

INTRODUCTION

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

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

Cost of MSSMEB¹

38,746 SSP
131.34 USD*

▲ 2,430 SSP +7%

Cost of food basket²

27,930 SSP
94.68 USD*

▲ 3,168 SSP +13%

USD/SSP (parallel market)³

295

▲ 6 SSP +2%

USD/SSP (official)⁴

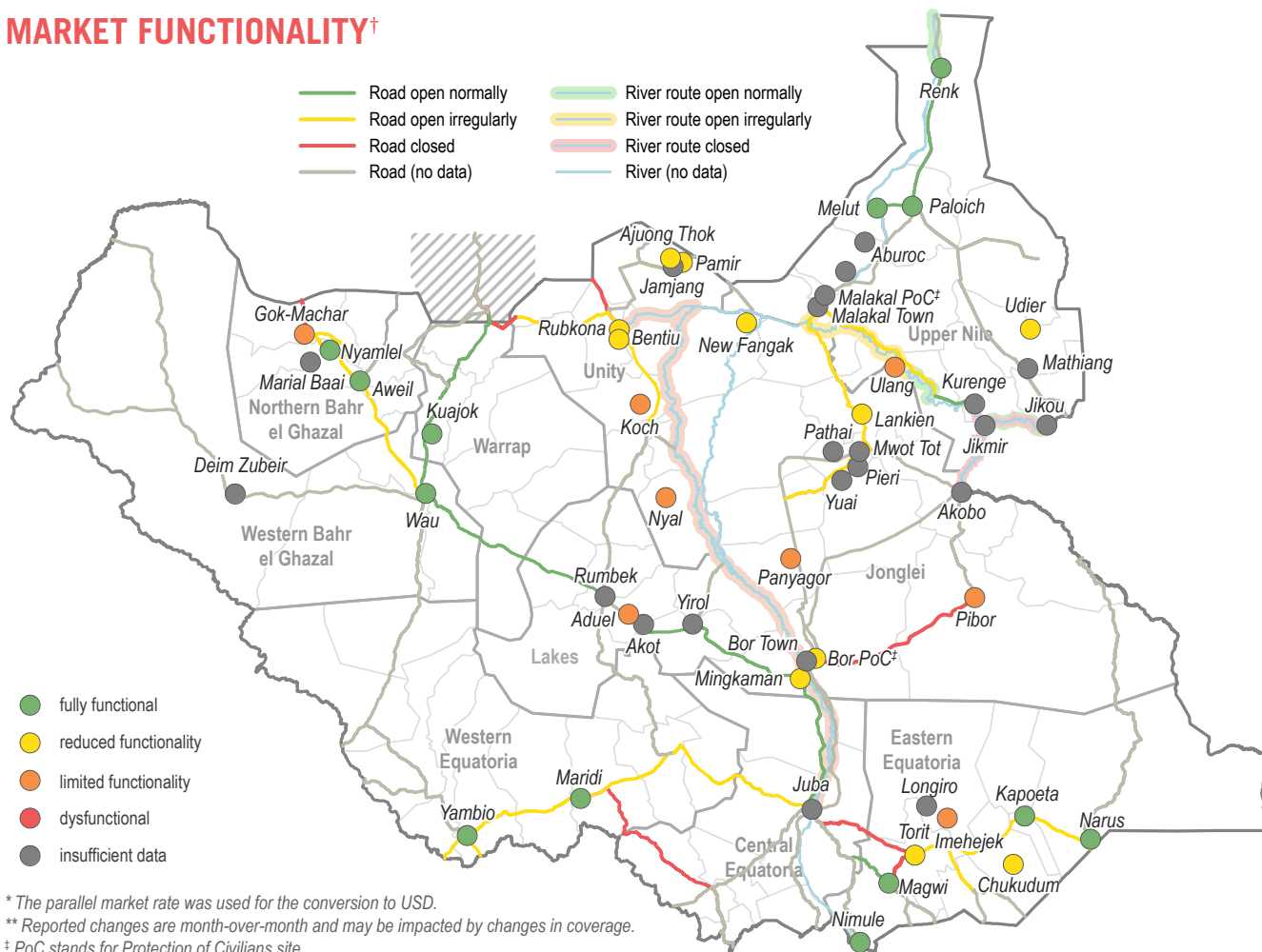
162

► 0%

PARTICIPATING AGENCIES

- ACTED
- CAFOD-Trócaire
- CARE
- Caritas
- Cordaid
- DCA
- DRC
- GOAL
- HARD
- IOM
- Malteser International
- IRC
- Nile Hope
- NRDC
- Oxfam
- PAH
- Plan
- REACH
- Save the Children
- SPEDP
- Tearfund
- UNICEF
- UNKEA
- World Vision
- Welthungerhilfe

MARKET FUNCTIONALITY[†]



16 participating agencies

34 assessed locations[†]

51 assessed marketplaces

1,066 key informants

21 assessed commodities

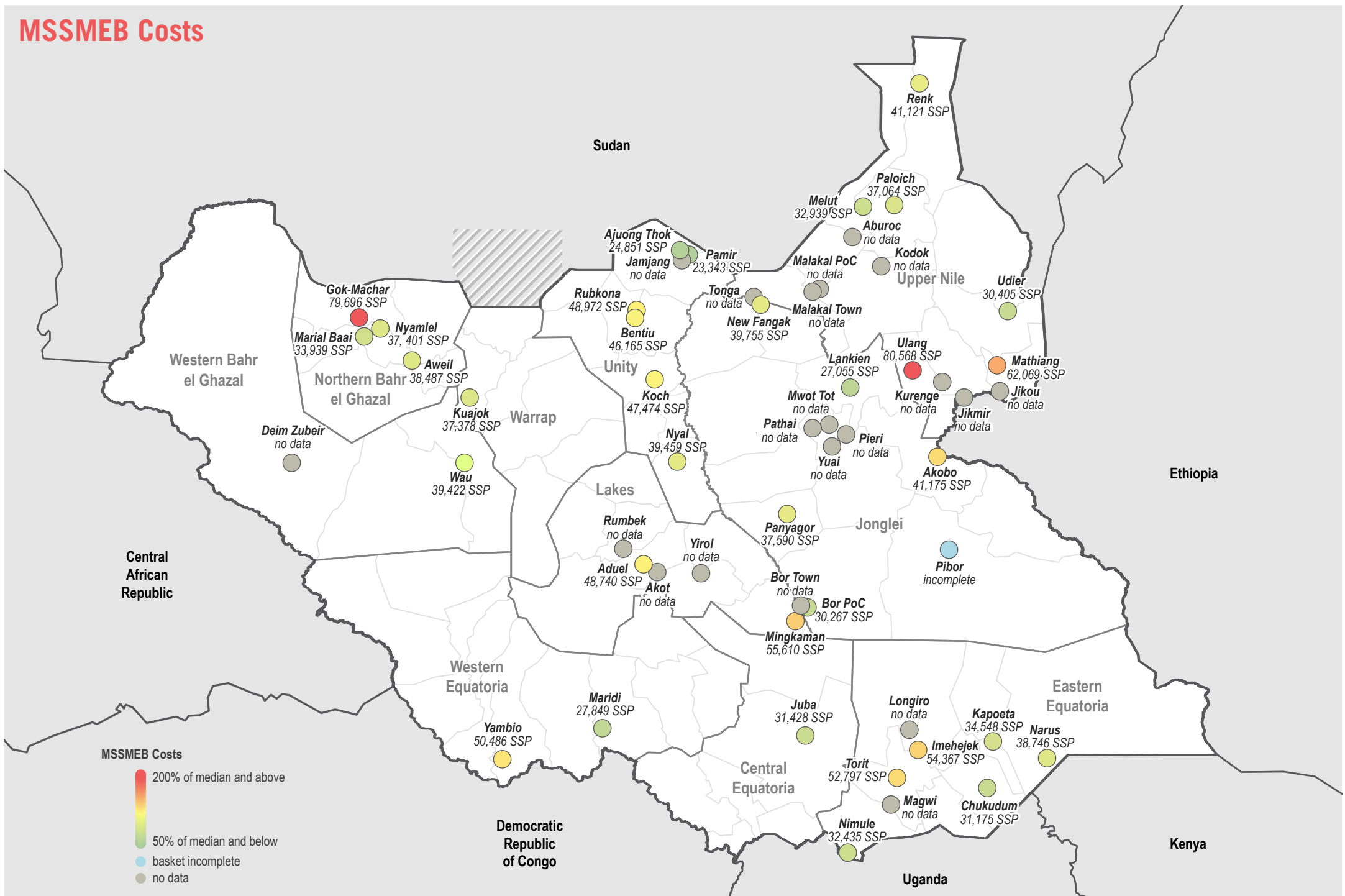
* The parallel market rate was used for the conversion to USD.

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

† PoC stands for Protection of Civilians site.

¹ Coverage depends on the interest and capacity of the contributing partner agencies. Coverage will be expanded in upcoming rounds. The Abyei Region is shaded to acknowledge its status as a disputed territory.

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)

38,746 SSP

131.34 USD (at parallel market rate)

224.17 USD (at official rate)

Change since May 2020

▲ 2,430 SSP + 7%

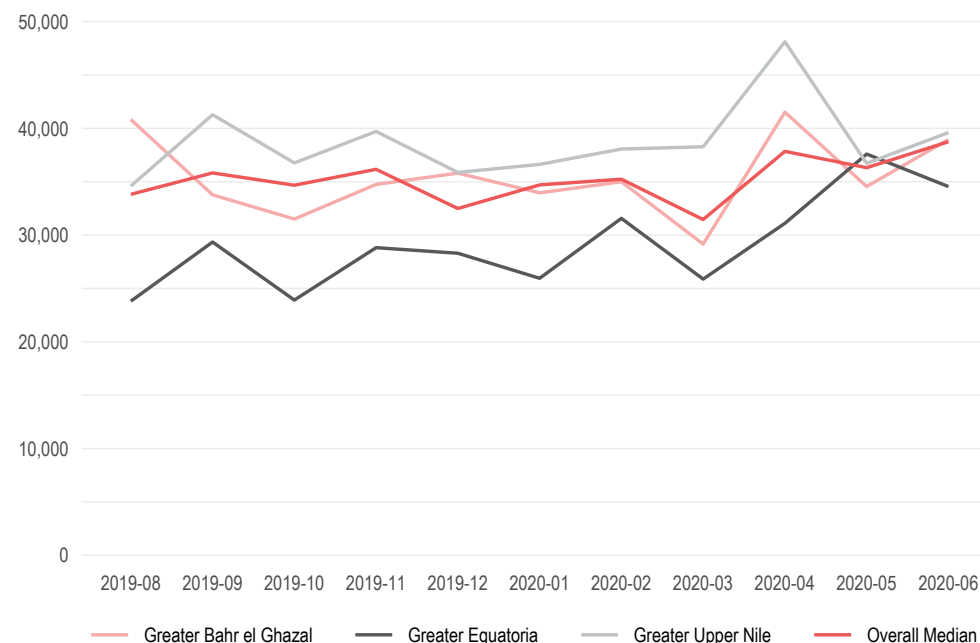
Change since August 2019

▲ 4,928 SSP + 15%

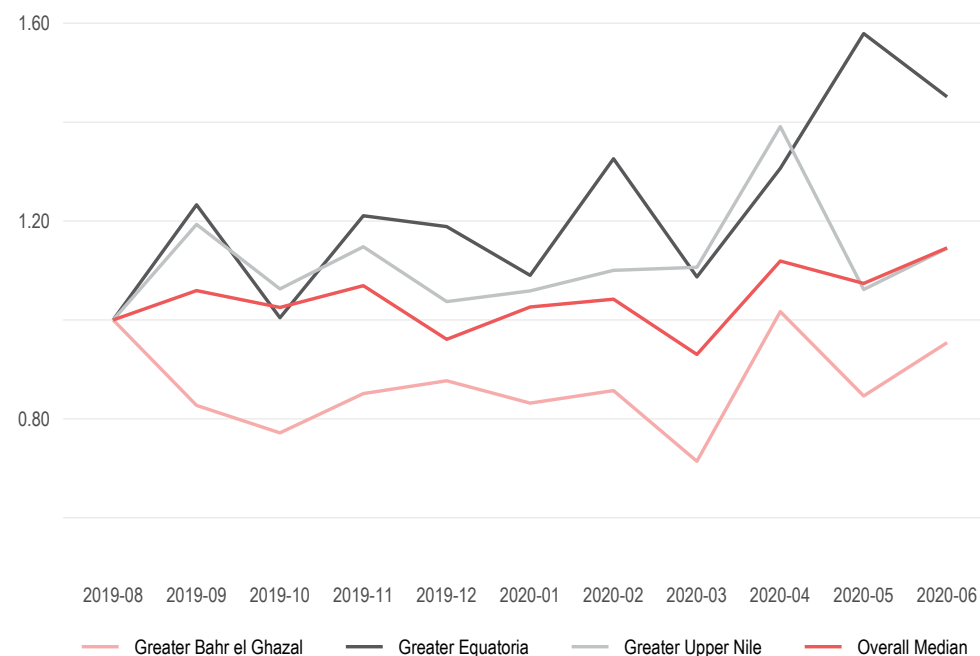
MSSMEB PER LOCATION

County	Location	MSSMEB key items in SSP	Change since May 2020	Change since Aug 2019	MSSMEB key items in USD [†]
Central Equatoria					
Juba	Juba	31,428	▼ 40%	▲ 18%	104.76
Eastern Equatoria					
Budi	Chukudum	31,175	▲ 11%	na	115.46
Kapoeta East	Narus	38,746	▼ 34%	na	129.15
Kapoeta South	Kapoeta	34,548	▼ 5%	na	114.21
Lafon	Imehejek	54,367	na	na	184.29
	Nimule	32,435	▼ 17%	na	103.71
Torit	Torit	52,797	▲ 2%	na	178.97
Jonglei					
Akobo	Akobo	41,175	▼ 16%	► 0%	135.00
Bor South	Bor PoC	30,267	▲ 1%	na	102.60
Fangak	New Fangak	39,755	▼ 55%	na	141.98
Nyirrol	Lankien	27,055	▼ 26%	na	106.10
Pibor	Pibor Town	na	na	na	na
Lakes					
Awerial	Mingkaman	55,610	▲ 3%	▲ 65%	188.51
Rumbek East	Aduel	48,740	▲ 32%	na	165.22
Northern Bahr el Ghazal					
Aweil Centre	Aweil Town	38,487	▲ 8%	na	123.16
Aweil North	Gok-Machar	79,696	▲ 154%	na	270.16
Aweil West	Marial Baai	33,939	▲ 17%	na	115.05
	Nyamlel	37,401	▲ 23%	na	120.65
Unity					
Koch	Koch	47,474	▲ 43%	na	160.93
Panyijjar	Nyal	39,459	▲ 17%	▲ 19%	148.90
Pariang	Ajuong Thok	24,851	▲ 30%	na	84.60
	Pamir	23,343	▲ 27%	na	79.13
Rubkona	Bentiu	46,165	▲ 59%	na	156.49
	Rubkona	48,972	▲ 38%	na	165.31
Upper Nile					
Longochuk	Mathiang	62,069	▼ 27%	na	217.78
	Udier	30,405	▼ 70%	na	105.76
Melut	Melut	32,939	▼ 34%	na	115.58
	Paloich	37,064	▼ 5%	na	128.92
Renk	Renk	41,121	▼ 17%	▲ 22%	139.39
Ulang	Ulang	80,568	▼ 12%	na	393.01
Warrap					
Gogrial West	Kuajok	37,378	▲ 14%	na	126.70
Western Bahr el Ghazal					
Wau	Wau	39,422	▼ 9%	▼ 20%	129.25
Western Equatoria					
Maridi	Maridi	27,849	▲ 4%	▲ 32%	94.40
Yambio	Yambio	50,486	▲ 75%	na	173.34
Overall		38,746	▲ 7%	▲ 15%	131.34

MSSMEB OVER TIME⁵ in SSP



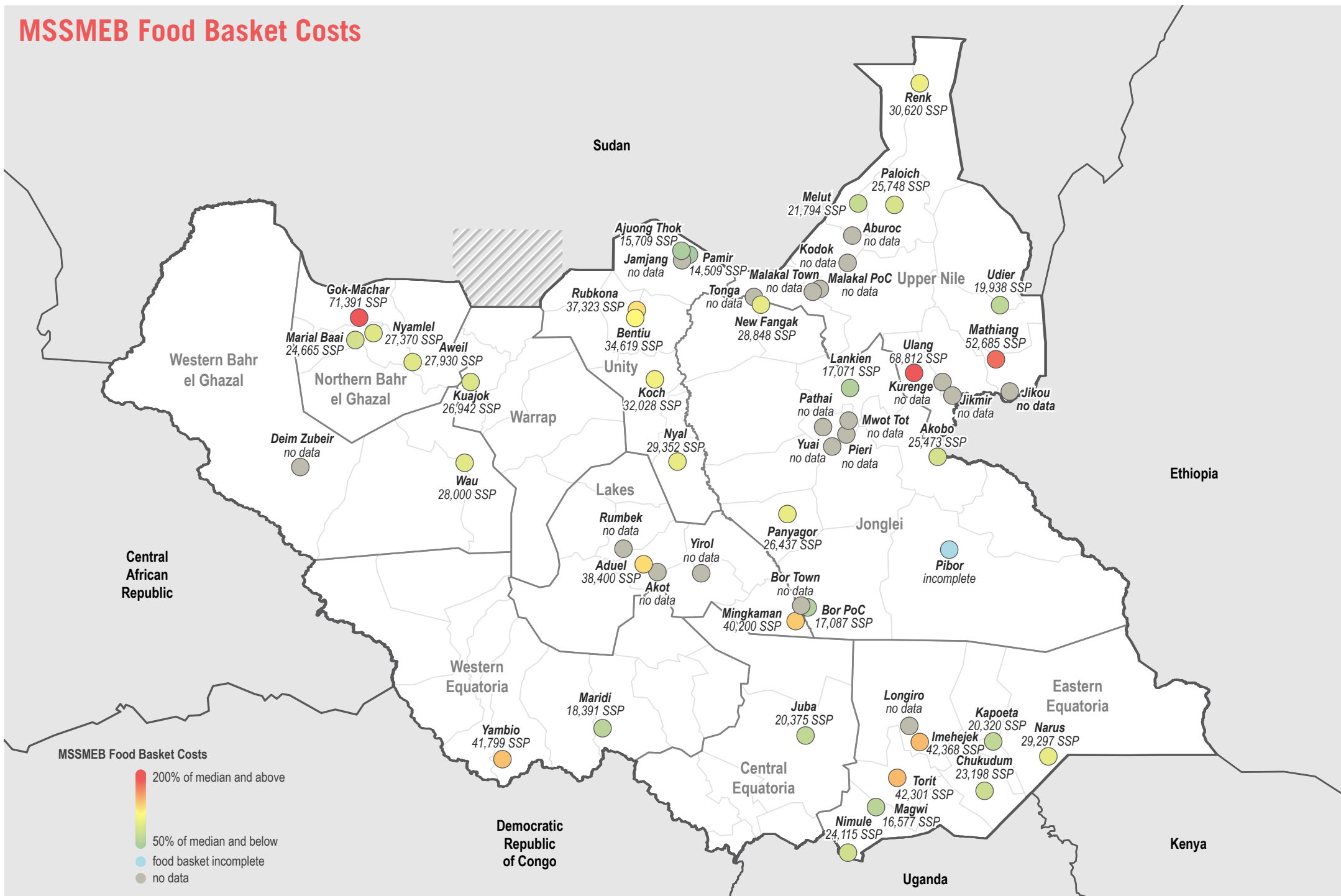
MSSMEB OVER TIME⁵ normalised, August 2019 = 1.00⁶



[†] The food basket was incomplete, or no SSP conversion rate was available. The MSSMEB index is therefore incomplete in Pibor.

⁶ No sorghum nor maize prices were available. The cereal prices from May were imputed to calculate the MSSMEB index in Koch. No alternate cereal prices were available for Pibor, therefore the MSSMEB has been left blank.

MSSMEB Food Basket Costs



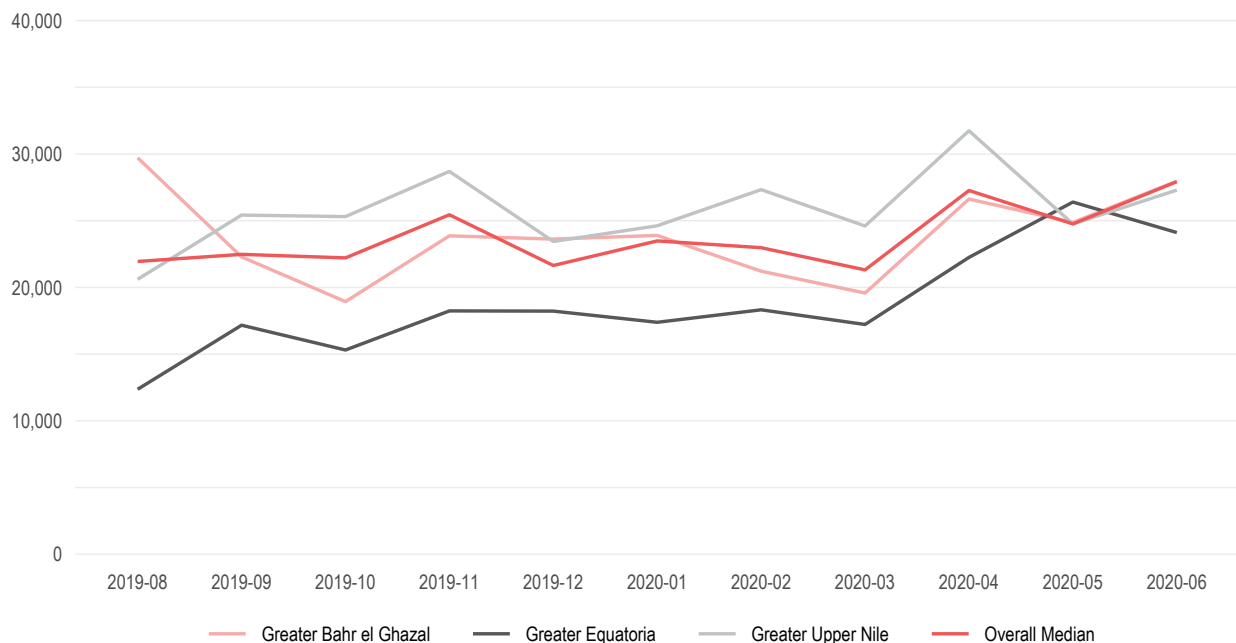
INDICES PER LOCATION

County	Location	MSSMEB food basket in SSP	Change since May 2020	Change since Aug 2019	Food price index* in SSP	Change since May 2020	Change since Aug 2019
Central Equatoria							
Juba	Juba Town	20,375	▼ 52%	▲ 54%	2,325	▼ 35%	▲ 7%
Eastern Equatoria							
Budi	Chukudum	23,198	▲ 23%	na	2,831	▼ 7%	na
Kapoeta East	Narus	29,297	▼ 39%	na	3,652	▲ 10%	na
Kapoeta South	Kapoeta	20,320	▼ 10%	na	3,261	▼ 1%	na
Lafon	Imehejek	42,368	na	na	3,177	na	na
	Nimule	24,115	▼ 21%	na	3,515	▼ 4%	na
Torit	Torit	42,301	▲ 3%	na	2,656	► 0%	na
Jonglei							
Akobo	Akobo	25,473	▼ 24%	▼ 7%	4,277	▼ 1%	▲ 10%
Bor South	Bor PoC	17,087	▼ 8%	na	2,685	▼ 10%	na
Fangak	New Fangak	28,848	▼ 63%	na	4,127	▼ 17%	na
Nyirrol	Lankien	17,071	▼ 35%	na	3,347	▼ 6%	na
Pibor	Pibor	na	na	na	4,522	▲ 33%	na
Lakes							
Awerial	Mingkaman	40,200	▲ 52%	▲ 78%	3,376	▲ 11%	▲ 17%
Rumbek East	Aduel	38,400	▲ 40%	na	2,814	▼ 18%	na
Northern Bahr el Ghazal							
Aweil Centre	Aweil Town	27,930	▲ 8%	na	3,130	► 0%	na
Aweil North	Gok-Machar	71,391	▲ 200%	na	3,510	▲ 20%	na
Aweil West	Marial Baai	24,665	▲ 14%	na	3,243	▲ 19%	na
	Nyamlel	27,370	▲ 28%	na	3,438	▲ 10%	na
Unity							
Koch	Koch	32,028	▲ 68%	na	5,803	► 0%	na
Panyijiar	Nyal	29,352	▲ 19%	▲ 29%	3,209	▼ 5%	▼ 4%
Pariang	Ajuong Thok	15,709	▲ 56%	na	3,507	▲ 21%	na
	Pamir	14,509	▲ 54%	na	3,547	▲ 28%	na
Rubkona	Bentiu	34,619	▲ 89%	na	4,129	▲ 5%	na
	Rubkona	37,323	▲ 52%	na	4,390	▲ 16%	na
Upper Nile							
Longochuk	Mathiang	52,685	▼ 13%	na	2,738	▼ 53%	na
	Udier	19,938	▼ 76%	na	2,679	▼ 60%	na
Melut	Melut	21,794	▲ 3%	na	3,020	▼ 13%	na
	Paloich	25,748	► 0%	na	3,637	▼ 12%	na
Renk	Renk	30,620	▲ 31%	▲ 62%	2,914	▼ 38%	▼ 6%
Ulang	Ulang	68,812	▼ 12%	na	6,137	▲ 1%	na
Warrap							
Gogrial West	Kuajok	26,942	▲ 23%	na	2,485	▲ 3%	na
Western Bahr el Ghazal							
Wau	Wau	28,000	▼ 13%	▼ 26%	3,160	▲ 17%	▲ 18%
Western Equatoria							
Maridi	Maridi	18,391	▲ 13%	▲ 60%	2,874	▲ 3%	▲ 4%
Yambio	Yambio	41,799	▲ 117%	na	3,170	▼ 3%	na
Overall		27,930	▲ 12%	▲ 27%	3,252	▼ 2%	▲ 2%

* 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.

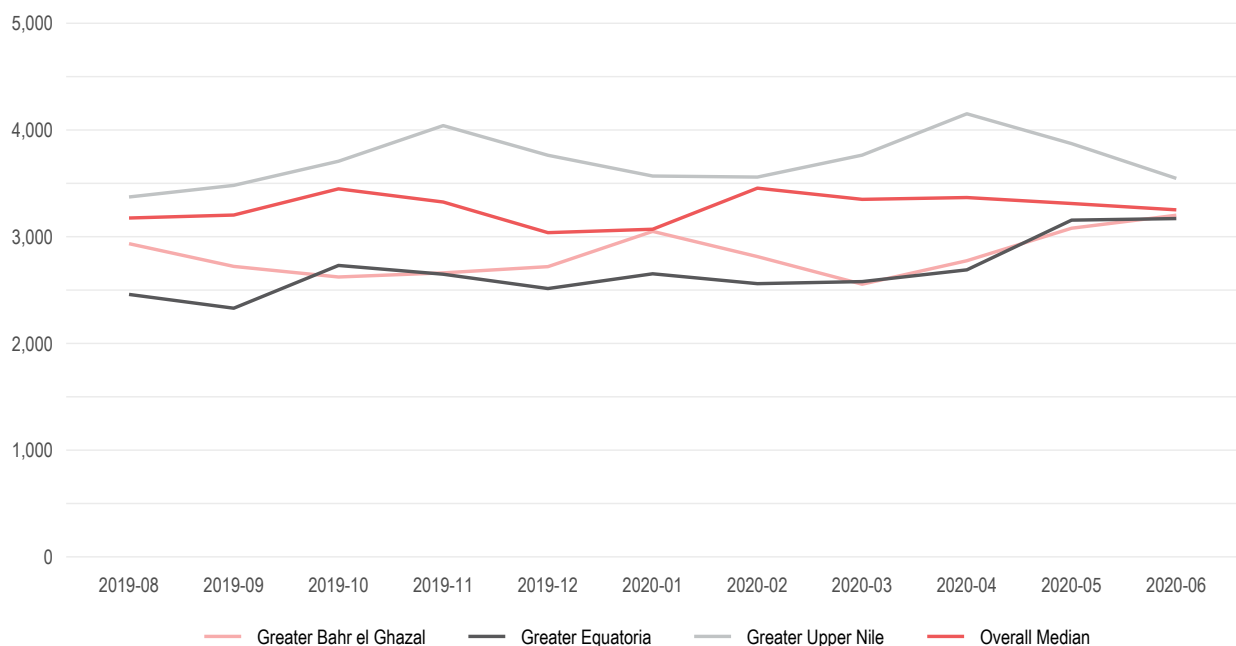
MSSMEB FOOD BASKET OVER TIME⁵

in SSP



FOOD PRICE INDEX OVER TIME⁵

in SSP

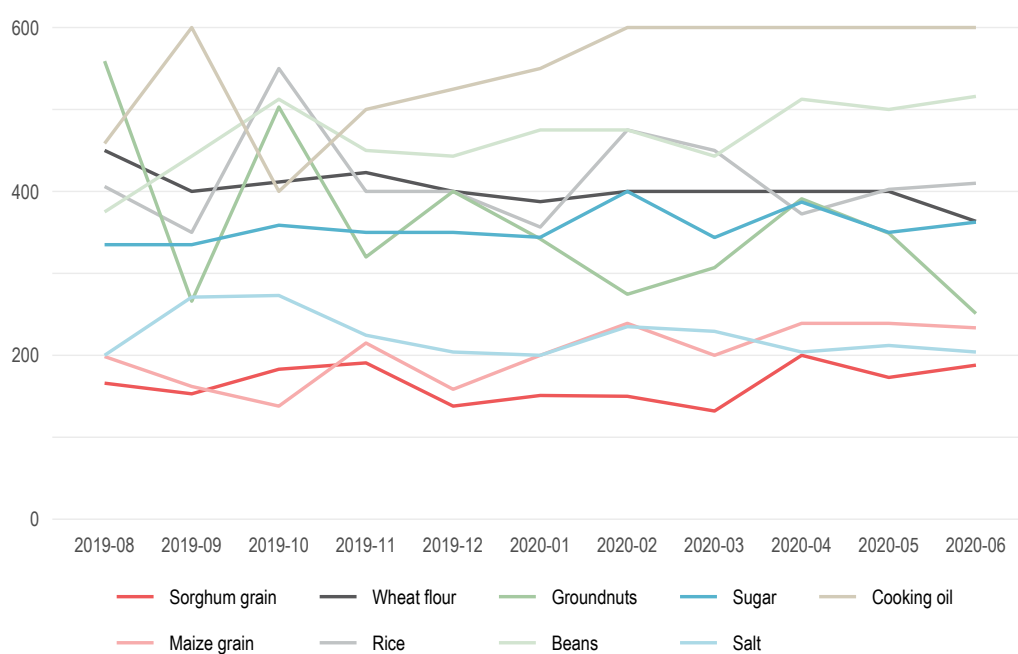


PRICES OF MONITORED ITEMS

Item	Unit	Median price in SSP	Change since May 2020	Change since Aug 2019	Median price in USD
Food Items					
Sorghum grain	1 kg	188	▲ 9%	▲ 13%	0.64
Maize grain	1 kg	234	▼ 2%	▲ 18%	0.79
Wheat flour	1 kg	364	▼ 9%	▼ 19%	1.23
Rice	1 kg	410	▲ 2%	▲ 1%	1.39
Groundnuts (shelled)	1 kg	251	▼ 28%	▼ 55%	0.85
Beans	1 kg	516	▲ 3%	▲ 38%	1.75
Sugar	1 kg	362	▲ 4%	▲ 8%	1.23
Salt	1 kg	204	▼ 4%	▲ 2%	0.69
Cooking oil	1 L	600	► 0%	▲ 31%	2.03
Non-Food Items					
Soap	200 g	96	▲ 5%	▲ 16%	0.33
Jerrycan	1 pc	500	▲ 25%	▲ 11%	1.69
Mosquito net	1 pc	1,500	► 0%	▲ 20%	5.08
Exercise book	1 pc	198	▼ 1%	▼ 1%	0.67
Blanket	1 pc	2,500	▼ 33%	▼ 3%	8.47
Cooking pot	1 pc	3,500	▲ 17%	▲ 32%	11.86
Plastic sheet	1 pc	5,500	▲ 10%	▲ 10%	18.64
Pole	1 pc	738	► 0%	▲ 18%	2.50
Firewood	1 bundle	425	▼ 15%	▲ 70%	1.44
Charcoal	1 kg	77	▲ 29%	▼ 9%	0.26
Livestock Items					
Goat	1 goat	8,000	▼ 20%	▼ 20%	27.12
Chicken	1 chicken	1,275	▼ 12%	▼ 26%	4.32
Services					
Milling costs	1 kg	29	▼ 2%	▲ 222%	0.10
Currencies					
US dollar (USD)	1 USD	295	▲ 2%	► 0%	
Sudanese pound (SDG)	1 SDG	2.7	▼ 5%	▼ 44%	
Ethiopian birr (ETB)	1 ETB	5.4	▼ 39%	► 0%	
Ugandan shilling (UGX)	1 UGX	0.087	▼ 4%	► 0%	
Kenyan shilling (KES)	1 KES	3.2	▼ 2%	► 0%	

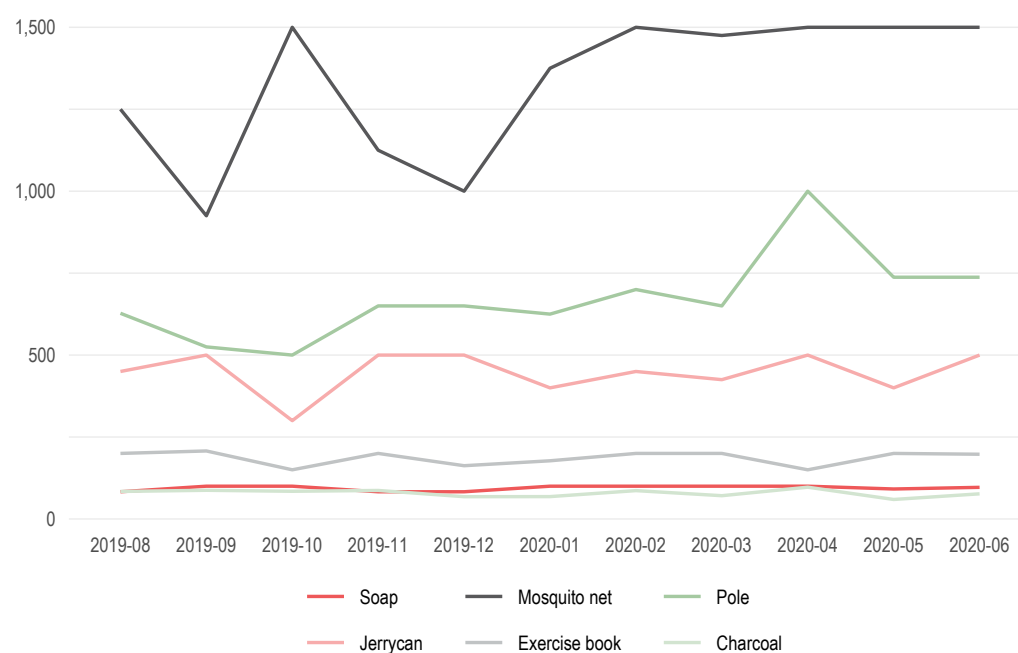
FOOD PRICES OVER TIME

in SSP



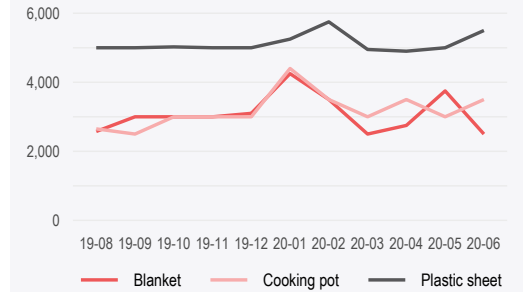
NFI PRICES OVER TIME

in SSP



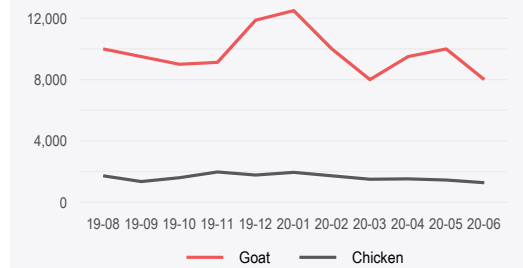
NFI PRICES OVER TIME CONT.

in SSP

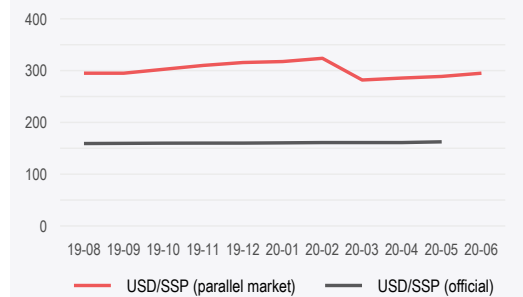


LIVESTOCK PRICES OVER TIME

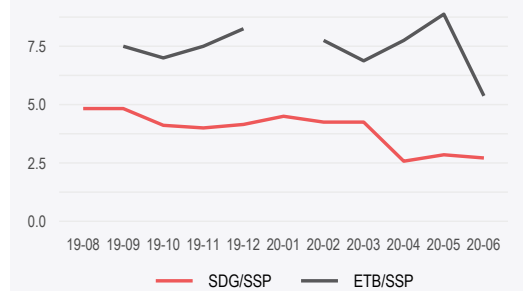
in SSP



USD EXCHANGE RATE OVER TIME



OTHER EXCHANGE RATES OVER TIME (Parallel market rates)

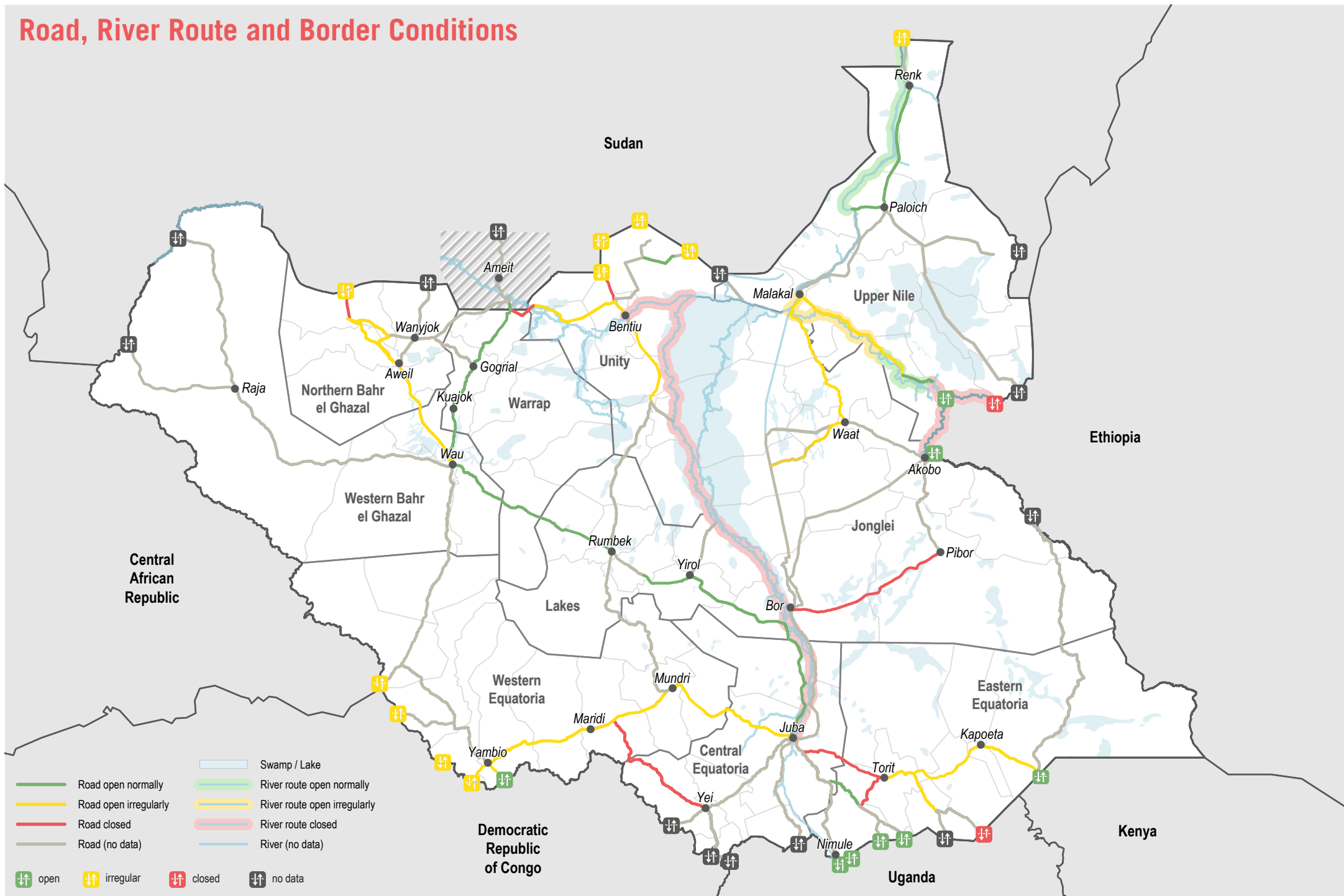


Main NFI Supplies



The map illustrates from where each assessed location is supplied with non-food items. Only the most frequently named non-food supply market connection is shown for each location. Additional linkages and supply routes may exist.

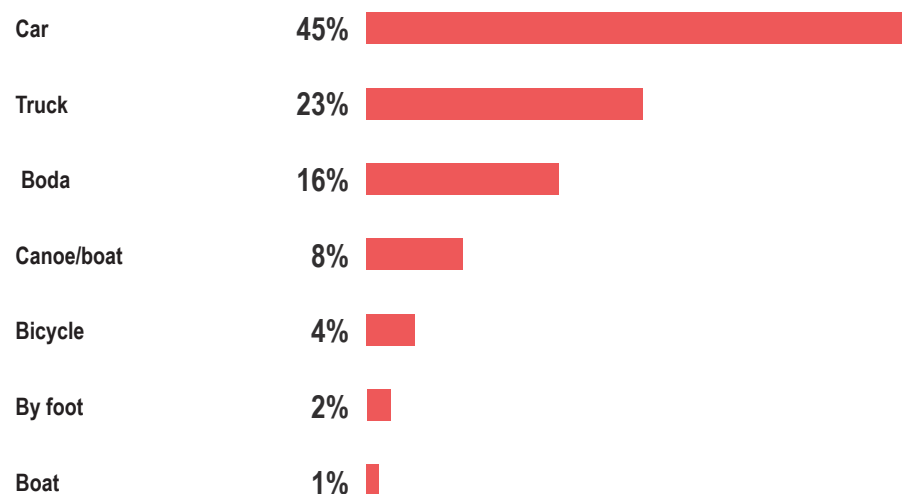
Road, River Route and Border Conditions



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



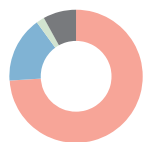
2 days

median time to restock locally produced cereals from out of town



24% of traders reported restocking NFIs from a wholesaler in town

74% of food traders expect price increases



16% of food traders do not expect price changes

2% of food traders expect price decreases

8% of food traders do not have any price expectations

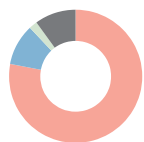
5 days

median time to restock NFIs from out of town



60% of staple cereal traders reported restocking from a local producer

78% of non-food traders expect price increases

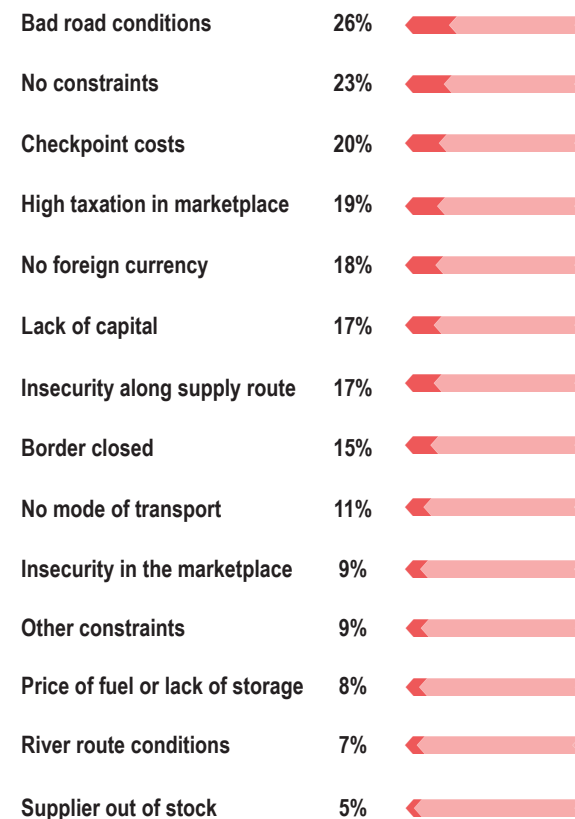


10% of non-food traders do not expect price changes

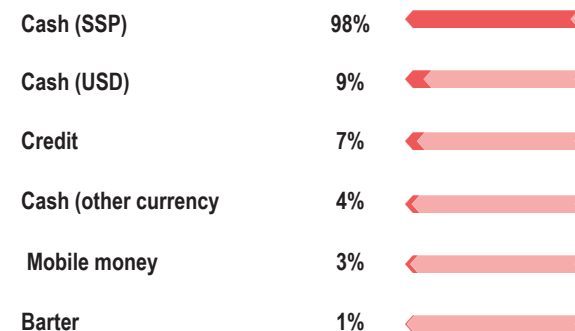
2% of non-food traders expect price decreases

10% of non-food traders do not have any price expectations

Reported restocking constraints*



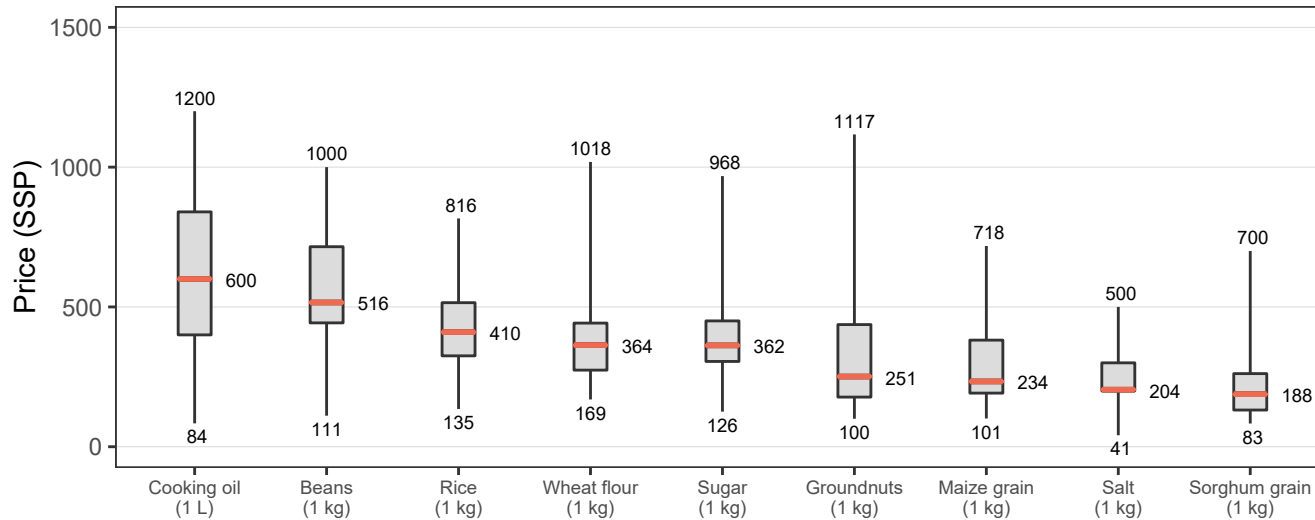
Accepted payment modalities*



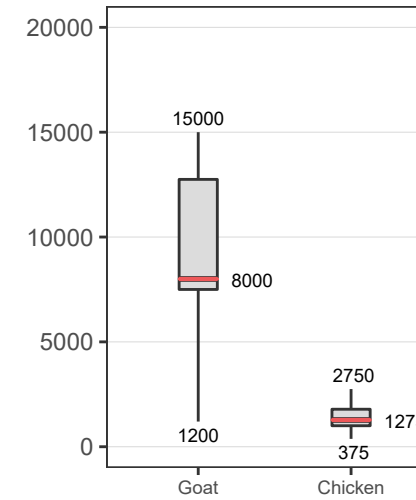
* Values do not add up to 100% as traders were allowed to select multiple options.

Distribution of Prices

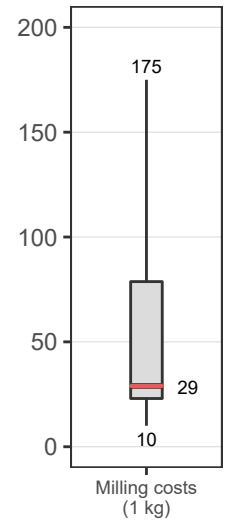
Food Items



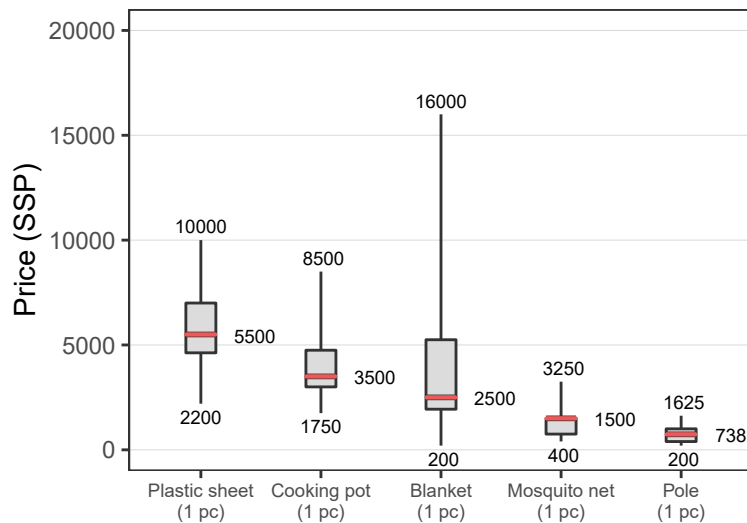
Livestock



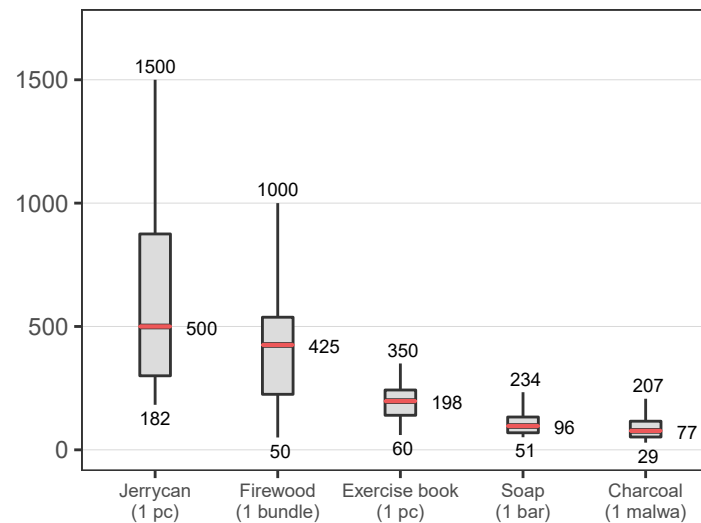
Services



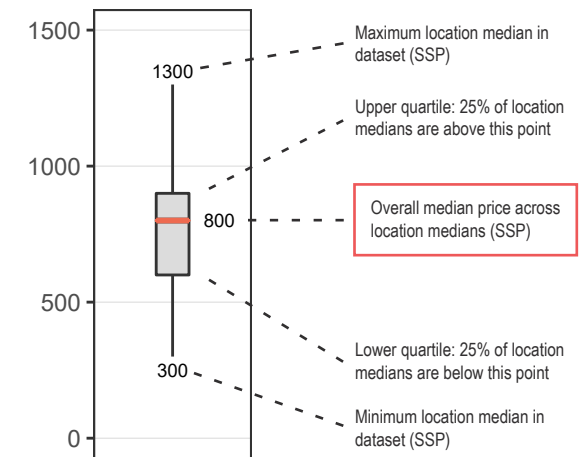
Non-Food Items



Non-Food Items 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 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 duration to restock local staple cereals	Median duration to restock imported food items	Median duration to restock NFIs
Eastern Equatoria																				
Juba	Juba	15	15	26	16	14	18	18	60	14	16	na	na	na	na	na	na	na	na	na
Budi	Chukudum	30	60	30	45	30	60	30	86	60	60	30	60	na	60	30	60	na	3	3
Kapoeta East	Narus	21	21	14	14	14	30	14	15	14	11	30	30	45	60	150	45	2	3	3
Kapoeta South	Kapoeta	3	3	3	3	2	4	3	6	4	7	4	3	7	5	9	5	1	5	7
Lafon	Imehejek	21	na	na	21	7	na	30	28	30	18	na	na	na	na	na	na	5	7	7
	Nimule	5	10	25	11	14	14	11	21	18	26	60	21	21	21	22	18	na	3	2
Torit	Torit Town	54	30	30	30	25	21	28	21	28	63	150	180	165	150	225	225	na	28	20
Jonglei																				
Akobo	Akobo	14	na	30	29	na	na	21	25	15	22	6	7	na	na	na	14	na	60	15
Bor South	Bor PoC	14	na	6	11	14	6	14	30	14	22	na	60	60	na	na	na	na	1	1
Fangak	New Fangak	14	21	11	5	na	na	18	45	7	30	na	na	na	na	na	na	6	6	6
Nyirrol	Lankien	7	na	14	14	na	11	14	14	14	14	21	11	na	na	14	na	na	5	4
Pibor	Pibor	na	na	28	6	28	5	28	21	na	4	2	13	3	na	na	28	na	na	4
Lakes																				
Averial	Mingaman	30	7	7	19	na	19	19	7	7	19	22	30	45	30	30	30	na	4	5
RumbekEast	Aduel	na	19	16	14	na	21	15	30	11	12	na	na	105	na	na	na	10	7	15
Northern Bahr el Ghazal																				
Aweil Centre	Aweil Town	2	1	6	14	4	14	6	8	6	6	26	11	60	30	22	14	na	5	7
Aweil North	Gok-Machar	4	na	30	21	5	na	45	29	22	45	7	na	90	na	na	na	2	3	1
Aweil West	Marial Baai	18	na	21	21	3	14	14	26	21	30	na	na	na	na	na	na	1	na	na
Aweil West	Nyamlel	2	na	5	8	2	10	2	11	4	5	na	5	na	na	14	11	2	7	7
Unity																				
Koch	Koch Town	na	na	26	23	na	60	38	40	30	26	na	na	20	na	na	na	na	1	1
Panyijiar	Nyal	45	11	30	14	na	11	18	18	26	26	37	na	90	na	na	na	30	30	30
Pariang	Ajuong Thok	7	na	21	30	25	28	18	30	18	18	14	14	30	14	na	na	na	16	23
	Pamir RC	18	na	21	30	25	21	14	30	21	18	na	21	30	28	na	na	3	na	2
Rubkona	Bentiu	14	9	14	21	14	18	18	14	14	18	14	14	30	21	21	11	1	5	5
	Rubkona	21	14	21	21	21	18	21	14	14	13	11	14	26	18	21	10	na	5	5
Upper Nile																				
Longochuk	Mathiang	37	14	18	14	na	na	14	37	22	14	na	na	na	na	na	na	na	8	8
	Udier	14	14	14	14	na	na	14	na	14	14	na	na	na	na	na	na	14	8	8
Melut	Melut Town	10	na	12	15	7	na	9	7	11	10	21	15	18	28	21	18	1	na	1
	Paloich	14	na	14	14	14	21	14	14	14	14	21	14	21	21	15	21	1	na	1
Renk	Renk Town	12	na	4	3	21	25	6	33	5	6	21	25	60	60	75	41	na	6	5
Ulang	Ulang Town	21	60	26	30	na	na	30	26	21	30	na	30	na	30	na	30	na	5	na
Warrap																				
Gogrial West	Kuajok	41	60	14	14	21	35	18	90	7	57	60	18	98	35	35	42	1	1	1
Western Bahr el Ghazal																				
Wau	Wau	30	45	21	18	75	30	21	30	21	21	60	60	75	45	60	60	na	13	8
Western Equatoria																				
Maridi	Maridi Town	22	21	90	60	60	na	105	90	60	90	na	90	180	na	90	90	na	na	38
Yambio	Yambio Town	na	7	na	14	2	14	7	14	7	1	1	na	na	na	na	na	1	20	30

na : no stock level data available

: none of the interviewed traders are currently 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**
- **Cordaid**
- **DCA** – *Danish Church Aid*
- **DRC** – *Danish Refugee Council*
- **GOAL**
- **HARD** – *Hope Agency for Relief and Development*
- **IOM** – *International Organization for Migration*
- **Maltester** - *International*
- **IRC** – *International Rescue Committee*
- **NRDC** – *National Relief and Development Corps*
- **Nile Hope**
- **Oxfam**
- **PAH** – *Polish Humanitarian Action*
- **Plan international**
- **REACH Initiative**
- **Save the Children**
- **SPEDP** – *Support for Peace and Education Development Programme*

JMMI OUTPUTS

Factsheets

2020

May
April
March
February
January

Datasets

May
April
March
February
January

2019

December
November
October
September
August

December
November
October
September
August

- **Tearfund**
- **UNICEF** – *United Nations Children's Fund*
- **UNKEA** – *Universal Network for Knowledge & Empowerment Agency*
- **World Vision**
- **Welthungerhilfe (WHH)**

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, June 10). Retrieved from www.bankofsouthsudan.org. The rates from 10 June, were used for the calculation of the monthly change.

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.