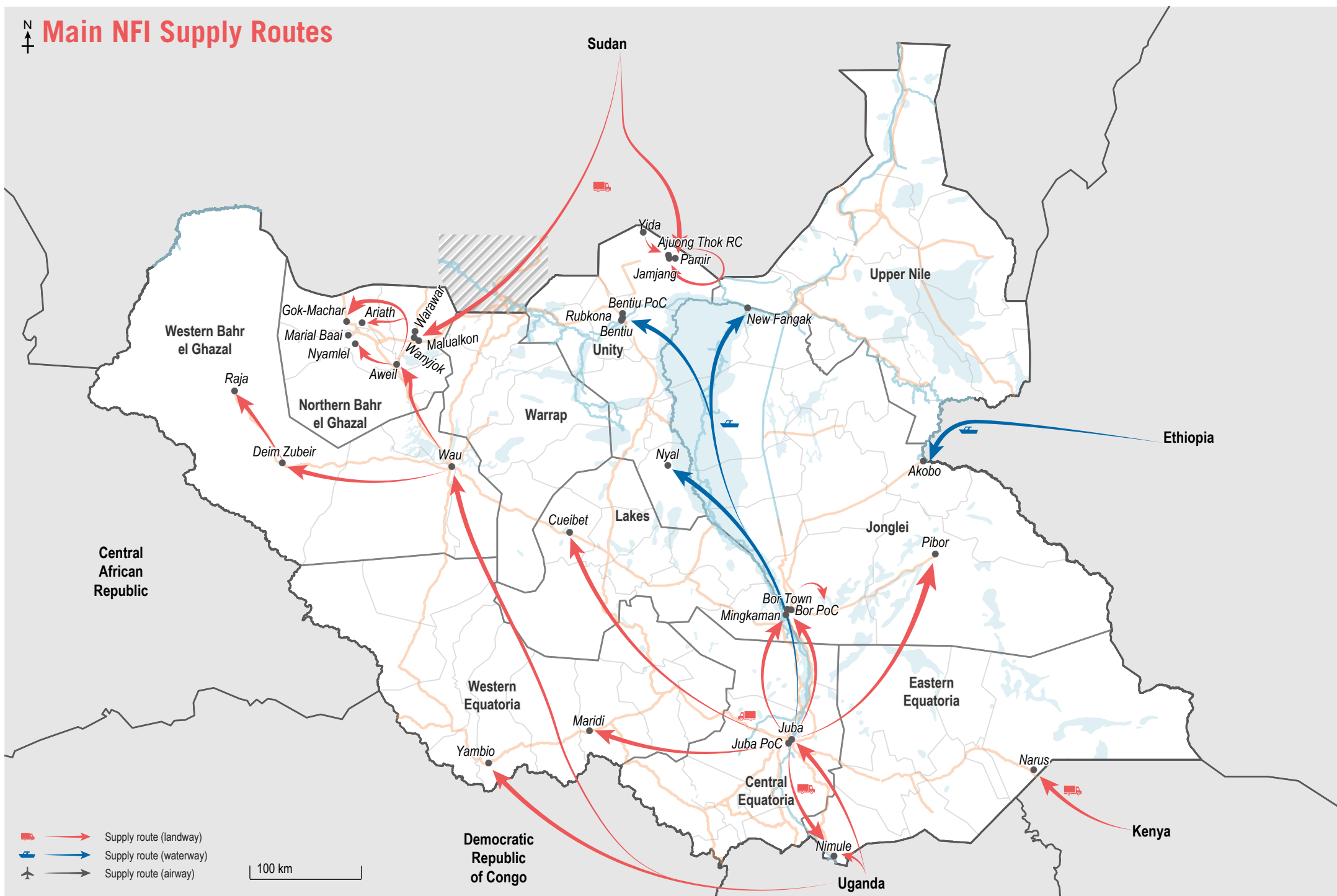
(Parallel market rates)





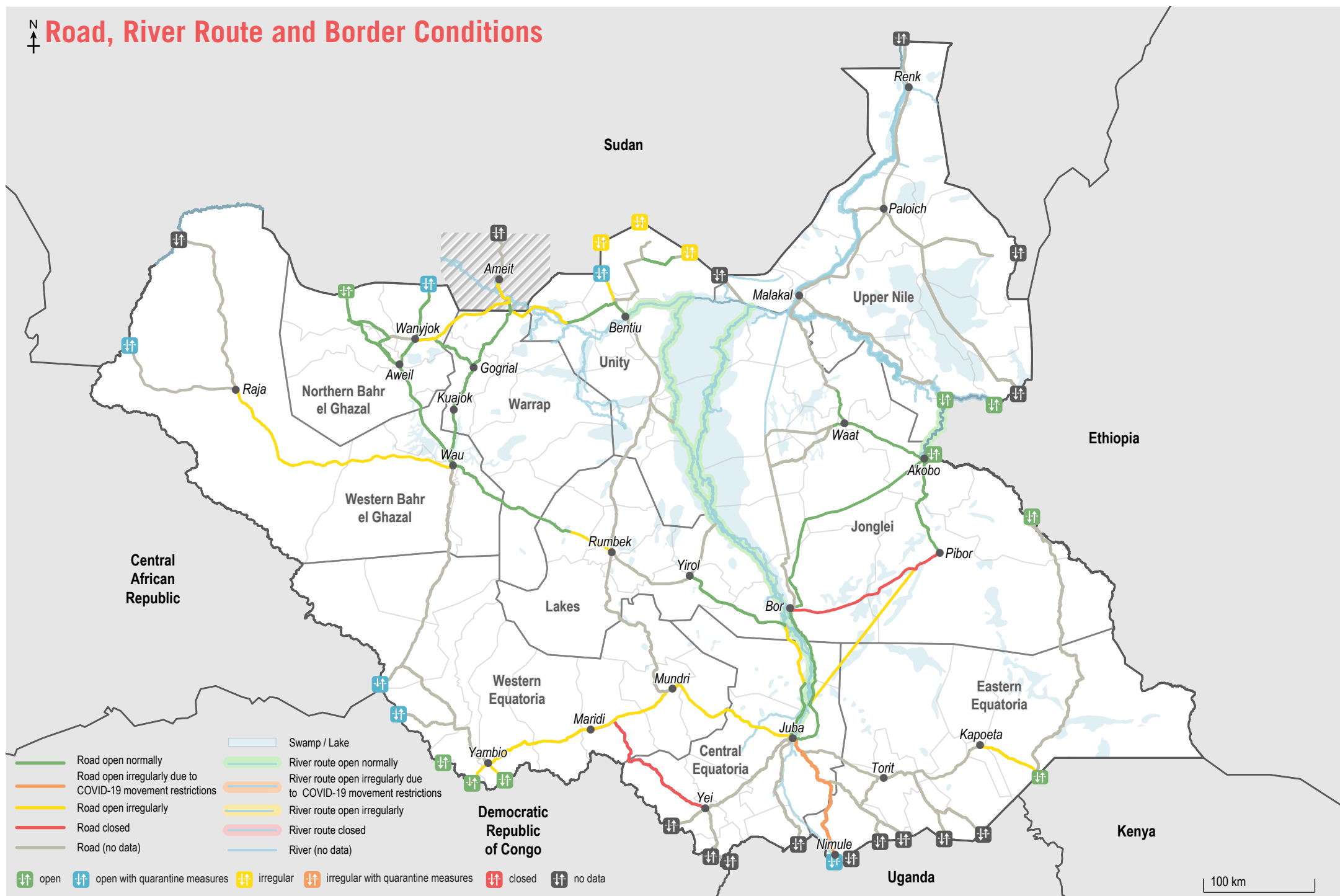


## Main NFI Supply Routes



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

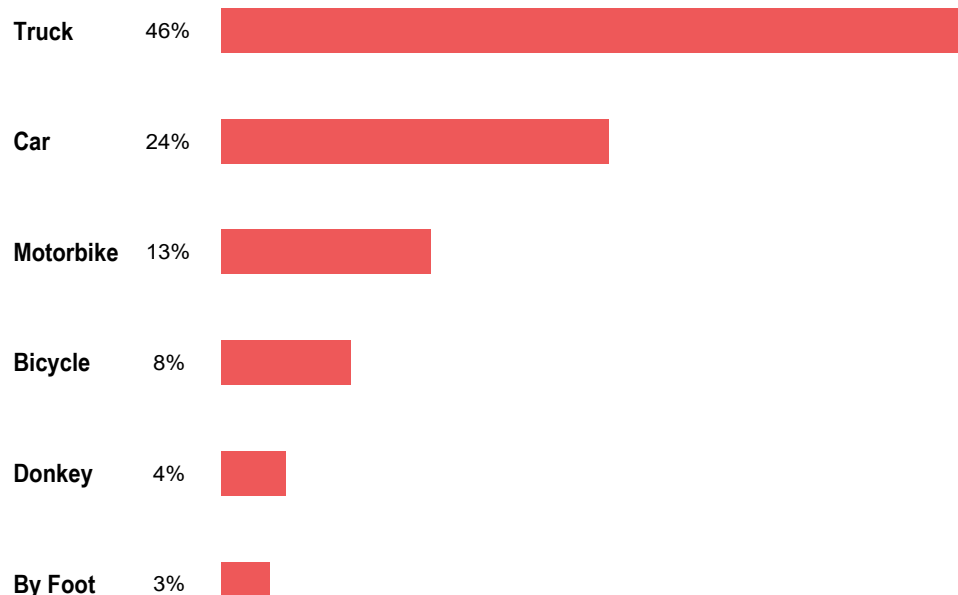


The map illustrates the reported road, river route and border crossing conditions at the time of data collection. The results are indicative of trade activity only.



# Additional Indicators

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



7 days

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

6 days

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

2.5 days

median time to restock locally produced cereals from out of town



73% of traders reported restocking NFIs from a wholesaler in town



31% of staple cereal traders reported restocking from a local producer



67% of food traders expect price increases  
14% of food traders do not expect price changes  
10% of food traders expect price decreases  
9% of food traders do not have any price expectations

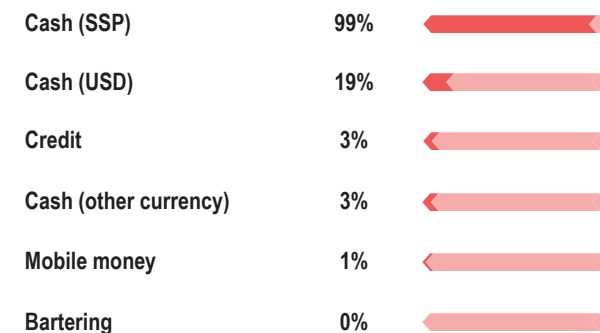


45% of non-food traders expect price increases  
29% of non-food traders do not expect price changes  
10% of non-food traders expect price decreases  
16% of non-food traders do not have any price expectations

## Reported restocking constraints\*



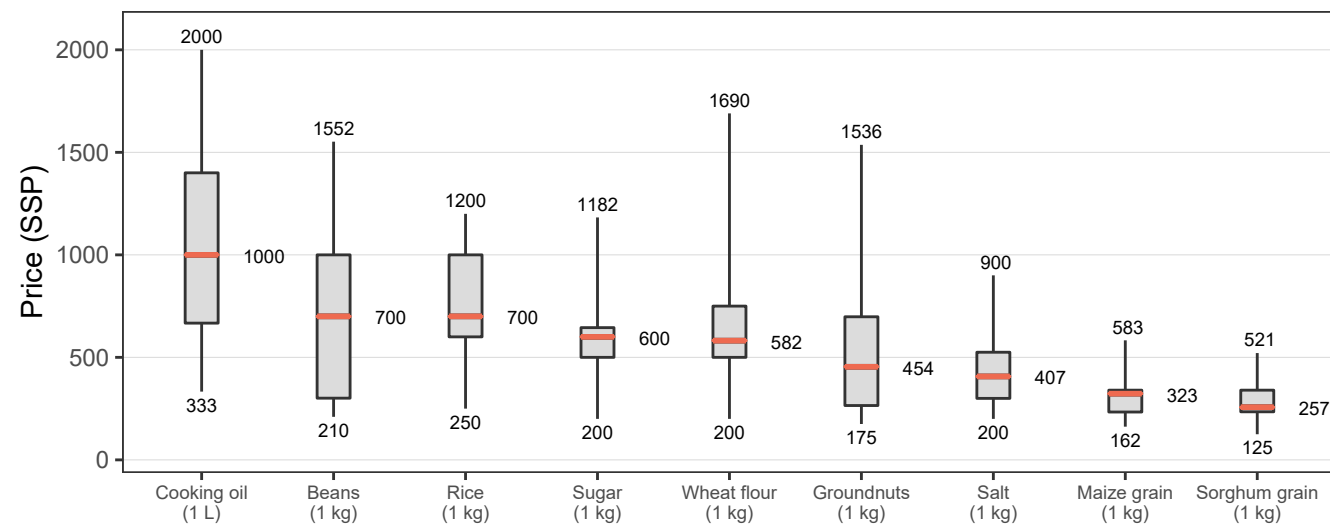
## Accepted payment modalities\*



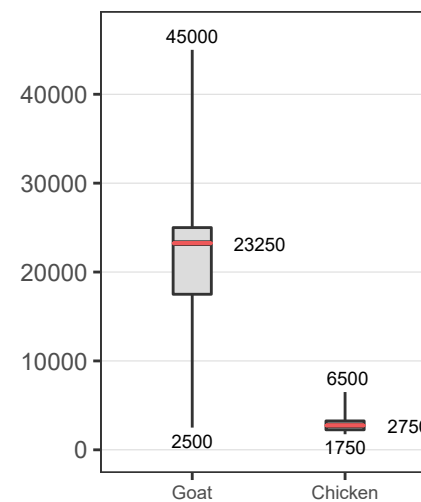
\* Values do not add up to 100% as traders were allowed to select multiple options.

## Distribution of Prices

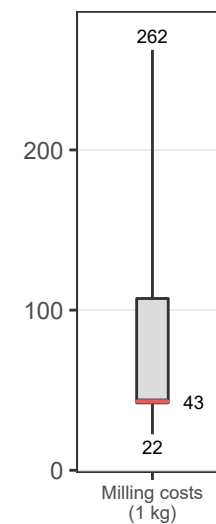
### Food Items



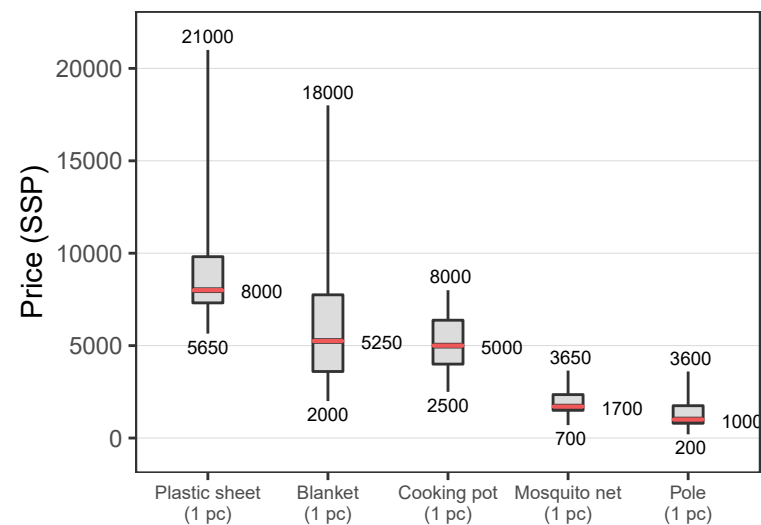
### Livestock



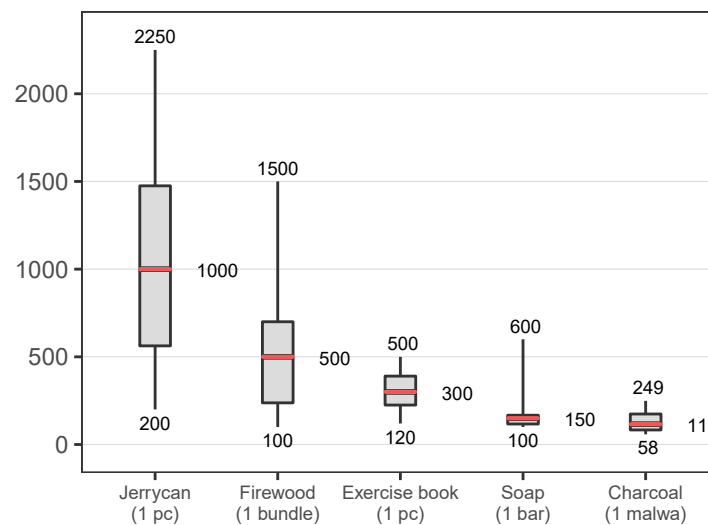
### Services



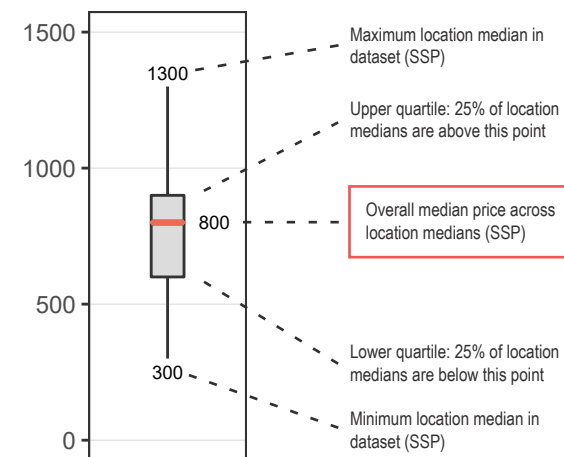
### NFIs



### 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)	Jerry can (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	563	676	na	887	407	400	667	na	117	500	na	300	na	na	na	na	na	116	na	na	na
	Juba Town	270	240	1,100	700	600	700	500	300	1,000	33	117	500	1,500	375	3,500	4,100	6,000	1,000	1,500	174	45,000	6,500	30
Eastern Equatoria																								
Kapoeta East	Narus	257	324	500	250	1,537	554	645	400	1,000	267	167	1,200	2,500	500	3,000	6,750	9,000	2,000	900	58	19,000	1,750	42
Magwi	Nimule	377	478	1,408	1,126	1,397	998	1,183	200	1,000	na	117	1,000	2,350	150	7,000	3,000	8,000	1,000	1,000	145	na	na	30
Jonglei																								
Akobo	Akobo Town	340	na	282	1,126	na	1,330	728	407	2,000	na	600	na	1,500	300	2,000	3,000	15,000	2,000	250	207	na	na	143
Bor South	Bor Town	na	na	200	300	na	250	250	200	1,200	na	117	600	1,700	138	4,500	6,000	8,000	na	450	232	42,500	na	na
	Bor PoC	na	na	563	450	698	665	538	339	400	na	133	na	1,500	400	na	na	na	na	200	174	na	na	na
Fangak	New Fangak	521	583	1,408	958	na	na	815	475	2,000	na	267	na	na	na	na	na	na	na	600	87	na	na	na
Pibor	Pibor Town	250	na	1,000	1,000	na	na	na	na	na	na	184	na	1,500	350	na	na	10,000	2,750	225	207	25,000	2,500	263
Lakes																								
Awerial	Mingkaman	510	na	750	700	454	750	600	600	1,200	na	167	500	2,000	500	6,000	5,000	10,000	na	na	na	30,000	5,000	72
Cueibet	Cueibet Town	500	500	na	800	300	na	500	300	1,600	na	159	1,500	2,750	na	6,250	6,750	7,250	1,325	700	94	22,500	3,100	150
Northern Bahr el Ghazal																								
Aweil Centre	Aweil Town	242	227	650	800	416	1,000	625	255	1,400	na	125	1,500	700	150	12,000	4,000	6,250	1,100	500	164	12,750	3,250	60
Aweil East	Malulkon	257	324	381	600	1,107	1,202	550	212	884	na	142	200	725	500	2,750	4,000	8,000	500	550	na	17,500	2,000	229
	Wanyjok	227	na	400	525	246	500	600	294	600	na	117	1,000	na	500	na	5,000	7,000	550	600	83	30,000	2,750	29
	Warawar	235	na	600	650	1,324	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Aweil North	Ariath	204	na	600	700	189	na	600	450	467	na	133	na	1,000	120	na	5,000	7,500	500	500	83	9,500	1,900	na
	Gok-Machar	281	na	572	810	473	1,000	500	407	1,500	na	100	2,000	1,100	225	na	3,500	na	1,650	100	249	24,000	2,300	43
Aweil West	Marial Baai	238	na	575	775	265	1,000	550	334	1,250	na	133	na	850	na	na	na	na	1,000	120	207	na	na	32
	Nyamlel Town	240	194	625	625	237	1,000	575	271	1,200	na	150	na	na	150	na	na	7,750	800	120	86	9,000	1,750	43
Unity																								
Panyijiar	Nyal	na	600	300	300	na	600	200	700	2,000	na	200	550	2,500	500	na	5,000	8,000	1,750	na	121	na	na	na
Pariang	Ajuong Thok RC	125	na	600	1,000	na	600	600	525	533	na	167	na	2,500	300	4,000	na	21,000	na	na	59	na	na	43
	Jamjang	na	600	700	1,200	na	600	650	600	484	na	167	na	na	300	na	na	18,000	na	na	58	2,500	3,000	43
	Pamir RC	125	na	600	1,200	na	600	625	600	400	na	150	na	na	300	na	na	na	na	na	58	na	na	43
Rubkona	Bentiu	358	323	1,127	1,194	629	1,441	968	475	1,850	na	100	1,400	2,350	375	18,000	8,000	20,000	3,600	750	58	24,500	3,750	200
	Bentiu PoC	340	340	458	458	359	301	394	600	1,200	na	na	na	na	na	na	na	na	1,500	150	121	na	na	na
	Rubkona Town	347	340	1,155	1,126	601	1,552	860	434	1,700	na	167	1,550	2,100	300	12,500	6,000	7,750	2,500	700	58	25,000	3,000	205
Western Bahr el Ghazal																								
Raja	Deim Zubeir	272	na	na	na	189	na	600	900	1,200	na	167	na	na	na	na	na	na	na	na	na	na	na	43
	Raja Town	191	162	363	na	na	210	600	600	1,000	na	200	2,250	1,500	375	na	2,500	5,650	200	500	124	17,500	na	72
Wau	Wau	250	250	575	600	175	250	525	200	1,000	na	167	1,000	2,000	390	8,000	7,500	9,250	800	500	208	24,000	2,250	50
Western Equatoria																								
Maridi	Maridi	151	167	1,690	721	936	1,109	645	407	1,000	na	142	800	3,650	200	3,900	7,000	7,500	1,000	600	116	20,000	2,650	23
Yambio	Yambio	na	259	582	563	279	600	465	300	333	na	100	1,300	na	225	na	4,750	6,000	1,000	1,500	103	na	4,000	57
Overall median		257	323	582	700	454	700	600	407	1,000	150	150	1,000	1,700	300	5,250	5,000	8,000	1,000	500	116	23,250	2,750	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	10	na	14	14	14	14	5	60	na	3	na	na	na	na	na	14
	Juba Town	21	21	21	35	21	33	29	35	25	26	28	60	30	60	26	60	3	3	7
Eastern Equatoria																				
Kapoeta East	Narus	30	30	14	21	28	21	14	21	14	14	30	21	45	30	60	30	4	4	3
Magwi	Nimule	7	14	7	7	7	7	14	14	7	5	7	14	4	14	18	18	1	3	na
Jonglei																				
Akobo	Akobo Town	60	na	28	28	na	28	28	60	28	44	na	30	44	22	60	11	na	14	14
BorSouth	Bor Town	na	na	60	60	na	90	60	60	60	60	90	90	90	60	120	90	na	7	2
	Bor PoC	na	na	26	14	14	14	14	22	14	21	na	90	3	na	na	na	na	1	1
Fangak	New Fangak	26	30	14	26	na	na	45	30	30	30	na	na	na	na	na	na	12	12	17
Pibor	Pibor Town	14	na	10	21	na	na	na	na	na	10	na	35	14	na	na	4	4	na	2
Lakes																				
Awerial	Mingkaman	30	na	30	30	30	30	30	30	30	30	14	30	30	30	30	30	6	6	6
Cueibet	Cueibet Town	30	30	na	45	30	na	45	45	60	45	60	60	75	45	30	45	2	2	2
Northern Bahr el Ghazal																				
Aweil Centre	Aweil Town	51	14	45	29	33	37	135	150	30	150	29	51	90	90	105	90	na	na	na
Aweil East	Malualkon	14	5	7	7	7	10	5	11	11	21	150	150	90	150	120	81	2	5	3
	Wanyjok	14	na	14	21	14	21	60	21	21	14	60	na	60	na	90	21	na	8	7
	Warawar	11	na	14	10	7	na	na	na	na	na	na	na	na	na	na	na	na	8	na
Aweil North	Ariath	12	na	28	2	2	na	26	28	2	45	na	7	14	na	2	60	na	14	1
	Gok-Machar	41	na	14	29	18	21	11	18	18	14	21	21	14	na	21	na	3	7	9
Aweil West	Marial Baai	21	na	21	52	21	21	105	21	44	56	na	120	na	na	na	na	na	5	15
	Nyamlet Town	21	18	25	21	52	21	105	21	25	21	na	na	21	na	na	18	1	7	1
Unity																				
Panyijiar	Nyal	60	na	30	14	na	30	7	30	2	22	30	21	14	na	30	30	na	8	30
Pariang	Ajuong Thok RC	21	na	29	45	na	21	60	30	33	33	na	45	36	28	na	28	na	28	5
	Jamjang	na	na	21	30	na	24	33	60	28	30	na	na	33	na	na	22	na	na	2
	Pamir RC	20	na	32	45	na	33	30	45	25	9	na	na	30	na	na	na	3	na	na
Rubkona	Bentiu	25	21	21	21	25	25	25	18	21	21	21	14	21	21	28	14	2	8	7
	Bentiu PoC	45	21	14	21	14	76	11	60	14	na	na	na	na	na	na	na	3	3	na
	Rubkona Town	21	21	21	25	25	28	25	14	21	18	25	14	21	25	25	7	2	6	8
Western Bahr el Ghazal																				
Raja	Deim Zubeir	90	na	na	na	180	na	180	150	90	30	na	na	na	na	na	na	na	na	2
	Raja Town	20	60	22	na	na	14	42	28	21	21	25	60	42	na	42	120	2	8	3
Wau	Wau	11	11	14	14	14	14	14	14	14	14	14	14	14	14	14	14	na	28	29
Western Equatoria																				
Maridi	Maridi	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	7	na
Yambio	Yambio	na	2	16	14	2	10	5	2	2	2	2	na	1	na	1	na	na	15	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 (2021, June 1). Retrieved from [www.bankofsouthsudan.org](http://www.bankofsouthsudan.org). The rates from 1 of June were used for the calculation of the monthly change.

JMMI OUTPUTS

Factsheets      Datasets

2021

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

<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.