SOUTH SUDAN JOINT MARKET MONITORING INITIATIVE (JMMI)

1–7 December 2020

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).

21 participating agencies§

40 assessed locations†

57 assessed marketplaces

863 key informants

21 assessed commodities

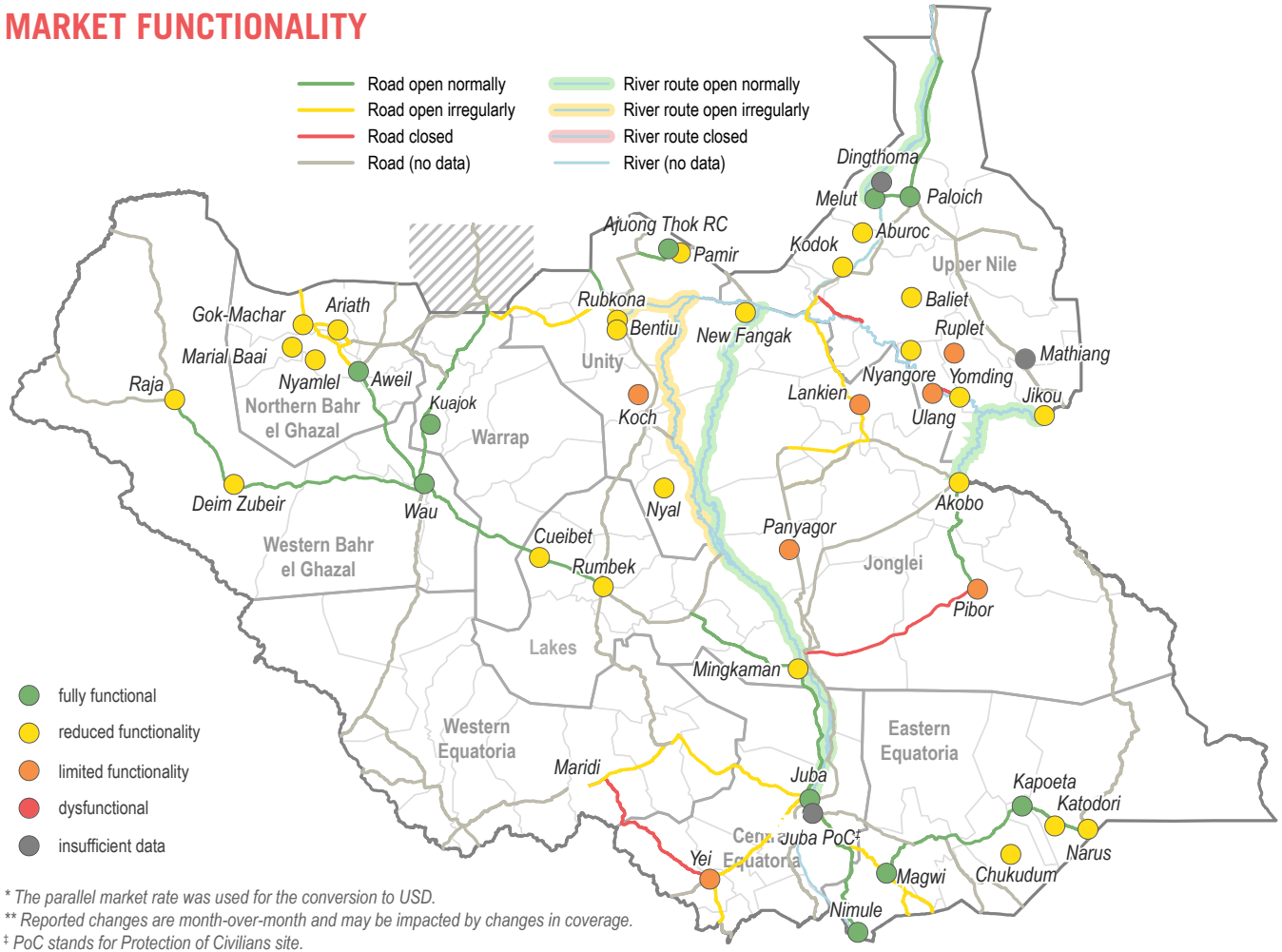
Cost of MSSMEB[1]
55,456 SSP
95.2 USD*
▲2,314 SSP +4%

Cost of food basket[2]
37,997 SSP
65.23 USD*
▲330 SSP +1%

USD/SSP (parallel market)[3]
583
▲75 SSP +15%

USD/SSP (official)[4]
177
▲.04 SSP +1%

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

PARTICIPATING AGENCIES

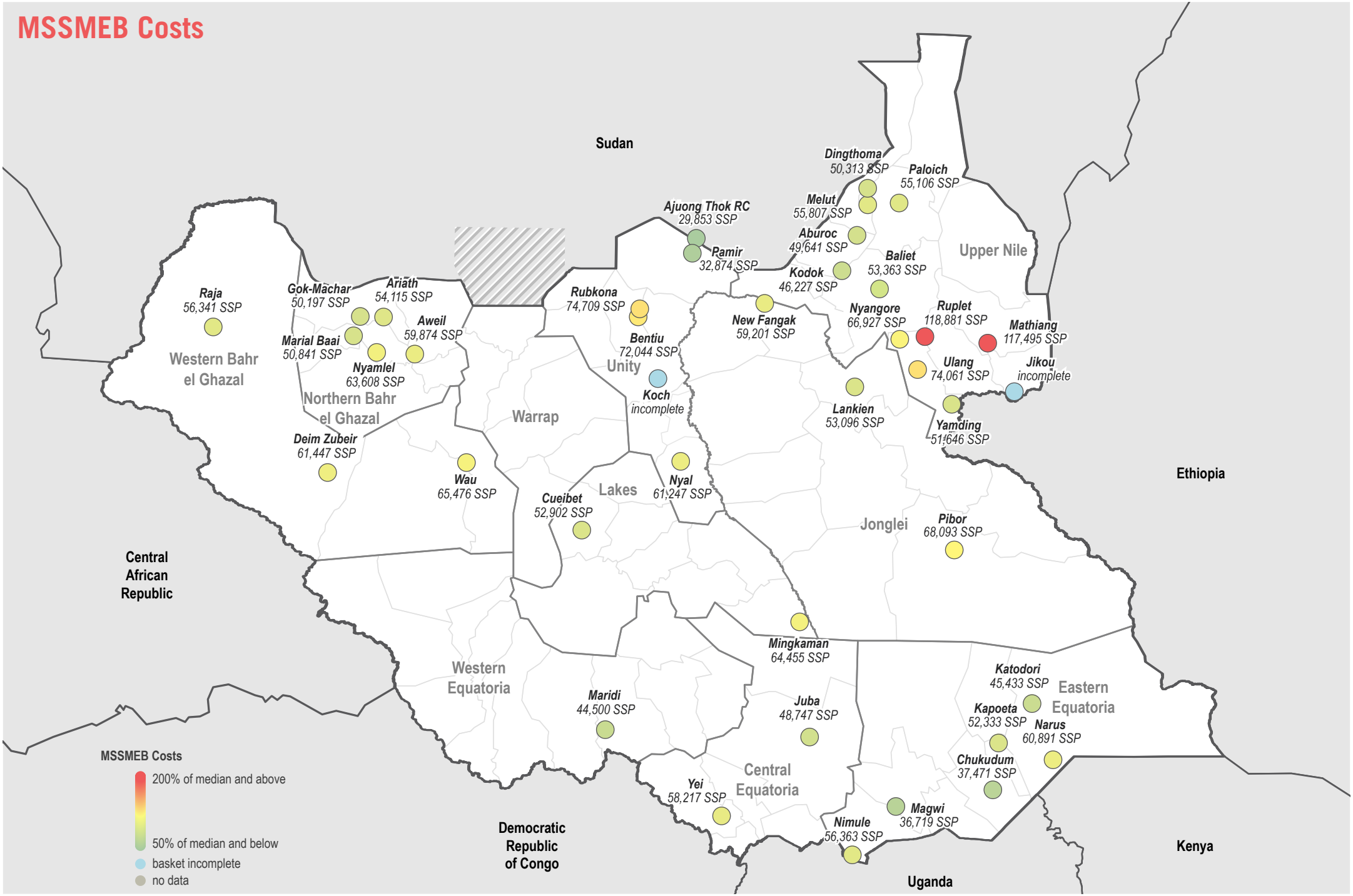
ACTED
CAFOD-Trócaire
CARE
Caritas
Church & Development
Concern
Cordaid
DCA
DRC
ICPDO
GOAL
HARD
IOM
Malteser Int.
IRC
Nile Hope
NRDC
Oxfam
Plan
REACH
Save the Children
Solidarités
SPEDP
Tearfund
UNHCR
UNICEF
UNKEA
Welthungerhilfe
Windle Trust Int.
World Vision

REACH Informing more effective humanitarian action

WFP World Food Programme wfp.org

INTER-AGENCY CWG CASH WORKING GROUP REPUBLIC OF SOUTH SUDAN

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
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.*

*** Traditional piece of garment*

Cost of median MSSMEB (key items)

55,456 SSP

95.2 USD (at parallel market rate)

313.54 USD (at official rate)

Change since Nov 2020

▲ 2, 314 SSP +4%

Change since Nov 2019

▲ 3, 670 SSP +11%

MSSMEB PER LOCATION

County	Location	MSSMEB key items in SSP	Change since Nov 2020	Change since Dec 2019	MSSMEB key items in USD†
Central Equatoria					
Juba	**Juba Town**	48,747	▼ 22%	▲ 87%	81.93
Yei	**Yei Town**	58,217	▲ 12%	*na*	99.94
Eastern Equatoria					
Budi	**Chukudum**	37,471	*na*	*na*	73.47
Kapoeta East	**Katodori**	45,433	▼ 49%	*na*	74.48
	Narus	60,891	▲ 14%	*na*	101.48
Kapoeta South	**Kapoeta Town**	52,333	▲ 14%	▲ 62%	82.41
Magwi	**Magwi Town**	36,719	▲ 1%	*na*	61.71
	Nimule	56,363	▲ 4%	▲ 87%	93.94
Jonglei					
Fangak	**New Fangak**	59,201	▲ 18%	*na*	116.08
Nyirol	**Lankien**	53,096	▲ 15%	*na*	92.74
Pibor	**Pibor town**	68,093	*na*	▲ 202%	127.28
Lakes					
Awerial	**Mingkaman**	64,455	▲ 15%	▲ 34%	109.25
Cueibet	**Cueibet Town**	52,902	*na*	*na*	78.37
Northern Bahr el Ghazal					
Aweil Centre	**Aweil Town**	59,874	▲ 9%	*na*	97.75
Aweil North	**Ariath**	54,115	▲ 30%	*na*	92.90
	Gok-Machar	50,197	▲ 9%	▲ 17%	86.17
Aweil West	**Marial Baai**	50,841	▲ 19%	*na*	89.98
	Nyamlel Town	63,608	▲ 22%	*na*	111.11
Unity					
Koch	**Koch Town**	*na*	*na*	*na*	*na*
Panyijiar	**Nyal**	61,247	▼ 14%	▲ 40%	112.38
Pariang	**Ajuong Thok RC**	29,853	▼ 11%	▲ 32%	51.25
	Pamir RC	32,874	▲ 6%	▲ 18%	56.44
Rubkona	**Bentiu**	72,044	▲ 32%	▲ 76%	122.11
	Rubkona	74,709	▶ 0%	▲ 82%	128.26
Upper Nile					
Baliet	**Baliet Town**	53,363	*na*	*na*	91.61
Fashoda	**Aburoc**	49,641	▲ 43%	*na*	83.96
	Kodok	46,227	▼ 22%	*na*	78.85
Longochuk	**Mathiang**	117,495	▲ 68%	*na*	293.74
Maiwut	**Jikou** ‡	*na*	*na*	*na*	*na*
Melut	**Dingthoma IDP**	50,313	*na*	*na*	86.37
	Melut Town	55,807	▲ 5%	▲ 16%	102.40
	Paloich	55,106	▲ 6%	▲ 9%	94.20
Ulang	**Nyangore**	66,927	▲ 5%	*na*	167.32
	Ruplet	118,881	*na*	*na*	325.70
	Ulang Town	74,061	*na*	*na*	211.60
	Yomding	51,646	*na*	*na*	158.91
Western Bahr el Ghazal					
Raja	**Deim Zubeir**	61,447	▲ 17%	*na*	105.49
	Raja Town	56,341	▲ 8%	*na*	104.33
Wau	**Wau**	65,476	▲ 18%	▲ 93%	109.58
Western Equatoria					
Maridi	**Maridi**	44,500	▲ 1%	▲ 96%	76.72
Overall		55,456	▲ 4%	▲ 71%	95.20

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

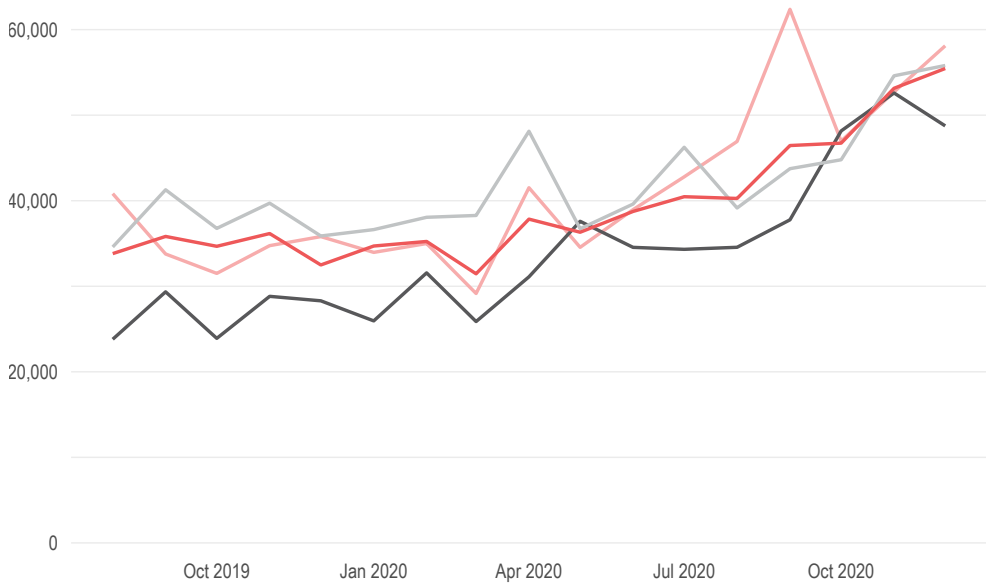
‡ *The food basket was incomplete, or no SSP conversion rate was available. The MSSMEB index is therefore incomplete in Jikou.*

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

ʃ *No sorghum nor maize prices were available. The cereal prices for October were inputted for Yei Town.*

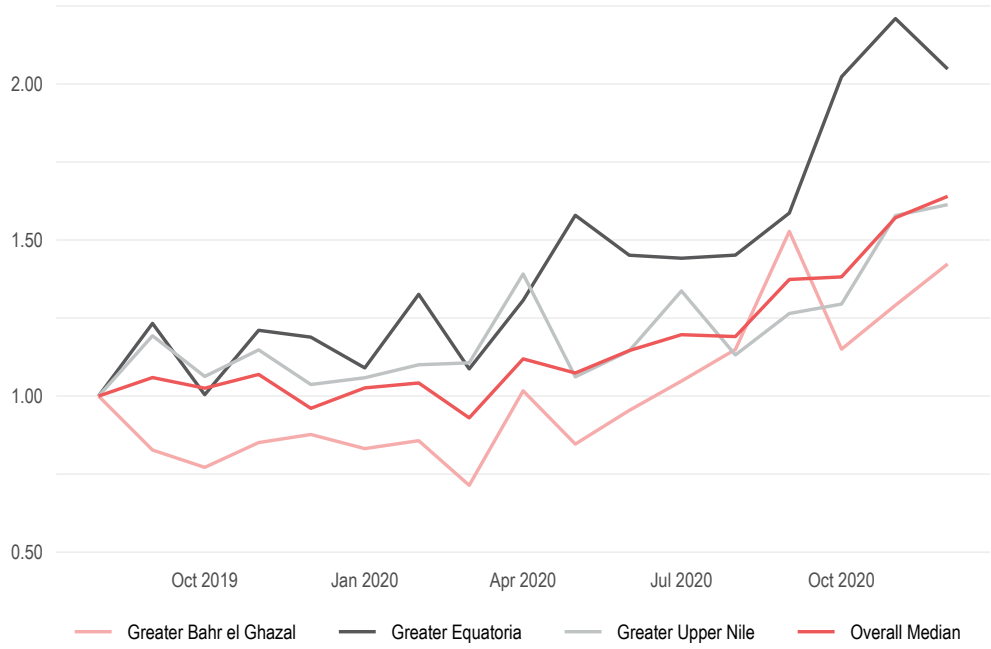
MSSMEB OVER TIME[5]

in SSP

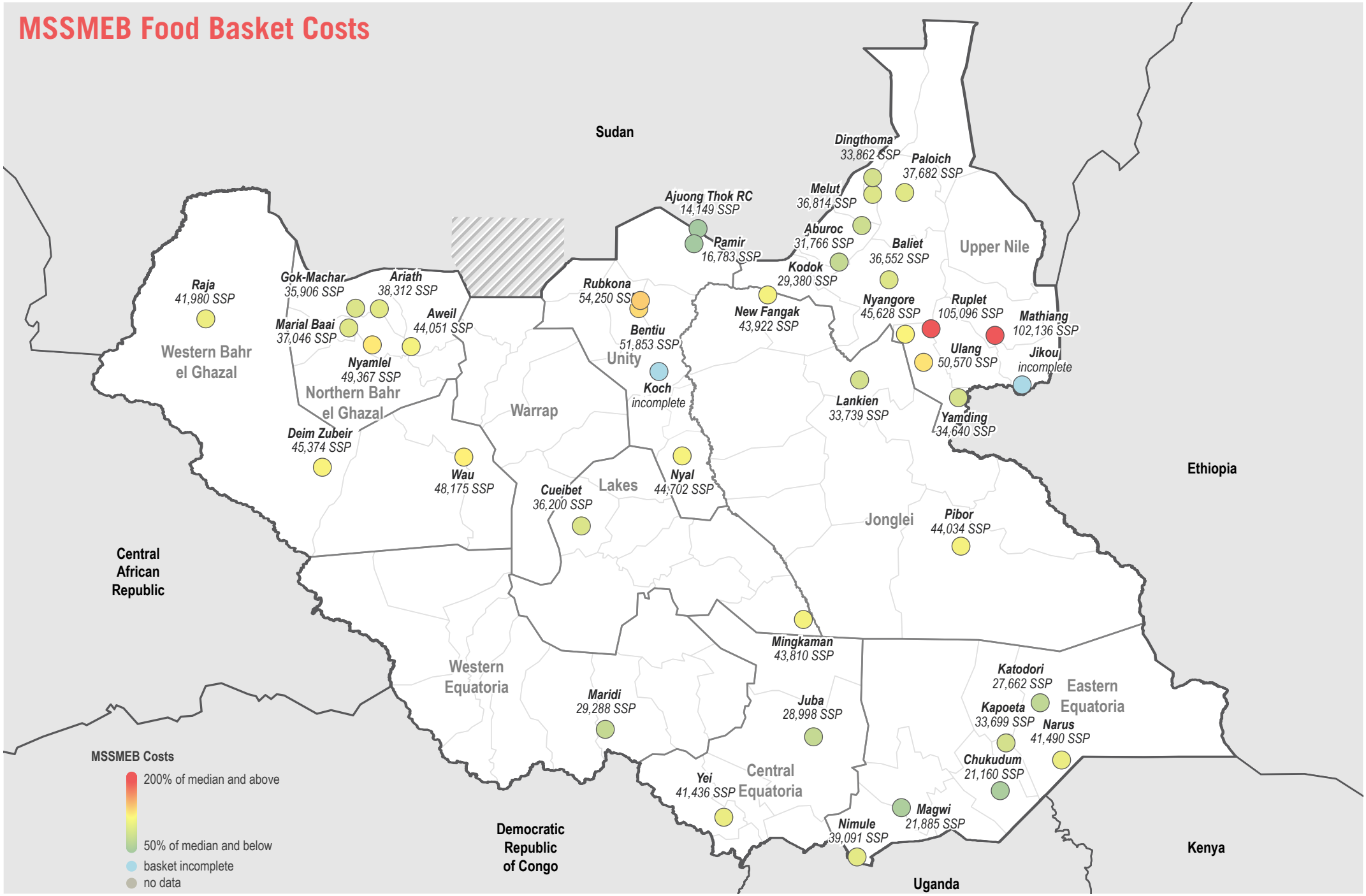


MSSMEB OVER TIME[5]

Indexed to August 2019 = 1.00[6]



MSSMEB Food Basket Costs



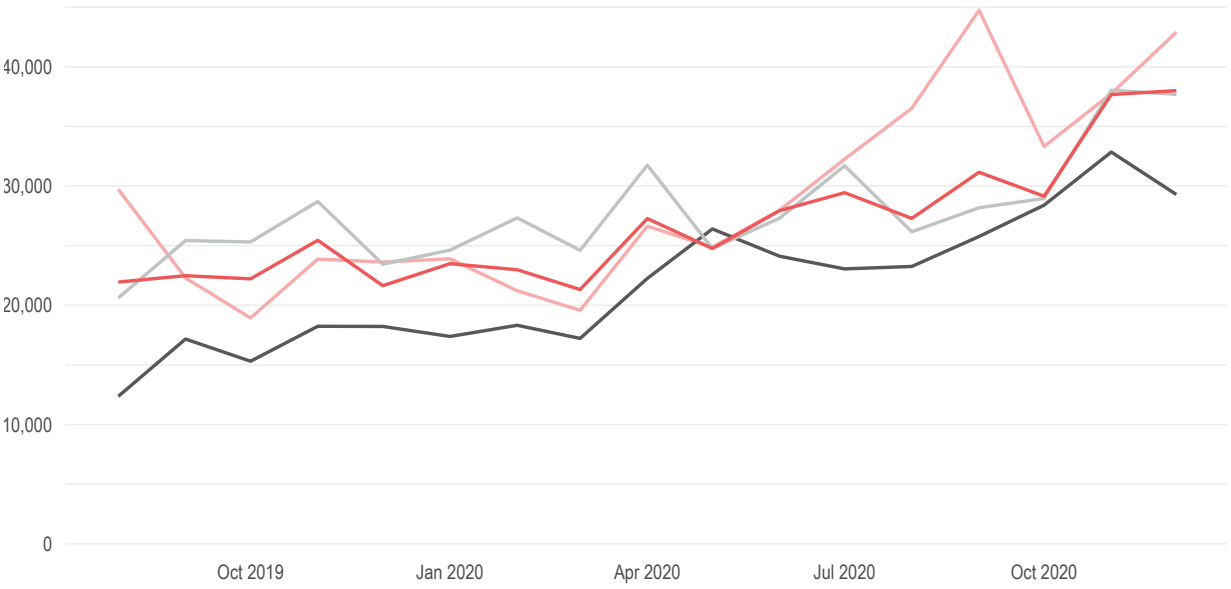
INDICES PER LOCATION

County	Location	MSSMEB food basket in SSP	Change since Nov 2020	Change since Dec 2019	Food price index* in SSP	Change since Nov 2020	Change since Dec 2019
Central Equatoria							
Juba	**Juba Town**	28,998	▼ 33%	▲ 64%	4,408	▼ 7%	▲ 98%
Yei	**Yei Town**	41,436	▲ 15%	*na*	5,496	▲ 27%	*na*
Eastern Equatoria							
Budi	**Chukudum**	21,160	*na*	*na*	4,104	*na*	*na*
Kapoeta East	**Katodori**	27,663	▼ 62%	*na*	4,879	▲ 7%	*na*
	Narus	41,490	▲ 27%	*na*	5,032	▲ 42%	*na*
Kapoeta South	**Kapoeta Town**	33,699	▲ 15%	▲ 79%	4,292	▼ 1%	▲ 61%
Magwi	**Magwi Town**	21,885	▶ 0%	*na*	4,623	▲ 10%	*na*
	Nimule	39,091	▲ 19%	▲ 81%	5,598	▼ 3%	▲ 79%
Jonglei							
Fangak	**Nwe Fangak**	43,923	▲ 23%	*na*	5,322	▲ 23%	▲ 10%
Nyirol	**Lankien**	33,739	▲ 22%	*na*	8,851	▲ 2%	▲ 49%
Pibor	**Pibor Town**	44,034	*na*	▲ 78%	5,609	*na*	▼ 4%
Lakes							
Awerial	**Mingkaman**	43,810	▲ 14%	▲ 68%	5,653	▲ 18%	▲ 88%
Cueibet	**Cueibet**	36,200	*na*	*na*	4,270	*na*	*na*
Northern Bahr el Ghazal							
Aweil Centre	**Aweil Town**	44,051	▲ 17%	*na*	5,588	▲ 15%	*na*
Aweil North	**Ariath**	38,312	▲ 43%	*na*	5,274	▲ 30%	*na*
	Gok-Machar	35,906	▲ 15%	▲ 7%	5,180	▲ 9%	▲ 100%
Aweil West	**Marial Baai**	37,046	▲ 21%	*na*	4,786	▼ 4%	*na*
	Nyamlel Town	49,367	▲ 31%	*na*	6,153	▲ 7%	*na*
Unity							
Koch	**Koch Town**	*na*	*na*	*na*	7,113	▲ 14%	*na*
Panyijiar	**Nyal**	44,702	▼ 19%	▲ 79%	5,551	▲ 13%	▲ 83%
Pariang	**AjuongThok RC**	14,149	▼ 28%	▲ 7%	4,175	▼ 4%	▲ 24%
	Pamir RC	16,783	▼ 1%	▼ 9%	4,367	▲ 8%	▲ 42%
Rubkona	**Bentiu**	51,853	▲ 37%	▲ 73%	7,072	▲ 3%	▲ 88%
	Rubkona Town	54,250	▼ 0%	▲ 77%	7,298	▲ 10%	▲ 75%
Upper Nile							
Fashoda	**Baliet**	36,552	*na*	*na*	5,585	*na*	*na*
Fashoda	**Aburoc**	31,767	▲ 55%	*na*	6,074	▲ 38%	*na*
	Kodok	29,380	▼ 29%	*na*	5,763	▲ 3%	*na*
Longochuk	**Mathiang**	102,136	▲ 86%	*na*	5,344	▲ 35%	*na*
Maiwut	**Jikou**	*na*	*na*	*na*	*na*	*na*	*na*
Melut	**Dingthoma IDP**	33,862	*na*	*na*	5,115	*na*	*na*
Melut	**Melut Town**	36,814	▼ 2%	▼ 5%	5,072	▲ 10%	▲ 21%
	Paloich	37,682	▲ 3%	▲ 2%	4,966	▲ 12%	▲ 26%
Ulang	**Nyangore**	45,629	▲ 8%	*na*	4,993	▲ 7%	*na*
	Ruplet	105,096	*na*	*na*	14,367	*na*	*na*
	Ulang Town	50,571	*na*	*na*	9,432	*na*	*na*
	Yomding	34,640	*na*	*na*	6,914	*na*	*na*
Western Bahr el Ghazal							
Raja	**Deim Zubeir**	45,374	▲ 17%	*na*	4,702	▲ 22%	*na*
	Raja Town	41,980	▲ 15%	*na*	4,975	▲ 11%	*na*
Wau	**Wau**	48,175	▲ 26%	▲ 128%	4,025	▲ 5%	▲ 49%
Western Equatoria							
Maridi	**Maridi**	29,288	▼ 1%	▲ 112%	6,233	▼ 7%	▲ 170%
Overall		37,997	▲ 1%	▲ 76%	5,322	▲ 14%	▲ 74%

*The food price index was calculated by adding up the median prices of one unit of each assessed food item. Where the median value is not available, the median price across all locations was used for the calculation of the index.

MSSMEB FOOD BASKET OVER TIME[5]

in SSP



FOOD PRICE INDEX OVER TIME[5]

in SSP

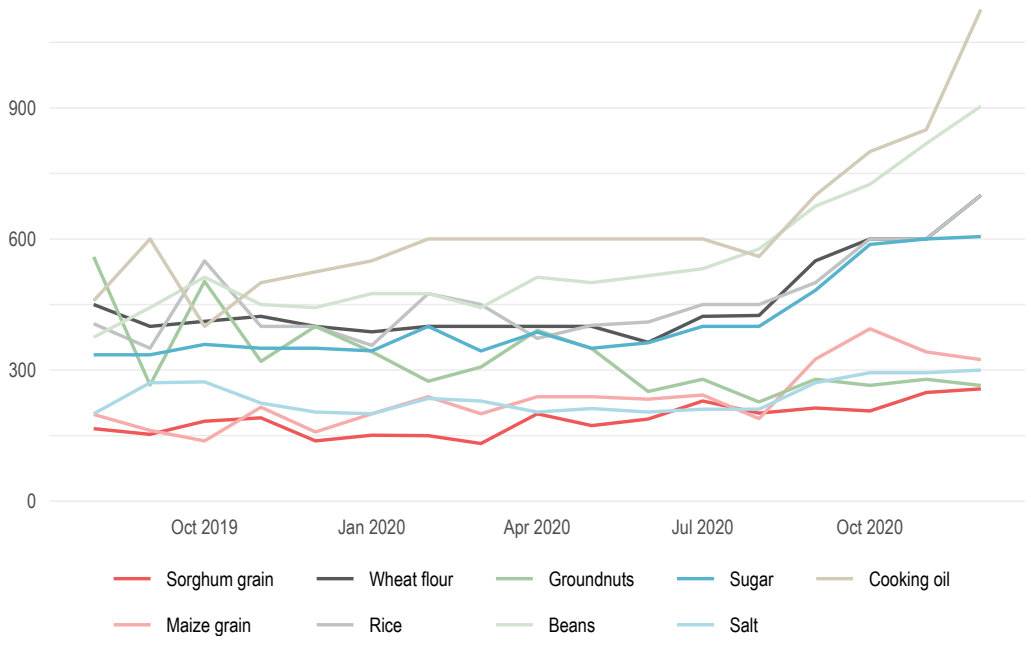
PRICES OF MONITORED ITEMS

Item	Unit	Median price in SSP	Change since Nov 2020	Change since Dec 2019	Median price in USD
Food Items					
Sorghum grain	1 kg	257	▲ 3%	▲ 86%	0.44
Maize grain	1 kg	324	▼ 5%	▲ 104%	0.56
Wheat flour	1 kg	700	▲ 17%	▲ 75%	1.20
Rice	1 kg	700	▲ 17%	▲ 75%	1.20
Groundnuts (shelled)	1 kg	265	▼ 5%	▼ 34%	0.45
Beans	1 kg	904	▲ 10%	▲ 104%	1.55
Sugar	1 kg	606	▲ 1%	▲ 73%	1.04
Salt	1 kg	300	▲ 2%	▲ 47%	0.52
Cooking oil	1 L	1,125	▲ 32%	▲ 114%	1.93
Water*	1 L	30	*na*	*na*	0.05
Non-Food Items					
Soap	200 g	167	▶ 0%	▲ 101%	0.29
Jerrycan	1 pc	675	▼ 2%	▲ 35%	1.16
Mosquito net	1 pc	2,000	▲ 29%	▲ 100%	3.43
Exercise book	1 pc	275	▲ 10%	▲ 69%	0.47
Blanket	1 pc	4,000	▼ 20%	▲ 29%	6.87
Cooking pot	1 pc	4,000	▲ 6%	▲ 33%	6.87
Plastic sheet	1 pc	7,000	▲ 4%	▲ 40%	12.02
Pole	1 pc	975	▼ 3%	▲ 50%	1.67
Firewood	1 bundle	400	▼ 16%	▲ 5%	0.69
Charcoal	1 kg	87	▼ 16%	▲ 28%	0.15
Livestock Items					
Goat	1 goat	12,000	▼ 9%	▲ 1%	20.60
Chicken	1 chicken	1,750	▲ 4%	▼ 1%	3.00
Services					
Milling costs	1 kg	43	▼ 9%	▲ 48%	0.07
Currencies					
US dollar	1 USD	583	▲ 15%	▲ 85%	
Sudanese pound	1 SDG	4.3	▲ 16%	▲ 3%	
Ethiopian biir	1 ETB	37.0	▲ 45%	▲ 348%	
Ugandan shilling	1 UGX	0.171	▲ 18%	▲ 92%	
Kenyan shilling	1 KES	6.000	▲ 46%	▲ 79%	

** Prices only collected for Juba Town*

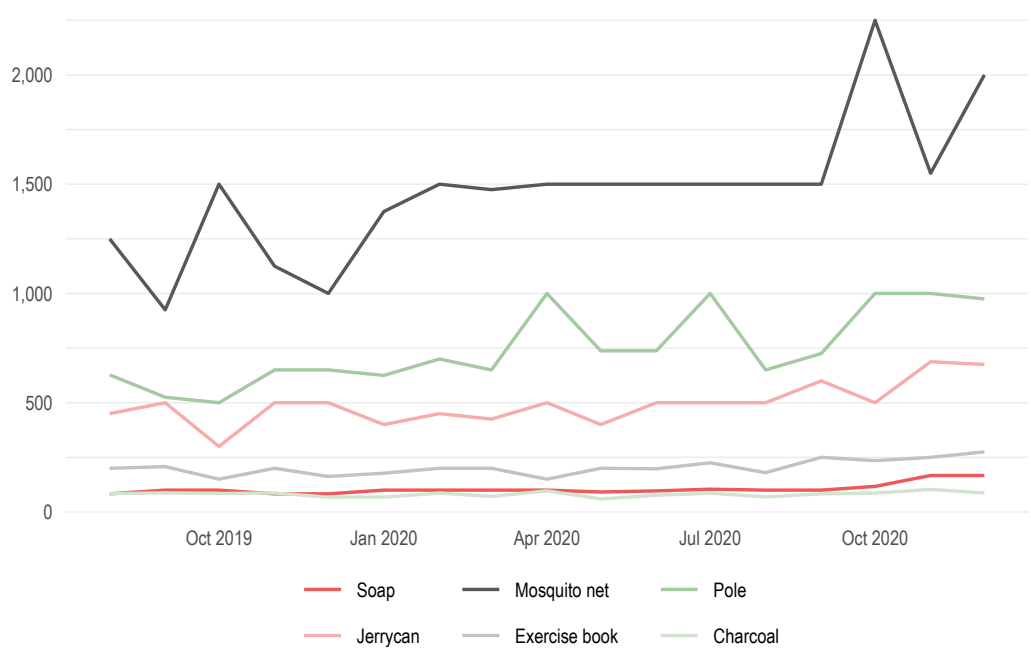
FOOD PRICES OVER TIME

in SSP



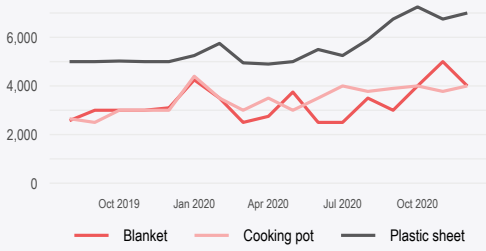
NFI PRICES OVER TIME

in SSP



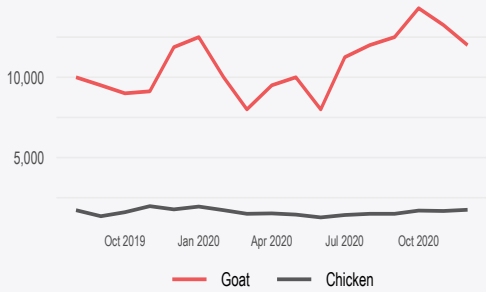
NFI PRICES OVER TIME CONT.

in SSP

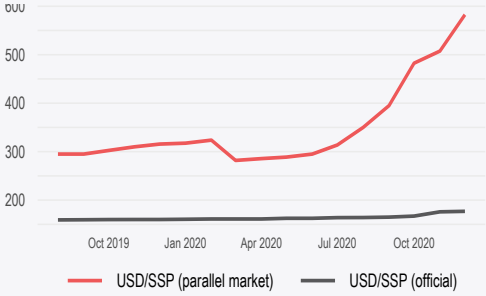


LIVESTOCK PRICES OVER TIME

in SSP

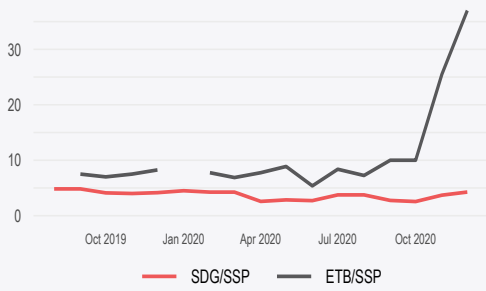


USD EXCHANGE RATE OVER TIME

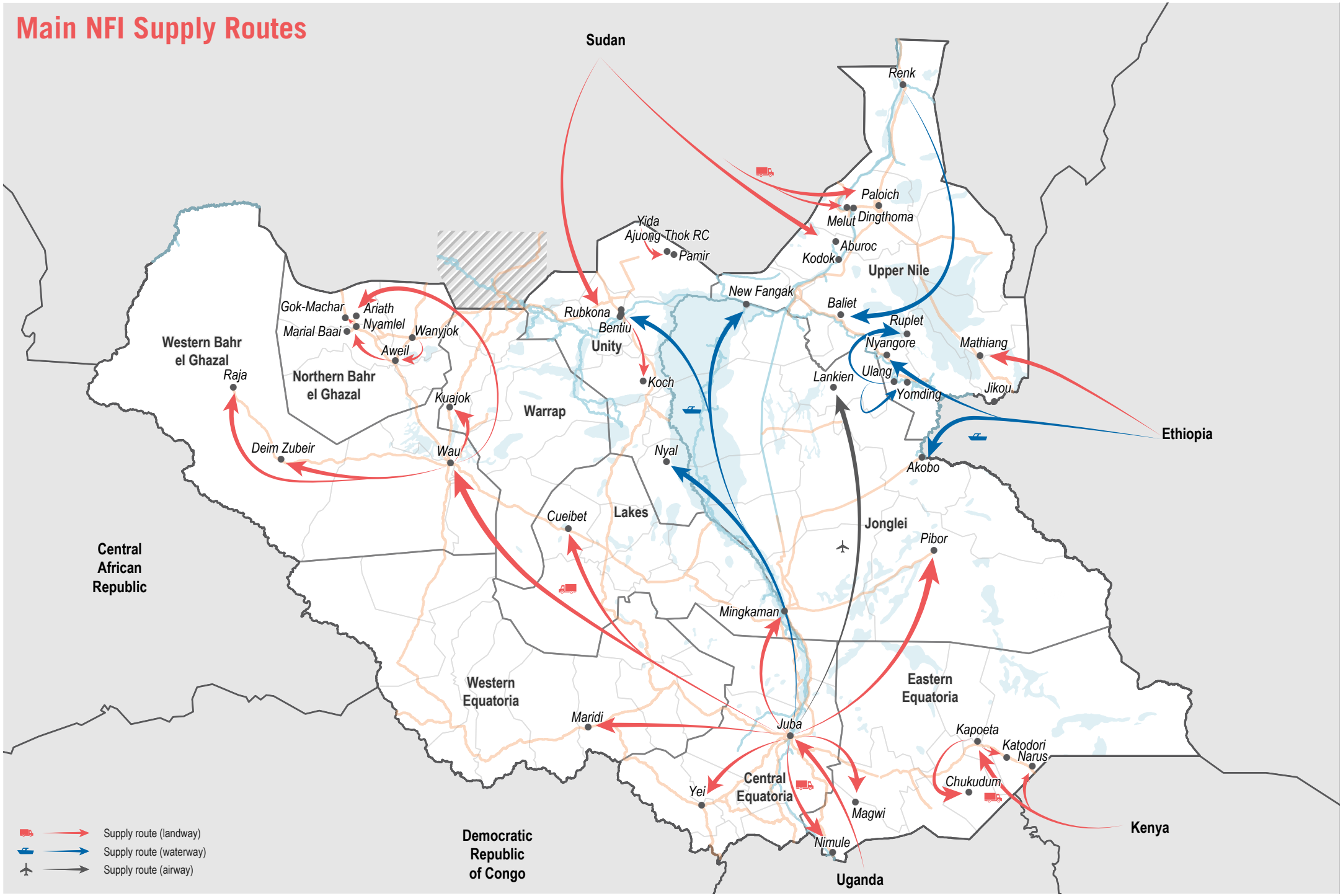


OTHER EXCHANGE RATES OVER TIME

(Parallel market rates)

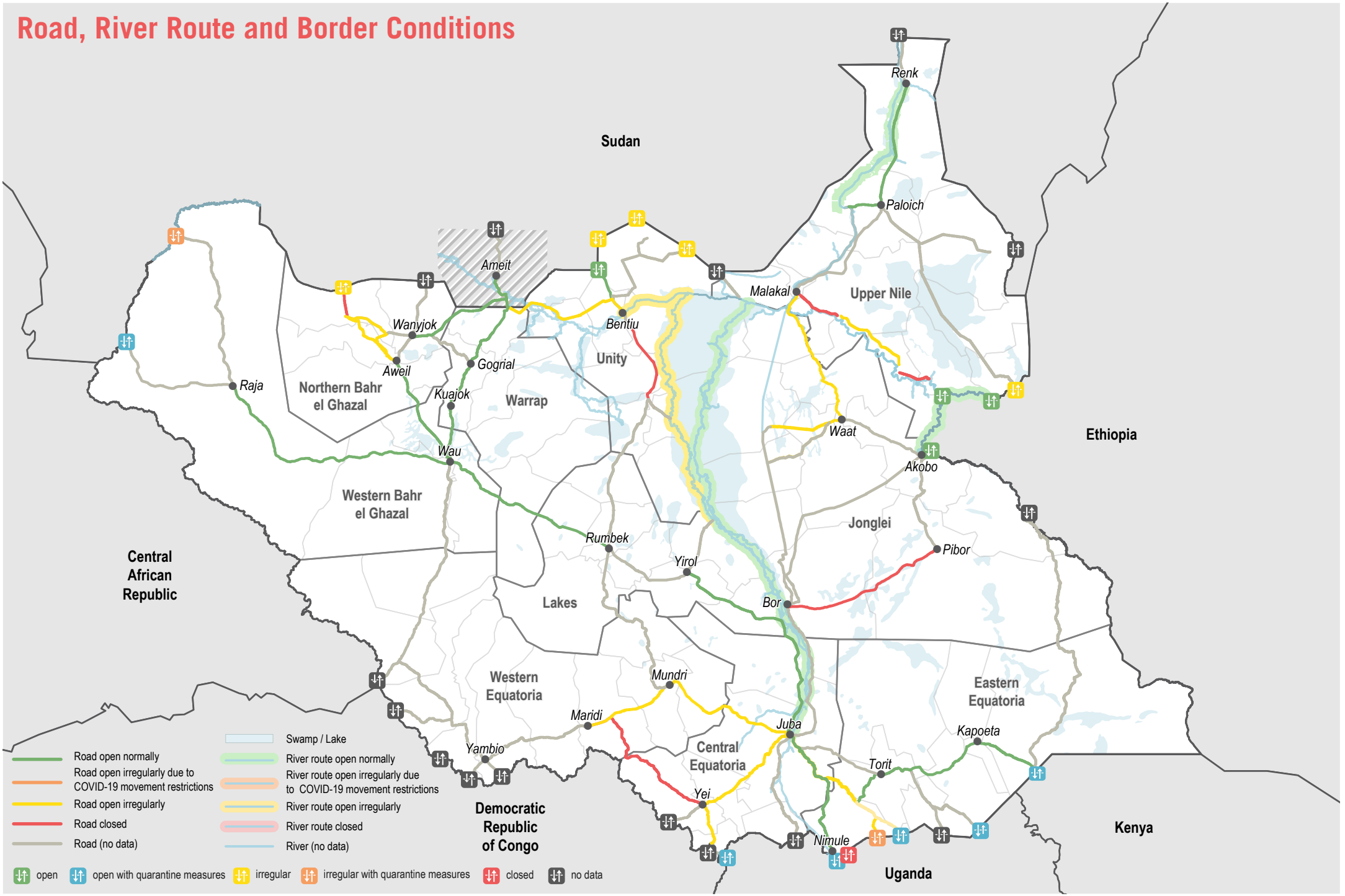


Main NFI Supply Routes



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.

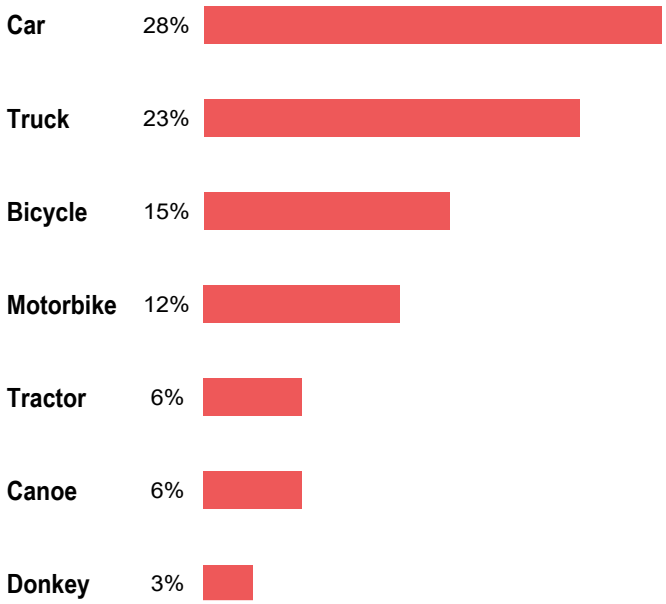
Road, River Route and Border Conditions



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



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

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

64% of **food traders** expect price increases

9% of **food traders** do not expect price changes

20% of **food traders** expect price decreases

7% of **food traders** do not have any price expectations

4 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

28% of staple cereal traders reported restocking from a local producer

55% of **non-food traders** expect price increases

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

17% of **non-food traders** expect price decreases

9% of **non-food traders** do not have any price expectations

Reported restocking constraints*

Poor road conditions	37%
Checkpoint costs	29%
No constraints	29%
High taxation in marketplace	21%
No mode of transport	16%
Insecurity along supply route	15%
Poor river conditions	14%
No access to foreign currency	14%
Lack of capital	14%
Border quarantine measures	12%
High fuel prices	12%
Lack of storage	9%
Insecurity in the marketplace	9%
Movement restrictions	9%
Lack of supplies	7%
Borders closed	4%

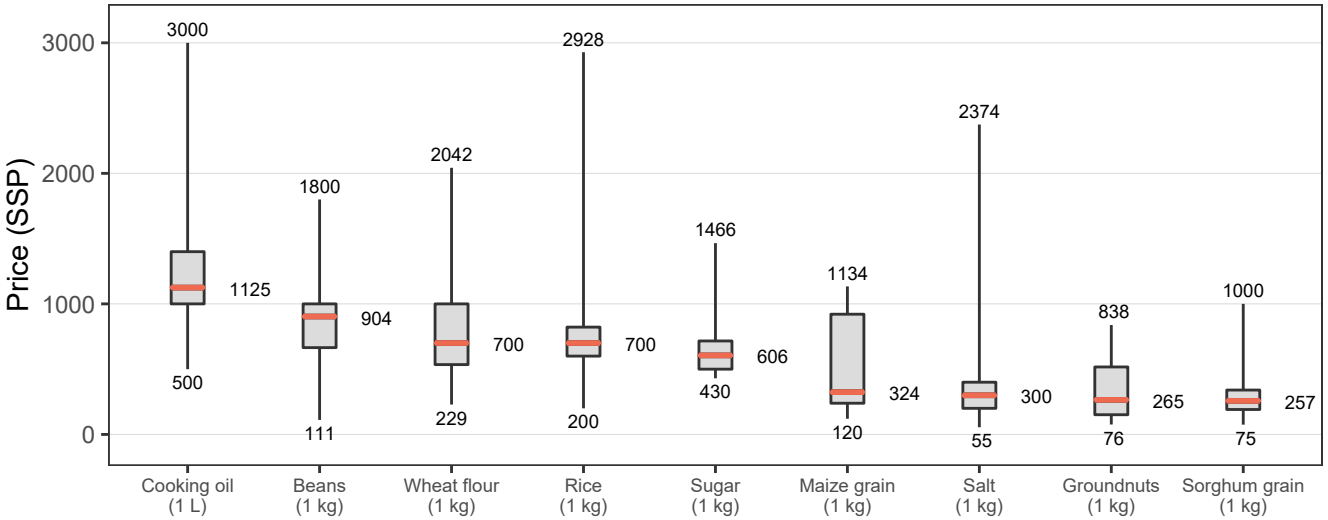
Accepted payment modalities*

Cash (SSP)	94%
Cash (USD)	12%
Credit	11%
Cash (other currency)	9%
Mobile money	0%
Bartering	0%

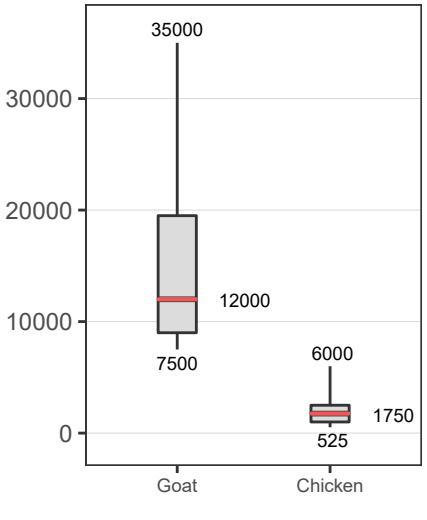
** Values do not add up to 100% as traders were allowed to select multiple options.*

Distribution of Prices

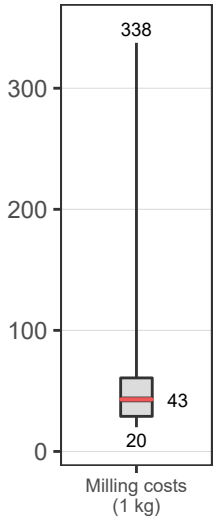
Food Items



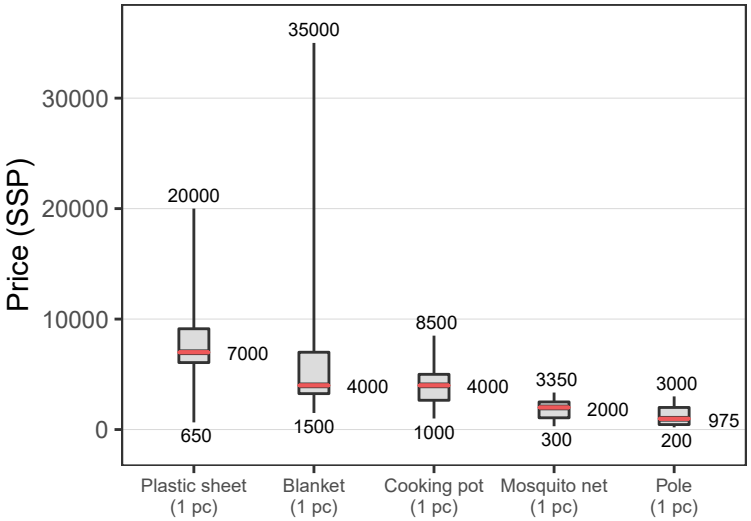
Livestock



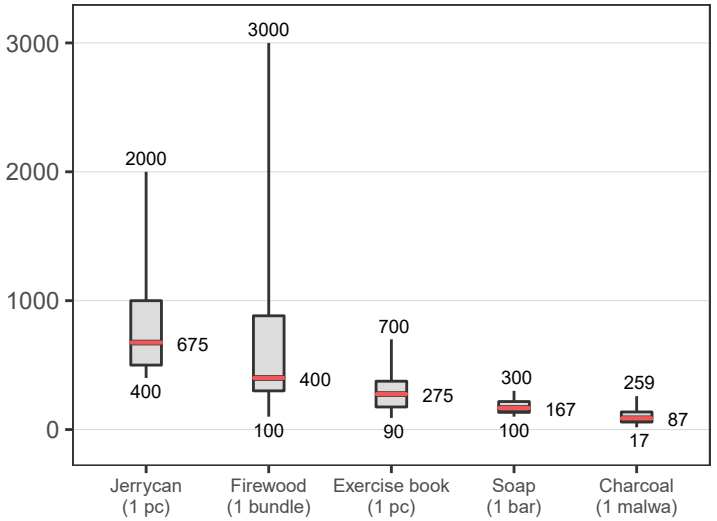
Services



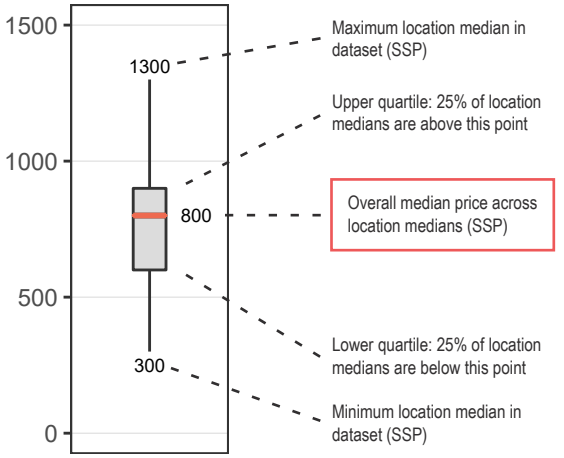
NFIs



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 Town**	200	200	400	700	675	700	500	300	733	30	100	500	2,500	300	3,250	2,800	6,000	2,000	800	174	23,000	6,000	25
Yei	**Yei Town**	*na*	*na*	916	563	*na*	887	592	543	1,150	*na*	100	650	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*
Eastern Equatoria																								
Budi	**Chukudum**	140	*na*	535	600	*na*	240	600	400	1,000	*na*	100	400	350	400	*na*	*na*	*na*	300	*na*	69	13,000	*na*	20
Kapoeta East	**Katodori**	134	*na*	500	676	*na*	*na*	*na*	271	1,200	*na*	167	*na*	*na*	*na*	5,000	5,000	18,000	*na*	*na*	*na*	*na*	*na*	57
	Narus	258	*na*	500	450	*na*	1,330	na	300	1,000	*na*	117	1,000	2,500	375	na	3,000	8,000	*1,500*	1,500	121	35,000	1,900	43
Kapoeta South	**Kapoeta Town**	224	239	450	600	*na*	665	645	204	1,000	*na*	150	1,000	2,500	300	4,000	4,000	20,000	1,000	1,500	103	35,000	3,000	29
Magwi	**Magwi Town**	126	120	845	563	559	665	645	300	800	*na*	100	500	1,250	90	2,000	2,500	5,500	200	300	87	*na*	*na*	50
	Nimule	251	239	500	450	838	887	500	400	1,533	*na*	142	775	2,000	200	3,500	2,000	5,500	400	1,000	116	*na*	*na*	40
Jonglei																								
Fangak	**New Fangak**	328	389	845	676	*na*	*na*	645	271	1,000	*na*	200	*na*	*na*	*na*	*na*	*na*	*na*	450	300	58	*na*	*na*	*na*
Nyirol	**Lankien**	160	154	2,043	1,521	*na*	1,330	1,466	814	1,100	*na*	167	*na*	*na*	*na*	*na*	*na*	*na*	850	400	155	10,000	na	79
Pibor	**Pibor**	350	*na*	1,000	*na*	*na*	*na*	1,000	400	667	*na*	na	500	1,000	500	na	na	10,000	2,500	375	169	9,000	2,500	338
Lakes																								
Awerial	**Mingkaman**	314	389	800	650	300	1,000	650	550	1,000	*na*	167	500	2,150	400	6,000	5,000	8,000	2,000	250	138	30,000	3,000	79
Cueibet	**Cueibet**	290	300	*na*	500	100	400	480	500	1,000	*na*	142	1,100	1,250	275	2,750	7,000	4,000	400	300	17	14,250	2,475	66
Northern Bahr el Ghazal																								
Aweil Centre	**Aweil Town**	257	259	500	1,000	151	1,500	500	221	1,200	*na*	100	700	300	100	*na*	6,000	650	650	500	103	14,000	3,000	61
Aweil North	**Ariath**	257	*na*	*na*	800	*na*	*na*	600	*na*	*na*	*na*	167	1,200	*na*	175	*na*	4,500	*na*	400	400	83	19,000	1,125	36
	Gok-Machar	212	*na*	625	700	151	*na*	570	294	1,400	*na*	200	1,000	*na*	100	*na*	*na*	*na*	500	200	58	7,500	1,500	29
Aweil West	**Marial Baai**	238	*na*	500	675	151	*na*	500	294	1,200	*na*	167	1,000	*na*	100	*na*	*na*	*na*	*na*	225	58	*na*	*na*	29
	Nyamlel Town	272	*na*	600	700	170	1,800	600	287	1,400	*na*	225	1,000	*na*	100	12,000	5,000	*na*	550	250	55	10,000	2,750	36
Unity																								
Koch	**Koch Town**	*na*	*na*	1,220	978	*na*	962	908	600	1,600	*na*	250	*na*	*na*	300	*na*	*na*	*na*	*na*	150	166	*na*	*na*	*na*
Panyijiar	**Nyal**	328	*na*	1,500	200	*na*	*na*	*na*	*na*	*na*	*na*	167	*na*	3,250	na	*na*	*na*	na	2,000	2,100	*na*	*na*	*na*	*na*
Pariang	**Ajuong Thok RC**	75	*na*	600	800	265	111	600	400	1,000	*na*	133	500	*na*	300	1,500	*na*	7,000	*na*	*na*	39	*na*	*na*	29
	Pamir RC	92	*na*	600	800	279	222	500	550	1,000	*na*	100	*na*	*na*	300	*na*	*na*	na	*na*	*na*	58	*na*	*na*	29
Rubkona	**Bentiu**	403	921	1,042	822	601	887	796	400	1,200	*na*	217	2,000	2,500	400	34,000	8,000	9,500	2,500	3,000	121	20,000	2,300	50
	Rubkona Town	423	945	1,070	845	628	920	817	400	1,250	*na*	233	2,000	2,500	400	35,000	8,500	10,000	3,000	3,000	131	20,000	2,500	50
Upper Nile																								
Baliet	**Baliet Town**	218	*na*	700	650	*na*	*na*	725	400	1,400	*na*	200	400	*na*	300	*na*	1,000	*na*	*na*	*na*	58	9,000	1,000	*na*
Fashoda	**Aburoc**	102	*na*	600	800	*na*	*na*	625	55	2,400	*na*	250	525	2,300	*na*	*na*	2,300	*na*	375	400	87	*na*	*na*	50
	Kodok	102	*na*	625	800	*na*	*na*	675	69	2,000	*na*	125	500	2,500	250	*na*	2,500	12,000	*na*	450	87	7,500	700	61
Longochuk	**Mathiang**	1,000	1,000	563	450	*na*	1,000	430	136	500	*na*	300	500	2,000	*na*	*na*	*na*	*na*	750	200	103	*na*	*na*	*na*
Maiwut	**Jikou***	188	39	99	*na*	*na*	*na*	*na*	*27*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*45*	*100*	*7*	*1,250*	*200*	*na*
Melut	**Dingthoma**	191	na	229	1,200	227	*na*	500	140	1,400	*na*	200	500	na	200	*na*	3,500	*na*	*na*	100	86	*na*	*na*	*na*
	Melut Town	272	na	700	1,200	265	*na*	540	200	667	*na*	250	400	2,000	250	7,000	4,000	7,000	1,000	500	166	12,000	1,500	29
	Paloich	272	na	700	1,000	303	1,000	500	200	667	*na*	250	400	2,000	250	7,000	4,000	7,000	1,000	500	na	15,000	1,500	43
Ulang	**Nyangore**	340	324	763	413	*na*	*na*	713	147	*na*	*na*	150	*na*	1,000	500	*na*	5,000	*na*	1,000	400	241	8,000	900	*na*
	Ruplet	851	1,134	1,690	2,928	*na*	*na*	1,222	2,374	3,000	*na*	217	*na*	2,000	*na*	*na*	*na*	6,500	2,500	*na*	*na*	10,500	625	*na*
	Ulang Town	340	na	1,268	1,577	*na*	*na*	916	2,239	1,600	*na*	167	*na*	1,500	700	2,000	*na*	5,500	2,500	1,000	259	9,500	1,000	*na*
	Yomding	218	972	1,549	*na*	*na*	*na*	1,044	138	*na*	*na*	184	*na*	1,000	*na*	*na*	*na*	7,000	975	965	186	9,000	525	175
Western Bahr el Ghazal																								
Raja	**Deim Zubeir**	346	*na*	650	700	76	*na*	600	102	1,000	*na*	267	1,000	800	*na*	*na*	*na*	*na*	*na*	*na*	34	*na*	*na*	29
	Raja Town	340	*na*	845	788	95	301	611	271	1,400	*na*	267	1,500	500	150	4,000	2,500	7,000	na	425	47	*na*	*na*	43
Wau	**Wau**	400	400	475	500	100	1,000	475	175	500	*na*	134	1,000	1,500	260	4,750	3,750	6,250	450	300	87	8,000	1,750	72
Western Equatoria																								
Maridi	**Maridi**	126	138	1,549	721	503	1,087	645	339	*na*	*na*	109	*na*	3,350	160	3,700	7,900	7,500	*na*	300	87	*na*	*na*	20
Overall median		257	324	700	700	265	904	606	300	1,125	30	167	675	2,000	275	4,000	4,000	7,000	975	400	87	12,000	1,750	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 Town**	42	60	42	21	90	35	60	35	35	25	42	42	39	55	60	46	3	4	5
Yei	**Yei Town**	*na*	*na*	14	21	*na*	19	22	18	18	18	18	*na*	*na*	*na*	*na*	*na*	*na*	4	4
Eastern Equatoria																				
Budi	**Chukudum**	150	*na*	56	30	*na*	21	30	29	26	90	14	90	330	*na*	21	21	*na*	8	6
Kapoeta East	**Katodori**	30	*na*	14	14	*na*	*na*	*na*	30	21	14	*na*	*na*	*na*	60	60	21	*na*	4	5
	Narus	14	*na*	46	26	*na*	30	*na*	14	14	22	28	14	37	na	90	21	*na*	*na*	1
Kapoeta South	**Kapoeta Town**	30	26	14	17	*na*	18	18	30	14	18	30	45	60	60	30	30	*na*	4	4
Magwi	**Magwi Town**	90	21	14	18	36	25	26	42	21	21	120	75	120	75	150	26	*na*	3	2
	Nimule	22	30	25	21	21	14	30	44	26	14	14	41	105	41	90	60	*na*	5	2
Jonglei																				
Fangak	**New Fangak**	21	14	14	21	*na*	*na*	21	26	11	18	*na*	*na*	*na*	*na*	*na*	*na*	*na*	6	6
Nyirol	**Lankien**	26	18	18	30	*na*	26	30	26	26	30	*na*	*na*	*na*	*na*	*na*	*na*	30	*na*	30
Pibor	**Pibor Town**	1	*na*	1	*na*	*na*	*na*	1	2	1	2	1	2	3	*na*	*na*	1	*na*	*na*	2
Lakes																				
Awerial	**Mingkaman**	30	30	30	30	14	30	45	45	30	30	7	30	30	30	30	30	*na*	*na*	*na*
Cueibet	**Cueibet Town**	30	30	na	30	30	30	30	30	30	30	30	30	60	60	30	45	1	1	12
Northern Bahr el Ghazal																				
Aweil Centre	**Aweil Town**	25	5	45	32	11	39	26	60	21	75	29	49	105	*na*	165	60	*na*	*na*	*na*
Aweil North	**Ariath**	3	*na*	na	4	*na*	*na*	14	*na*	na	75	75	*na*	60	*na*	90	*na*	*na*	*na*	1
	Gok-Machar	14	*na*	14	18	11	*na*	21	60	14	60	7	*na*	30	*na*	*na*	*na*	*na*	*na*	*na*
Aweil West	**Marial Baai**	7	*na*	14	6	21	*na*	25	29	11	14	14	*na*	14	*na*	*na*	*na*	*na*	*na*	*na*
	Nyamlel Town	18	*na*	33	26	11	40	51	45	11	55	28	*na*	45	32	30	*na*	*na*	*na*	*na*
Unity			*na*																	
Koch	**Koch Town**	*na*	*na*	21	60	*na*	19	22	14	18	18	*na*	*na*	21	*na*	*na*	*na*	*na*	6	5
Panyijiar	**Nyal**	60	*na*	60	60	*na*	*na*	*na*	*na*	*na*	30	na	60	na	*na*	*na*	*na*	*na*	4	6
Pariang	**Ajuong Thok RC**	30	*na*	35	45	30	30	36	51	35	30	60	*na*	30	30	*na*	49	*na*	21	13
	Pamir RC	120	*na*	120	120	120	120	120	120	120	120	na	*na*	120	*na*	*na*	*na*	*na*	4	4
Rubkona	**Bentiu**	21	7	28	28	25	32	32	46	21	32	18	21	39	14	25	32	*na*	7	11
	Rubkona Town	25	14	32	21	21	28	39	35	28	21	14	21	35	6	28	14	*na*	7	7
Upper Nile																				
Baliet	**Baliet Town**	30	*na*	14	14	*na*	*na*	14	14	14	14	14	*na*	270	*na*	60	*na*	20	14	14
Fashoda	**Aburoc**	28	*na*	21	44	*na*	*na*	28	60	21	21	21	28	*na*	*na*	90	*na*	2	5	5
	Kodok	120	*na*	28	60	*na*	*na*	48	60	28	48	21	42	60	*na*	60	14	2	5	6
Longochuk	**Mathiang**	21	18	52	14	*na*	21	21	21	14	21	7	14	na	*na*	*na*	*na*	13	19	15
Maiwut	**Jikou**	14	14	3	*na*	*na*	*na*	*na*	6	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	3	*na*	*na*
Melut	**Dingthoma IDP**	180	*na*	120	60	150	*na*	90	120	60	75	105	*na*	60	*na*	120	*na*	2	*na*	3
	Melut Town	60	*na*	29	60	60	*na*	45	29	30	60	90	60	60	60	90	75	*na*	*na*	*na*
	Paloich	45	*na*	28	60	60	75	30	30	30	45	60	45	90	75	75	60	*na*	*na*	*na*
Ulang	**Nyangore**	30	5	60	31	*na*	*na*	37	14	*na*	60	*na*	90	60	*na*	180	*na*	*na*	4	4
	Ruplet	14	14	14	14	*na*	*na*	22	30	14	14	*na*	14	*na*	*na*	*na*	14	*na*	4	8
	Ulang	14	*na*	14	14	*na*	*na*	14	14	14	14	*na*	30	30	30	*na*	30	4	8	4
	Yomding	22	14	14	*na*	*na*	*na*	11	7	*na*	14	*na*	14	*na*	*na*	*na*	14	4	8	4
Western Bahr el Ghazal																				
Raja	**Deim Zubeir**	56	*na*	18	30	14	*na*	21	45	18	21	60	30	*na*	*na*	*na*	*na*	5	3	3
	Raja Town	30	*na*	30	30	14	56	14	10	60	26	14	*na*	30	60	90	*na*	*na*	1	1
Wau	**Wau**	21	21	14	14	30	14	14	14	14	14	30	30	30	30	30	30	*na*	21	21
Western Equatoria																				
Maridi	**Maridi**	60	*na*	75	*na*	*na*	*na*	60	*na*	*na*	60	*na*	150	*na*	*na*	60	60	90	*na*	*na*

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

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

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

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

[4] Source: Central Bank of South Sudan (2020, November 1). Retrieved from www.bankofsouthsudan.org. The rates from 19 September were used for the calculation of the monthly change.

JMMI OUTPUTS

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

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

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