SOUTH SUDAN JOINT MARKET MONITORING INITIATIVE (JMMI)

1–7 December 2019

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).

23 participating agencies

35 assessed locations†

56 assessed marketplaces

1,166 key informants

21 assessed commodities

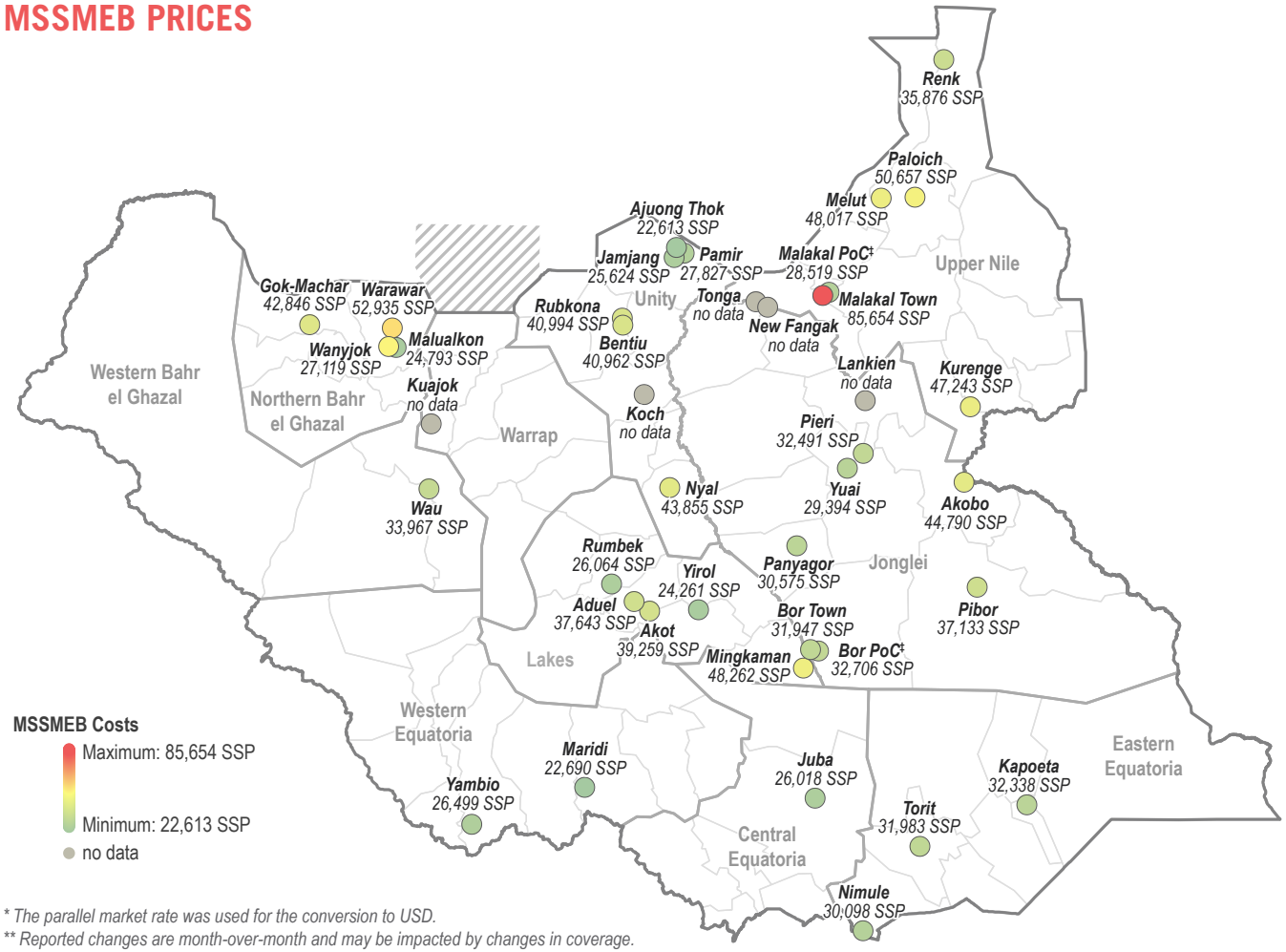
Cost of MSSMEB[1]
32,491 SSP
102.9 USD*
▼ 3,671 SSP - 10%**

Cost of food basket[2]
21,645 SSP
68.6 USD*
▼ 3,804 SSP - 15%**

USD/SSP (parallel market)[3]
316
▲ 6 SSP + 2%**

USD/SSP (official)[4]
160
► 0.0 SSP + 0.0%**

MSSMEB PRICES



* 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.
† Coverage depends on the interest and capacity of the contributing partner agencies. Coverage will be expanded in upcoming rounds.
‡ PoC stands for Protection of Civilians site.

PARTICIPATING AGENCIES

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

REACH Informing more effective humanitarian action

WFP World Food Programme wfp.org

CASH WORKING GROUP SOUTH SUDAN

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)

32,491 SSP

102.9 USD (at parallel market rate)

203.1 USD (at official rate)

Change since Nov 2019:
▼ 3,671 SSP - 10%

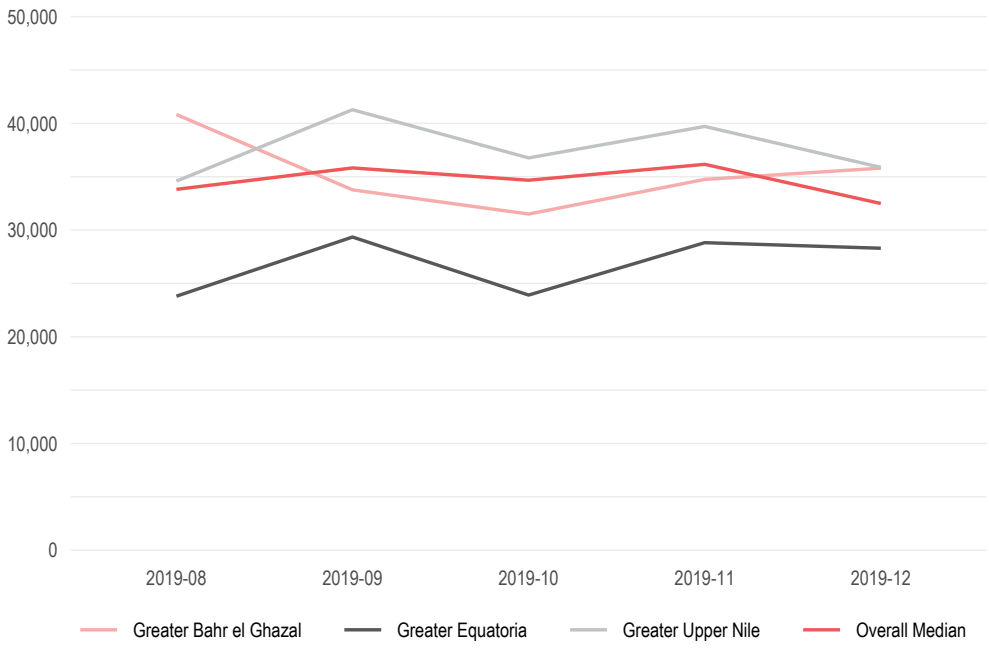
Change since Aug 2019:
▼ 1,327 SSP - 4%

MSSMEB PER LOCATION

County	Location	MSSMEB key items in SSP	Change since Nov 2019	Change since Aug 2019	MSSMEB key items in USD†
Central Equatoria					
Juba	**Juba**	26,018	▲ 3%	▼ 2%	82.3
Eastern Equatoria					
Kapoeta South	**Kapoeta**	32,338	▲ 2%	*na*	98.0
Magwi	**Nimule**	30,098	▲ 16%	*na*	91.9
Torit	**Torit**	31,983	▼ 38%	*na*	103.2
Jonglei					
Akobo	**Akobo**	44,790	▼ 1%	▲ 8%	142.2
Bor South	**Bor Town**	31,947	▼ 18%	▼ 10%	97.9
	Bor PoC‡	32,706	▼ 6%	*na*	103.6
Pibor	**Pibor**	37,133	*na*	*na*	117.6
Twic East	**Panyagor**	30,575	▼ 29%	▼ 16%	98.6
Uror	**Pieri**	32,491	▼ 11%	*na*	102.9
	Yuai	29,394	▼ 51%	▼ 3%	98.8
Lakes					
Awerial	**Mingkaman**	48,262	▲ 32%	▲ 43%	152.9
Rumbek Centre	**Rumbek**	26,064	▲ 8%	*na*	82.4
Rumbek East	**Aduel‡**	37,643	▲ 8%	*na*	119.3
	Akot‡	39,259	*na*	*na*	124.4
Yirol West	**Yirol**	24,261	▼ 32%	▼ 49%	75.1
Northern Bahr el Ghazal					
Aweil East	**Malualkon**	24,793	▼ 6%	*na*	78.6
	Wanyjok	27,119	▲ 11%	▼ 14%	82.5
	Warawar	52,935	▲ 11%	*na*	167.7
Aweil North	**Gok-Machar**	42,846	*na*	*na*	137.1
Unity					
Panyijiar	**Nyal**	43,855	▲ 10%	▲ 33%	138.9
Pariang	**Ajuong Thok**	22,613	▼ 5%	*na*	71.6
	Jamjang	25,624	*na*	*na*	81.2
	Pamir	27,827	▼ 12%	*na*	89.8
Rubkona	**Bentiu**	40,962	▼ 2%	*na*	128.0
	Rubkona	40,994	▼ 14%	*na*	131.2
Upper Nile					
Nasir	**Kurenge‡**	47,243	▲ 13%	*na*	135.0
Malakal	**Malakal PoC**	28,519	▼ 20%	*na*	94.0
	Malakal Town	85,654	*na*	*na*	273.0
Melut	**Melut‡**	48,017	▼ 15%	*na*	152.1
	Paloich	50,657	▼ 11%	*na*	160.5
Renk	**Renk**	35,876	▲ 12%	▲ 6%	114.3
Western Bahr el Ghazal					
Wau	**Wau**	33,967	▲ 4%	▼ 31%	104.9
Western Equatoria					
Maridi	**Maridi**	22,690	▲ 3%	▲ 8%	71.7
Yambio	**Yambio**	26,499	▼ 39%	*na*	84.5
Overall		**32,491**	▼ 10%	▼ 4%	**102.9**

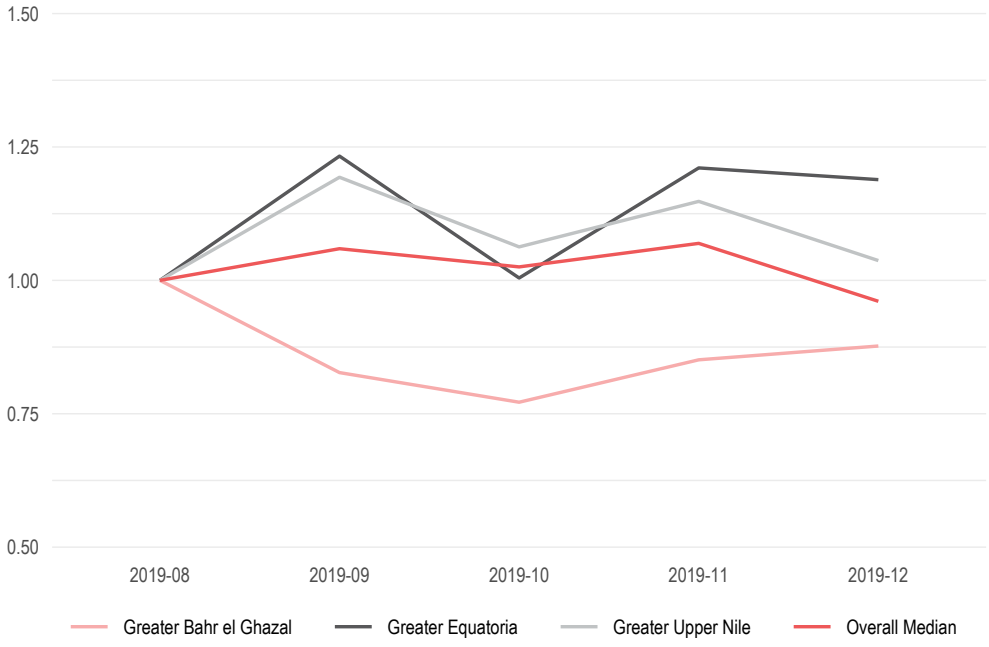
MSSMEB OVER TIME[5]

in SSP



MSSMEB OVER TIME[5]

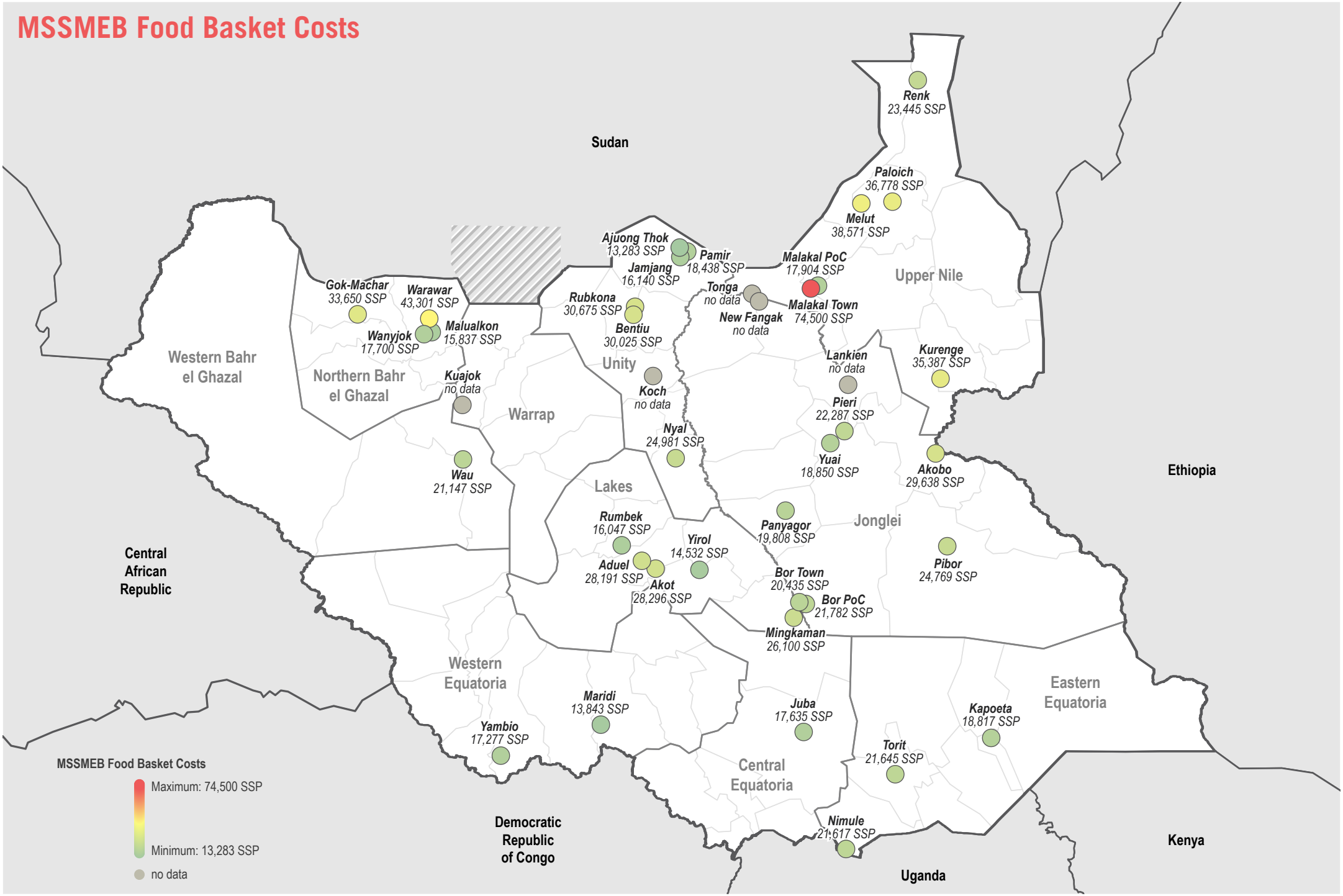
normalised, August 2019 = 1.00[6]



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

‡ *No sorghum nor maize prices were available. The following cereal prices were imputed to calculate the MSSMEB indices in the respective locations: Aduel prices from November (for Aduel and Akot), Bor Town prices (for Bor PoC), Kurenge prices from November (for Kurenge) and Paloich prices (for Melut).*

MSSMEB Food Basket Costs



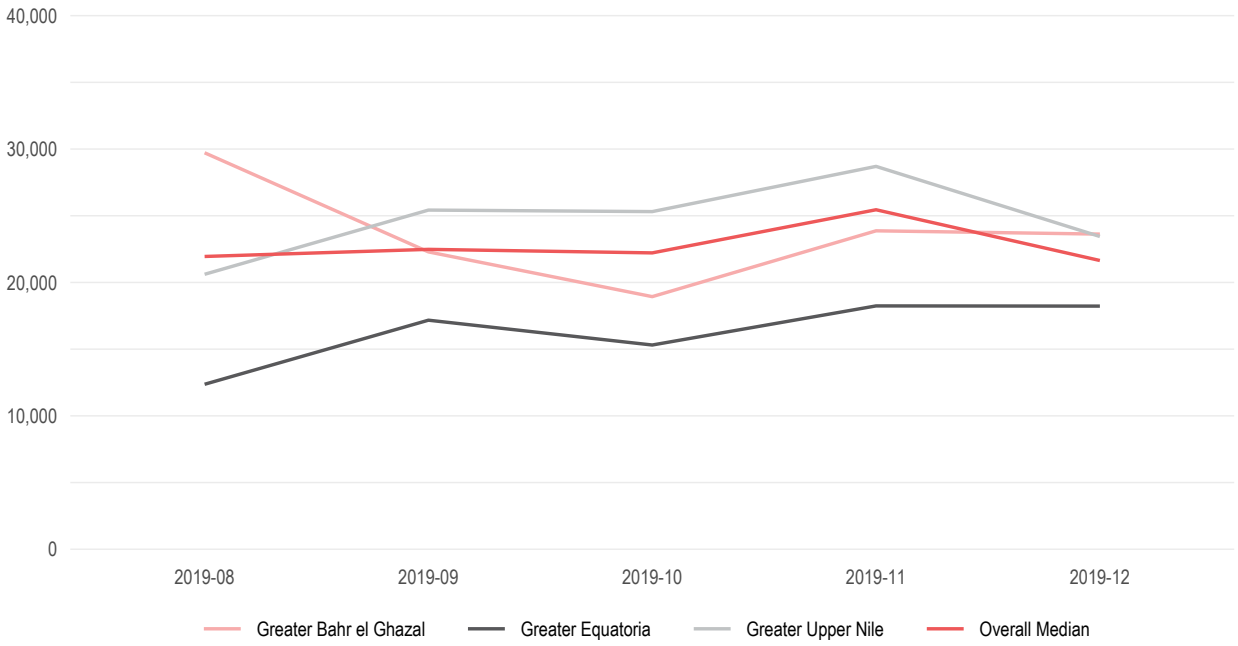
INDICES PER LOCATION

County	Location	MSSMEB food basket in SSP	Change since Nov 2019	Change since Aug 2019	Food price index* in SSP	Change since Nov 2019	Change since Aug 2019
Central Equatoria							
Juba	**Juba**	17,635	▲ 7%	▲ 33%	2,230	▼ 1%	▲ 3%
Eastern Equatoria							
Kapoeta South	**Kapoeta**	18,817	▲ 1%	*na*	2,671	▼ 21%	*na*
Magwi	**Nimule**	21,617	▲ 21%	*na*	3,132	▲ 24%	*na*
Torit	**Torit**	21,645	▼ 47%	*na*	2,575	▼ 9%	*na*
Jonglei							
Akobo	**Akobo**	29,638	▼ 1%	▲ 9%	4,401	▼ 7%	▲ 14%
Bor South	**Bor Town**	20,435	▼ 29%	▼ 7%	2,777	▼ 2%	▼ 15%
	Bor PoC	21,782	▼ 5%	*na*	2,950	▲ 17%	*na*
Pibor	**Pibor**	24,769	*na*	*na*	5,863	*na*	*na*
Twic East	**Panyagor**	19,808	▼ 39%	▲ 3%	3,323	▼ 18%	▲ 16%
Uror	**Pieri**	22,287	▼ 12%	*na*	5,922	▼ 2%	*na*
	Yuai	18,850	▼ 60%	► 0%	6,177	▼ 3%	▲ 35%
Lakes							
Awerial	**Mingkaman**	26,100	▲ 5%	▲ 16%	3,009	▼ 4%	▲ 4%
Rumbek Centre	**Rumbek**	16,047	▼ 24%	*na*	2,386	▼ 10%	*na*
Rumbek East	**Aduel**	28,191	▲ 18%	*na*	2,742	▲ 11%	*na*
	Akot	28,296	*na*	*na*	2,828	*na*	*na*
Yirol West	**Yirol**	14,532	▼ 44%	▼ 61%	1,982	▼ 32%	▼ 55%
Northern Bahr el Ghazal							
Aweil East	**Malualkon**	15,837	▼ 10%	*na*	2,042	▼ 29%	*na*
	Wanyjok	17,700	▲ 29%	▼ 19%	2,771	▲ 31%	▼ 7%
	Warawar	43,301	▲ 14%	*na*	2,791	▲ 8%	*na*
Aweil North	**Gok-Machar**	33,650	*na*	*na*	2,589	*na*	*na*
Unity							
Panyijiar	**Nyal**	24,981	▼ 10%	▲ 10%	3,038	▼ 24%	▼ 9%
Pariang	**Ajuong Thok**	13,283	▼ 9%	*na*	3,374	▲ 2%	*na*
	Jamjang	16,140	*na*	*na*	3,094	*na*	*na*
	Pamir	18,438	▼ 17%	*na*	3,076	▼ 24%	*na*
Rubkona	**Bentiu**	30,025	▲ 1%	*na*	3,763	▼ 17%	*na*
	Rubkona	30,675	▼ 13%	*na*	4,168	▼ 12%	*na*
Upper Nile							
Nasir	**Kurenge**	35,387	▲ 17%	*na*	4,520	▲ 24%	*na*
Malakal	**Malakal PoC**	17,904	▼ 30%	*na*	3,338	▼ 19%	*na*
	Malakal Town	74,500	*na*	*na*	4,850	*na*	*na*
Melut	**Melut**	38,571	▼ 12%	*na*	4,194	▼ 11%	*na*
	Paloich	36,778	▼ 5%	*na*	3,944	▲ 18%	*na*
Renk	**Renk**	23,445	▲ 18%	▲ 24%	3,718	▲ 9%	▲ 20%
Western Bahr el Ghazal							
Wau	**Wau**	21,147	▲ 2%	▼ 44%	2,697	▲ 8%	▲ 1%
Western Equatoria							
Maridi	**Maridi**	13,843	▲ 4%	▲ 20%	2,310	▼ 8%	▼ 16%
Yambio	**Yambio**	17,277	▼ 48%	*na*	2,454	▼ 11%	*na*
Overall		**21,645**	▼ 15%	▼ 1%	**3,038**	▼ 9%	▼ 4%

** The food price index was calculated by adding up the median prices of one unit of each assessed food item.*

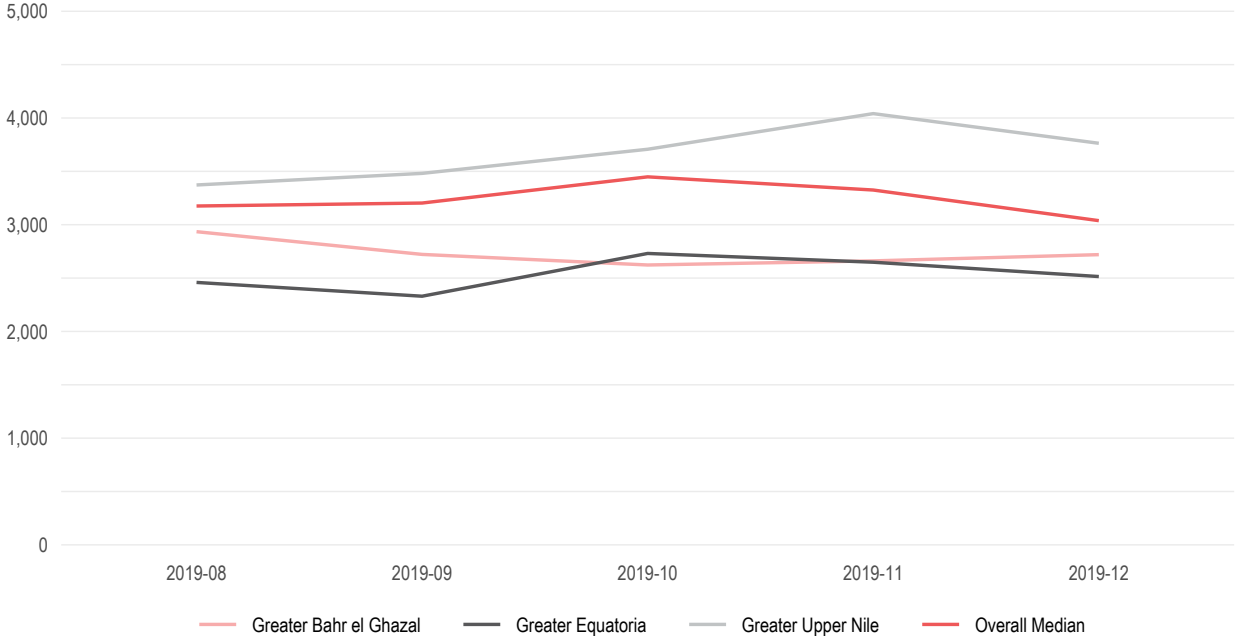
MSSMEB FOOD BASKET OVER TIME[5]

in SSP



FOOD PRICE INDEX OVER TIME[5]

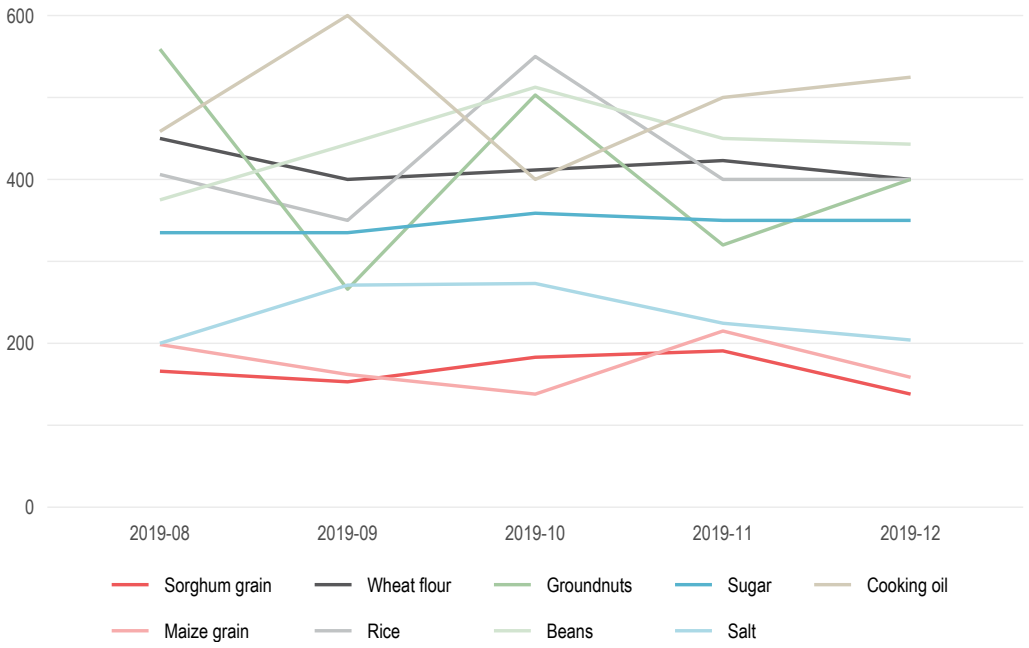
in SSP



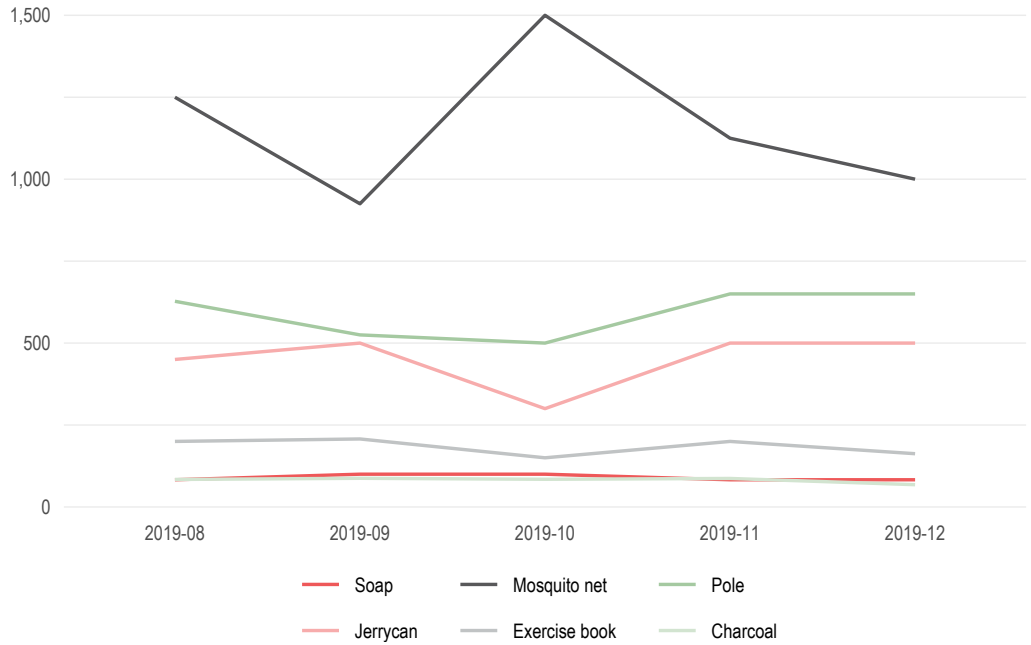
PRICES OF MONITORED ITEMS

Item	Unit	Median price in SSP	Change since Nov 2019	Change since Aug 2019	Median price in USD
Food Items					
Sorghum grain	1 kg	138	▼ 28%	▼ 17%	0.44
Maize grain	1 kg	159	▼ 26%	▼ 20%	0.50
Wheat flour	1 kg	400	▼ 5%	▼ 11%	1.27
Rice	1 kg	400	► 0%	▼ 1%	1.27
Groundnuts (shelled)	1 kg	400	▲ 25%	▼ 28%	1.27
Beans	1 kg	443	▼ 2%	▲ 18%	1.40
Sugar	1 kg	350	► 0%	▲ 4%	1.11
Salt	1 kg	204	▼ 9%	▲ 2%	0.65
Cooking oil	1 L	525	▲ 5%	▲ 14%	1.66
Non-Food Items					
Soap	200 g	83	► 0%	► 0%	0.26
Jerrycan	1 pc	500	► 0%	▲ 11%	1.58
Mosquito net	1 pc	1,000	▼ 11%	▼ 20%	3.17
Exercise book	1 pc	163	▼ 19%	▼ 19%	0.51
Blanket	1 pc	3,100	▲ 3%	▲ 20%	9.82
Cooking pot	1 pc	3,000	► 0%	▲ 13%	9.50
Plastic sheet	1 pc	5,000	► 0%	► 0%	15.84
Pole	1 pc	650	► 0%	▲ 4%	2.06
Firewood	1 bundle	381	▲ 53%	▲ 53%	1.21
Charcoal	1 kg	68	▼ 22%	▼ 19%	0.22
Livestock Items					
Goat	1 goat	11,875	▲ 30%	▲ 19%	37.62
Chicken	1 chicken	1,775	▼ 10%	▲ 3%	5.62
Services					
Milling costs	1 kg	29	▲ 26%	*na*	0.09
Unskilled casual labor	daily rate	600	▲ 20%	*na*	1.96
Currencies					
US dollar (USD)	1 USD	316	▲ 2%	▲ 7%	-
Sudanese pound (SDG)	1 SDG	4.2	▲ 4%	▼ 14%	-
Ethiopian birr (ETB)	1 ETB	8.3	▲ 10%	► 0%	-
Ugandan shilling (UGX)	1 UGX	0.089	▼ 1%	► 0%	-
Kenyan shilling (KES)	1 KES	3.4	▲ 2%	► 0%	-

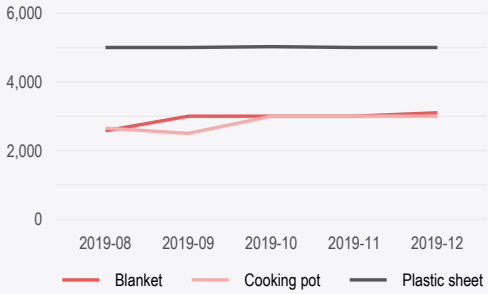
FOOD PRICES OVER TIME
in SSP



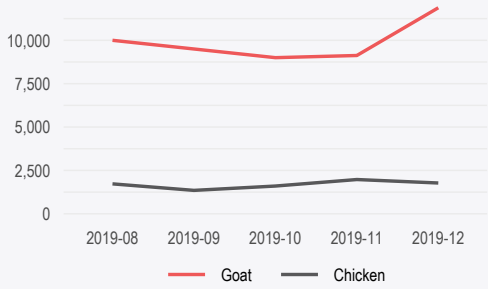
NFI PRICES OVER TIME
in SSP



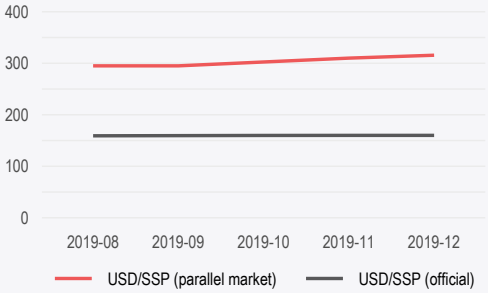
NFI PRICES OVER TIME CONT.
in SSP



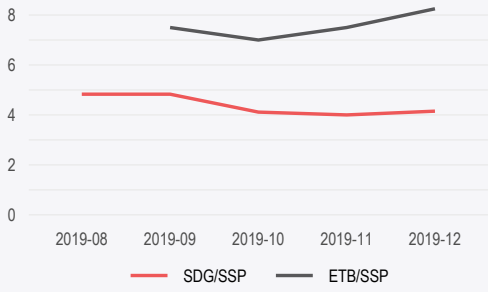
LIVESTOCK PRICES OVER TIME
in SSP



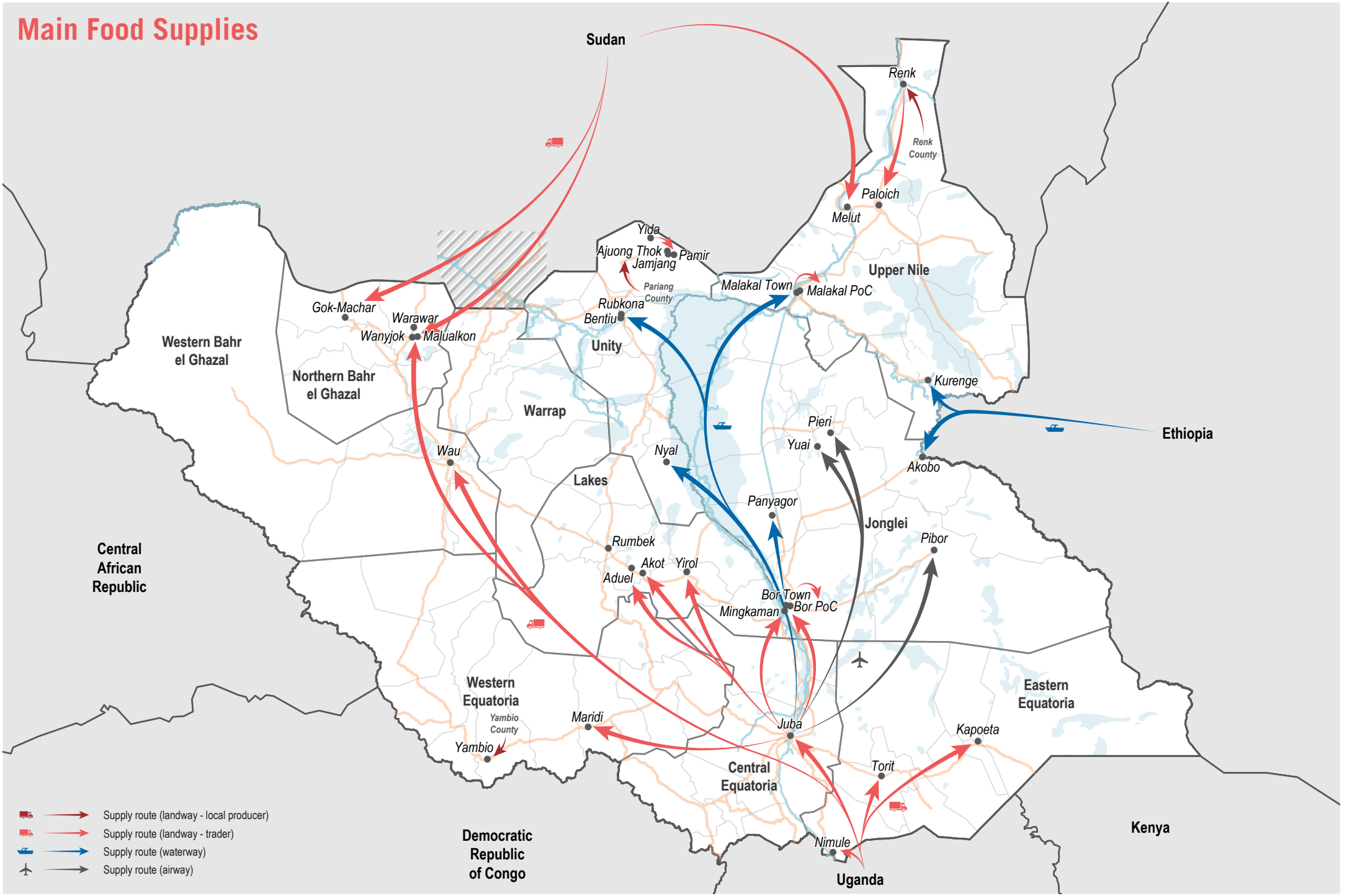
USD EXCHANGE RATE OVER TIME



OTHER EXCHANGE RATES OVER TIME
(Parallel market rates)

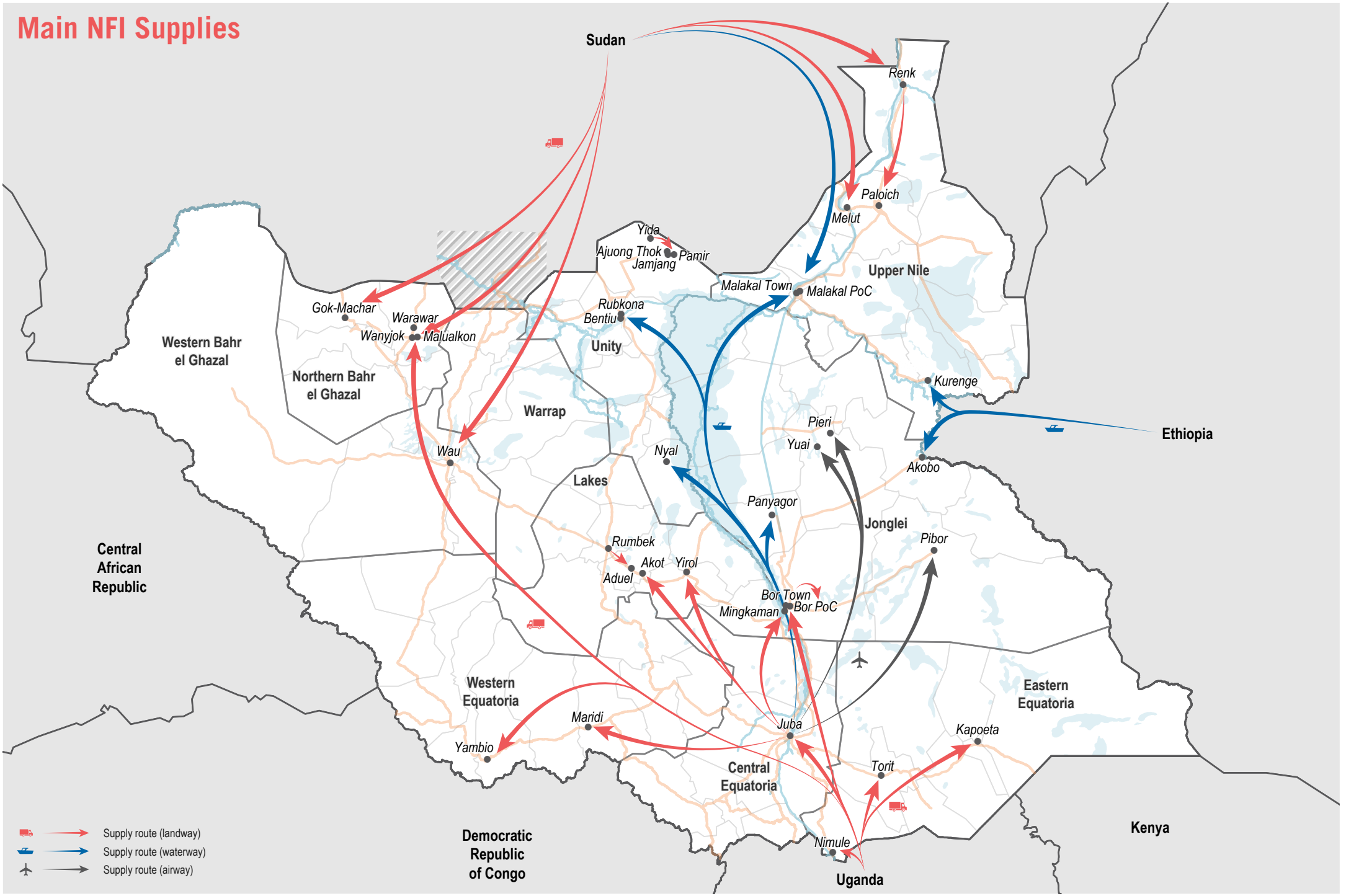


Main Food Supplies



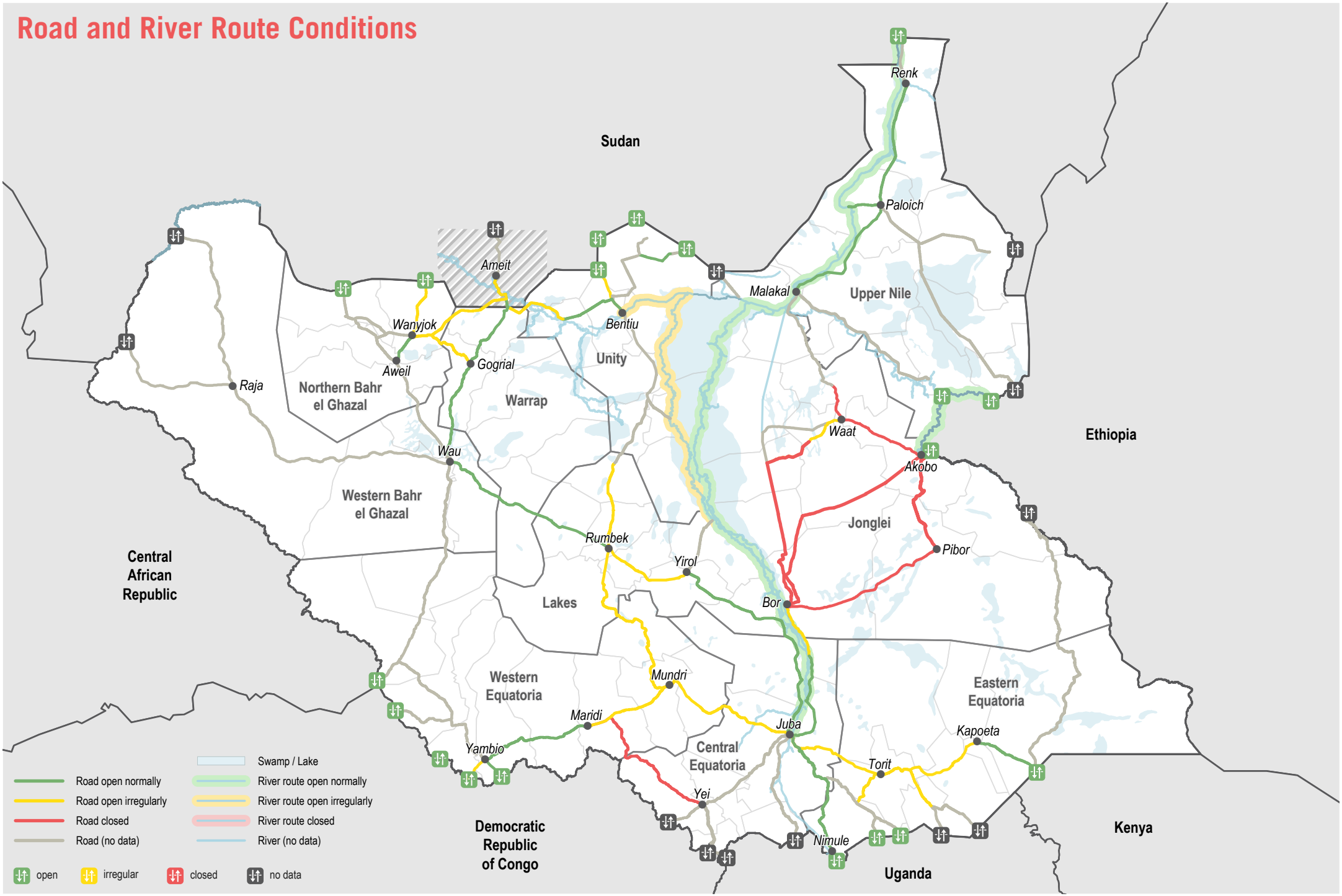
The map illustrates from where each assessed location is supplied with food items. Only the most frequently named food supply market connection is shown for each location. Additional linkages and supply routes may exist.

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.

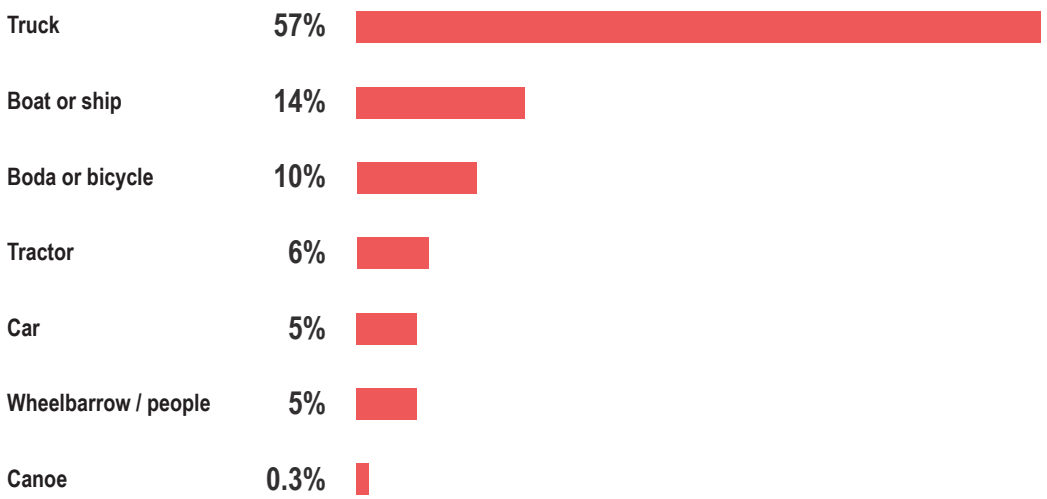
Road and River Route Conditions



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.

Additional Indicators

Primary modes of transport for restocking reported by traders



7 days median time to restock food items from out of town

22% of traders reported restocking from a wholesaler in town

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

22% of food traders reported restocking from a local producer

Price expectations (3 months)

46% of **food traders** expect price increases

23% of **food traders** do not expect price changes

16% of **food traders** expect price decreases

14% of **food traders** do not have any price expectations

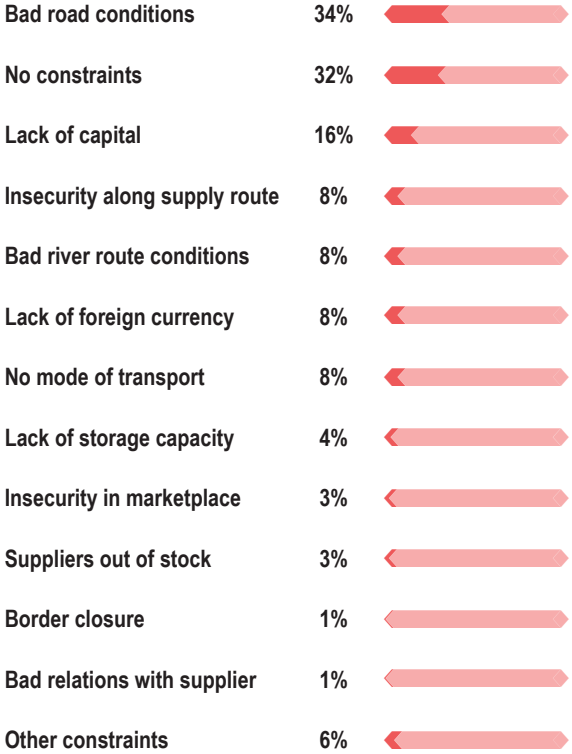
33% of **non-food traders** expect price increases

32% of **non-food traders** do not expect price changes

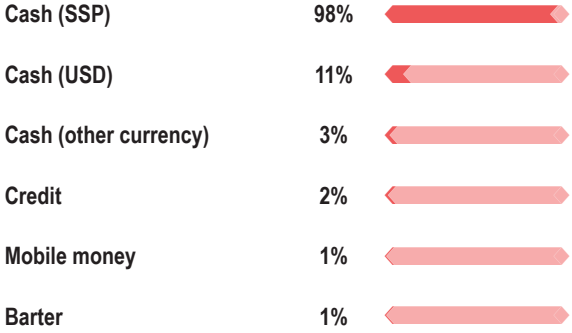
12% of **non-food traders** expect price decreases

23% of **non-food traders** do not have any price expectations

Reported restocking constraints*



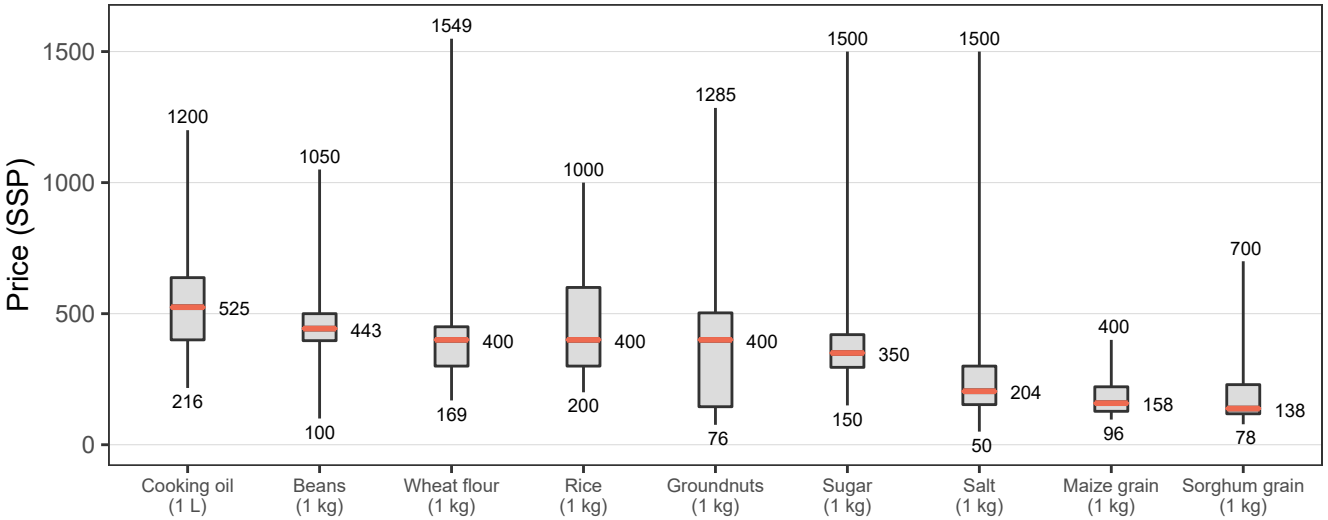
Accepted payment modalities*



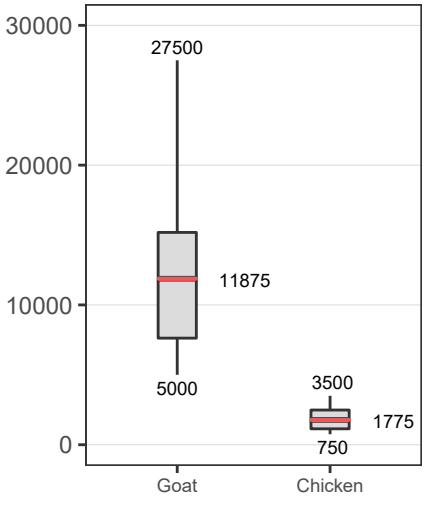
** Values do not add up to 100% as traders were allowed to select multiple options.*

Distribution of Prices

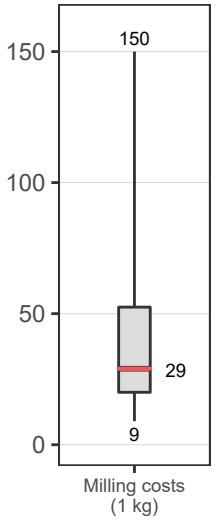
Food Items



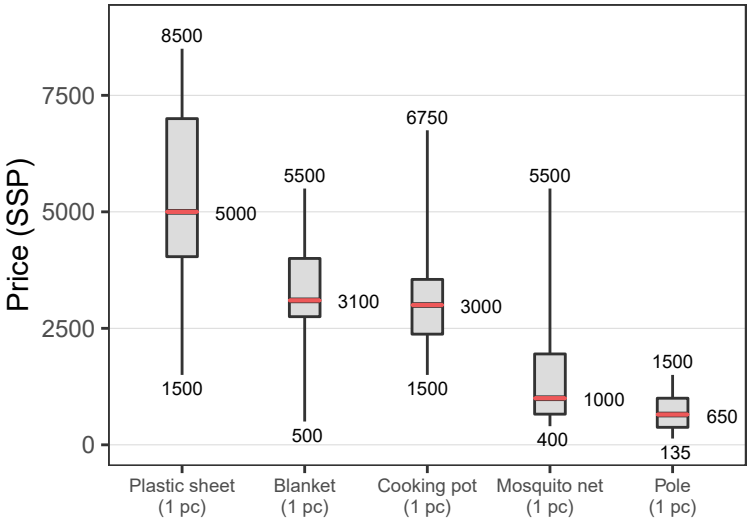
Livestock



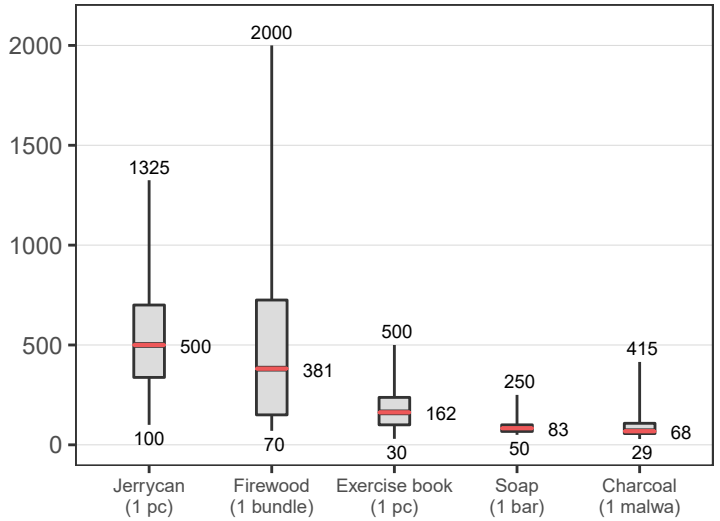
Services



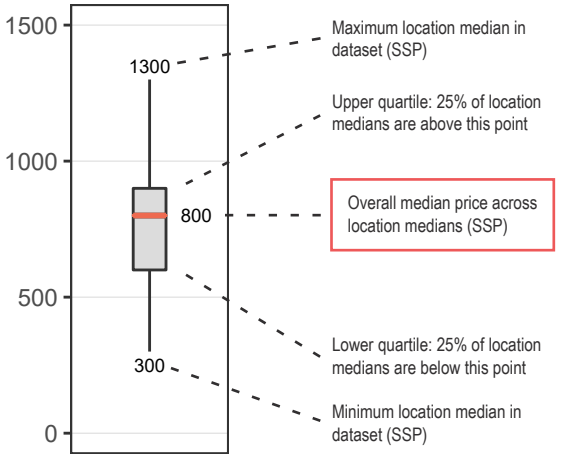
Non-Food Items



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 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**	106	130	169	250	500	450	240	85	300	50	100	1,600	30	*na*	2,200	1,500	725	500	73	16,500	3,200	20	800
Eastern Equatoria																								
Kapoeta South	**Kapoeta**	126	144	282	360	559	443	387	70	300	67	250	*na*	300	2,500	3,000	7,000	1,000	800	116	15,000	1,500	50	700
Magwi	**Nimule**	251	167	400	282	559	443	430	200	400	67	400	2,800	50	3,000	2,500	3,500	500	500	58	*na*	2,500	20	400
Torit	**Torit**	400	*na*	200	300	76	450	325	132	533	50	200	3,500	200	4,000	3,500	4,000	250	363	53	*na*	*na*	93	200
Jonglei																								
Akobo	**Akobo**	202	239	563	676	*na*	*na*	407	271	1,200	150	*na*	1,000	*na*	*na*	*na*	8,500	500	300	207	*na*	*na*	86	1,000
Bor South	**Bor Town**	155	*na*	300	300	503	425	300	230	405	75	200	675	145	4,000	3,000	5,500	1,200	800	103	5,500	2,500	80	1,700
	Bor PoC	*na*	*na*	291	394	400	*na*	280	245	600	100	*na*	*na*	175	*na*	*na*	*na*	300	*na*	87	*na*	*na*	*na*	640
Pibor	**Pibor**	*na*	*na*	1,000	1,000	*na*	950	1,000	700	517	100	500	400	*na*	*na*	*na*	8,250	*na*	300	138	*na*	*na*	36	1,000
Twic East	**Panyagor**	*na*	*na*	650	225	*na*	610	575	300	267	67	350	1,600	100	*na*	3,500	7,100	*na*	2,000	87	14,000	2,500	150	400
Uror	**Pieri**	120	*na*	*na*	*na*	*na*	*na*	1,500	1,500	1,000	100	*na*	2,000	*na*	*na*	*na*	*na*	300	1,500	*na*	9,500	*na*	*na*	*na*
	Yuai	145	*na*	1,549	980	*na*	100	1,195	1,000	650	133	700	1,800	95	4,000	2,500	4,150	280	175	110	*na*	*na*	*na*	775
Lakes																								
Awerial	**Mingkaman**	200	*na*	350	400	200	500	350	300	550	83	175	600	300	3,000	2,250	6,000	1,500	700	415	8,000	2,250	*na*	*na*
Rumbek Centre	**Rumbek**	100	100	300	375	114	500	350	147	400	67	600	*na*	125	*na*	3,600	5,000	650	400	83	22,500	1,500	29	*na*
Rumbek East	**Aduel**	*na*	*na*	338	338	*na*	443	323	204	400	73	750	*na*	120	*na*	*na*	4,000	*na*	*na*	*na*	*na*	*na*	20	350
	Akot	*na*	*na*	*na*	338	*na*	388	301	204	500	50	750	*na*	250	*na*	2,500	*na*	*na*	*na*	*na*	*na*	*na*	30	*na*
Yirol West	**Yirol**	112	*na*	282	293	140	333	291	156	217	67	500	*na*	150	3,500	3,500	*na*	200	1,400	52	15,000	1,400	55	250
Northern Bahr el Ghazal																								
Aweil East	**Malualkon**	100	*na*	175	200	215	*na*	150	150	450	67	500	450	100	3,500	1,600	5,000	135	150	58	*na*	*na*	*na*	*na*
	Wanyjok	120	*na*	400	400	93	400	400	300	500	67	500	*na*	*na*	*na*	*na*	*na*	*na*	150	41	11,500	1,050	29	700
	Warawar	400	*na*	290	*na*	140	*na*	270	165	na	200	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	29	*na*	*na*	*na*	*na*
Aweil North	**Gok-Machar**	300	*na*	320	400	140	400	320	50	500	83	*na*	*na*	100	*na*	*na*	*na*	*na*	*na*	*na*	6,000	900	17	150
Unity																								
Panyijiar	**Nyal**	202	215	423	338	*na*	333	323	204	600	50	750	*na*	500	5,500	3,500	*na*	*na*	875	232	*na*	*na*	*na*	*na*
Pariang	**Ajuong Thok**	78	*na*	400	675	*na*	263	500	300	600	83	400	800	200	1,200	*na*	7,000	*na*	100	29	*na*	*na*	23	300
	Jamjang	126	*na*	450	600	559	100	200	300	600	100	*na*	*na*	200	*na*	*na*	*na*	*na*	*na*	29	8,250	750	29	500
	Pamir	126	*na*	450	400	419	222	200	300	800	100	400	*na*	200	*na*	*na*	*na*		*na*	29	*na*	1,000	29	600
Rubkona	**Bentiu**	222	371	450	435	400	715	410	190	570	91	1,325	645	200	*na*	6,750	4,600	1,450	203	68	27,500	2,475	60	600
	Rubkona	257	191	375	428	1,285	435	368	270	560	78	1,150	653	193	*na*	6,000	3,750	1,350	150	64	5,850	1,100	36	925
Upper Nile																								
Nasir	**Kurenge**	*na*	*na*	850	680	*na*	*na*	650	200	1,000	170	*na*	2,000	250	*na*	*na*	8,000	1,000	300	60	5,000	*na*	10	*na*
Malakal	**Malakal PoC**	131	*na*	400	600	700	443	404	177	325	150	700	750	100	500	1,500	*na*	825	70	103	15,500	1,650	32	400
	Malakal Town	700	400	400	600	*na*	700	450	400	800	150	700	5,500	250	*na*	1,500	*na*	850	480	58	15,250	1,150	21	1,200
Melut	**Melut**	*na*	*na*	500	600	500	*na*	450	204	1,200	150	200	*na*	110	*na*	2,500	*na*	*na*	450	58	*na*	*na*	14	500
	Paloich	302	*na*	450	500	*na*	400	400	400	933	250	700	1,000	300	*na*	4,000	7,000	450	600	106	*na*	*na*	*na*	*na*
Renk	**Renk**	101	*na*	500	500	223	1,050	280	105	800	100	300	1,000	120	3,100	1,525	6,250	600	105	166	*na*	1,900	9	650
Western Bahr el Ghazal																								
Wau	**Wau**	150	150	300	400	150	500	400	147	500	83	800	700	250	4,000	3,800	5,000	1,100	900	116	7,500	2,000	40	1,100
Western Equatoria																								
Maridi	**Maridi**	88	96	300	260	503	400	260	163	240	67	575	2,400	100	2,450	6,000	4,500	500	150	58	12,250	1,900	15	300
Yambio	**Yambio**	126	120	*na*	259	293	443	323	90	400	67	550	500	100	3,000	3,500	3,000	750	100	55	*na*	3,500	74	200
Overall median		**138**	**159**	**400**	**400**	**400**	**443**	**350**	**204**	**525**	**83**	**500**	**1,000**	**163**	**3,100**	**3,000**	**5,000**	**650**	**381**	**68**	**11,875**	**1,775**	**29**	**600**

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**	21	21	18	28	35	28	21	21	21	28	18	35	25	*na*	51	18	**7**	**6**	
Eastern Equatoria																				
Kapoeta South	**Kapoeta**	4	3	3	4	5	3	4	14	4	14	30	*na*	60	12	105	26	**7**	**7**	!
Magwi	**Nimule**	21	14	21	14	14	14	18	22	14	14	14	14	21	28	26	21	**14**	**14**	
Torit	**Torit**	21	21	21	21	12	21	21	21	21	21	135	150	105	180	180	180	**21**	**15**	
Jonglei																				
Akobo	**Akobo**	21	30	60	60	*na*	*na*	60	45	30	30	*na*	11	*na*	*na*	*na*	6	**75**	**75**	
Bor South	**Bor Town**	41	*na*	30	25	30	18	26	60	37	90	14	60	105	63	120	60	**5**	**5**	
	Bor PoC	*na*	*na*	9	19	7	*na*	7	22	14	90	*na*	*na*	90	*na*	*na*	*na*	**1**	**1**	
Pibor	**Pibor**	*na*	*na*	22	14	*na*	13	11	30	14	21	60	150	*na*	*na*	*na*	30	**68**	**65**	
Twic East	**Panyagor**	*na*	*na*	60	45	*na*	22	17	41	22	60	75	26	60	*na*	60	22	**7**	**6**	
Uror	**Pieri**	9	*na*	*na*	*na*	*na*	*na*	8	6	6	12	*na*	9	*na*	*na*	*na*	*na*	**7**	**7**	!
	Yuai	75	*na*	60	75	*na*	60	90	60	45	60	30	60	71	120	90	75	**3**	**3**	
Lakes																				
Awerial	**Mingkaman**	60	*na*	45	45	41	60	60	30	60	30	30	45	45	30	30	45	**3**	**4**	
Rumbek Centre	**Rumbek**	30	60	21	22	14	26	9	22	3	14	14	*na*	30	*na*	75	45	**8**	**15**	
Rumbek East	**Aduel**	*na*	*na*	15	21	*na*	4	5	4	8	12	10	*na*	*na*	*na*	*na*	14	**3**	*na*	!
	Akot	*na*	*na*	*na*	14	*na*	52	28	14	25	21	*na*	*na*	180	*na*	*na*	*na*	**22**	**14**	!
Yirol West	**Yirol**	34	*na*	4	14	8	26	5	22	4	11	3	*na*	30	30	21	*na*	**13**	**33**	
Northern Bahr el Ghazal																				
Aweil East	**Malualkon**	10	*na*	17	21	14	*na*	5	30	9	14	4	75	60	13	21	21	**3**	**2**	!
	Wanyjok	10	*na*	11	28	3	28	11	18	11	14	12	*na*	*na*	*na*	*na*	*na*	**15**	*na*	!
	Warawar	5	*na*	5	*na*	3	*na*	14	8	*na*	5	*na*	*na*	*na*	*na*	*na*	*na*	**2**	**1**	!
Aweil North	**Gok-Machar**	60	*na*	56	30	180	90	60	30	60	75	*na*	*na*	60	*na*	*na*	*na*	**5**	**3**	!
Unity																				
Panyijiar	**Nyal**	21	14	30	30	*na*	30	45	75	45	75	21	*na*	30	30	21	*na*	**23**	**25**	
Pariang	**Ajuong Thok**	2	*na*	10	30	*na*	30	7	41	21	9	18	18	19	14	*na*	21	**35**	**45**	!
	Jamjang	120	*na*	120	120	120	120	120	120	120	120	*na*	*na*	120	*na*	*na*	*na*	**4**	**4**	
	Pamir	120	*na*	28	120	120	120	120	120	120	120	120	*na*	120	*na*	*na*	*na*	**4**	**4**	
Rubkona	**Bentiu**	13	15	12	13	14	41	10	14	19	21	75	90	98	*na*	120	75	**10**	**13**	
	Rubkona	25	21	21	20	9	25	14	11	11	14	60	60	75	*na*	90	72	**12**	**10**	
Upper Nile																				
Nasir	**Kurenge**	14	*na*	11	14	*na*	*na*	101	34	21	60	*na*	60	8	*na*	*na*	28	**3**	**5**	
Malakal	**Malakal PoC**	7	*na*	7	7	14	7	11	14	7	18	105	41	120	120	41	*na*	**2**	**7**	!
	Malakal Town	90	90	90	90	*na*	90	90	90	90	90	90	90	90	*na*	90	*na*	**30**	**30**	
Melut	**Melut**	*na*	*na*	22	41	21	*na*	75	26	32	44	68	*na*	90	*na*	90	*na*	**25**	**30**	
	Paloich	6	*na*	6	14	*na*	30	14	30	21	21	30	14	30	*na*	21	90	**23**	**30**	!
Renk	**Renk**	75	*na*	21	28	25	13	60	120	21	60	41	15	41	21	60	29	**2**	**2**	
Western Bahr el Ghazal																				
Wau	**Wau**	60	20	21	21	60	26	60	21	30	25	26	60	60	30	30	30	**10**	**12**	
Western Equatoria																				
Maridi	**Maridi**	21	105	60	60	60	60	90	90	30	30	75	120	90	105	90	60	**7**	**28**	
Yambio	**Yambio**	14	14	*na*	7	7	21	14	4	11	5	21	60	60	60	60	30	**4**	**31**	

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*
- **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*
- **IRC** – *International Rescue Committee*
- **NRDC** – *National Relief and Development Corps*
- **Nile Hope**
- **Oxfam**
- **PAH** – *Polish Humanitarian Action*

JMMI OUTPUTS

Factsheets	Datasets
2019	
November	November
October	October
September	September
August	August

- **Plan international**
- **REACH Initiative**
- **Save the Children**
- **SPEDP** – *Support for Peace and Education Development Programme*
- **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 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 November and 2 December 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.