SOUTH SUDAN JOINT MARKET MONITORING INITIATIVE (JMMI)

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

22 assessed locations[†]

43 assessed marketplaces

867 key informants

21 assessed commodities

Cost of MSSMEB[1]
34,703 SSP
109.3 USD*
▲ 2,212 SSP   + 7%**

Cost of food basket[2]
23,488 SSP
73.98 USD*
▲ 1,843 SSP   + 9%**

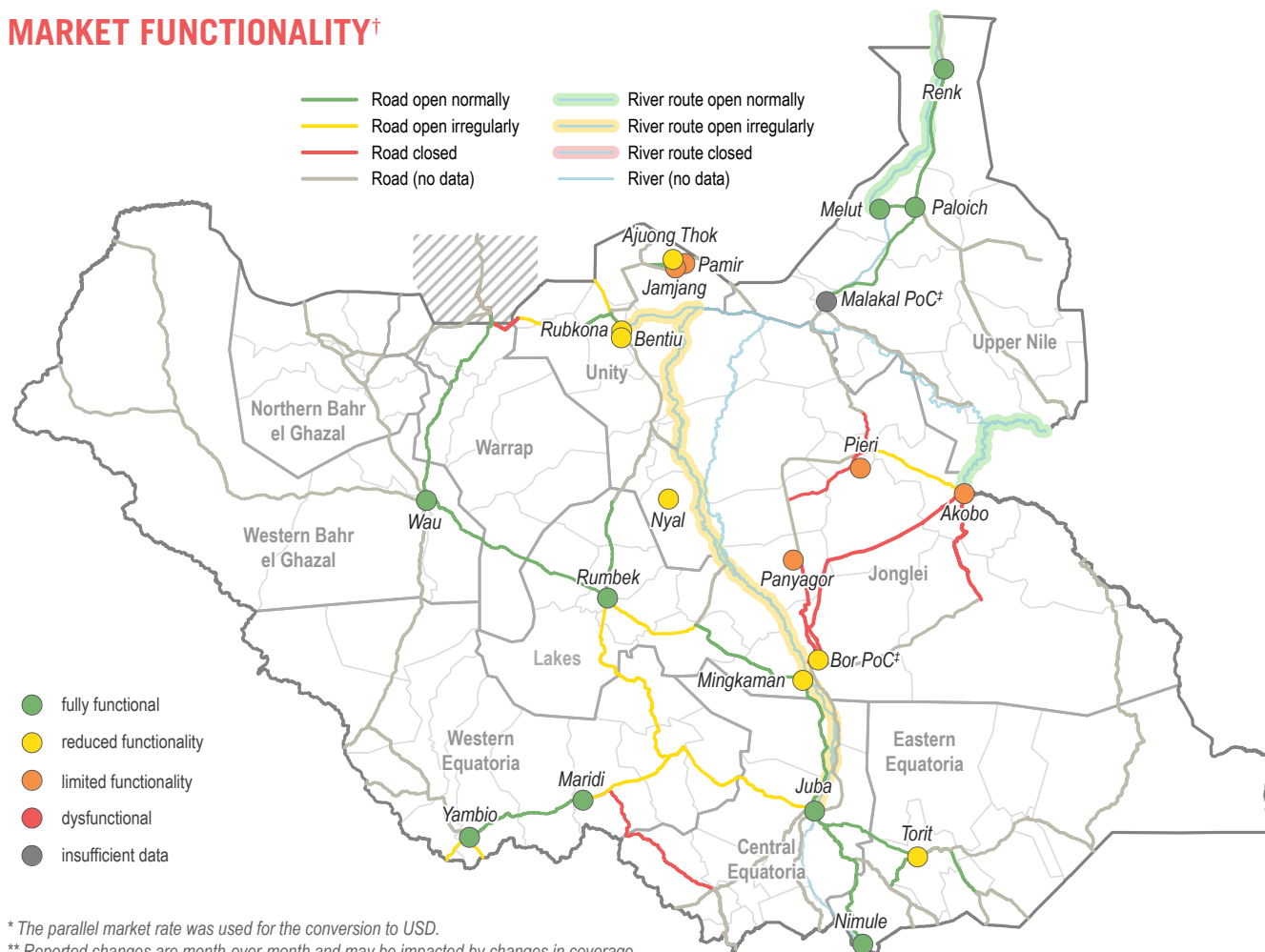### USD/SSP (parallel market)[3]
318
▲ 2 SSP   + 1%**

USD/SSP (official)[4]
160
► 0 SSP   + 0%**

MARKET FUNCTIONALITY[†]

Road open normally
Road open irregularly
Road closed
Road (no data)
River route open normally
River route open irregularly
River route closed
River (no data)

fully functional
reduced functionality
limited functionality
dysfunctional
insufficient data

Renk, Melut, Paloich, Malakal PoC‡, Upper Nile, Ajuong Thok, Pamir, Jamjang, Rubkona, Bentiu, Unity, Northern Bahr el Ghazal, Warrap, Pieri, Akobo, Wau, Nyal, Panyagor, Jonglei, Western Bahr el Ghazal, Rumbek, Lakes, Mingkaman, Bor PoC‡, Western Equatoria, Maridi, Yambio, Juba, Torit, Central Equatoria, Eastern Equatoria, Nimule
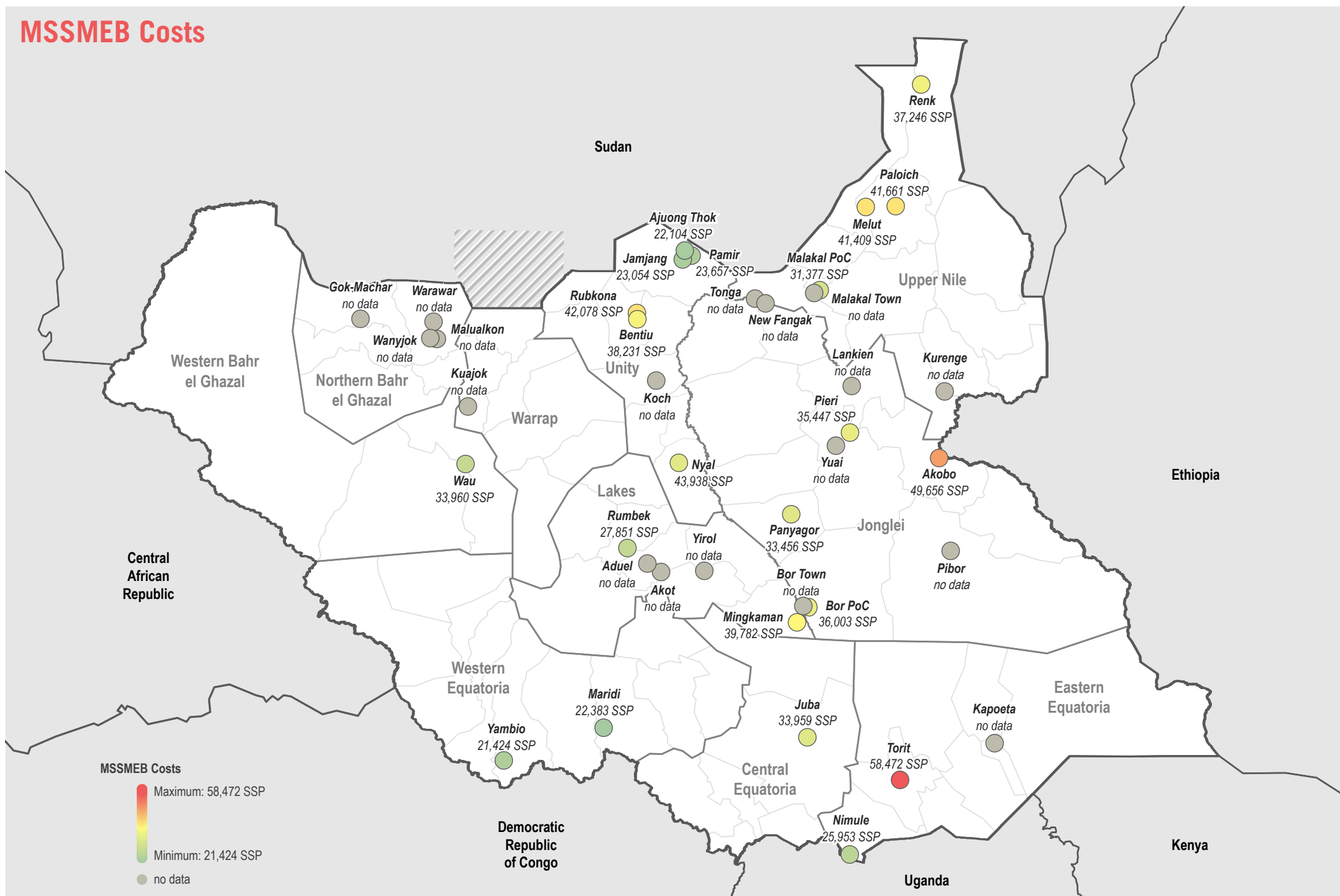
* The parallel market rate was used for the conversion to USD.
** Reported changes are month-over-month and may be impacted by changes in coverage.
† Coverage depends on the interest and capacity of the contributing partner agencies. Coverage will be expanded in upcoming rounds.
‡ PoC stands for Protection 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

INTER-AGENCY CWG CASH WORKING GROUP REPUBLIC OF SOUTH SUDAN

MSSMEB Costs

Sudan

Renk
37,246 SSP

Paloich
41,661 SSP

Melut
41,409 SSP

Ajuong Thok
22,104 SSP

Jamjang
23,054 SSP

Pamir
23,657 SSP

Malakal PoC
31,377 SSP

Upper Nile

Gok-Machar
no data

Warawar
no data

Rubkona
42,078 SSP

Tonga
no data

Malakal Town
no data

Malualkon
no data

Wanyjok
no data

Bentiu
38,231 SSP

New Fangak
no data

Kurenge
no data

Kuajok
no data

Unity

Lankien
no data

Western Bahr
el Ghazal

Northern Bahr
el Ghazal

Warrap

Koch
no data

Pieri
35,447 SSP

Wau
33,960 SSP

Nyal
43,938 SSP

Yuai
no data

Akobo
49,656 SSP

Ethiopia

Lakes

Jonglei

Rumbek
27,851 SSP

Yirol
no data

Panyagor
33,456 SSP

Pibor
no data

Central
African
Republic

Aduel
no data

Akot
no data

Bor Town
no data

Mingkaman
39,782 SSP

Bor PoC
36,003 SSP

Western
Equatoria

Maridi
22,383 SSP

Juba
33,959 SSP

Kapoeta
no data

Eastern
Equatoria

Yambio
21,424 SSP

Central
Equatoria

Torit
58,472 SSP

Nimule
25,953 SSP

Democratic
Republic
of Congo

MSSMEB Costs

Maximum: 58,472 SSP

Minimum: 21,424 SSP

no data

Uganda

Kenya

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)

34,703 SSP

109.3 USD (at parallel market rate)

216.9 USD (at official rate)

Change since December 2019:
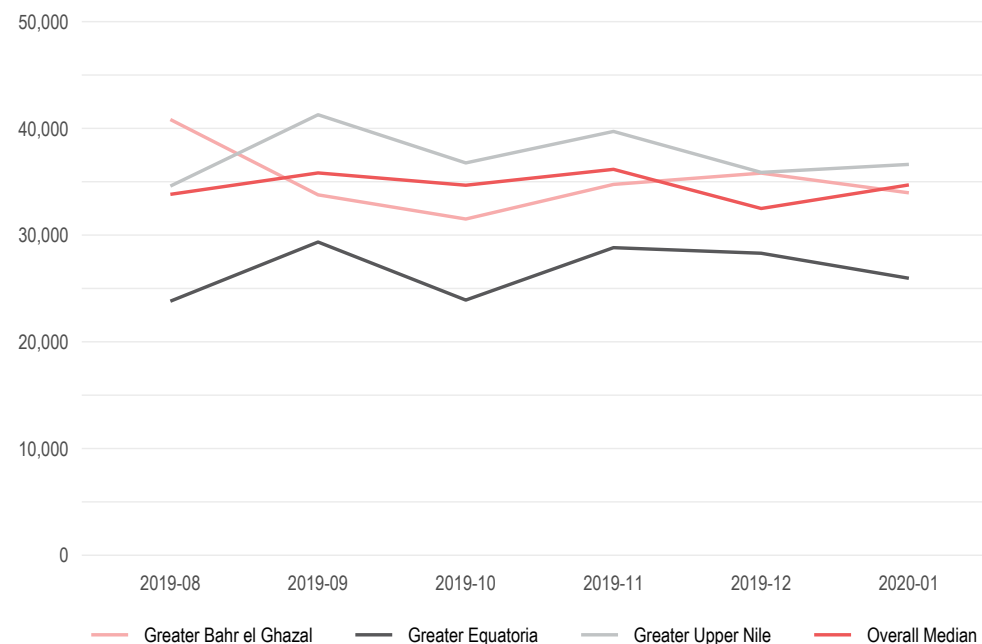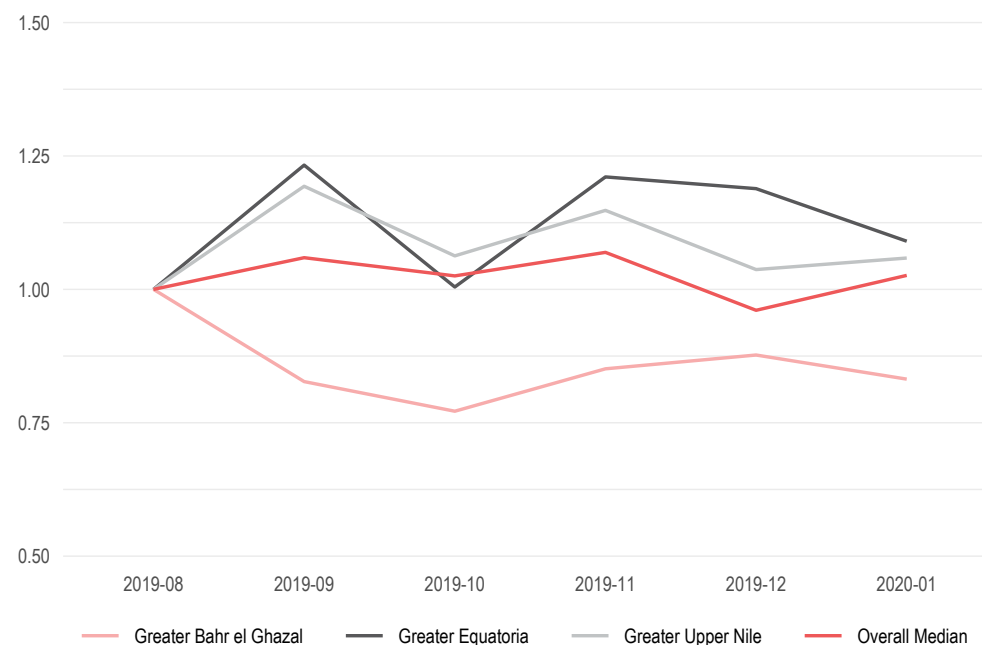▲ 2,212 SSP   + 7%

Change since August 2019:
▲ 885 SSP   + 3%

† *The parallel market rate was used for the conversion to USD.*
‡ *No sorghum nor maize prices were available. The cereal prices from Paloich were imputed to calculate the MSSMEB index in Melut.*
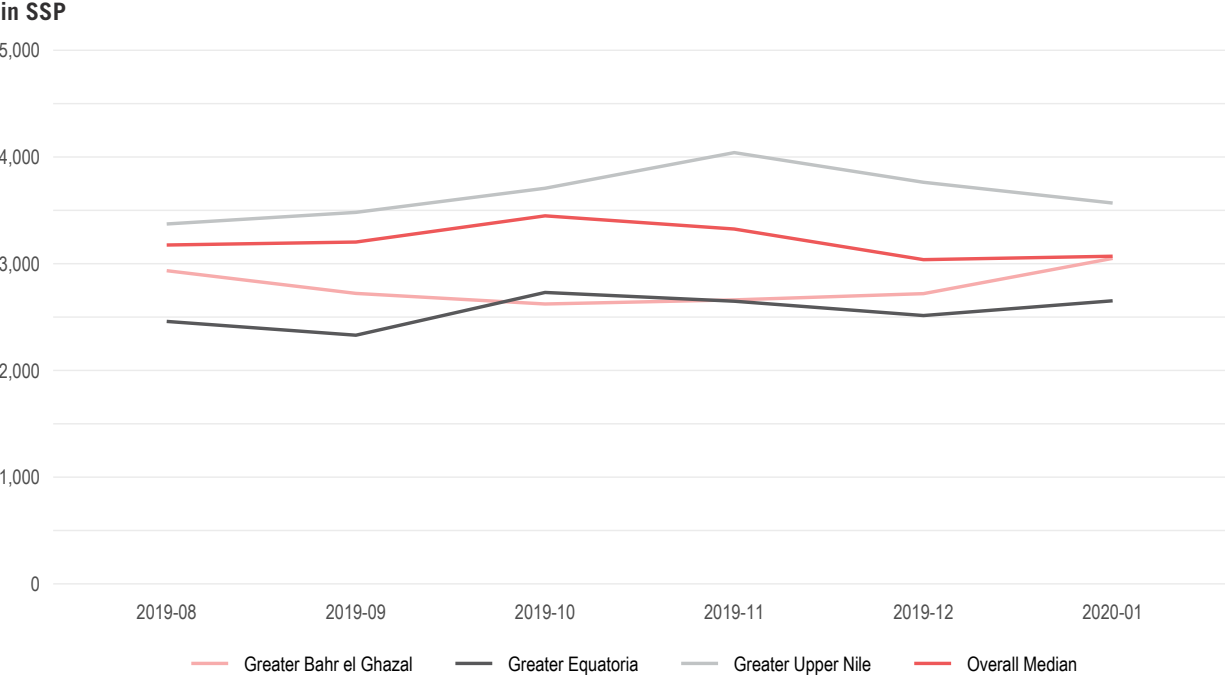
MSSMEB PER LOCATION

County	Location	MSSMEB key items in SSP	Change since Dec 2019	Change since Aug 2019	MSSMEB key items in USD†
Central Equatoria					
Juba	Juba	33,959	▲ 31%	▲ 28%	86.1
Eastern Equatoria					
Magwi	Nimule	25,953	▼ 14%	na	61.2
Torit	Torit	58,472	▲ 83%	na	165.9
Jonglei					
Akobo	Akobo	49,656	▲ 11%	▲ 20%	146.0
	Bor PoC	36,003	▲ 10%	na	96.6
Twic East	Panyagor	33,456	▲ 9%	▼ 9%	92.9
Uror	Pieri	35,447	▲ 9%	na	94.81
Lakes					
Awerial	Mingkaman	39,782	▼ 18%	▲ 18%	108.5
Rumbek Centre	Rumbek	27,851	▲ 7%	na	70.2
Unity					
Panyijiar	Nyal	43,938	► 0%	▲ 33%	121.6
Pariang	Ajuong Thok	22,104	▼ 2%	na	52.8
	Jamjang	23,054	▼ 10%	na	55.8
	Pamir	23,657	▼ 15%	na	57.7
Rubkona	Bentiu	38,231	▼ 7%	na	102.6
	Rubkona	42,078	▲ 3%	na	115.7
Upper Nile					
Malakal	Malakal PoC	31,377	▲ 10%	na	100.6
Melut	Melut‡	41,409	▼ 14%	na	121.2
	Paloich	41,661	▼ 18%	na	122.0
Renk	Renk	37,246	▲ 4%	▲ 10%	101.0
Western Bahr el Ghazal					
Wau	Wau	33,960	► 0%	▼ 31%	86.9
Western Equatoria					
Maridi	Maridi	22,383	▼ 1%	▲ 6%	52.3
Yambio	Yambio	21,424	▼ 19%	na	50.7
Overall		**34,703**	▲ 7%	▲ 3%	**92.2**

MSSMEB OVER TIME[5]
in SSP

— Greater Bahr el Ghazal   — Greater Equatoria   — Greater Upper Nile   — Overall Median

MSSMEB OVER TIME[5]
normalised, August 2019 = 1.00[6]

— Greater Bahr el Ghazal   — Greater Equatoria   — Greater Upper Nile   — Overall Median

MSSMEB Food Basket Costs

Sudan

Renk
24,790 SSP

Paloich
28,324 SSP

Melut
29,722 SSP

Upper Nile

Ajuong Thok
12,780 SSP
Pamir
13,285 SSP
Jamjang
12,656 SSP

Malakal PoC
21,950 SSP

Gok-Machar
no data
Warawar
no data

Rubkona
30,385 SSP
Tonga
no data
Malakal Town
no data

Malualkon
no data
Wanyjok
no data

Bentiu
26,126 SSP
New Fangak
no data

Kurenge
no data

Western Bahr
el Ghazal

Northern Bahr
el Ghazal

Unity

Kuajok
no data

Warrap

Koch
no data

Lankien
no data

Pieri
24,453 SSP

Nyal
28,362 SSP

Yuai
no data

Akobo
34,194 SSP

Ethiopia

Wau
23,900 SSP

Lakes

Rumbek
18,290 SSP

Yirol
no data

Panyagor
22,677 SSP

Jonglei

Pibor
no data

Central
African
Republic

Aduel
no data
Akot
no data

Bor Town
no data

Bor PoC
22,390 SSP

Mingkaman
26,400 SSP

Western
Equatoria

Maridi
13,409 SSP

Juba
23,075 SSP

Kapoeta
no data

Eastern
Equatoria

Yambio
12,929 SSP

Torit
47,847 SSP

MSSMEB Food Basket Costs

Maximum: 47,847 SSP

Minimum: 12,656 SSP

no data

Democratic
Republic
of Congo

Central
Equatoria

Nimule
17,387 SSP

Uganda

Kenya

INDICES PER LOCATION

County	Location	MSSMEB food basket in SSP	Change since Dec 2019	Change since Aug 2019	Food price index* in SSP	Change since Dec 2019	Change since Aug 2019
Central Equatoria							
Juba	**Juba**	23,075	▲ 31%	▲ 75%	2,567	▲ 15%	▲ 19%
Eastern Equatoria							
Magwi	**Nimule**	17,387	▼ 20%	na	2,759	▼ 12%	na
Torit	**Torit**	47,847	▲ 121%	na	2,930	▲ 14%	na
Jonglei							
Akobo	**Akobo**	34,194	▲ 15%	▲ 25%	4,607	▲ 5%	▲ 19%
	Bor PoC	22,390	▲ 3%	na	2,989	▲ 1%	na
Twic East	**Panyagor**	22,677	▲ 14%	▲ 18%	3,545	▲ 7%	▲ 23%
Uror	**Pieri**	24,453	▲ 10%	na	3,933	▼ 34%	na
Lakes							
Awerial	**Mingkaman**	26,400	▲ 1%	▲ 17%	3,085	▲ 3%	▲ 7%
Rumbek Centre	**Rumbek**	18,290	▲ 14%	na	2,610	▲ 9%	na
Unity							
Panyijiar	**Nyal**	28,362	▲ 14%	▲ 25%	3,334	▲ 10%	► 0%
Pariang	**Ajuong Thok**	12,780	▼ 4%	na	3,055	▼ 9%	na
	Jamjang	12,656	▼ 22%	na	2,844	▼ 8%	na
	Pamir	13,285	▼ 28%	na	3,720	▲ 21%	na
Rubkona	**Bentiu**	26,126	▼ 13%	na	4,277	▲ 14%	na
	Rubkona	30,385	▼ 1%	na	4,229	▲ 1%	na
Upper Nile							
Malakal	**Malakal PoC**	21,950	▲ 23%	na	2,555	▼ 23%	na
Melut	**Melut**	29,722	▼ 23%	na	3,593	▼ 14%	na
	Paloich	28,324	▼ 23%	na	3,202	▼ 19%	na
Renk	**Renk**	24,790	▲ 6%	▲ 31%	3,741	▲ 1%	▲ 21%
Western Bahr el Ghazal							
Wau	**Wau**	23,900	▲ 13%	▼ 37%	3,050	▲ 13%	▲ 14%
Western Equatoria							
Maridi	**Maridi**	13,409	▼ 3%	▲ 16%	2,357	▲ 2%	▼ 14%
Yambio	**Yambio**	12,929	▼ 25%	na	2,653	▲ 8%	na
Overall		23,488	▲ 9%	▲ 7%	3,070	▲ 1%	▼ 3%

The food price index was calculated by adding up the median prices of one unit of each assessed food item.
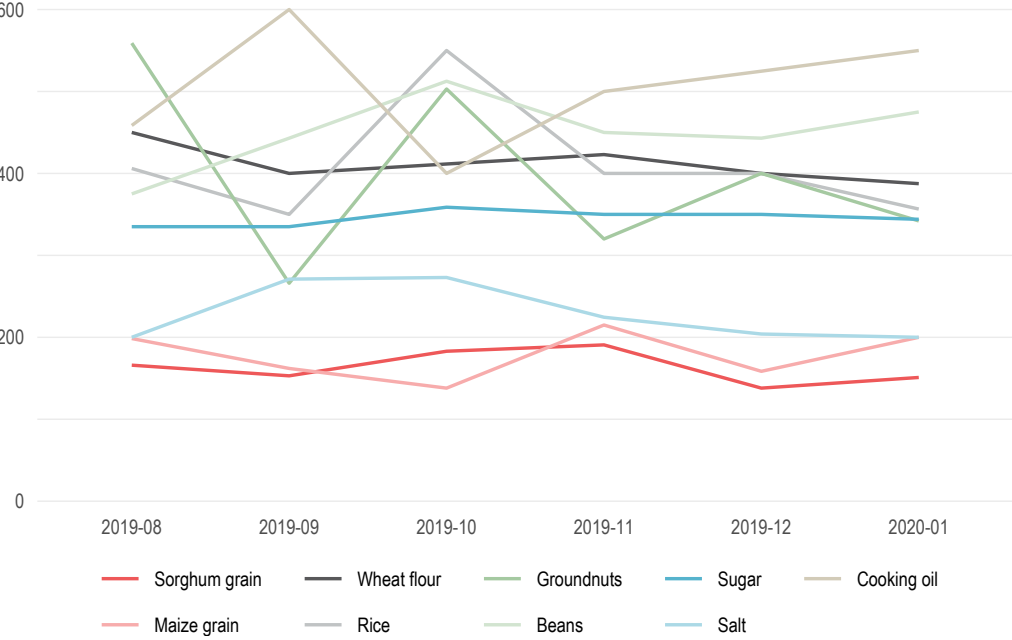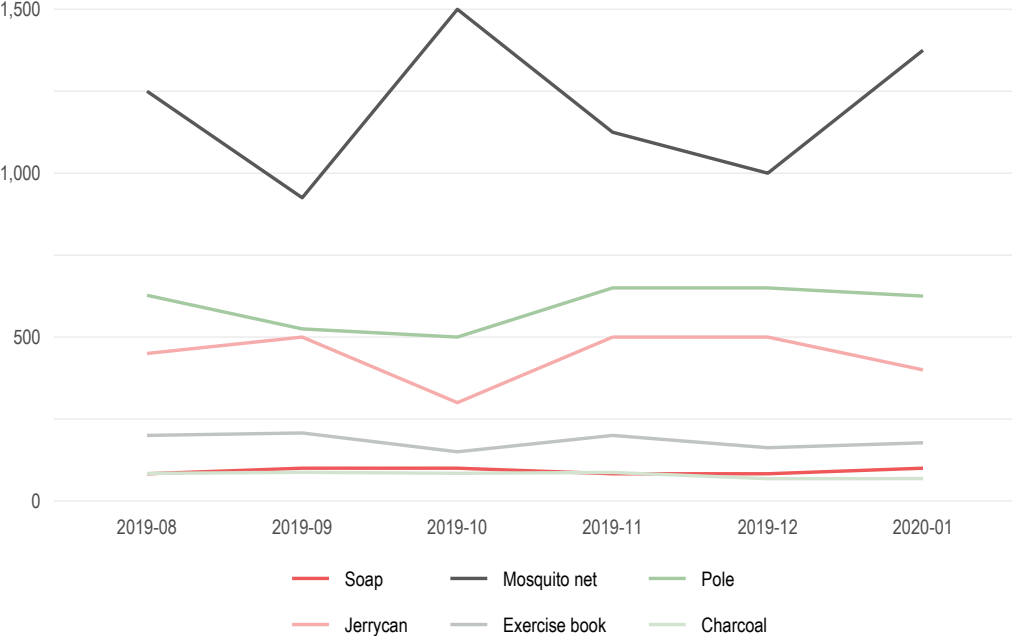
MSSMEB FOOD BASKET OVER TIME[5]
in SSP

Greater Bahr el Ghazal — Greater Equatoria — Greater Upper Nile — Overall Median
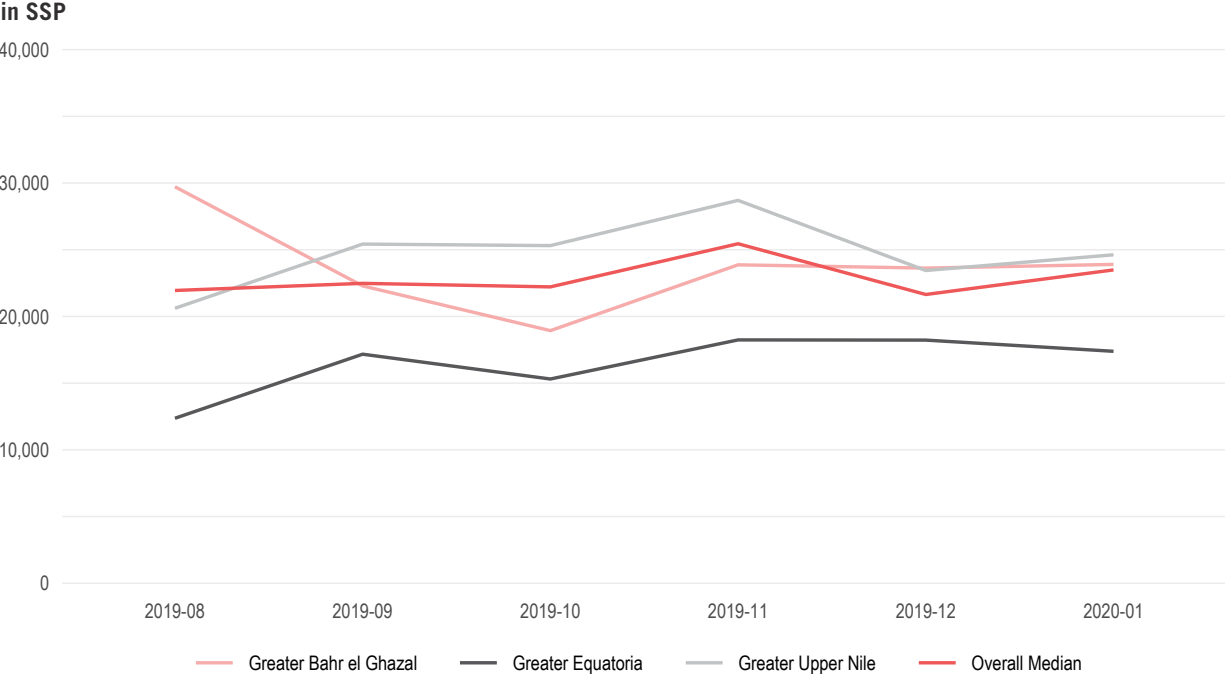
FOOD PRICE INDEX OVER TIME[5]
in SSP

Greater Bahr el Ghazal — Greater Equatoria — Greater Upper Nile — Overall Median

PRICES OF MONITORED ITEMS

Item	Unit	Median price in SSP	Change since Dec 2019	Change since Aug 2019	Median price in USD
Food Items					
Sorghum grain	1 kg	151	▲ 9%	▼ 9%	0.44
Maize grain	1 kg	200	▲ 26%	▲ 1%	0.50
Wheat flour	1 kg	388	▼ 3%	▼ 14%	1.27
Rice	1 kg	357	▼ 11%	▼ 12%	1.27
Groundnuts (shelled)	1 kg	342	▼ 15%	▼ 39%	1.27
Beans	1 kg	475	▲ 7%	▲ 27%	1.40
Sugar	1 kg	344	▼ 2%	▲ 3%	1.11
Salt	1 kg	200	▼ 2%	▲ 0%	0.65
Cooking oil	1 L	550	▲ 5%	▲ 20%	1.66
Non-Food Items					
Soap	200 g	100	▲ 21%	▲ 21%	0.26
Jerrycan	1 pc	400	▼ 20%	▼ 11%	1.58
Mosquito net	1 pc	1,375	▲ 38%	▲ 10%	3.17
Exercise book	1 pc	178	▲ 9%	▼ 11%	0.51
Blanket	1 pc	4,250	▲ 37%	▲ 65%	9.82
Cooking pot	1 pc	4,400	▲ 47%	▲ 66%	9.50
Plastic sheet	1 pc	5,250	▲ 5%	▲ 5%	15.84
Pole	1 pc	625	▼ 4%	▶ 0%	2.06
Firewood	1 bundle	525	▲ 38%	▲ 110%	1.21
Charcoal	1 kg	68	▶ 0%	▼ 19%	0.22
Livestock Items					
Goat	1 goat	12,500	▲ 5%	▲ 25%	37.62
Chicken	1 chicken	1,950	▲ 10%	▲ 13%	5.62
Services					
Milling costs	1 kg	26	▼ 12%	na	0.09
Currencies					
US dollar (USD)	1 USD	318	▲ 1%	▲ 8%	
Sudanese pound (SDG)	1 SDG	4.5	▲ 8%	▼ 7%	
Ethiopian birr (ETB)	1 ETB	na	na	na	
Ugandan shilling (UGX)	1 UGX	0.097	▲ 8%	na	
Kenyan shilling (KES)	1 KES	3.5	▲ 5%	na	

FOOD PRICES OVER TIME
in SSP

Legend: Sorghum grain, Wheat flour, Groundnuts, Sugar, Cooking oil, Maize grain, Rice, Beans, Salt

NFI PRICES OVER TIME
in SSP

Legend: Soap, Mosquito net, Pole, Jerrycan, Exercise book, Charcoal

NFI PRICES OVER TIME CONT.
in SSP

Legend: Blanket, Cooking pot, Plastic sheet
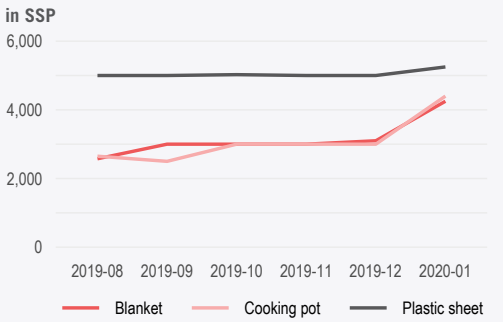
LIVESTOCK PRICES OVER TIME
in SSP

Legend: Goat, Chicken
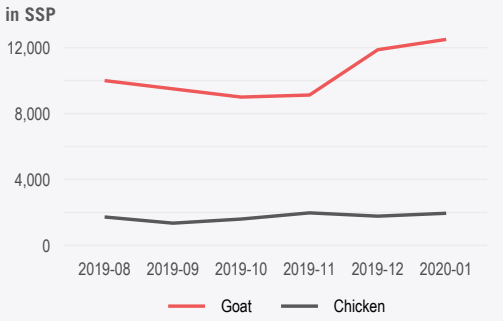
USD EXCHANGE RATE OVER TIME
in SSP

Legend: USD/SSP (parallel market), USD/SSP (official)
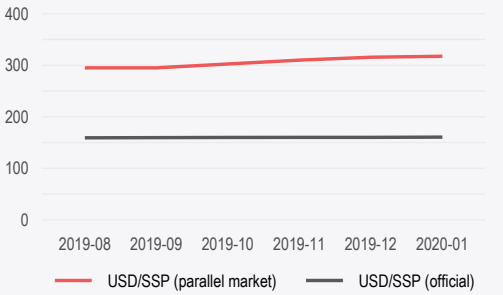
OTHER EXCHANGE RATES OVER TIME
(Parallel market rates)
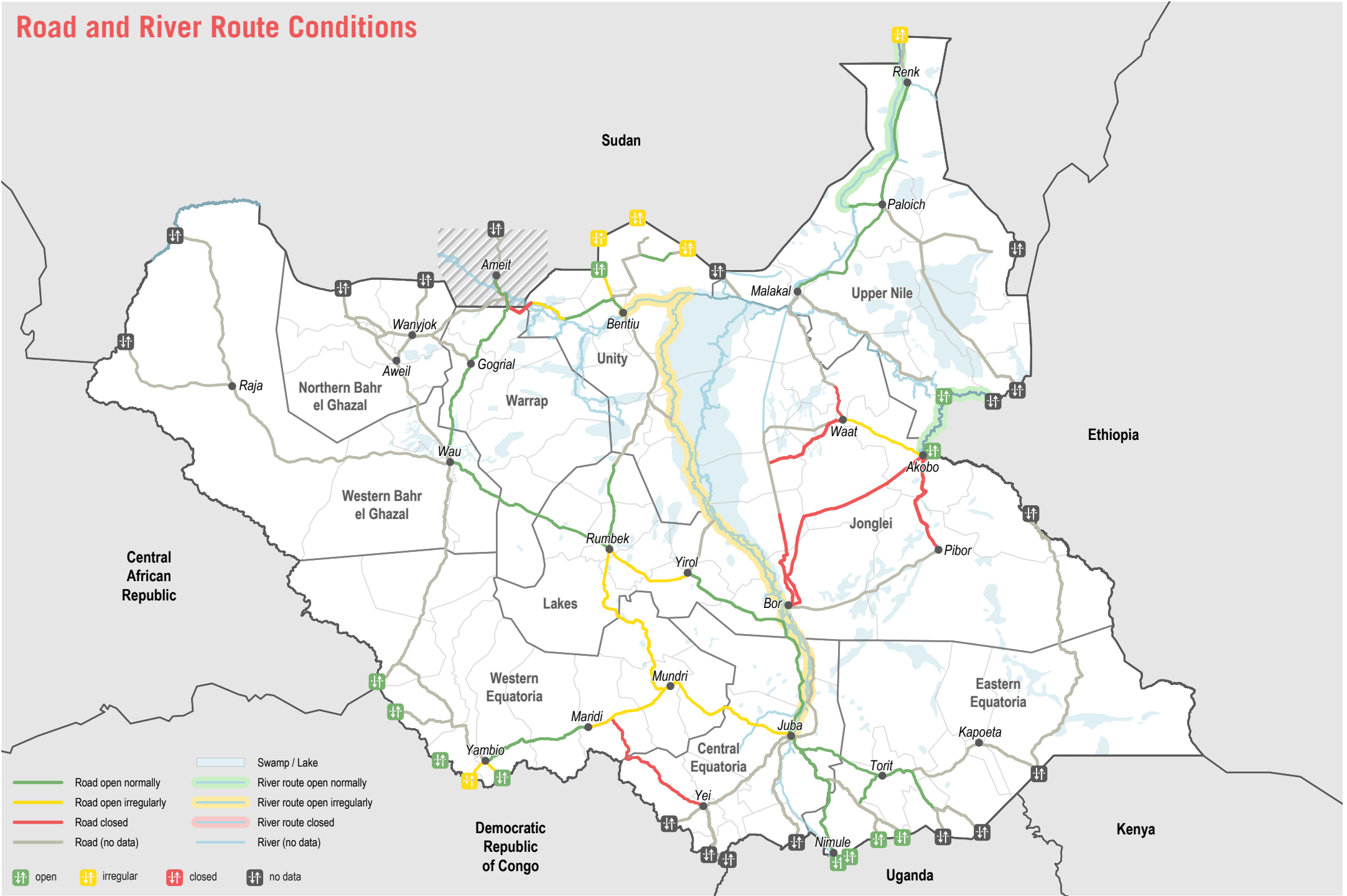

Legend: SDG/SSP, ETB/SSP
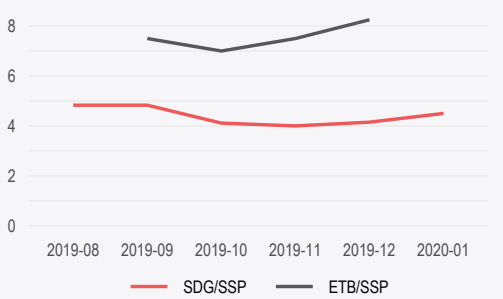
Main NFI Supplies
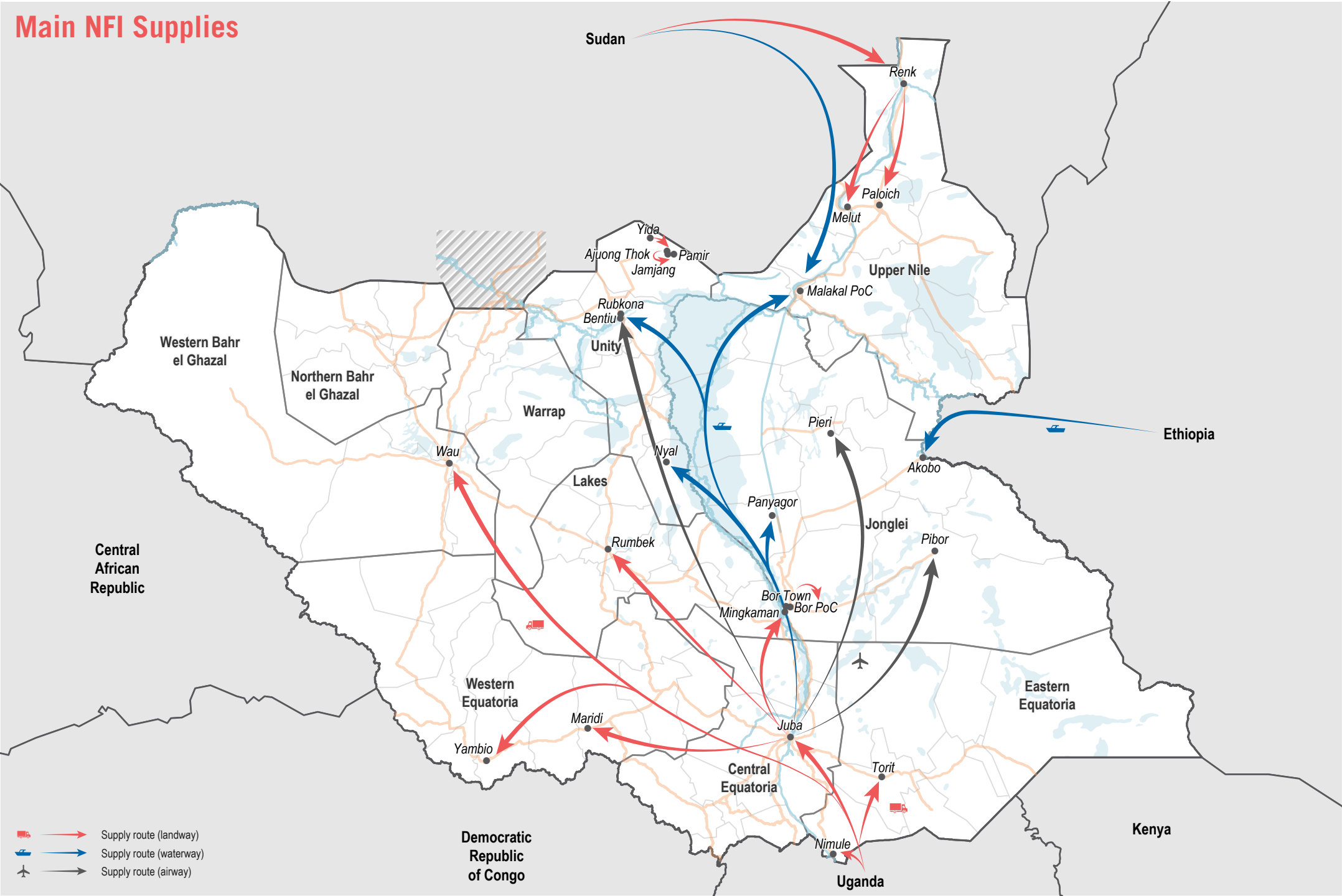
The map illustrates from where each assessed location is supplied with non-food items. Only the most frequently named non-food supply market connection is shown for each location. Additional linkages and supply routes may exist.
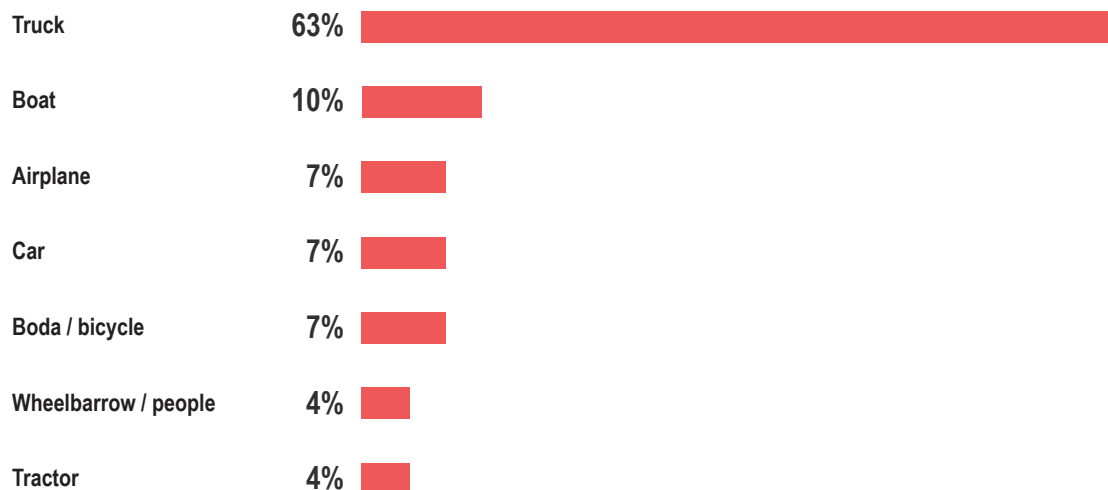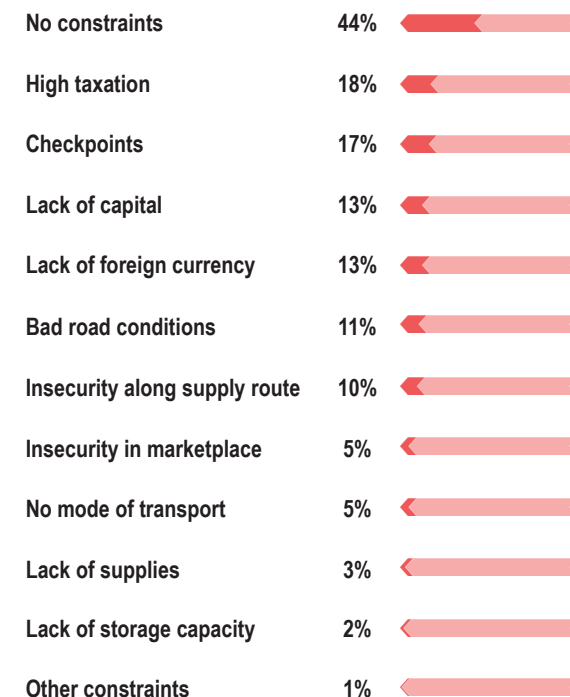
Legend:
- Supply route (landway)
- Supply route (waterway)
- Supply route (airway)

Locations and regions labeled on map:
Sudan, Renk, Paloich, Melut, Upper Nile, Malakal PoC, Yida, Ajuong Thok, Pamir, Jamjang, Rubkona, Bentiu, Unity, Western Bahr el Ghazal, Northern Bahr el Ghazal, Warrap, Wau, Lakes, Nyal, Pieri, Ethiopia, Akobo, Panyagor, Jonglei, Pibor, Central African Republic, Rumbek, Bor Town, Bor PoC, Mingkaman, Western Equatoria, Maridi, Yambio, Democratic Republic of Congo, Central Equatoria, Juba, Torit, Eastern Equatoria, Kenya, Nimule, Uganda

Road and River Route Conditions

Sudan

Renk

Paloich

Ameit

Wanyjok

Aweil

Gogrial

Raja

Malakal

Upper Nile

Bentiu

Unity

Northern Bahr
el Ghazal

Warrap

Wau

Western Bahr
el Ghazal

Waat

Akobo

Ethiopia

Central
African
Republic

Rumbek

Yirol

Lakes

Jonglei

Pibor

Bor

Western
Equatoria

Mundri

Eastern
Equatoria

Maridi

Kapoeta

Yambio

Juba

Central
Equatoria

Swamp / Lake

Torit

Yei

Nimule

Democratic
Republic
of Congo

Uganda

Kenya

—— Road open normally		▬▬ River route open normally	
—— Road open irregularly		▬▬ River route open irregularly	
—— Road closed		▬▬ River route closed	
—— Road (no data)		▬▬ River (no data)	

open   irregular   closed   no data

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

Truck	**63%**
Boat	**10%**
Airplane	**7%**
Car	**7%**
Boda / bicycle	**7%**
Wheelbarrow / people	**4%**
Tractor	**4%**

Reported restocking constraints*

No constraints	44%
High taxation	18%
Checkpoints	17%
Lack of capital	13%
Lack of foreign currency	13%
Bad road conditions	11%
Insecurity along supply route	10%
Insecurity in marketplace	5%
No mode of transport	5%
Lack of supplies	3%
Lack of storage capacity	2%
Other constraints	1%

5 days median time to restock locally produced cereal from out of town

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

19% of traders reported restocking from a wholesaler in town

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

26% of **food traders** expect price increases

27% of **food traders** do not expect price changes

30% of **food traders** expect price decreases

16% of **food traders** do not have any price expectations

21% of **non-food traders** expect price increases

37% of **non-food traders** do not expect price changes

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

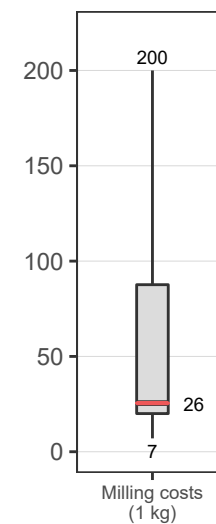**25%** of **non-food traders** do not have any price expectations

Accepted payment modalities*

Cash (SSP)	100%
Cash (USD)	9%
Cash (other currency)	1%
Credit	1%
Mobile money	0%
Barter	0%

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

Distribution of Prices

Food Items
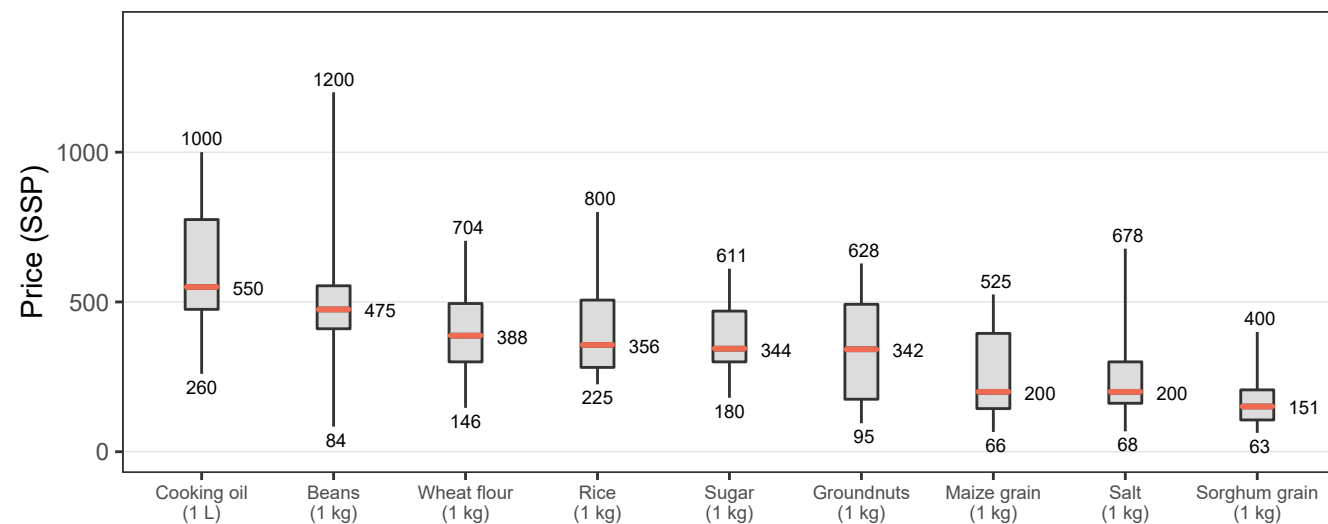
Livestock
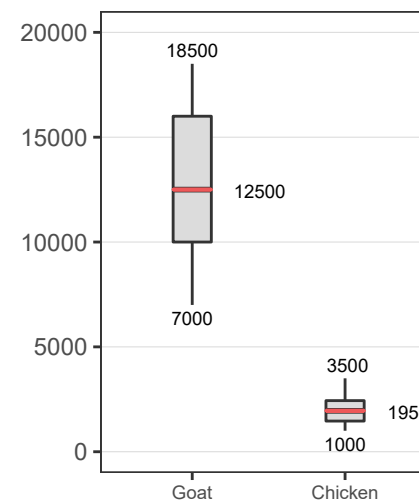
Services

Non-Food Items
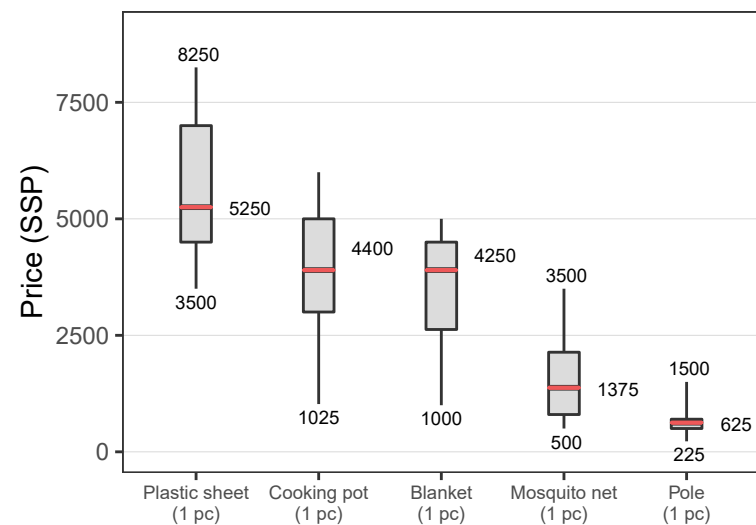
Non-Food Items cont.

How to read a boxplot

Maximum location median in dataset (SSP)

Upper quartile: 25% of location medians are above this point

Overall median price across location medians (SSP)

Lower quartile: 25% of location medians are below this point

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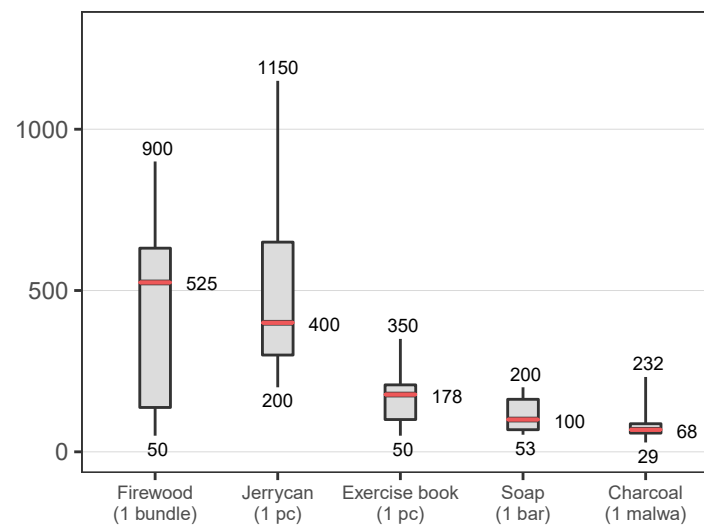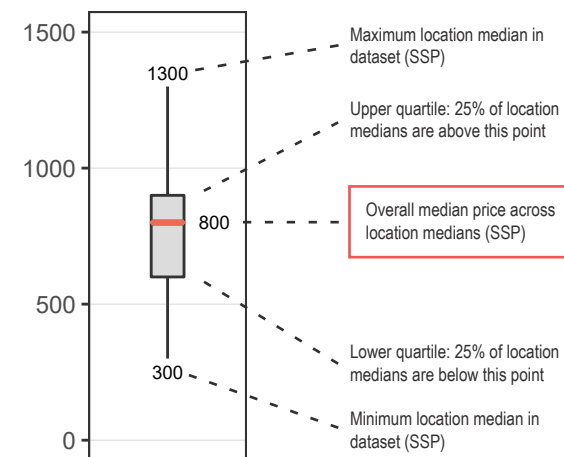
* The 'location median' is calculated by first finding the median price of a given item in each assessed location, then taking the median of the resulting set of median prices.

APPENDIX

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)
Central Equatoria																							
Juba	Juba	180	180	300	250	na	475	240	200	400	53	225	2,100	200	3,800	2,000	4,050	800	650	80	18,500	3,500	20
Eastern Equatoria																							
Magwi	Nimule	126	120	250	338	559	443	323	200	400	67	400	2,250	50	4,000	2,500	3,500	600	500	58	na	2,500	20
Torit	Torit	400	450	220	300	113	400	300	147	600	67	200	na	210	4,500	3,528	4,000	250	625	49	na	na	93
Jonglei																							
Akobo	Akobo	262	311	704	563	na	na	611	339	1,000	200	800	800	na	na	na	5,000	700	900	207	7,000	na	86
	Bor PoC	160	na	282	225	533	466	323	200	600	92	300	na	350	na	na	5,000	na	600	87	na	na	100
Twic East	Panyagor	na	na	600	282	na	665	538	300	467	83	350	1,050	100	na	3,000	7,000	na	600	87	18,500	2,250	150
Uror	Pieri	150	na	na	na	na	na	na	678	1,000	200	na	na	na	na	na	na	325	500	Uror	na	na	na
Lakes																							
Awerial	Mingkaman	200	na	350	335	300	500	300	300	600	100	300	625	300	3,000	3,000	7,000	625	800	69	8,750	2,000	200
Rumbek Centre	Rumbek	111	144	300	375	95	600	335	200	450	67	900	1,250	125	na	3,900	4,500	225	50	na	9,500	1,800	20
Unity																							
Panyijiar	Nyal	213	215	423	338	na	532	367	204	700	100	450	3,500	200	9,250	5,000	na	na	100	232	na	na	na
Pariang	Ajuong Thok	78	na	400	600	187	140	450	300	700	83	400	800	200	1,000	4,800	6,000	1,500	100	29	na	na	19
	Jamjang	95	na	552	na	187	84	519	350	500	100	na	na	na	na	na	na	na	na	na	10,000	1,200	26
	Pamir	63	na	450	800	na	na	550	340	500	100	na	na	na	na	na	na	na	na	na	na	na	23
Rubkona	Bentiu	182	502	493	450	629	499	470	204	850	167	1,150	1,800	275	na	9,250	8,250	625	550	68	14,250	1,800	40
	Rubkona	224	395	563	450	447	443	470	238	1,000	150	1,050	1,650	275	15,000	9,500	6,750	450	600	60	18,000	1,900	35
Upper Nile																							
Malakal	Malakal PoC	151	167	147	282	349	388	204	68	800	200	700	700	100	na	5,000	na	700	70	52	16,000	1,350	23
Melut	Melut	na	na	500	676	489	554	387	136	500	200	250	1,500	180	5,000	5,500	8,000	1,500	275	83	10,000	1,000	86
	Paloich	240	525	400	500	400	554	180	136	267	200	300	2,500	100	5,000	6,000	8,000	700	300	166	12,000	2,500	100
Renk	Renk	101	na	375	525	140	1,200	300	100	800	100	250	1,200	120	1,000	1,025	5,500	550	100	166	na	1,300	7
Western Bahr el Ghazal																							
Wau	Wau	150	200	300	400	100	800	400	200	500	73	600	500	175	4,500	4,400	5,000	500	800	58	12,500	3,000	25
Western Equatoria																							
Maridi	Maridi	75	90	350	270	503	400	260	149	260	67	550	2,500	100	2,500	6,000	4,500	600	150	58	13,500	2,250	15
Yambio	Yambio	na	66	na	248	335	421	344	200	500	67	600	na	100	na	3,750	na	775	900	45	na	na	17
Overall median		151	200	388	357	342	475	344	200	550	100	400	1,375	178	4,250	4,400	5,250	625	525	68	12,500	1,950	26

na: no price data available

APPENDIX

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
Central Equatoria																				
Juba	Juba	60	60	60	30	na	60	44	60	45	11	60	60	60	75	75	90	3	5	7
Eastern Equatoria																				
Magwi	Nimule	22	18	18	14	14	14	14	25	14	14	18	21	45	28	28	28	14	14	14
Torit	Torit	44	32	21	45	21	21	18	21	18	21	120	na	90	150	135	120	30	21	15
Jonglei																				
Akobo	Akobo	22	14	17	6	na	na	2	18	11	18	6	10	na	na	na	6	5	10	11
	Bor PoC	6	na	9	14	14	45	5	30	21	12	60	na	30	na	na	2	na	1	1
Twic East	Panyagor	na	na	105	105	na	105	120	60	75	105	75	32	41	na	45	30	na	3	3
Uror	Pieri	14	na	na	na	na	na	na	8	14	9	na	na	na	na	na	na	na	7	7
Lakes																				
Awerial	Mingkaman	30	na	26	30	30	45	30	30	30	30	19	30	75	30	30	30	5	8	7
Rumbek Centre	Rumbek	10	6	5	8	4	14	8	18	9	6	21	15	18	na	45	44	5	12	15
Unity																				
Panyijiar	Nyal	26	21	14	45	na	26	30	30	30	60	75	75	75	45	60	na	na	30	28
Pariang	Ajuong Thok	1	na	6	21	14	25	6	14	11	5	30	14	15	6	30	15	na	45	na
	Jamjang	3	na	17	na	3	21	11	7	18	10	na	na	na	na	na	na	7	na	30
	Pamir	10	na	6	26	na	na	6	28	6	10	na	na	na	na	na	na	na	15	20
Rubkona	Bentiu	5	4	10	6	11	10	7	5	7	5	6	7	6	na	18	10	2	4	5
	Rubkona	5	5	6	6	7	6	6	3	4	6	5	5	17	14	26	6	1	3	6
Upper Nile																				
Malakal	Malakal PoC	2	14	7	7	11	7	5	7	7	14	18	56	37	na	56	na	2	2	4
Melut	Melut	90	14	90	135	67	41	90	67	90	75	75	44	37	14	14	18	6	4	3
	Paloich	60	21	60	60	21	30	60	60	60	14	28	14	14	14	14	14	2	2	2
Renk	Renk	90	na	14	21	45	25	30	90	21	60	21	21	21	30	45	26	1	2	2
Western Bahr el Ghazal																				
Wau	Wau	21	25	21	21	26	25	21	21	21	21	29	41	59	41	26	29	10	13	22
Western Equatoria																				
Maridi	Maridi	21	105	60	60	60	60	90	90	30	30	75	120	90	105	90	60	na	25	21
Yambio	Yambio	14	14	na	7	7	21	14	4	11	5	21	60	60	60	60	30	na	31	40

na : no stock level data available   : none of interviewed traders reported currently being able to restock this item

Methodology

The JMMI aims to inform market-based programming in South Sudan. Coverage depends on the interest of the partner organisations and their field teams' capacities to regularly collect market data. Locations are added once partners willing to cover them are identified, and their field teams are trained. As the initiative is currently being built up, coverage will likely be expanded in future data collection rounds.

In each assessed location, at least four prices per food, non-food, and livestock item need to be collected from different traders to ensure the quality and consistency of the collected data (2 for currencies and milling costs, 5 for casual labor). In line with the purpose of the JMMI, only the prices of the cheapest available types are recorded for each item.

Partner field teams identify traders to assess based on the following criteria:

- Traders are retailers selling directly to consumers.
- Traders with weight scales are prioritised when recording prices of dry food items.
- Traders need to be representative of the local price level.
- To the extent possible, the same traders are revisited in every data collection round.

The data is collected by field staff familiar with the local market conditions. They are trained on methodology and tools by REACH. Data collection is conducted through the ODK Collect mobile application. The data collection tool is published alongside the dataset every month and disseminated to the humanitarian community.

Following data collection, REACH compiles and cleans all partner data, normalising prices, cross-checking outliers, and calculating the median cost of an MSSMEB in each assessed location.

The median item prices reported in this factsheet are 'location medians', designed to minimise the effects of outliers and differing amounts of data among assessed locations. First, the median prices of all assessed items are calculated within each assessed location; then, REACH calculates the median of this list of medians. All MSSMEB and price index calculations are created using this method.

MSSMEB Calculation

- The cost of the MSSMEB is calculated by multiplying the median price of each item in the respective location by the quantity listed in the table on page 2.
- Sorghum grain prices are used for the calculation of the cereal component, and maize grain prices for areas where maize is more commonly consumed. In areas where both cereals are consumed equally, the price of the cheaper item is used.
- Bean prices are used for the pulse component.
- Rather than the prices of vegetable oil, the prices of the cheapest locally available cooking oil is used.
- For airtime, a monthly cost of 1 USD is assumed, based on the rates of local telecom providers.
- All USD amounts are converted to SSP using the local parallel market exchange rates.
- If a component of the MSSMEB is unavailable in a location, the overall median price is used for the calculation of the index.

More details on the methodology can be found in the JMMI terms of reference (ToR).

Challenges and Limitations

- Price data is only indicative for the time frame within which it was collected. Prices may vary between data collection rounds.
- The JMMI data collection tool requests the cheapest available type of each item to be recorded, as availability varies across regions. Therefore, price comparisons across regions may be based on slightly varying products.
- Standardising unit sizes of dry food items is inherently difficult in South Sudan, as many traders sell commodities by volume rather than weight. This may create a measurement error.
- With current coverage, data is mostly collected from main markets, which may not be representative of rural areas.
- As the JMMI continues to expand and is extended to additional locations, the reported changes in the overall median prices may be driven by shifts in coverage rather than actual price changes.

Participating Agencies

- **ACTED** – *Agency for Technical Cooperation and Development*
- **CAFOD-Trócaire** – *Catholic Agency for Overseas Development & Trócaire*
- **CARE**
- **Caritas**
- **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	
December	December
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 (2020, January 2). Retrieved from www.bankofsouthsudan.org. The rates from 2 December and 2 January 2020 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.