

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 (NFI) in the assessed areas, as well as the costs associated with key elements of the Multi-Sector Survival Minimum Expenditure Basket (MSSMEB).

Cost of MSSMEB¹

48,770 SSP

111.41 USD*

768 SSP ▲+3%

Cost of food basket²

31,331 SSP

73.66 USD*

918 SSP ▼-1%

USD/SSP

(parallel market)³

416

3 SSP ▲+1%

USD/SSP

(official)⁴

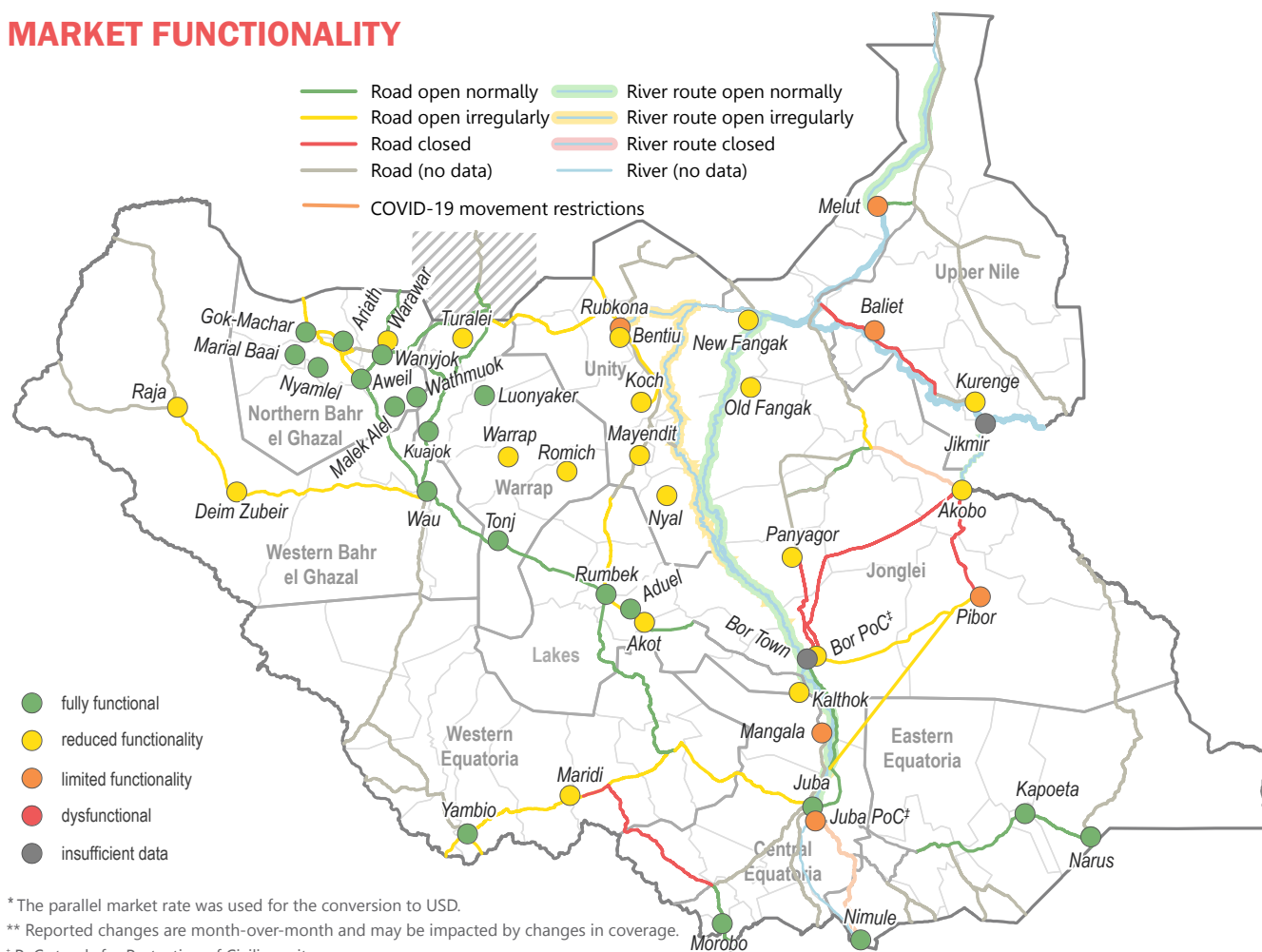
413

3.26 SSP ▲+1%

PARTICIPATING AGENCIES

CARE
Cina
Concern
Cordaid
DCA
IOM
IRC
LDO
Malteser Int.
Nile Hope
NPA
Oxfam
REACH
Save the Children
Solidarités
SPEDP
SSGID
Tearfund
UNHCR
WADA
Welthungerhilfe
World Vision

MARKET FUNCTIONALITY



21 participating agencies⁵

47 assessed locations[†]

71 assessed marketplaces

1,029 key informants

21 assessed commodities

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

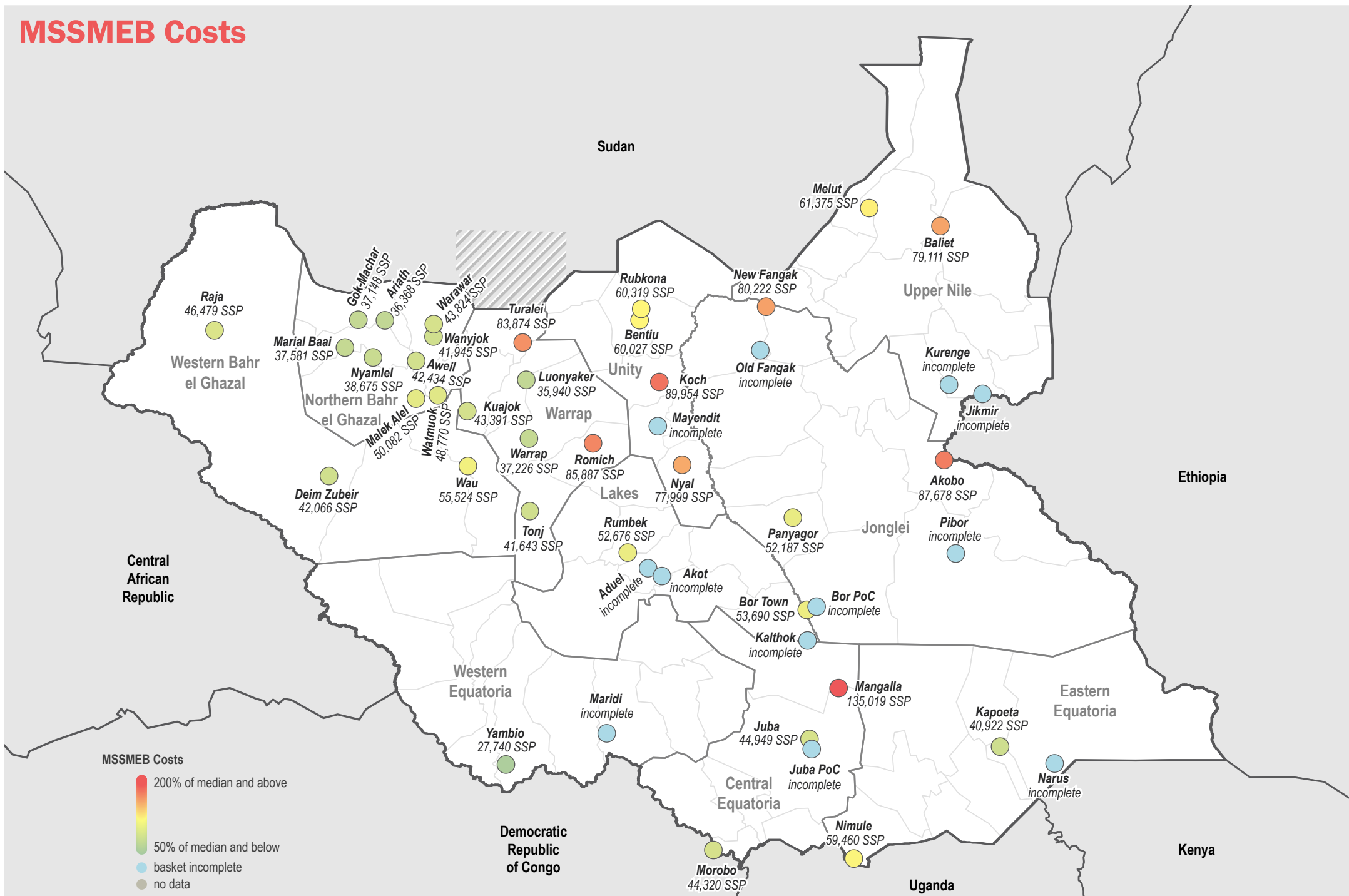
** Reported changes are month-over-month and may be impacted by changes in coverage.

† 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

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)

48,770 SSP

111.41 (at parallel market rate)

112.38 (at official rate)

Change since Nov 2021

768 SSP ▲+3%

Change since Dec 2020

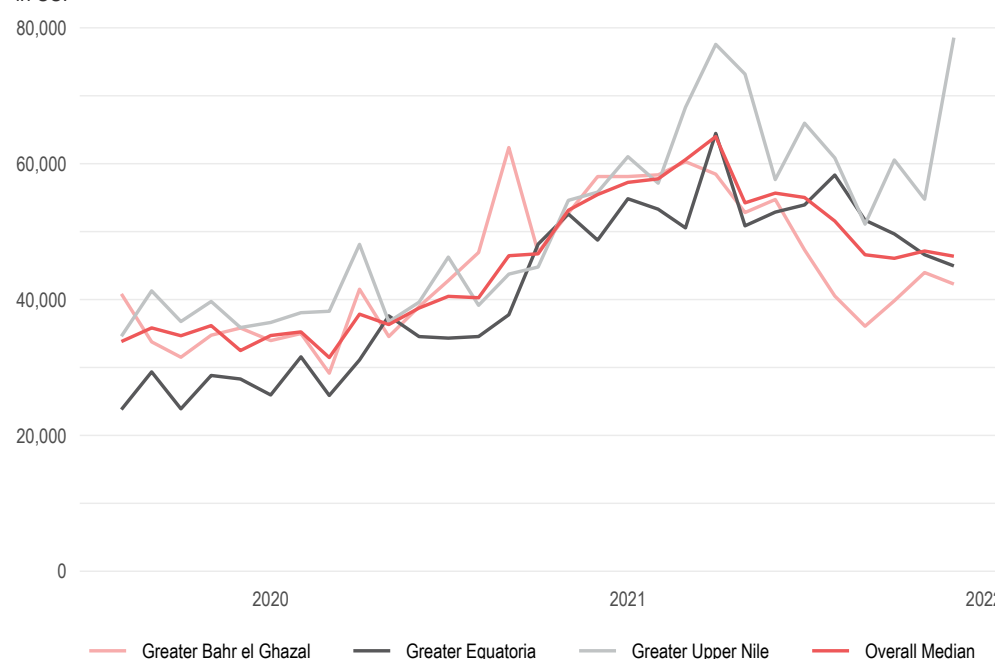
9,082.21 SSP ▼-12%

MSSMEB PER LOCATION

County	Location	MSSMEB key items in SSP	Change since Nov 2021	Change since Dec 2020	MSSMEB key items in USD*
Central Equatoria					
Juba	Juba PoC	na	na	na	na
	Juba Town	44,949	▼ 4%	▼ 8%	107.66
	Mangala	135,019	▲ 98%	na	333.38
Morobo	Morobo Town	44,320	▲ 11%	na	106.47
Eastern Equatoria					
KapoetaEast	Narus	na	na	na	na
Kapoeta South	Kapoeta Town	40,922	na	▼ 22%	98.31
Magwi	Nimule	59,460	▲ 4%	▲ 5%	142.85
Jonglei					
Akobo	Akobo Town	87,678	na	na	210.64
BorSouth	Bor Town	53,690	▲ 1%	na	128.60
	Bor PoC	na	na	na	na
Fangak	NewFangak	80,222	na	▲ 36%	205.70
	OldFangak	na	na	na	na
Pibor	Pibor Town	na	na	na	na
TwicEast	Panyagor	52,187	na	na	125.37
Lakes					
Awerial	Kalthok	na	na	na	na
RumbekCentre	Rumbek Town	52,676	▲ 12%	na	128.48
RumbekEast	Aduel	na	na	na	na
	Akot	na	na	na	na
Northern Bahr el Ghazal					
AweilCentre	Aweil Town	42,434	▼ 5%	▼ 29%	99.84
AweilEast	Wanyjok	41,945	na	na	99.28
	Warawar	43,824	na	na	103.73
AweilNorth	Ariath	36,368	▲ 5%	▼ 33%	85.57
	Gok-Machar	37,148	▲ 1%	▼ 26%	87.67
AweilSouth	MalekAlel	50,082	▼ 8%	na	117.49
	Watmuok	48,770	▼ 9%	na	115.43
AweilWest	Marial Baai	37,581	▲ 3%	▼ 26%	88.69
	Nyamlel Town	38,675	▲ 6%	▼ 39%	94.04
Unity					
Koch	Koch Town	89,954	na	na	216.11
Mayendit	Mayendit town	na	na	na	na
Panyijiar	Nyal	77,999	na	▲ 27%	187.95
Rubkona	Bentiu	60,027	▲ 10%	▼ 17%	145.08
	Rubkona Town	60,319	▼ 1%	▼ 19%	144.48
Upper Nile					
Baliet	Baliet Town	79,111	▲ 6%	▲ 48%	190.06
LuakpinyNasir	Jikmir	na	na	na	na
	Kurenge	na	na	na	na
Melut	Melut Town	61,375	▼ 14%	▲ 10%	151.54
Warrap					
GogrialEast	Luonyaker	35,940	▼ 16%	na	86.34
GogrialWest	Kuajok	43,391	► 0%	na	104.24
TonjEast	Romich	85,887	▲ 128%	na	206.33
TonjNorth	Warrap Town	37,226	na	na	89.43
TonjSouth	Tonj Town	41,643	na	na	100.04
Twic	Turalei	83,874	▼ 8%	na	202.10
Western Bahr el Ghazal					
Raja	DeimZubier	42,066	▼ 6%	▼ 32%	101.06
	Raja Town	46,479	▲ 19%	▼ 18%	116.20
Wau	Wau Town	55,524	▲ 17%	▼ 15%	133.79
Western Equatoria					
Maridi	Maridi Town	na	na	na	na
Yambio	Yambio Town	27,740	▼ 21%	na	66.05
Overall		48,770	▲ 3%	▼ 12%	117.17

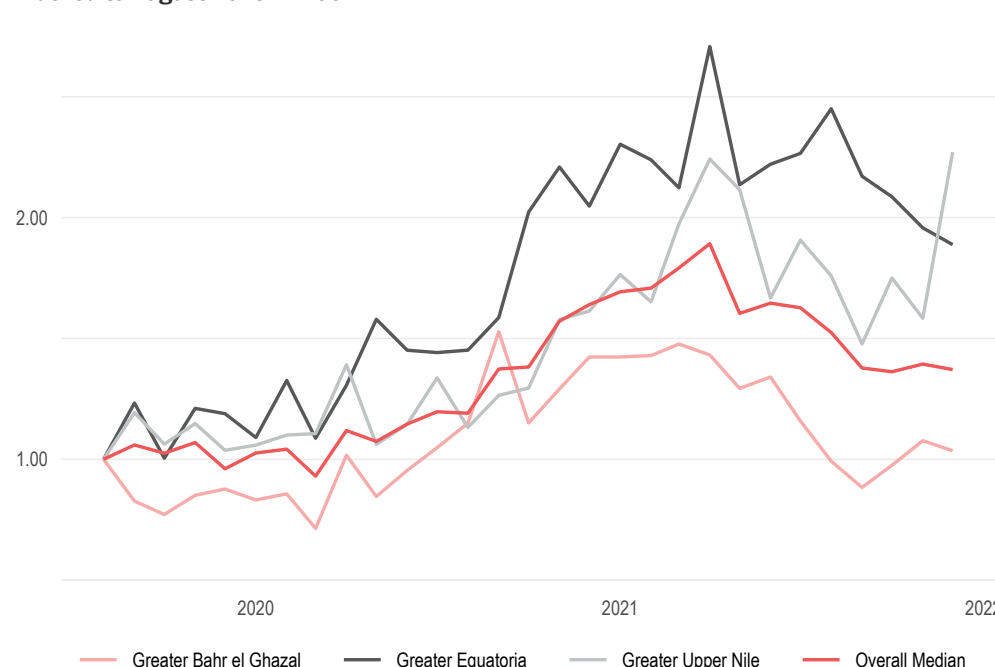
MSSMEB OVER TIME⁵

in SSP



MSSMEB OVER TIME⁵

Indexed to August 2019 = 1.00⁶



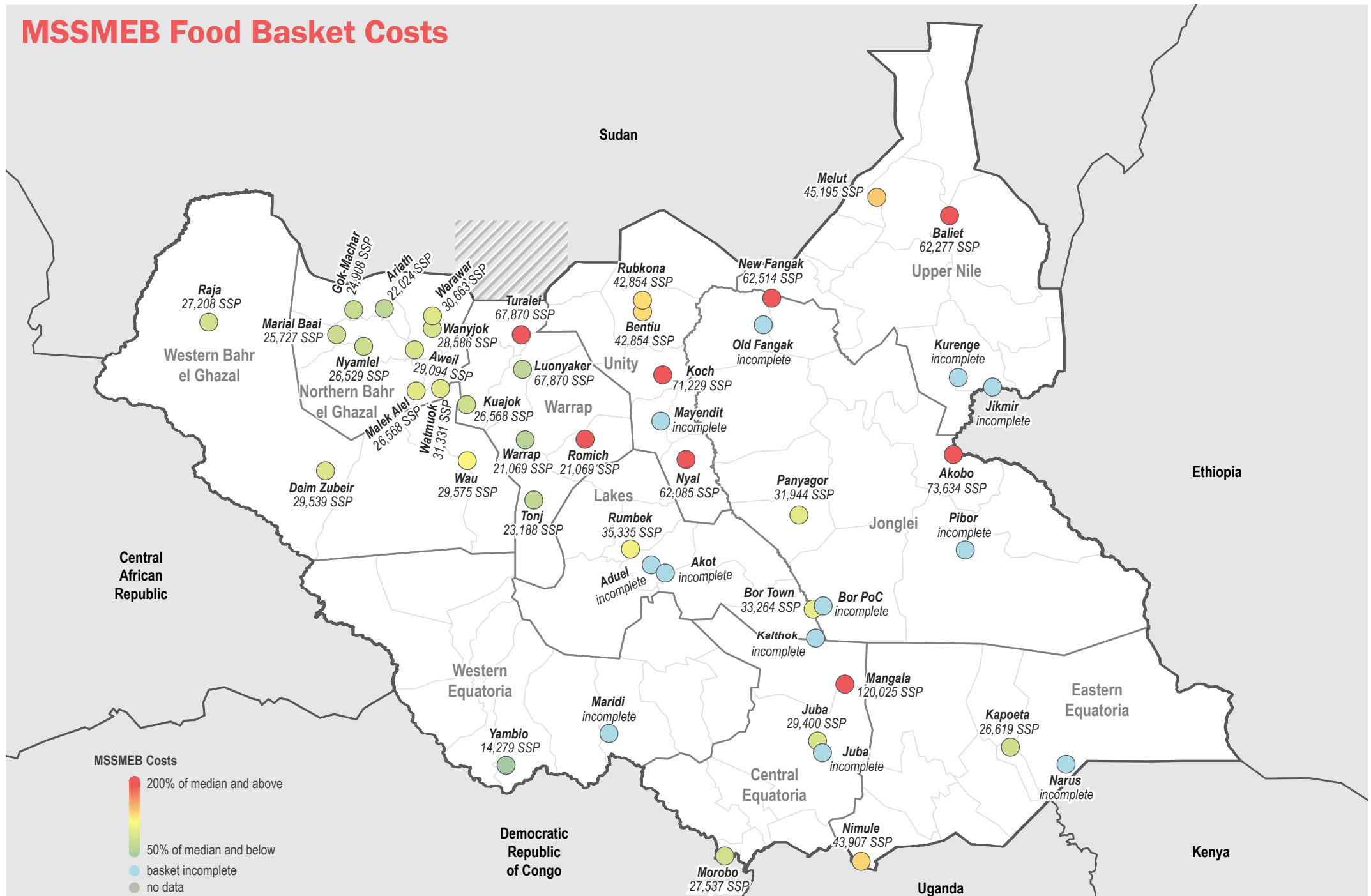
[†] The parallel market rate was used for the conversion to USD.

^{*} 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 Juba PoC and Koch, therefore the MSSMEB has been left blank.

[†] No sorghum nor maize prices were available. The cereal prices for September were inputted for Bor PoC.

MSSMEB Food Basket Costs



INDICES PER LOCATION

County	Location	MSSMEB food basket in SSP	Change since Oct 2020	Change since Nov 2019	Food price index* in SSP	Change since Oct 2020	Change since Nov 2019
Central Equatoria							
Juba	Juba PoC	na	na	na	5,283	▲ 32%	na
	Juba Town	29,400	na	na	4,270	na	na
	Mangala	120,025	na	na	7,832	na	na
Morobo	Morobo Town	27,537	▲ 12%	na	4,097	▼ 5%	na
Eastern Equatoria							
KapoetaEast	Narus	na	na	na	3,046	na	▼ 39%
KapoetaSouth	Kapoeta Town	26,619	na	▼ 21%	3,244	na	▼ 24%
Magwi	Nimule	43,907	▲ 2%	▲ 12%	5,404	► 0%	▼ 3%
Jonglei							
Akobo	Akobo Town	73,634	na	na	4,953	na	na
BorSouth	Bor Town	33,264	▼ 12%	na	4,444	▼ 12%	na
	Bor PoC	na	na	na	3,811	na	na
Fangak	NewFangak	62,514	na	▲ 42%	6,273	▲ 20%	▲ 18%
	OldFangak	na	na	na	6,748	na	na
Pibor	Pibor Town	na	na	na	8,489	na	▲ 51%
TwicEast	Panyagor	31,944	na	na	4,814	▼ 11%	na
Lakes							
Awerial	Kalthok	na	na	na	4,394	▲ 9%	na
Rumbek Centre	Rumbek Town	35,335	▲ 8%	na	4,750	▲ 14%	na
Rumbek East	Aduel	na	na	na	5,432	▼ 13%	na
	Akot	na	na	na	4,465	na	na
Northern Bahr el Ghazal							
AweilCentre	Aweil Town	29,094	▼ 2%	▼ 34%	4,662	▲ 1%	▼ 17%
AweilEast	Wanyjok	28,586	na	na	4,158	▼ 3%	na
	Warawar	30,663	na	na	4,720	na	na
AweilNorth	Ariath	22,024	▼ 1%	▼ 43%	3,992	▼ 7%	▼ 24%
	Gok-Machar	24,908	na	na	4,856	na	na
AweilSouth	MalekAlel	31,529	▼ 12%	na	4,631	▲ 5%	na
	Watmuok	31,331	na	na	4,470	na	na
AweilWest	Marial Baai	25,727	▲ 11%	▼ 31%	4,686	► 0%	▼ 2%
	Nyamlel Town	26,529	na	na	4,880	na	na
Unity							
Koch	Koch Town	71,229	na	na	6,534	▲ 45%	▼ 8%
Mayendit	Mayendit town	na	na	na	7,140	na	na
Panyijiar	Nyal	62,085	na	▲ 39%	5,995	▲ 41%	▲ 8%
Rubkona	Bentiu	42,854	▲ 15%	▼ 17%	7,150	▲ 6%	▲ 1%
	Rubkona Town	42,854	na	na	7,572	na	na
Upper Nile							
Baliet	Baliet Town	62,277	▲ 8%	▲ 70%	8,514	► 0%	▲ 52%
LuakpinyNasir	Jikmir	na	na	na	5,263	▲ 20%	na
	Kurenge	na	na	na	8,332	na	na
Melut	Melut Town	45,195	▼ 19%	▲ 23%	7,233	▼ 6%	▲ 43%
Warrap							
GogrialEast	Luonyaker	22,054	▼ 22%	na	3,650	▼ 28%	na
GogrialWest	Kuajok	26,568	▼ 6%	na	3,946	▼ 10%	na
TonjEast	Romich	67,534	▲ 213%	na	4,798	▼ 6%	na
TonjNorth	Warrap Town	21,069	na	na	5,701	na	na
TonjSouth	Tonj Town	23,188	na	na	4,394	na	na
Twic	Turalei	67,870	▼ 7%	na	6,306	▼ 2%	na
Western Bahr el Ghazal							
Raja	DeimZubier	29,539	▼ 5%	▼ 35%	4,348	▼ 23%	▼ 8%
	Raja Town	27,208	na	na	4,866	na	na
Wau	Wau Town	38,175	▲ 12%	▼ 21%	4,875	▲ 24%	▲ 21%
Western Equatoria							
Maridi	Maridi Town	na	na	na	6,068	▲ 25%	▼ 3%
Yambio	Yambio Town	14,279	▼ 35%	na	2,889	▼ 14%	na
Overall		31,331	▼ 1%	▼ 18%	4,856	▲ 8%	▼ 9%

*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 TIME⁵

in SSP



FOOD PRICE INDEX OVER TIME⁵

in SSP

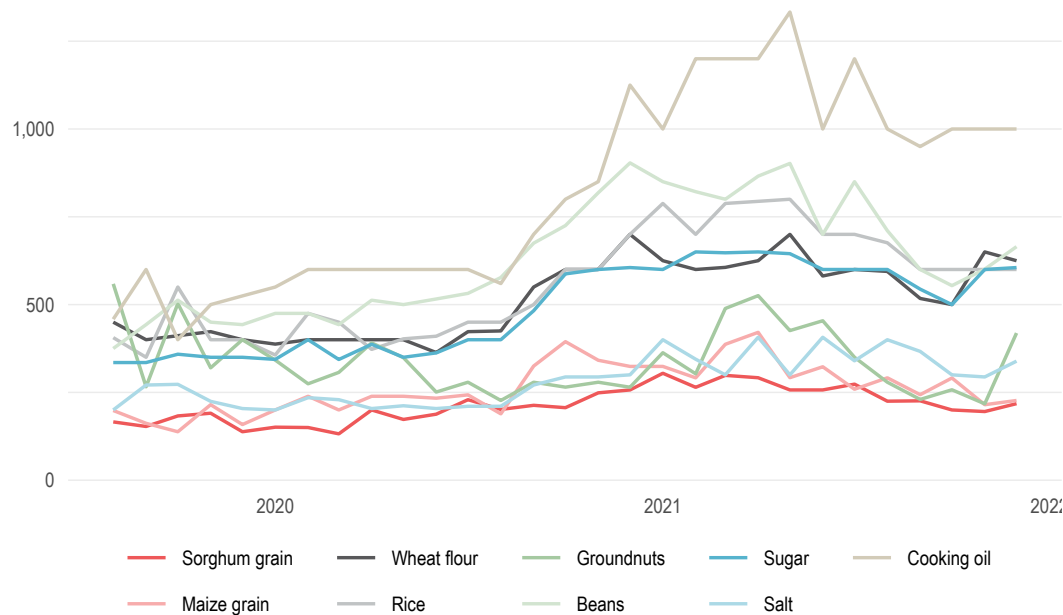


PRICES OF MONITORED

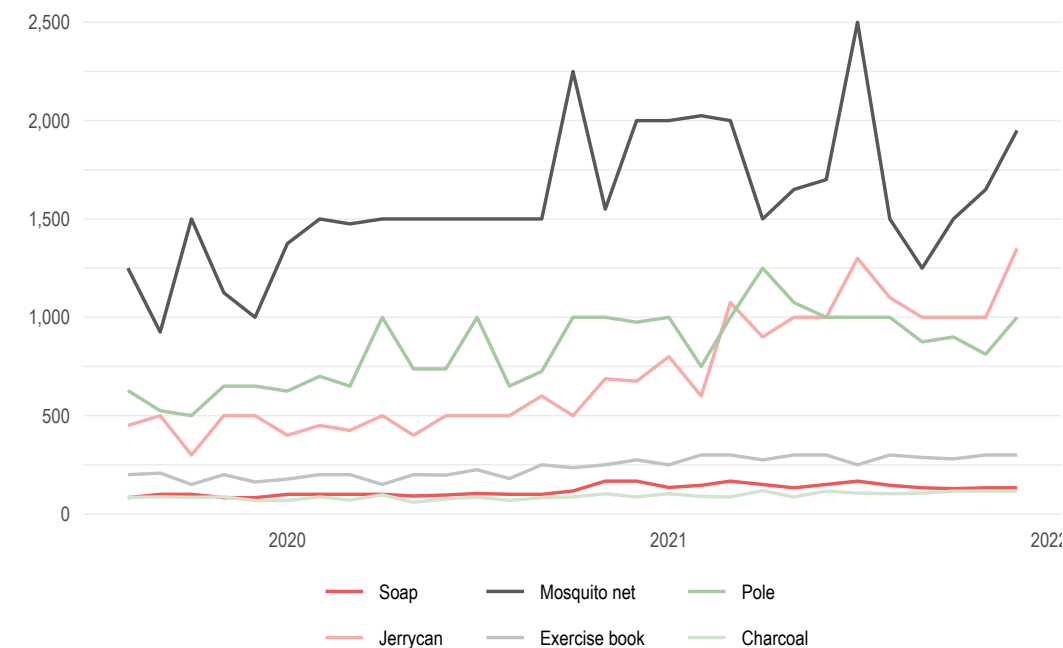
Item	Unit	Median price in SSP	Change since Sept 2020	Change since Oct 2019	Median price in USD
Food Items					
Sorghum grain	1 kg	218	▲ 12%	▼ 15%	0.52
Maize grain	1 kg	227	▲ 6%	▼ 30%	0.55
Wheat flour	1 kg	613	▼ 6%	▼ 13%	1.47
Rice	1 kg	600	► 0%	▼ 14%	1.44
Groundnuts (shelled)	1 kg	419	▲ 93%	▲ 58%	1.01
Beans	1 kg	665	▲ 14%	▼ 24%	1.60
Sugar	1 kg	600	► 0%	▼ 1%	1.44
Salt	1 kg	339	▲ 15%	▲ 13%	0.81
Cooking oil	1 L	1,000	► 0%	▼ 11%	2.40
Water*	1 L	30	▲ 8%	▼ 9%	na
Non-Food Items					
Soap	200 g	133	► 0%	▼ 20%	0.32
Jerry can	1 pc	1,350	▲ 35%	▲ 100%	3.24
Mosquito net	1 pc	1,950	▲ 18%	▼ 3%	4.68
Exercise book	1 pc	300	► 0%	▲ 9%	0.72
Blanket	1 pc	4,750	▲ 27%	▲ 19%	11.41
Cooking pot	1 pc	4,000	▼ 11%	► 0%	9.61
Plastic sheet	1 pc	7,000	▼ 7%	▲ 2%	16.82
Pole	1 pc	1,000	▲ 23%	▲ 3%	2.40
Firewood	1 bundle	500	▼ 17%	▲ 25%	1.20
Charcoal	malwa	116	► 0%	▲ 33%	0.28
Livestock Items					
Goat	1 goat	13,250	▼ 16%	▲ 10%	31.83
Chicken	1 chicken	2,000	▼ 33%	▲ 14%	4.80
Services					
Milling costs	1 kg	50	► 0%	▲ 16%	0.12
Currencies					
US dollar	1 USD	416	▲ 1%	▼ 29%	
Sudanese pound	1 SDG	1.15	▼ 14%	▼ 73%	
Ethiopian biir	1 ETB	na	na	na	
Ugandan shilling	1 UGX	0.12	na	▼ 33%	
Kenyan shilling	1 KES	na	na	na	

* Prices only collected for Juba Town

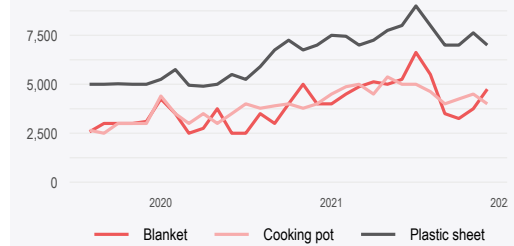
FOOD PRICES OVER TIME in SSP



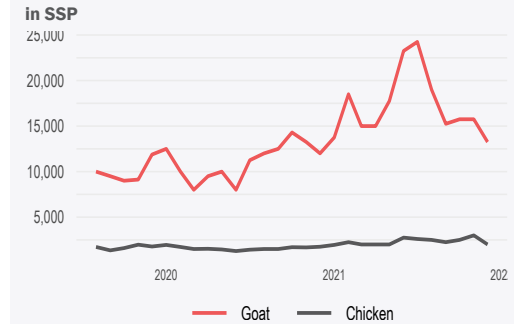
NFI PRICES OVER TIME in SSP



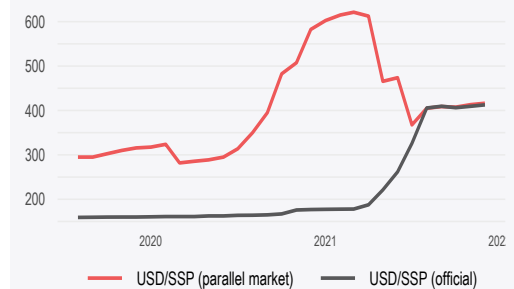
NFI PRICES OVER TIME CONT. in SSP



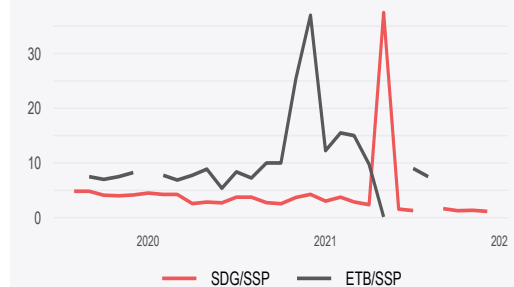
LIVESTOCK PRICES OVER TIME in SSP



USD EXCHANGE RATE OVER TIME

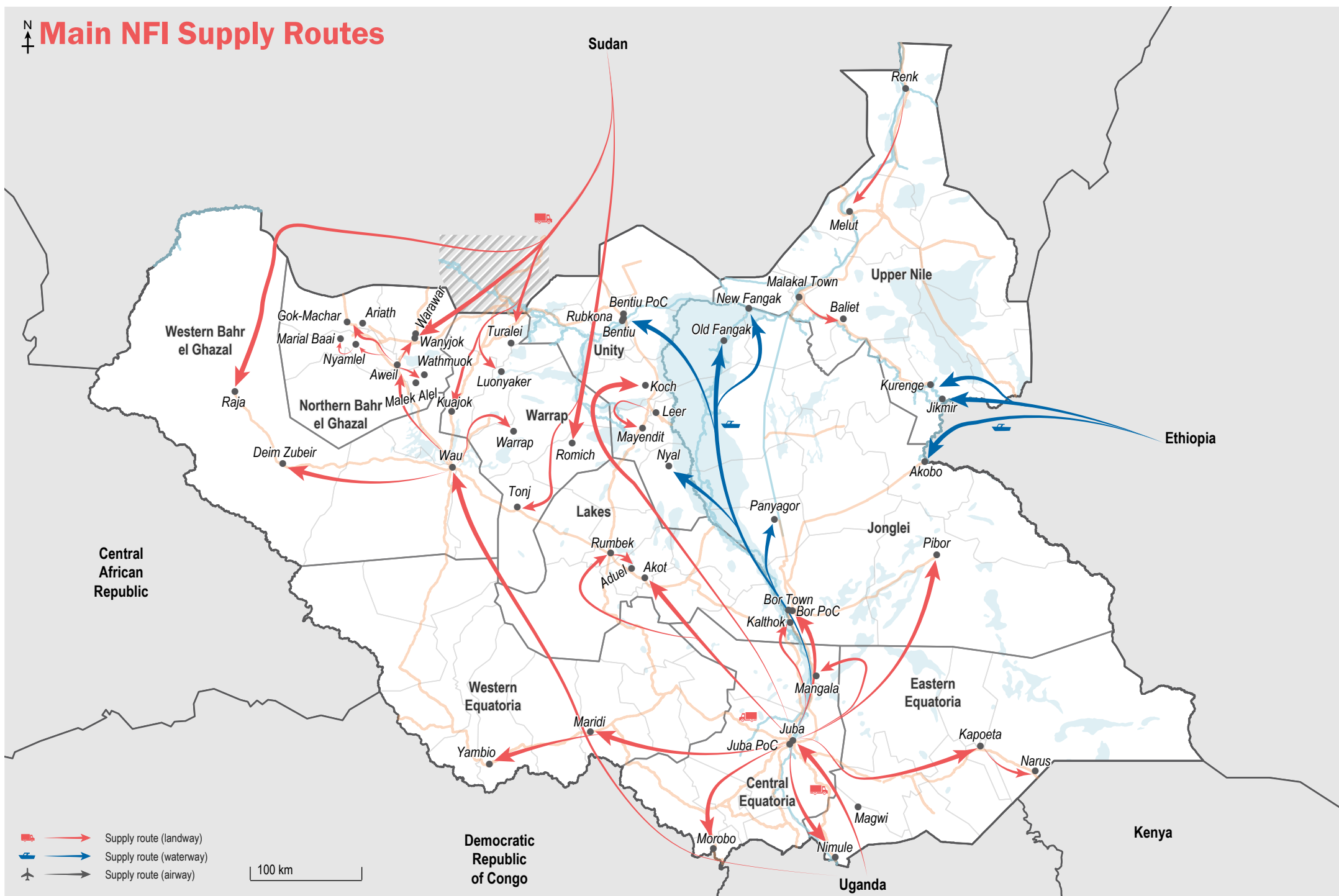


OTHER EXCHANGE RATES OVER TIME (Parallel market rates)



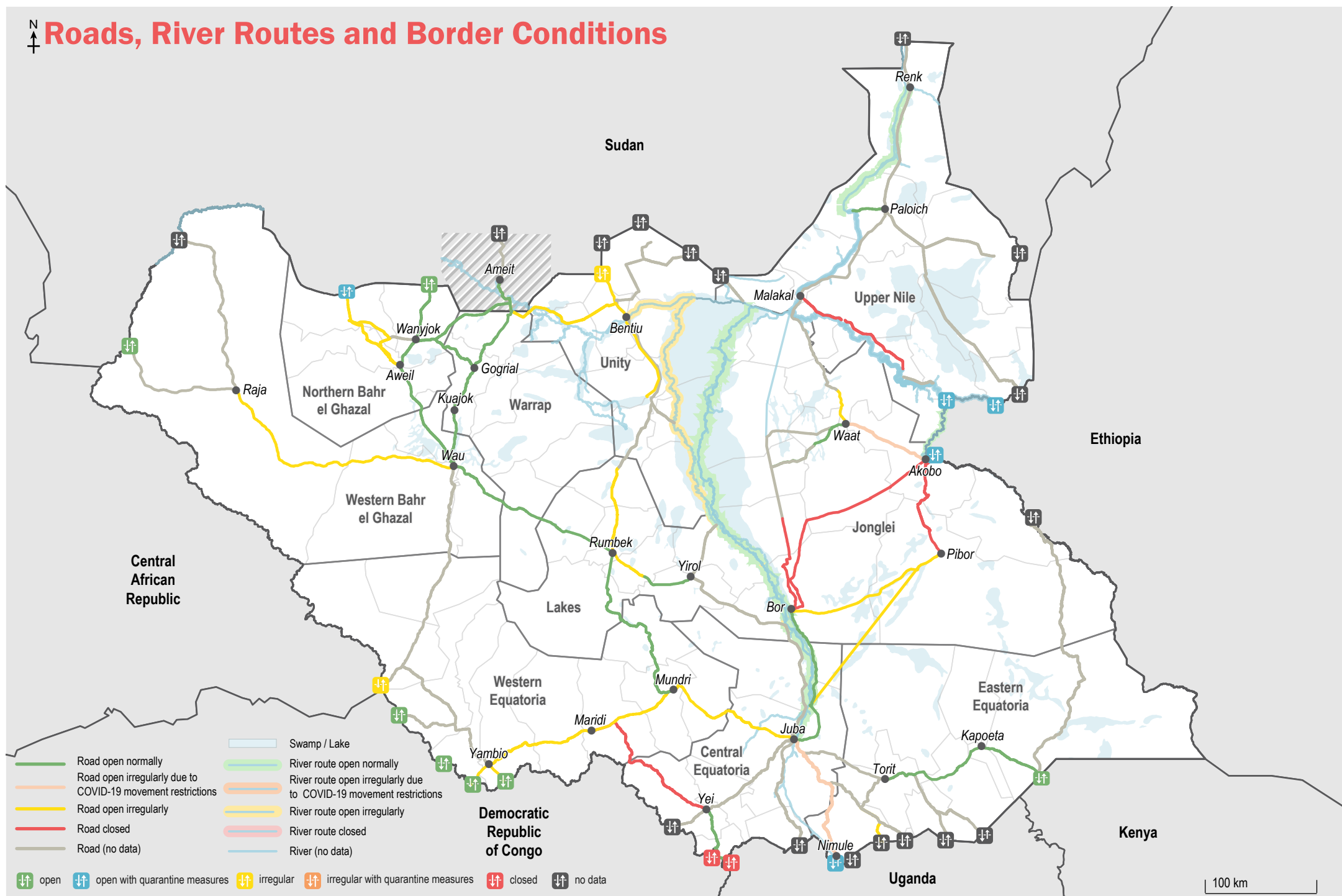


Main NFI Supply Routes



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

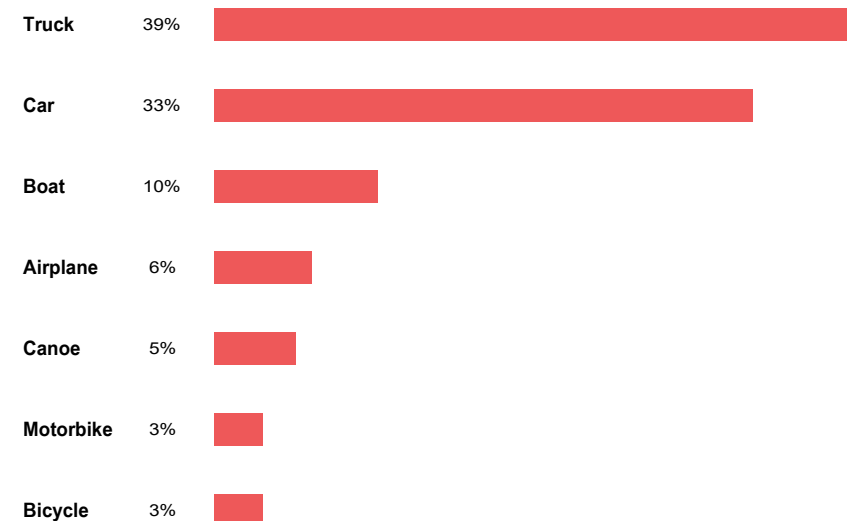
Roads, River Routes and Border Conditions



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

Additional Indicators

Primary modes of transport for restocking local cereals reported by



2 days

median time to restock locally produced cereals from out of town



75% of traders reported restocking NFIs from a wholesaler in town



63% of **food traders** expect price increases
6% of **food traders** do not expect price changes
24% of **food traders** expect price decreases
7% of **food traders** do not have any price expectations

3.5 days

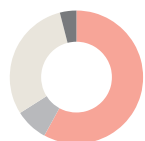
median reported additional time needed to restock for traders that reported undergoing quarantine measures at border crossings.

4 days

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

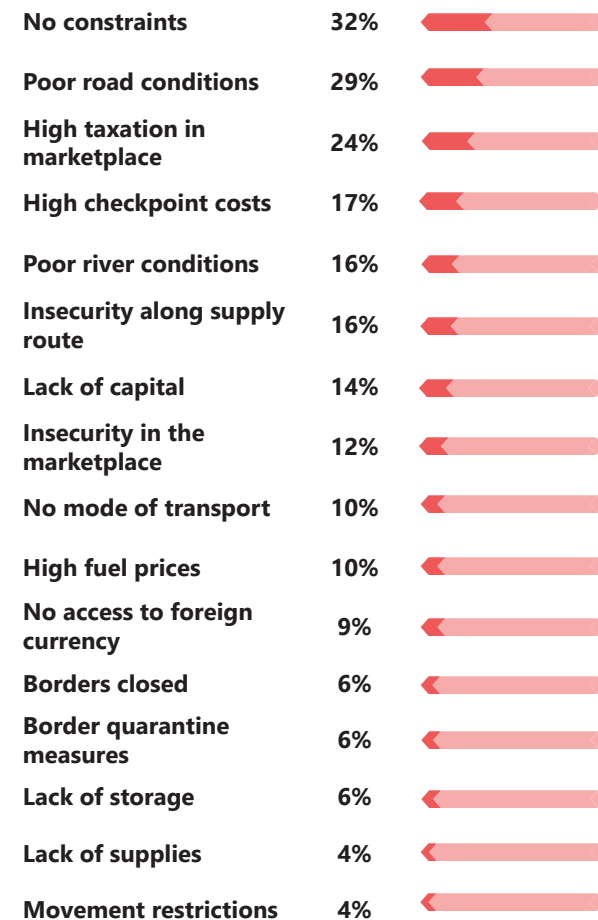


33% of staple cereal traders reported restocking from a local producer

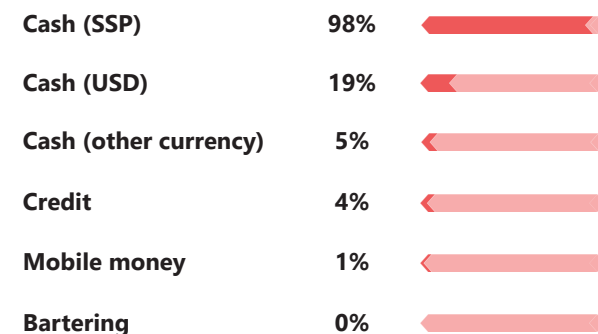


58% of **non-food traders** expect price increases
8% of **non-food traders** do not expect price changes
30% of **non-food traders** expect price decreases
4% of **non-food traders** do not have any price expectations

Reported restocking constraints*



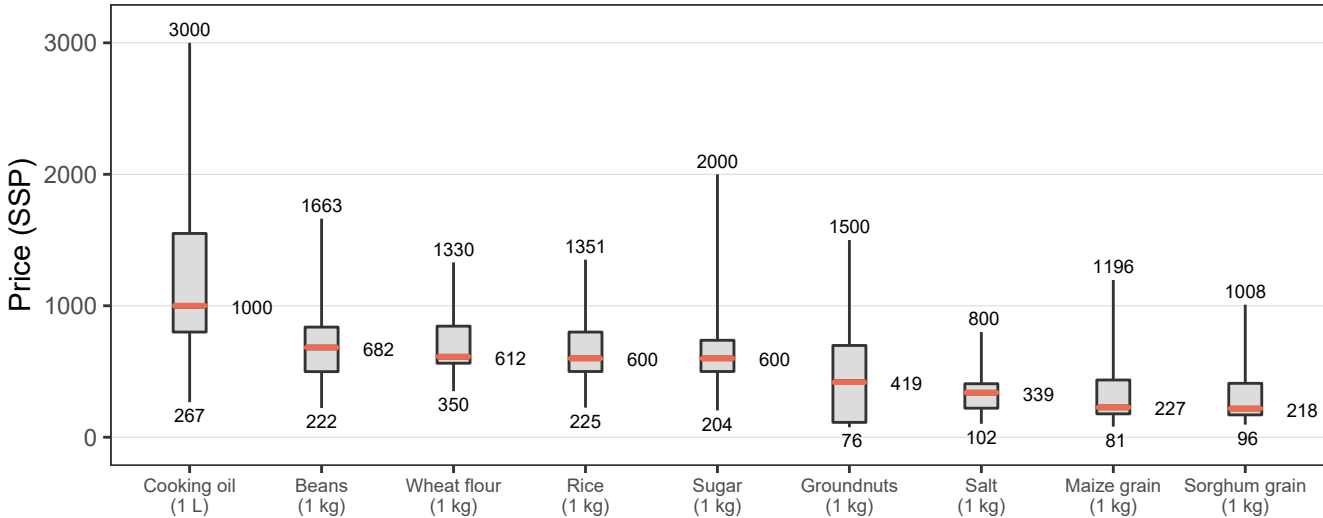
Accepted payment modalities*



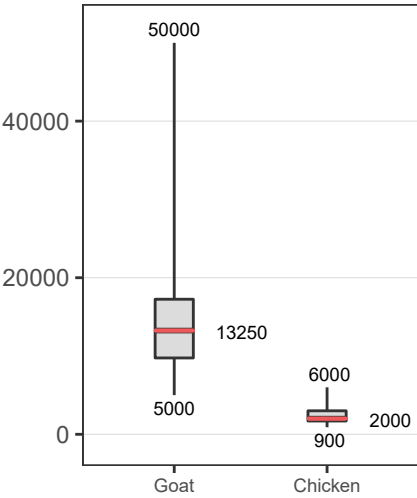
* Values do not add up to 100% as traders were allowed to select multiple options.

Distribution of Prices

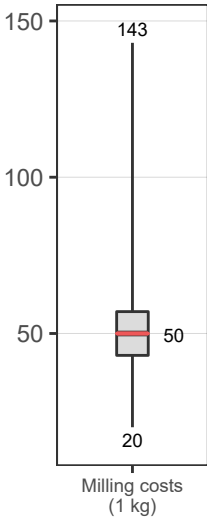
Food Items



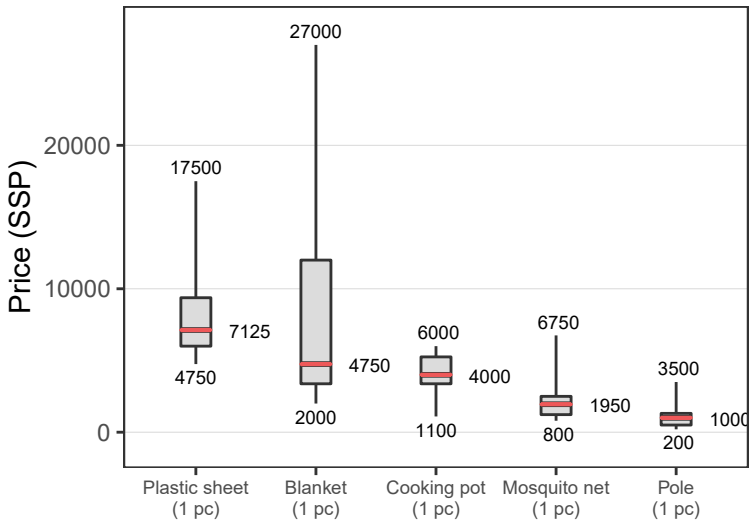
Livestock



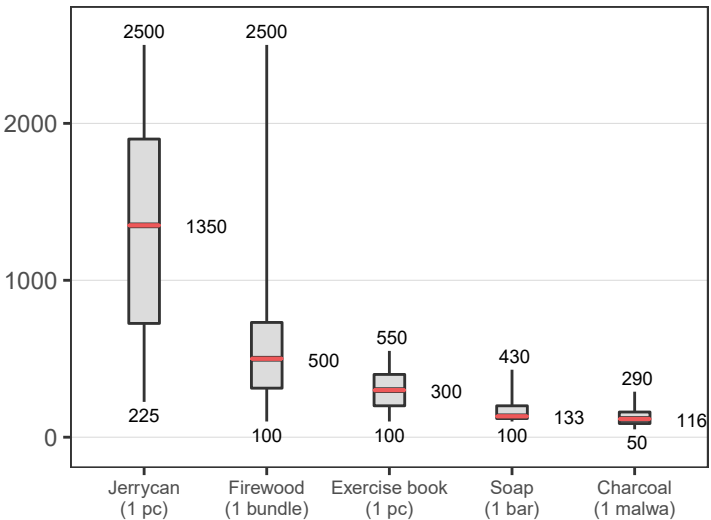
Services



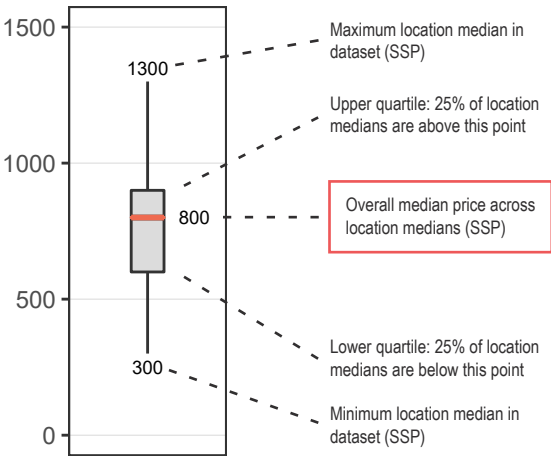
NFIs



NFIs cont.



How to read a boxplot



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

MEDIAN ITEM PRICES PER LOCATION (in SSP)

County	Location	Sorghum grain (1 kg)	Maize grain (1 kg)	Wheat flour (1 kg)	Rice (1 kg)	Groundnuts (shelled) (1 kg)	Beans (1 kg)	Sugar (1 kg)	Salt (1 kg)	Cooking oil (1 L)	Water (1 L)	Soap (200 g)	Jerrycan (1 pc)	Mosquito net (1 pc)	Exercise book (1 pc)	Blanket (1 pc)	Cooking pot (1 pc)	Plastic sheet (1 pc)	Pole (1 pc)	Firewood (1 bundle)	Charcoal (1 kg)	Goat (1 unit)	Chicken (1 unit)	Milling costs (1 kg)
Central Equatoria																								
Juba	Juba PoC	na	na	na	901	na	887	na	400	na	na	na	na	na	na	na	na	na	na	na	116	na	na	143
	Juba Town	220	200	400	500	650	700	500	300	800	30	100	500	1500	350	3500	3000	6000	1750	1100	116	45000	6000	20
	Mangala	1008	1196	845	676	1397	665	645	400	na	na	100	300	2250	300	2000	5000	6000	1000	1000	116	35000	3000	50
Morobo	Morobo Town	137	194	704	475	698	499	300	190	900	na	100	800	4375	350	6650	3500	8500	350	1500	155	50000	5000	30
Eastern Equatoria																								
Kapoeta East	Narua	na	na	316	225	419	222	215	204	1000	na	117	500	3500	350	3000	4000	10000	1250	475	95	15000	1500	43
Kapoeta South	Kapoeta Town	238	227	500	450	na	443	430	204	333	na	133	225	na	na	na	na	na	na	2100	86	15500	1700	29
Magwi	Nimule	377	359	704	563	698	554	538	611	1000	na	100	500	1750	200	3500	2500	5000	200	750	174	na	na	30
Jonglei																								
Akobo	Akobo Town	726	na	845	676	na	443	645	305	667	na	167	na	3000	250	na	6000	13000	1500	300	58	27500	900	143
BorSouth	Bor Town	246	421	563	507	na	665	484	na	800	na	100	na	1500	na	7500	5500	7000	na	400	290	15000	5000	na
	Bor PoC	na	na	563	450	698	554	430	271	400	na	167	na	na	na	na	na	na	na	200	174	na	na	na
	NewFangak	491	na	845	676	na	na	611	339	2000	na	267	na	2000	na	na	na	na	500	425	155	10000	1000	143
	OldFangak	na	na	na	450	na	na	1466	678	2000	na	267	na	2000	400	na	na	na	1000	200	138	8000	1500	na
Pibor	Pibor Town	na	na	na	1000	na	1500	2000	500	2000	na	267	na	na	na	na	na	na	na	300	na	40000	4500	20
TwicEast	Panyagor	na	na	845	563	na	665	538	na	1000	na	133	na	na	na	na	na	na	1000	2000	276	30000	4000	57
Lakes																								
Awerial	Kalthok	273	na	na	500	na	500	450	400	1000	na	133	na	2500	na	na	na	12000	na	na	na	14500	na	na
RumbekCentre	Rumbek Town	255	211	600	600	na	na	600	400	na	na	117	1650	1500	350	4250	5500	4750	550	500	166	17500	2750	57
RumbekEast	Aduel	na	na	na	1351	461	na	1075	543	267	na	133	725	800	175	2250	4000	7000	na	550	116	11500	2000	115
	Akot	na	na	500	600	120	600	400	800	1000	na	133	na	na	250	na	na	na	325	600	102	14500	2000	50
Northern Bahr el Ghazal																								
AweilCentre	Aweil Town	151	162	625	700	95	800	575	204	1350	na	117	1500	1200	100	12500	4000	6500	1000	500	121	11000	2750	68
AweilEast	Wanyjok	182	na	650	500	113	na	600	221	1000	na	133	1800	1200	200	na	4500	5000	450	350	87	12000	2000	43
	Warawar	182	na	600	600	113	na	700	300	1333	na	100	na	na	200	5000	5000	na	1500	300	87	9750	1750	43
AweilNorth	Ariath	136	na	650	600	95	400	700	184	1000	na	125	1350	1000	200	12000	4250	7000	1000	225	124	5500	1400	29
	Gok-Machar	106	162	600	725	95	800	700	368	1300	na	133	1900	na	150	na	na	7000	800	500	69	11000	2000	43
AweilSouth	MalekAlel	197	na	na	500	na	842	600	221	1000	na	133	2000	2000	500	na	4750	5000	550	475	138	19000	2900	43
	Watmuok	213	na	na	500	na	na	600	221	1000	na	133	2000	1750	500	na	4500	5000	500	450	103	16500	2750	43
AweilWest	Marial Baai	119	105	625	750	95	800	625	317	1250	na	133	2000	na	150	na	na	7500	1000	450	50	11000	2000	65
	Nyamlel Town	119	97	600	800	95	825	700	294	1350	na	117	2000	1200	200	12000	4000	7500	1000	500	50	10000	1900	65
Unity																								
Koch	Koch Town	546	486	563	450	526	443	419	102	3000	na	200	1000	3500	400	na	2500	5250	na	100	174	na	na	na
Mayendit	Mayendit town	518	486	na	na	na	751	1241	500	2000	na	434	na	na	na	na	na	na	na	na	na	na	na	na
Panyijiar	Nyal	510	na	500	na	na	na	874	600	1600	na	200	550	2500	na	na	4000	9000	2000	2500	121	na	na	na
Rubkona	Bentiu	202	239	1092	845	368	1663	785	407	1550	na	184	2500	6000	300	27000	3250	13500	3000	600	166	6250	2750	54
	Rubkona Town	202	213	1162	1014	419	1663	942	407	1550	na	217	2500	6750	300	26000	4000	16000	3500	600	166	7750	2250	57
Upper Nile																								
Baliet	Baliet Town	426	na	1000	1100	na	na	1225	552	2900	na	400	na	1000	400	na	na	8000	500	200	69	13000	1500	57
LuakpinyNasir	Jikmir	96	na	1250	600	na	na	na	400	na	na	300	800	na	na	na	na	na	na	na	na	na	na	na
	Kurenge	410	na	1140	920	2500	na	970	500	na	na	400	1750	1000	180	na	3000	na	na	1290	169	na	na	na
Melut	Melut Town	364	454	1200	800	1500	na	800	450	na	na	267	500	2000	300	3500	3000	14000	1250	1500	116	15000	1500	72
Warrap																								
GogrialEast	Luonyaker	170	na	563	450	na	443	611	367	400	na	184	1250	1000	300	na	5675	6000	400	200	58	9750	2750	43
GogrialWest	Kuajok	204	400	500	700	na	na	500	225	333	na	133	1200	1300	500	na	3500	6000	1500	100	86	8500	2000	43
TonjEast	Romich	594	na	563	na	698	1109	204	136	667	na	333	2500	1900	500	na	2000	15000	500	500	101	5000	1500	29
TonjNorth	Warrap Town	137	600	na	800	1500	600	600	339	500	na	167	1500	na	500	na	na	na	600	600	57	8500	1750	43
TonjSouth	Tonj Town	136	350	400	800	na	950	na	400	333	na	200	na	3500	550	na	6000	9500	250	450	103	9000	3000	57
Twic	Turalei	600	450	1200	900	280	700	na	370	1200	na	100	1100	1200	350	4500	1100	5000	1000	625	124	7250	2500	na
Western Bahr el Ghazal																								
Raja	DeimZubier	218	na	700	600	na	na	750	136	633	na	167	2500	na	200	na	na	na	500	300	52	na	na	57
	Raja Town	na	162	775	825	76	402	700	550	1200	na	167	1750	2500	500	26500	5250	5500	2050	675	166	15000	1700	57
Wau	Wau Town	275	225	600	600	550	800	600	225	1000	na	184	1000	2000	300	7500	5250	7250	1250	1500	166	13500	3000	72
Western Equatoria																								
Maridi	Maridi Town	na	na	1198	788	978	na	na	339	1050	na	109	650	1800	160	2700	6000	8000	700	1500	116	30000	4850	23
Yambio	Yambio Town	na	81	400	338	419	443	323	200	467	na	127	1500	4750	175	3000	5750	8000	1500	875	103	45000	4000	43
Overall median		249	342	600	600	279	819	600	294	850	25	167	688	1,550	250	5,000	3,775	6,750	1,000	475	103	13,250	1,675	47

MEDIAN STOCK LEVELS PER LOCATION (in days)

County	Location	Sorghum grain	Maize grain	Wheat flour	Rice	Groundnuts (shelled)	Beans	Sugar	Salt	Cooking oil	Soap	Jerry can	Mosquito net	Exercise book	Blanket	Cooking pot	Plastic sheet	Median time to restock local staple cereals	Median time to restock imported food items	Median time to restock NFIs
Central Equatoria																				
Juba	Juba PoC	na	na	na	28	na	60	35	49	na	na	na	na	na	na	na	na	na	8	na
	Juba Town	15	21	28	60	60	51	35	60	30	42	28	21	60	49	45	49	3	5	6
	Mangala	30	30	60	60	60	60	60	60	45	45	30	30	30	60	60	60	na	1	1
Morobo	Morobo Town	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	3	3	3
Eastern Equatoria																				
Kapoeta East	Narus	na	na	7	14	21	25	5	21	14	18	60	na	28	60	28	60	na	2	2
Kapoeta South	Kapoeta Town	7	na	21	22	na	14	14	14	6	6	45	na	na	na	na	na	na	5	na
Magwi	Nimule	41	21	14	14	18	18	14	18	14	14	21	60	14	60	60	60	1	90	31
Jonglei																				
Akobo	Akobo Town	na	na	na	60	na	60	41	45	60	8	na	8	9	na	7	7	na	na	na
BorSouth	Bor Town	21	21	21	28	na	28	25	na	14	21	na	21	na	28	35	21	14	14	30
	Bor PwoC	na	na	21	21	6	21	21	30	18	21	na	na	na	na	na	na	na	1	1
Fangak	New Fangak	14	na	14	30	na	na	14	30	14	18	na	14	na	na	na	na	na	25	15
	Old Fangak	na	na	14	21	na	21	22	11	14	26	na	14	37	na	22	na	na	18	21
Pibor	Pibor	na	na	na	60	na	35	60	60	60	60	na	na	na	na	na	na	na	3	3
TwicEast	Panyagor	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	5
Lakes																				
Awerial	kalthok	30	na	na	30	na	30	30	30	30	30	na	30	na	na	na	60	na	5	5
Rumbek Centre	Rumbek Town	33	28	30	33	na	30	33	29	30	30	30	60	60	30	48	26	15	15	13
Rumbek East	Aduel	45	30	30	30	14	60	30	26	30	19	14	45	45	30	60	60	3	3	3
	Akot	na	na	60	na	77	60	60	60	60	75	na	na	na	na	na	na	na	5	5
Northern Bahr el Ghazal																				
Aweil Centre	Aweil Town	30	48	28	48	60	33	63	na	29	60	36	48	60	60	60	60	na	na	na
Aweil East	Wanyjok	18	na	32	21	35	na	14	18	14	14	14	21	18	na	21	21	2	2	1
	Warawar	18	na	25	21	28	na	14	14	14	21	na	na	21	14	21	na	2	2	2
Aweil North	Ariath	18	na	14	18	18	14	18	14	14	11	na	60	na	7	37	37	na	4	1
	Gok-Machar	73	21	40	32	51	28	60	63	42	60	44	60	58	na	na	51	na	na	3
Aweil South	MalekAlel	14	na	na	18	na	14	11	14	14	14	14	14	21	na	21	14	1	1	1
	Watmuok	14	na	na	14	na	na	11	11	7	7	14	8	21	na	21	18	1	1	1
Aweil West	Marial Baai	51	29	39	33	77	58	49	na	32	60	25	na	60	na	na	49	na	na	na
	Nyamlel Town	42	32	30	28	44	28	60	48	46	41	25	39	60	30	33	30	na	na	na
Unity																				
Koch	Koch Town	32	na	14	30	na	21	7	60	41	45	na	11	36	na	na	33	na	7	6
Mayendit	Mayendit Town	45	14	na	na	na	18	25	41	14	22	na	na	na	na	na	na	na	na	26
Panyijiar	Nyal	60	na	60	na	na	na	30	60	60	60	30	60	na	na	60	60	na	4	4
Rubkona	Bentiu	18	21	21	14	18	28	21	25	28	28	21	25	21	25	21	28	9	9	9
	Rubkona Town	18	18	21	18	21	25	21	21	21	25	25	28	28	28	25	28	9	9	9
Upper Nile																				
Baliet	Baliet Twon	41	na	45	18	na	na	45	45	26	60	na	14	21	na	na	14	4	na	3
LuakpinyNasir	Jikmir	14	na	21	21	na	na	28	35	18	51	42	na	na	na	na	na	1	1	1
	Kurenge	25	na	28	14	21	60	25	14	14	25	18	60	36	na	7	26	2	2	2
Melut	Melut Town	75	14	60	30	60	60	45	na	30	45	20	na	na	na	na	na	1	1	2
Warrap																				
GogrialEast	Luonyaker	60	na	60	14	na	14	14	21	14	14	21	14	14	na	21	14	na	na	na
GogrialWest	Kuajok	60	21	14	21	na	14	21	21	14	14	21	21	21	na	60	21	na	na	na
TonjEast	Romich	18	na	14	na	14	18	14	14	14	14	14	14	21	na	21	18	na	na	na
TonjNorth	Warrap Town	60	14	na	14	14	14	14	14	18	14	14	na	14	na	na	na	na	na	na
TonjSouth	Tonj Town	60	60	14	14	na	14	14	14	14	14	na	14	14	na	37	14	na	na	na
Twic	Turalei	22	22	14	14	22	14	22	7	11	7	14	11	11	14	11	11	na	na	na
Western Bahr el Ghazal																				
Raja	Deim Zubeir	30	na	30	30	na	na	60	30	30	30	45	na	na	na	na	na	na	1	2
	Raja Town	14	14	14	60	22	19	14	26	14	21	na	21	60	45	60	45	na	20	20
Wau	Wau	18	21	18	18	18	18	18	18	18	18	18	14	22	18	18	18	na	28	29
Western Equatoria																				
Maridi	Maridi	na	na	7	7	14	na	na	21	14	7	6	19	18	14	7	22	na	14	15
Yambio	Yambio	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	1	23	28

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.
- 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**
- **CINA**
- **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
- **LDO**
- **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
- **SSGID**
- **Tearfund**
- **UNHCR**- United Nations High Commissioner for Refugee
- **UNICEF** – United Nations Children's Fund
- **UNKEA** – Universal Network for Knowledge & Empowerment Agency
- **WADA**
- **Welthungerhilfe** (WHH)
- **Windle Trust International**
- **World Vision**
- **NPA** - Norwegian Peoples's Aid

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 1 September were used for the calculation of the monthly change.

JMMI OUTPUTS

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