

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 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

36,162 SSP

▲ 1,491 SSP +4%*

Cost of food basket²

25,449 SSP

▲ 3,234 SSP +15%*

USD/SSP (parallel market)³

310

▲ 7 SSP +2%*

USD/SSP (official)⁴

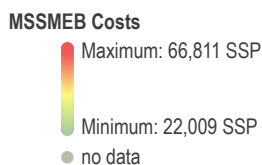
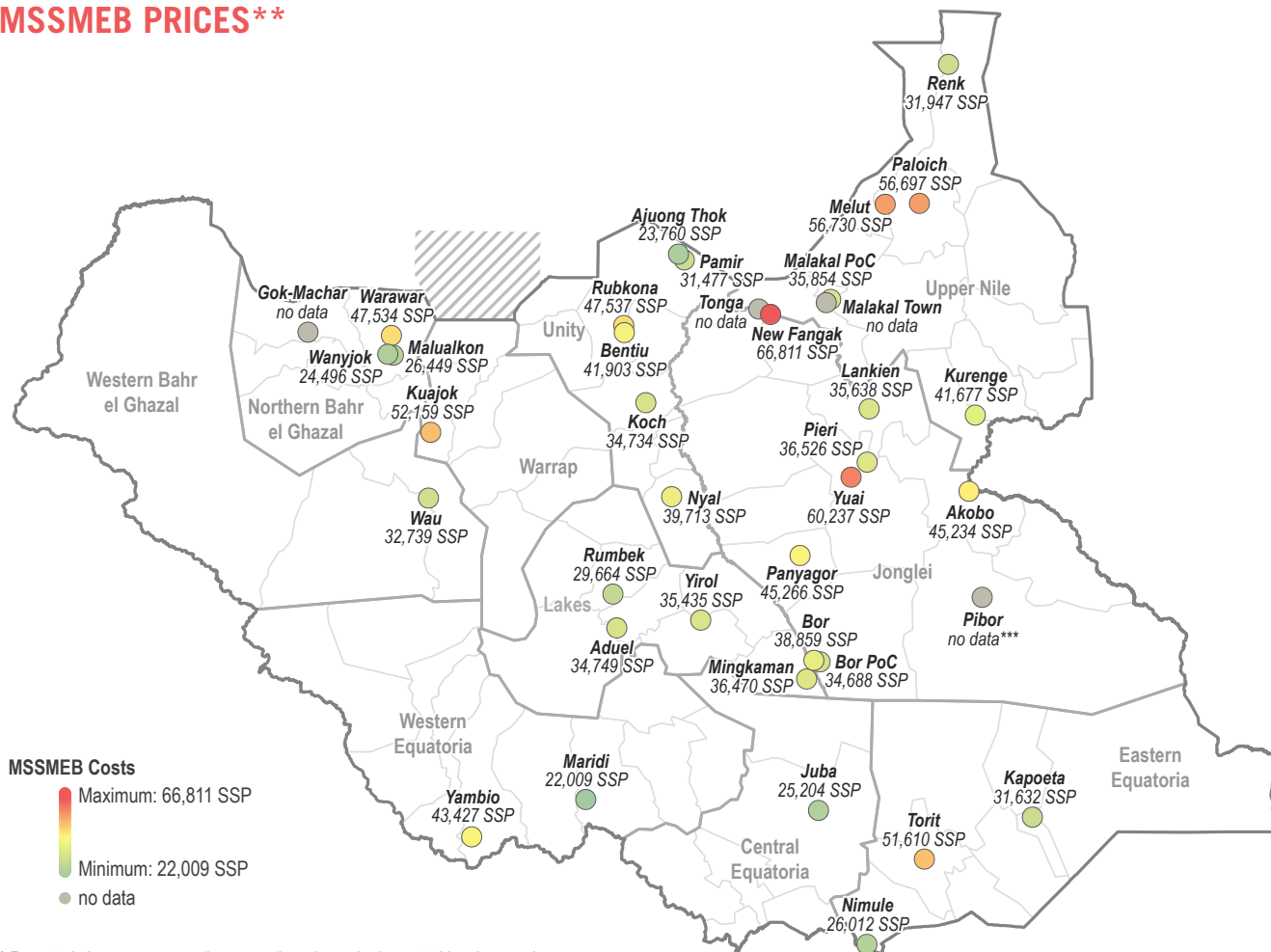
160

▲ 0.1 SSP +0.1%*

PARTICIPATING AGENCIES

- ACTED
- CARE
- Cordaid
- DCA
- DRC
- GOAL
- IOM
- IRC
- Nile Hope
- NRDC
- Oxfam
- PAH
- Plan
- REACH
- Save the Children
- SPEDP
- Tearfund
- UNICEF
- UNKEA
- World Vision

MSSMEB PRICES**



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

** Coverage depends on the interest and capacity of the contributing partner agencies. Coverage will be expanded in upcoming rounds.

*** Data collection was suspended in Pibor due to the recent floodings.

20 participating agencies

34 assessed locations

57 assessed marketplaces

1,471 key informants

21 assessed commodities

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)

36,162 SSP

Change since Oct 2019:

▲ 1,491 SSP +4%

Change since Aug 2019:

▲ 2,344 SSP +7%

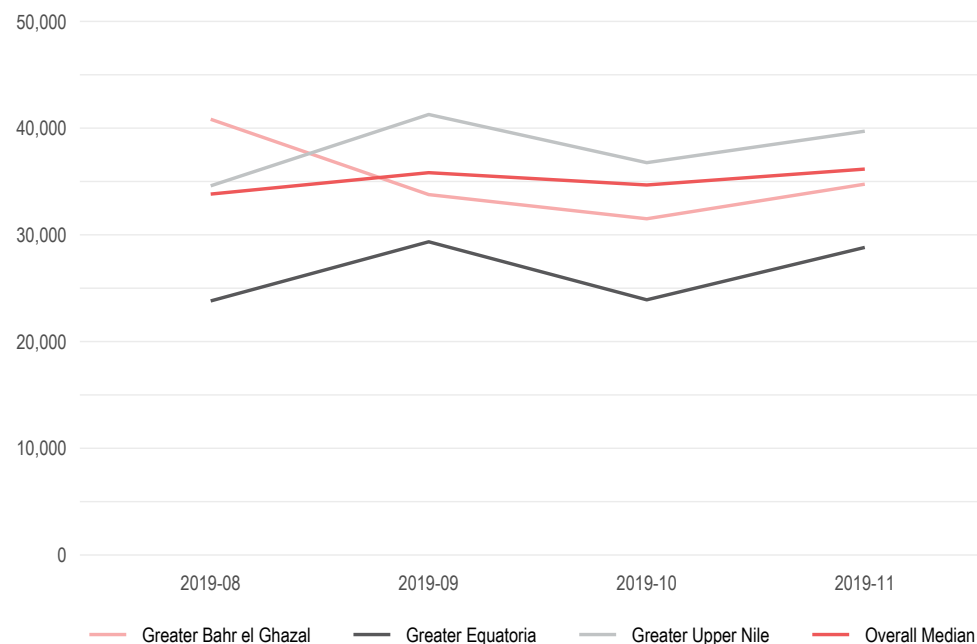
MSSMEB PER LOCATION

County	Location	MSSMEB key items (in SSP)	Change since Oct 2019	Change since Aug 2019
Central Equatoria				
Juba	Juba	25,204	▲ 5%	▼ 5%
Eastern Equatoria				
Kapoeta South	Kapoeta	31,632	▼ 9%	na
Magwi	Nimule	26,012	▲ 9%	na
Torit	Torit	51,610	na	na
Jonglei				
Akobo	Akobo	45,234	▲ 20%	▲ 10%
Bor South	Bor Town	38,859	▲ 31%	▲ 10%
	Bor PoC	34,688	na	na
Fangak	New Fangak	66,811	na	na
Nyirrol	Lankien	35,638	na	na
Twic East	Panyagor	43,266	▼ 2%	▲ 18%
Uror	Pieri	36,526	▲ 5%	na
	Yuai	60,237	▲ 8%	▲ 99%
Lakes				
Awerial	Mingkaman	36,470	▼ 5%	▲ 8%
Rumbek Centre	Rumbek	29,664	na	na
Rumbek East	Aduel	34,749	na	na
Yirol West	Yirol	35,435	na	▼ 26%
Northern Bahr el Ghazal				
Aweil East	Malualkon	26,449	na	na
	Wanyjok	24,496	▼ 1%	▼ 22%
	Warawar	47,534	na	na
Unity				
Koch	Koch	34,734	▲ 14%	na
Panyijiar	Nyal	39,713	▼ 9%	▲ 20%
Pariang	Ajuong Thok	23,760	▼ 35%	na
	Pamir	31,477	▼ 17%	na
Rubkona	Bentiu	41,903	▲ 14%	na
	Rubkona	47,537	na	na
Upper Nile				
Nasir	Kurenge	41,677	na	na
Malakal	Malakal PoC	35,854	▲ 9%	na
Melut	Melut	56,730	▲ 82%	na
	Paloich	56,697	▲ 85%	na
Renk	Renk	31,947	► 0%	▼ 6%
Warrap				
Gogrial West	Kuajok	52,159	na	na
Western Bahr el Ghazal				
Wau	Wau	32,739	▲ 4%	▼ 33%
Western Equatoria				
Maridi	Maridi	22,009	▲ 8%	▲ 4%
Yambio	Yambio	43,427	na	na
Overall		36,162	▲ 4%	▲ 7%

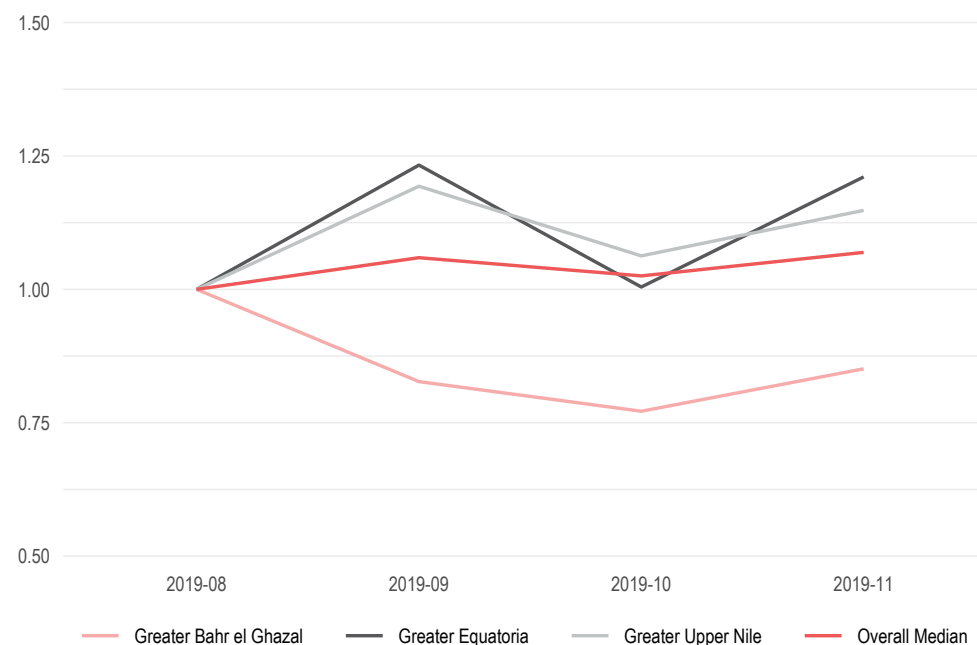
¹ No sorghum nor maize prices were available in Panyagor. The prices from the previous month were imputed to calculate the MSSMEB index.

MSSMEB OVER TIME⁵

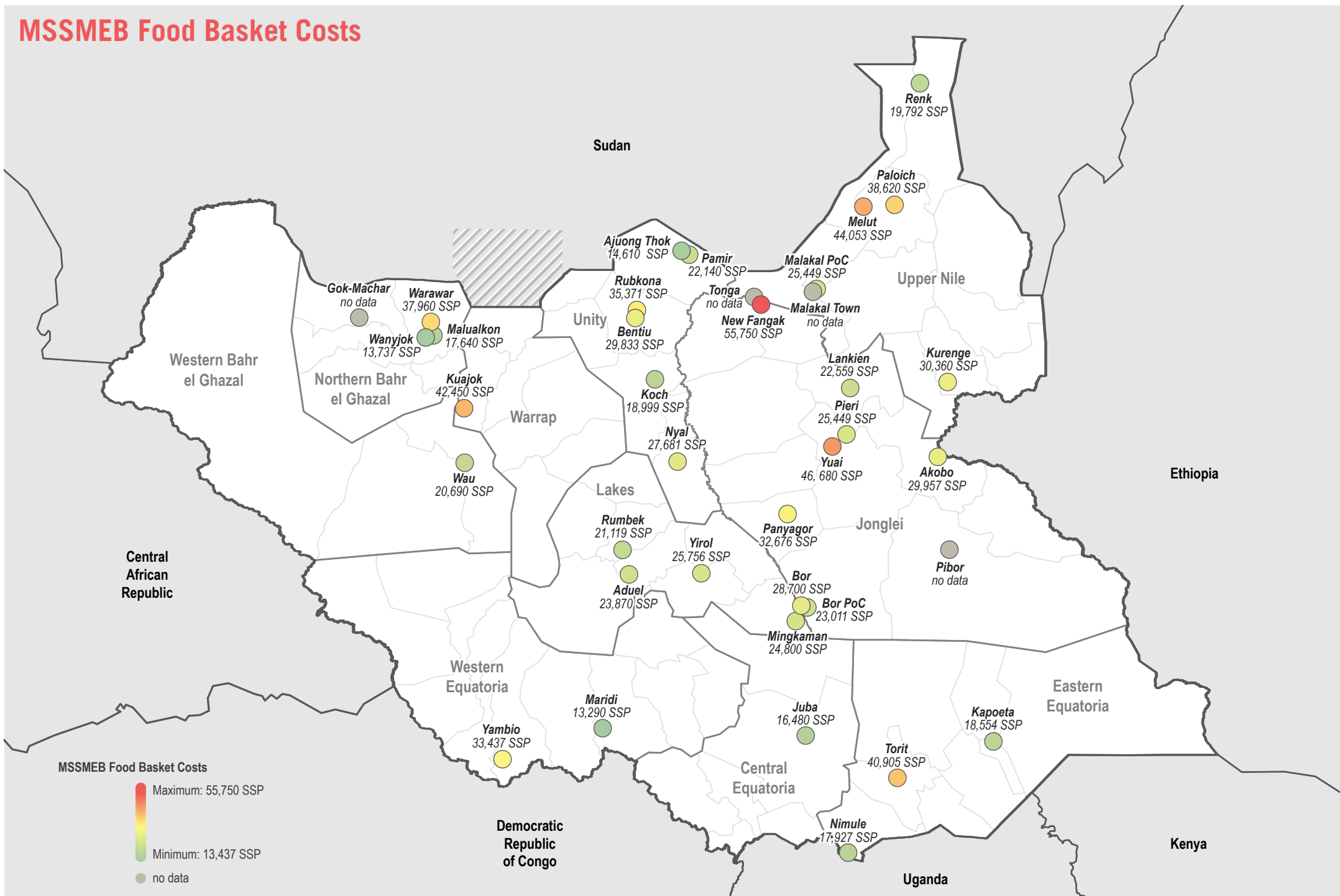
in SSP



MSSMEB OVER TIME⁵ normalised, August 2019 = 1.00⁶



MSSMEB Food Basket Costs

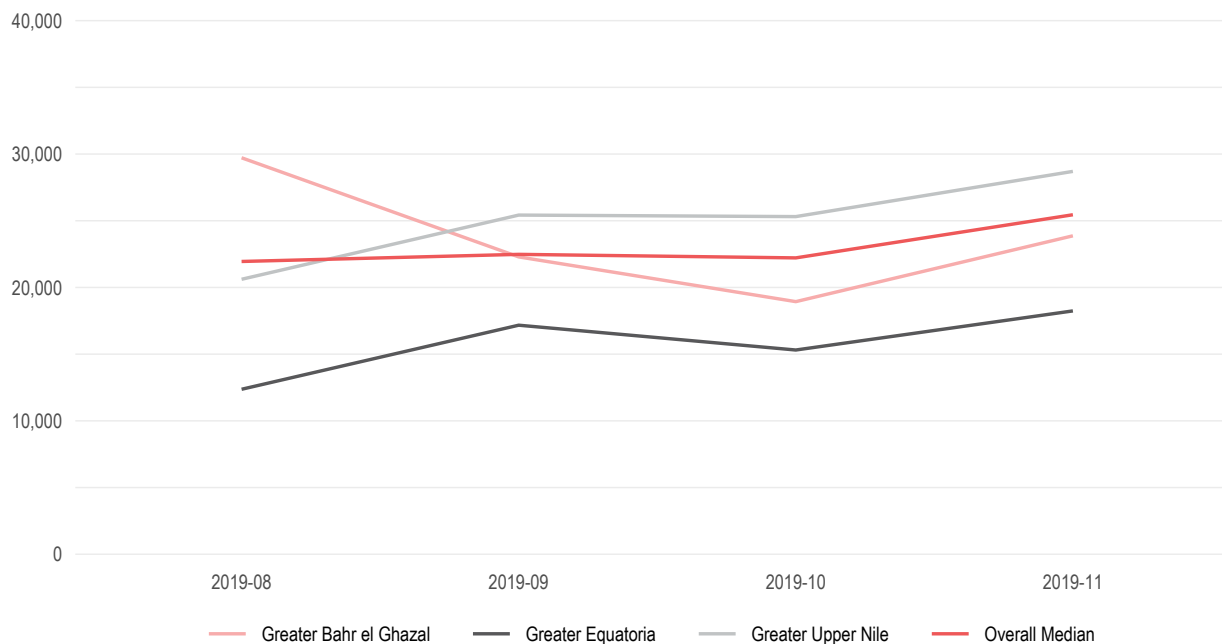


INDICES PER LOCATION

County	Location	MSSMEB food basket (in SSP)	Change since Oct 2019	Change since Aug 2019	Food price index† (in SSP)	Change since Oct 2019	Change since Aug 2019
Central Equatoria							
Juba	Juba	16,480	▲ 11%	▲ 25%	2,243	▼ 14%	▲ 4%
Eastern Equatoria							
Kapoeta South	Kapoeta	18,554	▼ 14%	na	3,401	▲ 10%	na
Magwi	Nimule	17,927	▲ 14%	na	2,536	▼ 11%	na
Torit	Torit	40,905	na	na	2,844	na	na
Jonglei							
Akobo	Akobo	29,957	▲ 35%	▲ 10%	4,720	▲ 7%	▲ 23%
Bor South	Bor Town	28,700	▲ 52%	▲ 30%	2,826	▲ 4%	▼ 13%
	Bor PoC	23,011	na	na	2,515	na	na
Fangak	New Fangak	55,750	na	na	4,365	na	na
Nyiröl	Lankien	22,559	na	na	4,012	na	na
Twic East	Panyagor	32,676	▼ 2%	▲ 71%	4,033	▲ 11%	▲ 40%
Uror	Pieri	25,449	▲ 3%	na	6,025	▲ 67%	na
	Yuai	46,680	▲ 1%	▲ 147%	6,381	▲ 9%	▲ 39%
Lakes							
Awerial	Mingkaman	24,800	▼ 6%	▲ 10%	3,139	▲ 1%	▲ 9%
Rumbek Centre	Rumbek	21,119	na	na	2,661	na	na
Rumbek East	Aduel	23,870	na	na	2,477	na	na
Yirol West	Yirol	25,756	na	▼ 30%	2,904	na	▼ 34%
Northern Bahr el Ghazal							
Aweil East	Maluaklon	17,640	na	na	2,876	na	na
	Wanyjok	13,737	▼ 15%	▼ 37%	2,108	▼ 20%	▼ 29%
	Warawar	37,960	na	na	2,585	na	na
Unity							
		37,960					
Koch	Koch	18,999	▲ 15%	na	4,797	▲ 4%	na
Panyijiar	Nyal	27,681	▲ 2%	▲ 22%	4,022	▲ 11%	▲ 20%
Pariang	Ajuong Thok	14,610	▼ 46%	na	3,312	▼ 4%	na
	Pamir	22,140	▼ 22%	na	4,041	▲ 1%	na
Rubkona	Bentiu	29,833	▲ 15%	na	4,550	▼ 3%	na
	Rubkona	35,371	na	na	4,753	na	na
Upper Nile							
Nasir	Kurenge	30,360	na	na	3,651	na	na
Malakal	Malakal PoC	25,449	▲ 19%	na	4,125	▲ 6%	na
Melut	Melut	44,053	▲ 92%	na	4,721	▲ 10%	na
	Paloich	38,620	▲ 88%	na	3,338	▼ 3%	na
Renk	Renk	19,792	▲ 1%	▲ 5%	3,412	▲ 3%	▲ 10%
Warrap							
Gogrial West	Kuajok	42,450	na	na	3,145	na	na
Western Bahr el Ghazal							
Wau	Wau	20,690	▲ 9%	▼ 45%	2,500	▼ 2%	▼ 6%
Western Equatoria							
Maridi	Maridi	13,290	▲ 13%	▲ 15%	2,506	▲ 9%	▼ 9%
Yambio	Yambio	33,437	na	na	2,762	na	na
Overall		25,449	▲ 15%	▲ 16%	3,325	▼ 4%	▲ 5%

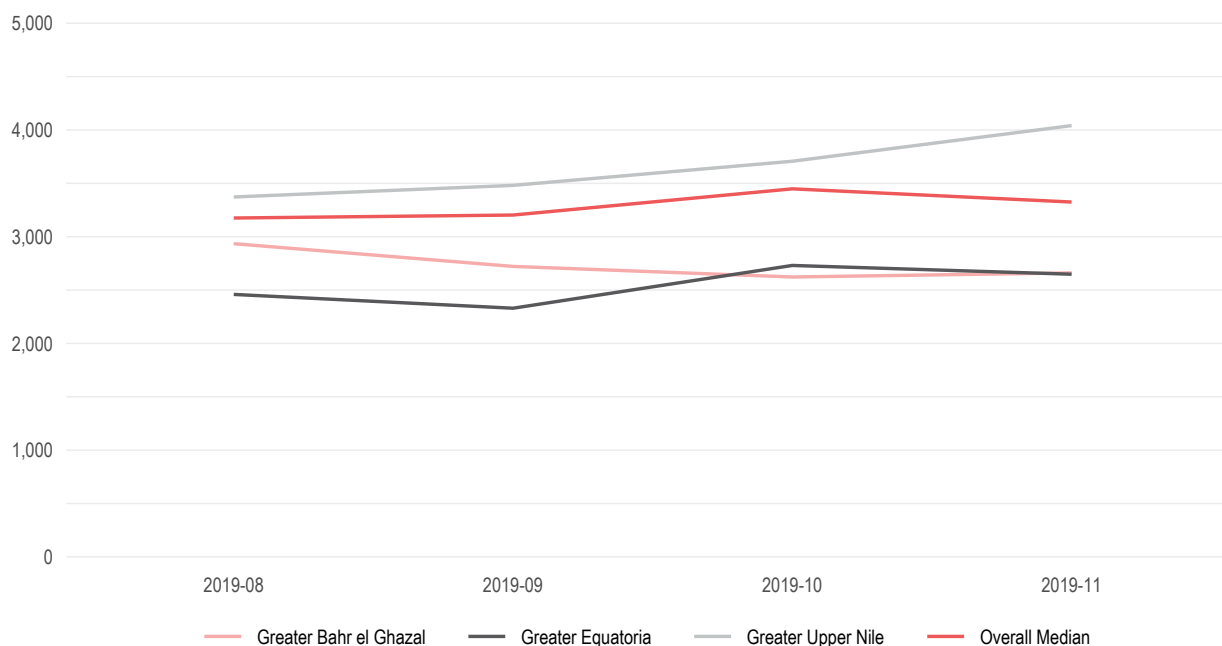
MSSMEB FOOD BASKET OVER TIME⁵

in SSP



FOOD PRICE INDEX OVER TIME⁵

in SSP

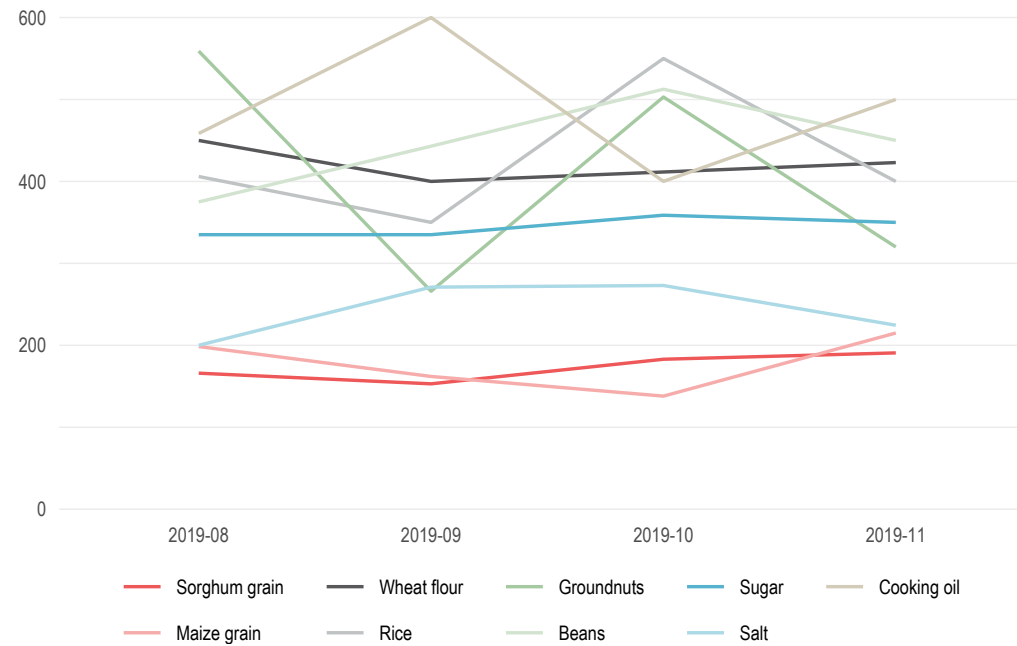


PRICES OF MONITORED ITEMS

Item	Unit	Median price (SSP)	Change since Oct 2019	Change since Aug 2019
Food Items				
Sorghum grain	1 kg	191	▲ 4%	▲ 15%
Maize grain	1 kg	215	▲ 56%	▲ 8%
Wheat flour	1 kg	423	▲ 3%	▼ 6%
Rice	1 kg	400	▼ 27%	▼ 1%
Groundnuts (shelled)	1 kg	320	▼ 36%	▼ 43%
Beans	1 kg	450	▼ 12%	▲ 20%
Sugar	1 kg	350	▼ 2%	▲ 4%
Salt	1 kg	225	▼ 18%	▲ 12%
Cooking oil	1 L	500	▲ 25%	▲ 9%
Non-Food Items				
Soap	200 g	83	▼ 17%	► 0%
Jerrycan	1 pc	500	▲ 67%	▲ 11%
Mosquito net	1 pc	1,125	▼ 25%	▼ 10%
Exercise book	1 pc	200	▲ 33%	► 0%
Blanket	1 pc	3,000	► 0%	▲ 17%
Cooking pot	1 pc	3,000	► 0%	▲ 13%
Plastic sheet	1 pc	5,000	► 0%	► 0%
Pole	1 pc	650	▲ 30%	▲ 4%
Firewood	1 bundle	250	▼ 44%	► 0%
Charcoal	1 kg	87	▲ 3%	▲ 4%
Livestock Items				
Goat	1 goat	9,125	▲ 1%	▼ 9%
Chicken	1 chicken	1,975	▲ 23%	▲ 14%
Services				
Milling costs	1 kg	23	▼ 8%	▲ 156%
Unskilled casual labor	daily rate	500	na	na
Currencies				
US dollar (USD)	1 USD	310	▲ 2%	▲ 5%
Sudanese pound (SDG)	1 SDG	4.0	▼ 3%	▼ 17%
Ethiopian birr (ETB)	1 ETB	7.5	▲ 7%	► 0%
Ugandan shilling (UGX)	1 UGX	0.090	▼ 7%	► 0%
Kenyan shilling (KES)	1 KES	3.3	▲ 13%	na

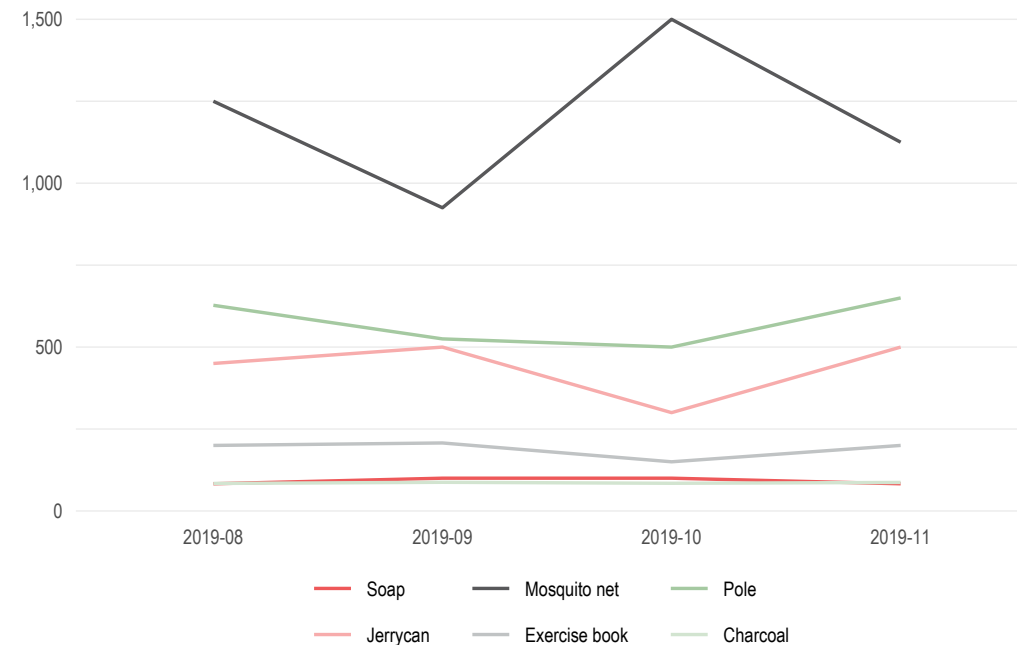
FOOD PRICES OVER TIME

in SSP



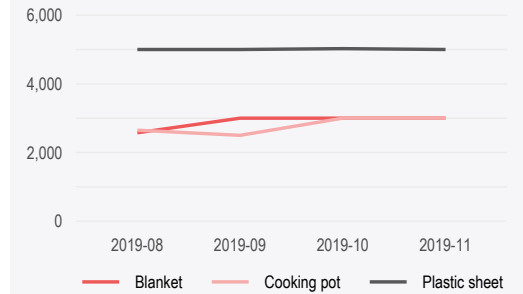
NFI PRICES OVER TIME

in SSP



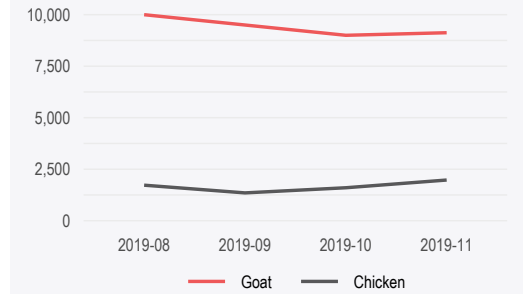
NFI PRICES OVER TIME CONT.

in SSP

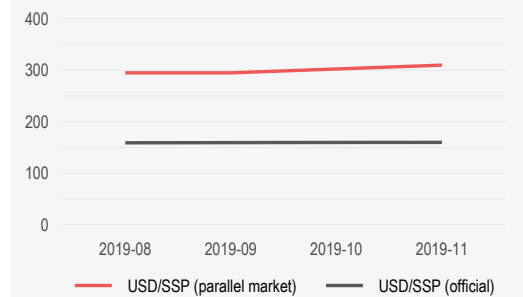


LIVESTOCK PRICES OVER TIME

in SSP

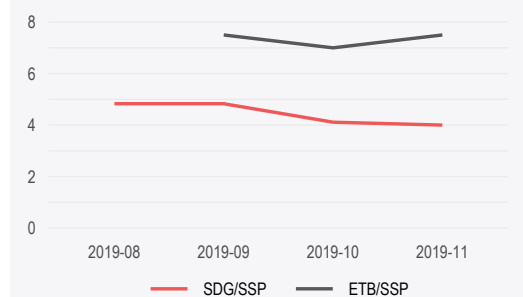


USD EXCHANGE RATE OVER TIME



OTHER EXCHANGE RATES OVER TIME

(Parallel market rates)

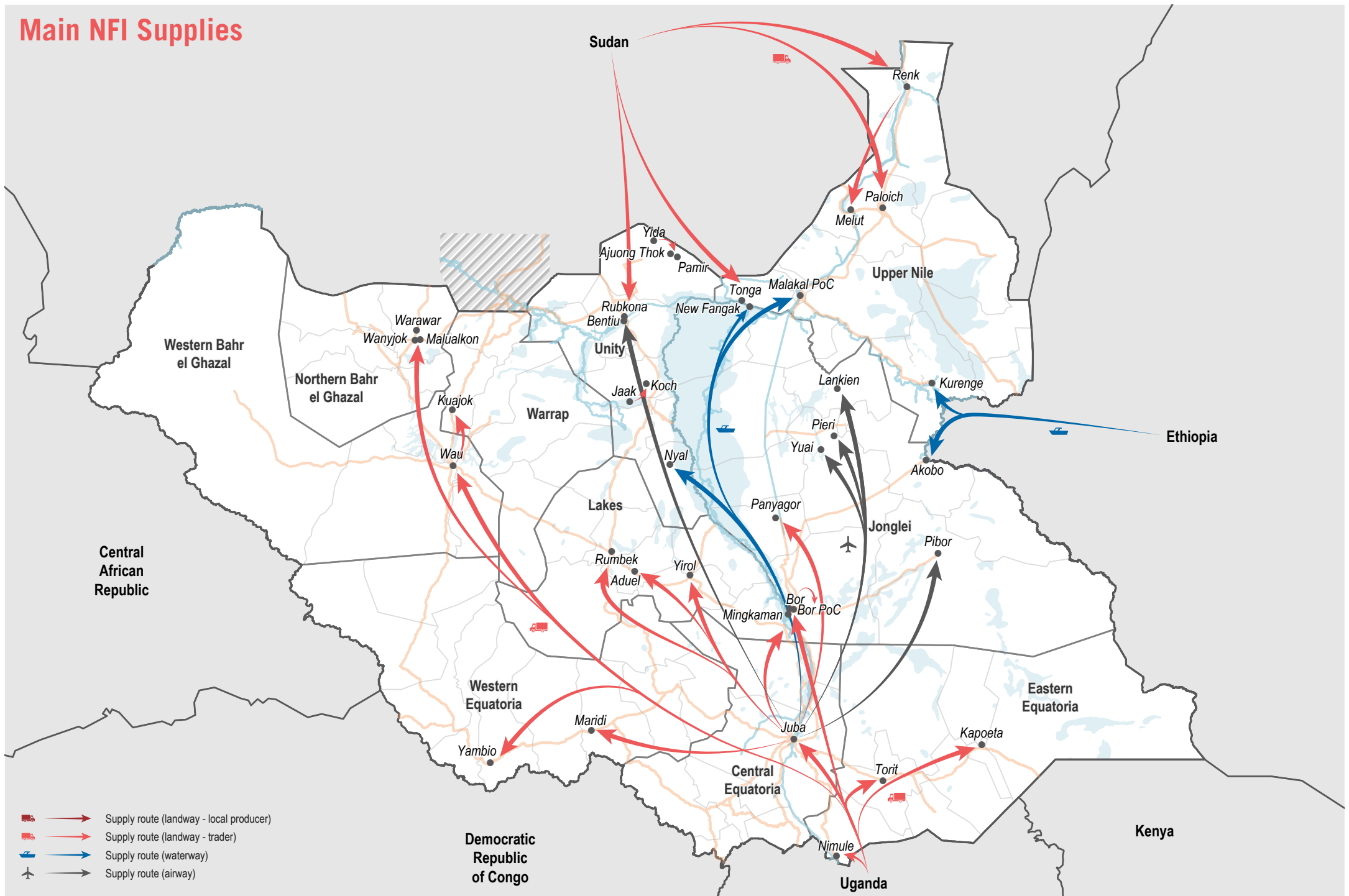


Main Food Supplies



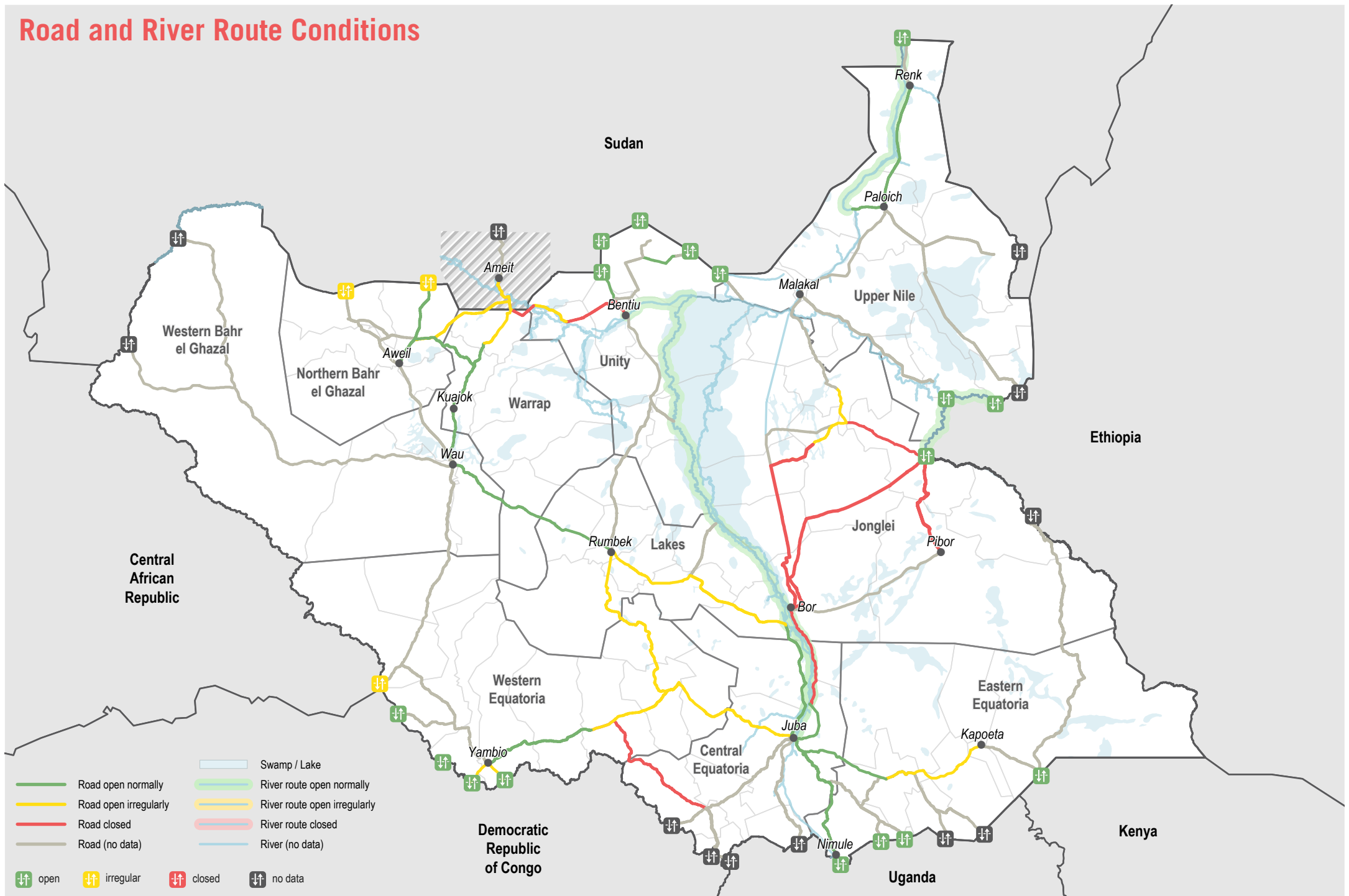
The map illustrates from where each assessed location is supplied with food items. Only the most frequently named food supply market connection is shown for each location. Additional linkages and supply routes may exist.

Main NFI Supplies



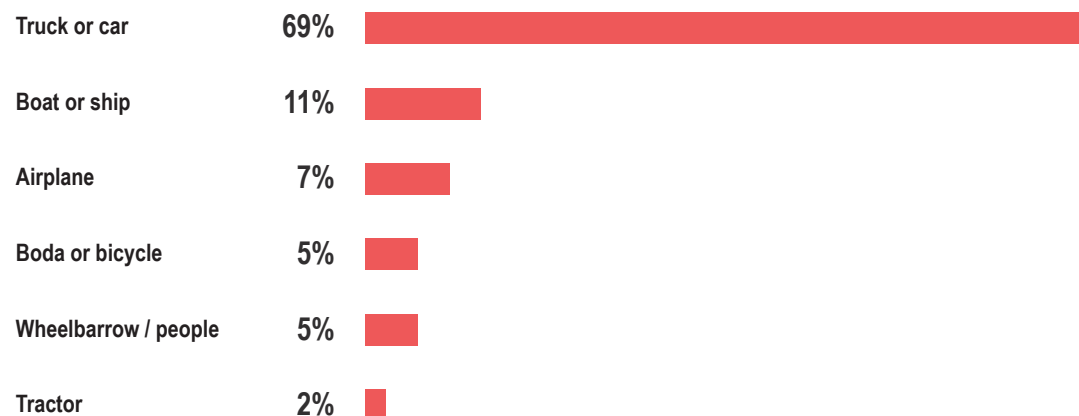
The map illustrates from where each assessed location is supplied with non-food items. Only the most frequently named non-food supply market connection is shown for each location. Additional linkages and supply routes may exist.

Road and River Route 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.

Primary modes of transport for restocking reported by traders



7 days

median time to restock food items from out of town

7 days

median time to restock non-food items from out of town

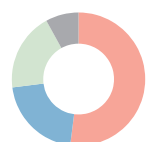


31% of traders reported restocking from a wholesaler in town



31% of food traders reported restocking from a local producer

Price expectations (3 months)

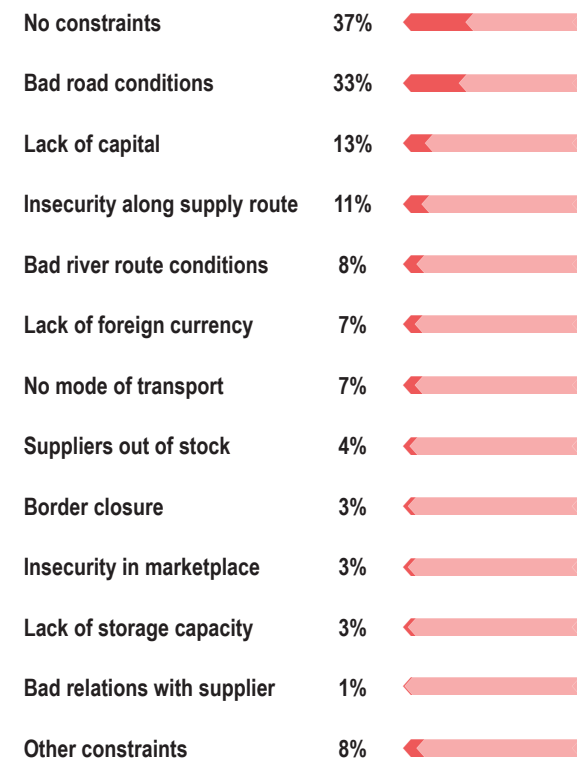


52% of food traders expect price increases
 21% of food traders do not expect price changes
 19% of food traders expect price decreases
 8% of food traders do not have any price expectations



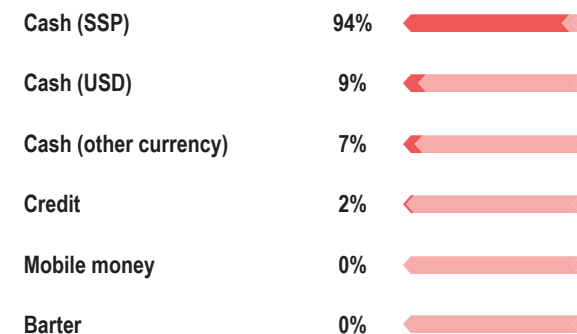
34% of non-food traders expect price increases
 34% of non-food traders do not expect price changes
 17% of non-food traders expect price decreases
 16% of non-food traders do not have any price expectations

Reported restocking constraints*



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

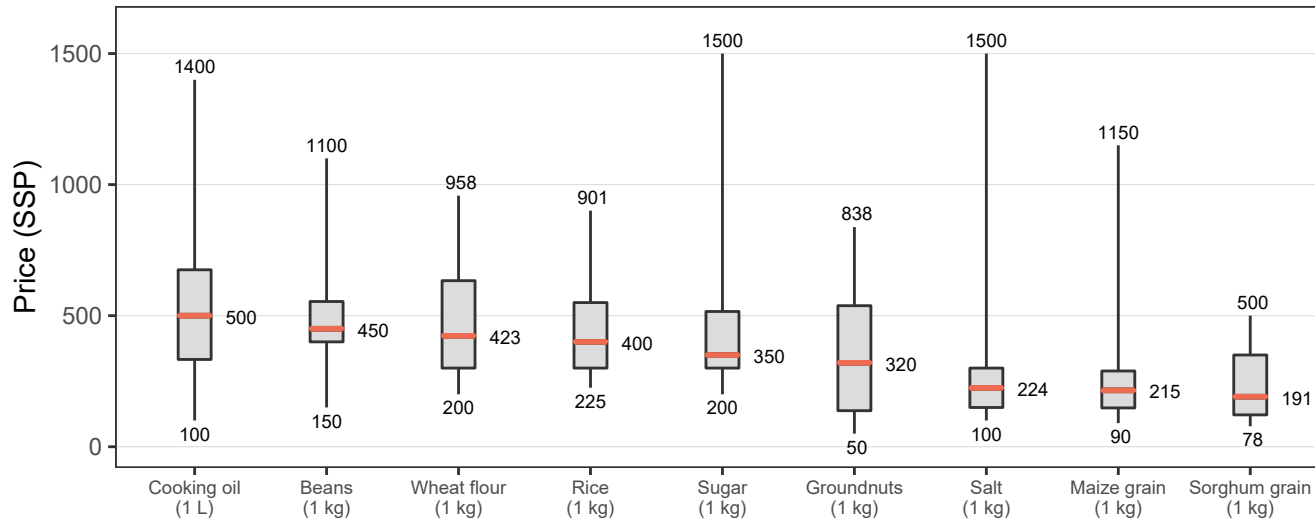
Accepted payment modalities**



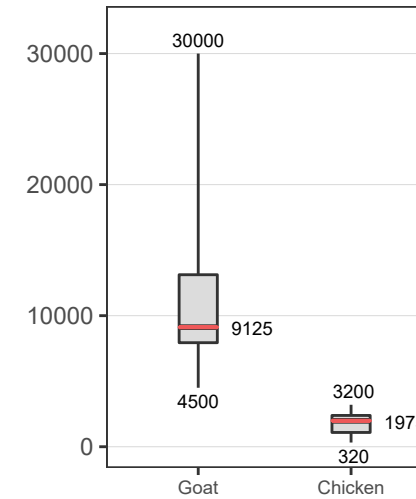
** Values do not add up to 100% as traders were allowed to select multiple options.

Distribution of Prices

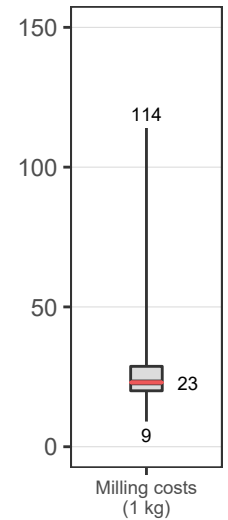
Food Items



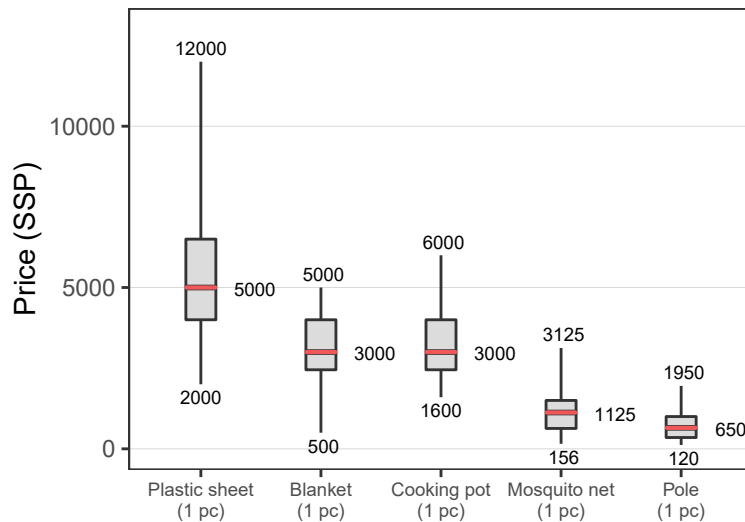
Livestock



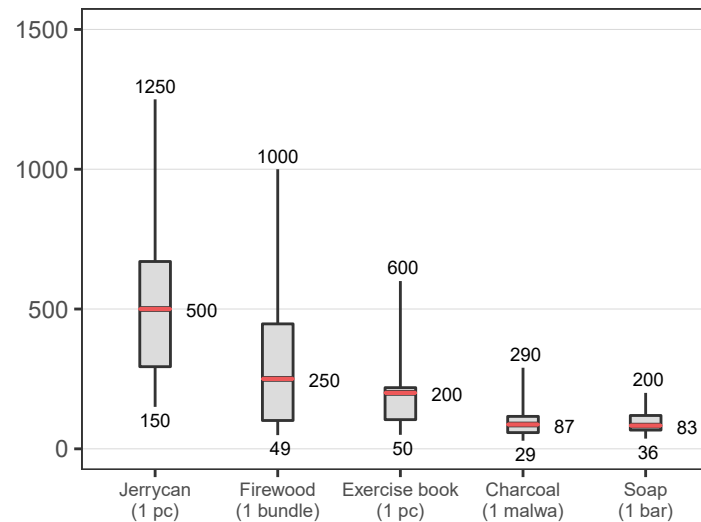
Services



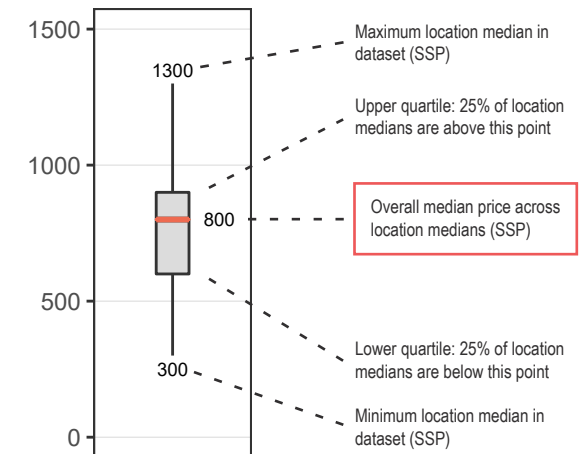
Non-Food Items



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 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 kg)	Soap (200 g)	Jerrycan	Mosquito net	Exercise book	Blanket	Cooking pot	Plastic sheet	Pole	Firewood (1 bundle)	Charcoal (1 kg)	Goat	Chicken	Milling costs (1 kg)	Casual labor* (daily rate)
Central Equatoria																								
Juba	Juba	120	120	200	250	500	420	233	100	300	50	150	1,250	100	2,500	2,000	4,000	800	550	58	15,000	3,200	20	1,000
Eastern Equatoria																								
Kapoeta South	Kapoeta	101	144	388	450	838	443	430	407	200	50	250	600	300	1,500	3,000	7,000	1,000	450	116	10,000	1,650	40	700
Magwi	Nimule	377	144	220	225	489	388	323	140	230	37	450	2,250	50	3,000	2,500	3,750	500	500	58	16,000	2,500	20	300
Torit	Torit	350	375	250	300	104	425	375	132	533	50	200	3,125	200	4,000	3,500	3,500	300	550	86	na	na	na	200
Jonglei																								
Akobo	Akobo	na	215	704	563	na	na	538	339	1,400	200	na	1,000	na	na	na	8,000	700	300	207	8,750	na	na	850
Bor South	Bor Town	250	na	310	270	531	400	250	200	400	67	na	700	100	4,000	2,000	4,000	1,450	300	103	30,000	2,500	na	300
	Bor PoC	na	na	282	225	320	222	215	245	600	100	1,000	na	250	na	na	na	300	na	87	na	na	na	665
Fangak	New Fangak	500	na	500	550	na	550	430	400	900	117	na	na	na	na	na	na	na	50	83	9,000	na	43	na
Nyirrol	Lankien	150	93	845	338	na	150	407	509	1,200	167	1,250	1,500	150	na	3,000	6,500	1,950	700	166	na	na	na	400
Twic East	Panyagor	na	na	704	304	na	554	645	300	800	83	275	1,800	75	1,650	4,000	na	na	600	127	17,500	2,750	na	500
Uror	Pieri	150	na	na	na	na	na	1,500	1,500	1,067	100	na	2,500	na	na	na	na	300	1,000	na	8,000	na	na	na
	Yuai	420	na	845	901	na	200	1,050	1,500	930	120	660	2,075	400	4,150	2,140	4,650	775	310	97	na	na	na	950
Lakes																								
Awerial	Mingkaman	190	na	350	325	559	500	300	200	500	83	200	600	275	3,000	3,000	6,000	1,000	550	83	6,500	3,000	na	600
Rumbek Centre	Rumbek	152	259	300	350	152	500	300	182	467	67	600	na	135	na	3,100	5,000	250	438	44	8,500	1,500	24	50
Rumbek East	Aduel	na	240	290	290	84	na	280	252	400	67	700	na	200	na	na	na	na	na	na	na	na	na	na
Yirol West	Yirol	192	na	704	240	112	665	240	136	400	67	500	na	110	3,000	3,000	5,000	500	225	83	na	na	na	125
Northern Bahr el Ghazal																								
Aweil East	Maluakon	116	na	550	425	150	na	320	150	500	67	500	600	100	1,800	2,600	5,100	195	200	58	na	na	na	na
	Wanyjok	100	na	300	400	50	443	350	150	100	67	na	na	150	na	na	3,500	400	50	103	21,175	1,350	na	600
	Warawar	350	200	200	300	125	450	350	250	360	67	500	na	na	na	na	na	na	na	44	na	na	na	na
Unity																								
Koch	Koch	100	200	na	856	na	661	1,187	450	600	133	200	1,500	600	na	na	6,000	1,000	275	na	16,000	950	na	850
Panyijiar	Nyal	221	1,150	423	338	na	443	323	204	600	100	300	1,500	200	na	4,000	na	na	150	116	8,500	800	na	na
Pariang	Ajuong Thok	78	na	400	650	na	632	450	300	267	83	450	156	200	na	na	na	na	300	29	na	na	23	300
	Pamir	126	na	500	600	700	700	200	300	700	100	200	na	200	na	na	na	na	29	29	8,000	1,000	23	500
Rubkona	Bentiu	263	215	958	788	464	288	753	271	550	133	1,000	525	250	na	4,500	na	875	49	92	7,750	2,050	25	550
	Rubkona	315	371	958	535	545	255	753	271	750	117	na	900	250	na	5,000	na	950	70	100	9,750	1,950	23	500
Upper Nile																								
Nasir	Kurenge	280	na	850	476	na	na	650	270	140	170	1,000	1,500	103	na	na	12,000	1,500	100	120	4,500	1,000	na	na
Malakal	Malakal PoC	169	258	450	600	559	700	450	339	600	133	700	650	200	5,000	2,000	3,250	650	56	58	9,250	900	na	350
Melut	Melut	377	na	na	600	559	443	968	136	1,000	200	300	1,500	100	na	4,000	8,000	1,000	125	166	10,000	1,500	na	1,200
	Paloich	350	na	500	500	na	554	430	136	333	150	400	1,500	200	4,000	4,000	8,000	1,000	100	290	10,000	2,000	114	1,200
Renk	Renk	91	na	510	500	279	1,100	350	100	267	100	300	1,000	120	3,000	1,600	6,500	500	105	166	na	2,025	9	600
Warrap																								
Gogrial West	Kuajok	390	400	350	425	180	500	300	150	450	67	575	625	190	500	2,400	5,000	120	75	52	4,500	320	na	500
Western Bahr el Ghazal																								
Wau	Wau	150	160	300	400	75	450	325	140	500	67	700	850	225	4,000	3,250	5,000	400	400	116	7,500	3,000	na	1,500
Western Equatoria																								
Maridi	Maridi	88	90	563	260	475	400	240	150	240	67	600	2,450	100	2,450	6,000	4,500	600	150	58	12,500	2,000	18	250
Yambio	Yambio	377	299	250	338	200	481	284	200	333	43	600	500	200	3,500	3,000	2,000	170	170	57	7,500	2,000	na	250
Overall median		191	215	423	400	320	450	350	225	500	83	500	1,125	200	3,000	3,000	5,000	650	250	87	9,125	1,975	23	500

na: no price data available

* reported daily rates are for unskilled casual labor

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 food items	Median duration to restock NFIs
Central Equatoria																			
Juba	Juba	28	21	21	21	21	30	29	58	28	35	30	51	60	66	90	55	7	7
Eastern Equatoria																			
Kapoeta South	Kapoeta	5	7	5	5	7	na	14	7	10	6	30	na	30	14	60	14	14	11
Magwi	Nimule	26	21	26	14	12	18	14	26	7	7	21	18	60	37	60	14	21	14
Torit	Torit	98	98	98	98	14	98	98	13	14	14	135	150	70	165	105	180	14	12
Jonglei																			
Akobo	Akobo	na	5	11	14	na	na	14	7	14	32	na	7	na	na	na	4	14	70
Bor South	Bor Town	60	na	20	20	22	15	21	30	15	21	na	na	30	na	na	120	3	7
	Bor PoC	na	na	7	21	14	17	16	na	18	7	30	na	90	na	na	na	1	1
Fangak	New Fangak	10	na	14	12	na	11	14	30	26	30	na	na	na	na	na	na	1	1
Nyirrol	Lankien	3	49	5	45	na	30	7	5	7	9	17	15	30	na	30	na	16	9
Twic East	Panyagor	na	na	30	30	na	30	75	30	90	60	30	30	60	30	60	na	5	6
Uror	Pieri	12	na	na	na	na	na	6	7	7	7	na	8	na	na	na	na	7	7
	Yuai	90	na	44	59	na	75	30	75	28	45	14	27	60	21	75	60	90	75
Lakes																			
Aerial	Mingkaman	75	na	30	45	45	30	60	30	60	30	11	30	105	30	60	30	12	10
Rumbek Centre	Rumbek	30	30	5	7	14	22	10	25	14	14	5	na	51	na	120	18	18	15
Rumbek East	Aduel	na	12	14	52	60	na	30	30	150	14	4	na	90	na	na	na	3	3
Yirol West	Yirol	6	na	14	14	5	14	14	14	14	14	11	na	11	7	14	11	7	7
Northern Bahr el Ghazal																			
Aweil East	Malualkon	29	na	7	14	21	na	18	21	14	7	6	90	14	30	30	75	3	2
	Wanyjok	5	na	5	5	na	3	na	10	7	5	na	na	13	na	na	16	3	na
	Warawar	14	7	7	7	5	30	14	28	14	14	21	na	na	na	na	na	2	7
Unity																			
Koch	Koch	26	18	na	14	na	18	14	26	18	30	21	30	14	na	na	21	2	1
Panyijjar	Nyal	75	56	45	45	na	48	45	60	45	60	30	30	60	na	30	na	30	30
Pariang	Ajuong Thok	4	na	6	30	na	21	6	21	14	14	29	60	21	na	na	na	na	na
	Pamir	120	na	74	28	74	74	28	74	74	120	120	na	120	na	na	na	4	4
Rubkona	Bentiu	18	14	7	30	19	10	22	21	18	21	75	22	19	na	18	na	10	8
	Rubkona	18	6	10	41	10	21	9	14	6	10	na	19	10	na	30	na	7	7
Upper Nile																			
Nasir	Kurenge	3	na	25	14	na	na	14	21	32	39	34	34	11	na	na	49	3	2
Malakal	Malakal PoC	60	21	30	30	30	30	30	30	26	90	11	21	21	21	7	14	9	6
Melut	Melut	60	na	35	60	60	90	60	35	90	60	14	26	21	na	44	60	7	9
	Paloich	60	na	37	90	105	60	60	60	70	90	52	60	60	45	65	25	10	10
Renk	Renk	30	na	38	26	30	26	30	90	60	60	45	30	38	30	45	38	3	2
Warrap																			
Gogrial West	Kuajok	48	75	14	56	28	90	120	51	73	49	135	5	180	150	150	195	14	5
Western Bahr el Ghazal																			
Wau	Wau	21	14	30	26	14	21	30	75	30	45	45	60	22	26	22	37	11	10
Western Equatoria																			
Maridi	Maridi	60	90	90	60	60	90	90	60	45	90	60	90	90	75	90	90	na	na
Yambio	Yambio	18	14	14	18	21	14	18	14	22	18	14	18	21	60	26	22	11	30

na : no stock level data available

: none of interviewed traders are currently able to restock this item

! : A warning is triggered if either (1) cereal (sorghum and maize grain) stock levels are below 10 days, or (2) traders are not currently able to restock cereals.

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.

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
- **CARE**
- **Cordaid**
- **DCA** – Danish Church Aid
- **DRC** – Danish Refugee Council
- **GOAL**
- **IOM** – International Organization for Migration
- **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

2019

October
September
August

Datasets

October
September
August

- **Tearfund**
- **UNICEF** – United Nations Children's Fund
- **UNKEA** – Universal Network for Knowledge & Empowerment Agency
- **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 (2019, November 1). Retrieved from www.bankofsouthsudan.org. The rates from 1 October and 1 November 2019 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.