



Introduction

The Yemen Joint Market Monitoring Initiative (JMMI) was launched by REACH in collaboration with the Water, Sanitation, and Hygiene (WASH) Cluster and the Cash and Market Working Group (CMWG) to support humanitarian actors with the harmonization of price monitoring among all cash actors in Yemen. The JMMI incorporates information on market systems including price levels and supply chains. The basket of goods to be assessed includes 10 non-food items (NFIs), such as fuel, water, and hygiene products, reflecting the programmatic areas of the WASH Cluster. The JMMI tracks all components of the WASH and Food Survival Minimum Expenditure Basket (SMEB) as well as other food and non-food items. In light of the current COVID-19 pandemic, REACH has adapted the JMMI to begin assessing the potential impact of the pandemic on markets and on respondents' businesses.

Methodology

Data was collected through interviews with vendor key informants (KIs), selected by partner organisations from markets of various sizes in both urban and rural areas. Following data collection, REACH compiles, cleans and analyzes all data, through detailed follow-ups with partners. Findings are **indicative** for the assessed locations and time frame in which the data was collected. From April to September 2020, data for the JMMI was collected on a bi-weekly basis to better track disruptions caused by COVID-19. COVID-specific JMMI factsheets were produced bi-weekly, and a more comprehensive situation overview using data from both factsheets was produced monthly. After discussion with the CMWG, REACH resumed data collection on a monthly basis in September 2020, and resumed producing one monthly situation overview. Please refer to page 12 for additional methodological details.

JMMI monthly figures

Data collection 5th - 10th of September

- 16 Participating partners
- 16 Governorates assessed
- 56 Districts assessed
- 260 Vendor KIs surveyed

Assessed items	August 2021 prices in YER	September 2021 prices in YER	Change (from August 2021)
Full SMEB* (dry beans)	75660	79212	+4.5%
WASH SMEB**	14960	16687	+10.3%
Soap (100g)	200	200	0.0%
Laundry powder (100g)	153	150	-2.0%
Sanitary napkins (10 Pack)	700	638	-9.7%
Water trucking (1m ³)	2000	2667	+25.0%
Petrol (1L)	565	610	+7.4%
Diesel (1L)	660	700	+5.7%
Bottled water (0.75L)	150	150	0.0%
Treated water (10L)	100	100	0.0%
Bleach (1L)	1000	900	-11.1%
Cooking gas (1cylinder)	7000	6000	-16.7%
Food SMEB (dry beans)[^]	60700	62525	+2.9%
Food SMEB (canned beans)[§]	67700	68525	+1.2%
Wheat flour (1 kg)	480	490	+2.0%
Rice (1 kg)	950	1000	+5.0%
Dry kidney beans (1 kg)	1100	1200	+8.3%
Canned kidney beans (15 oz can)	500	500	0.0%
Lentils (1 kg)	800	900	+11.1%
Vegetable oil (1L)	1500	1500	0.0%
Sugar (1 kg)	620	650	+4.6%
Salt (1 kg)	150	150	0.0%
Potatoes (1 kg)	500	500	0.0%
Onions (1 kg)	450	500	+10.0%

* Includes WASH and food SMEB; excludes cooking gas, NFI/Shelter and Services.

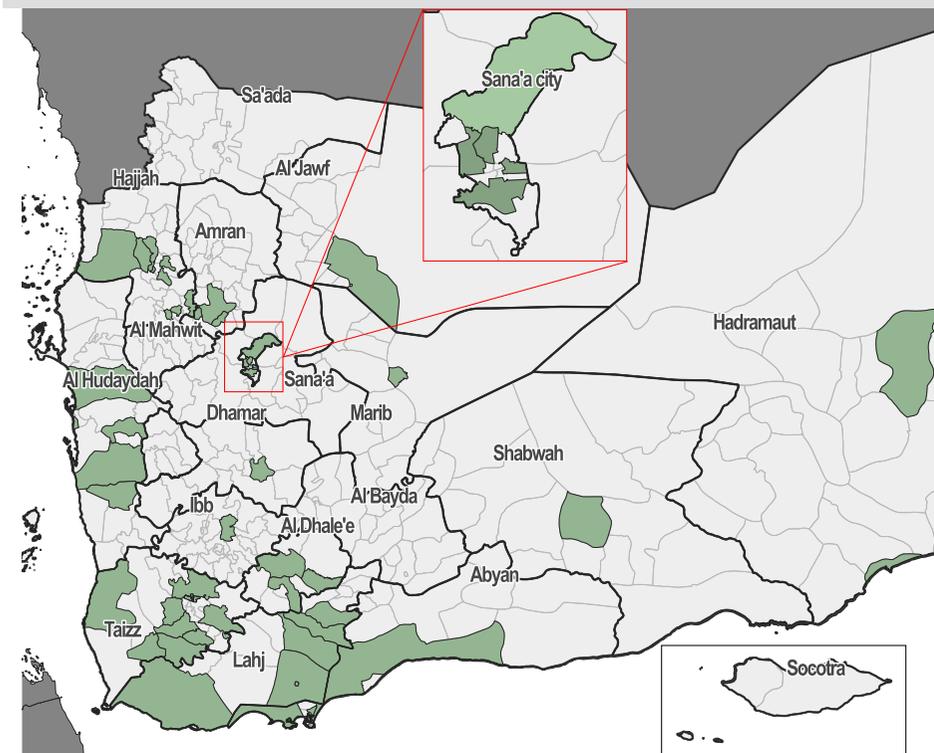
** Contains soap (1.05 kg), laundry powder (2 kg), sanitary napkins (50 units), and water (3.15 m³). Sanitary napkins' units were changed from 20 to 50 based on CMWG's September SMEB revision.

[^] Contains wheat flour (75 kg), dry beans (10 kg), vegetable oil (8 L), sugar (2.5 kg), salt (1 kg)

[§] Contains wheat flour (75 kg), canned beans (36 cans), vegetable oil (8 L), sugar (2.5 kg), salt (1 kg)

Key findings

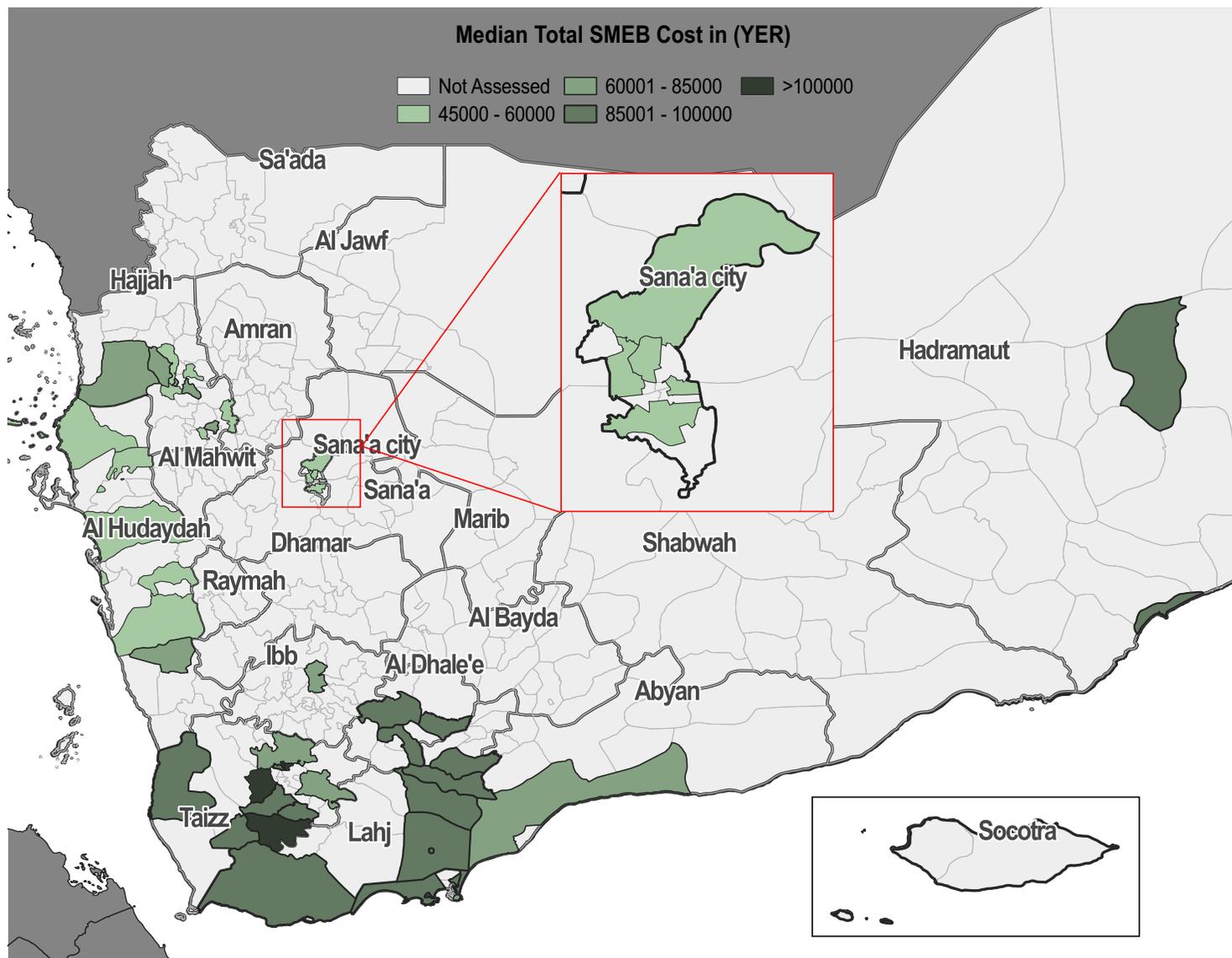
- **Exchange rates for new notes increased with 4%** compared to August, as it was reported at a median rate of 1040 YER to one USD.
- The **total SMEB cost** was found to have **increased by 4.5% since the last round of data collection in August**. The national WASH SMEB cost increased by 10.3%, due to the increased water trucking cost (25%). However, looking at the cost trend over time, the rise in water trucking price remains stable as the increase in cost of this round was preceded by a temporary drop in price between July and August (33.3%).
- **Petrol and diesel prices rose compared to the previous month**. Petrol was reported at a national median 610 YER (+7.4%) and diesel at 700 YER (+5.7%). A cylinder of cooking gas decreased in price with 16.7% with a national median price of 6000 YER.
- **Price inflation**, followed by **transportation challenges**, remain the most commonly reported constraint faced by the vendor KIs when obtaining fuel, WASH items, food items, and water trucking services. Fuel and water trucking vendors further report decreased supply as a major constraint, whereas food and WASH vendors report liquidity issues as a constraint.
- In September, **vendors ability to respond to an increase in demand continued to decline**.
- **Restocking times rose to around 10 days in Lahj** governorate for all commodity items. In Al Hudayda and Hajjah, the restocking time for fuel is also high (10 and 12 days), whereas this decreased in Amran from 19 days to 6. WASH items were reported at a high restocking time in Hadramaut (12 days).



Exchange Rate

250	599	597	1040	1000
▲ 0.0%	▲ 0.3%		▲ 4.0%	
USD/YER	USD/YER	USD/YER	USD/YER	USD/YER
Official	Parallel market (in DFA)	Parallel Market rate (in DFA) August 2021	Parallel market (in IRG) rate September 2021	Parallel Market rate (in IRG) August 2021

Total SMEB prices (5-10 September 2021)*,^



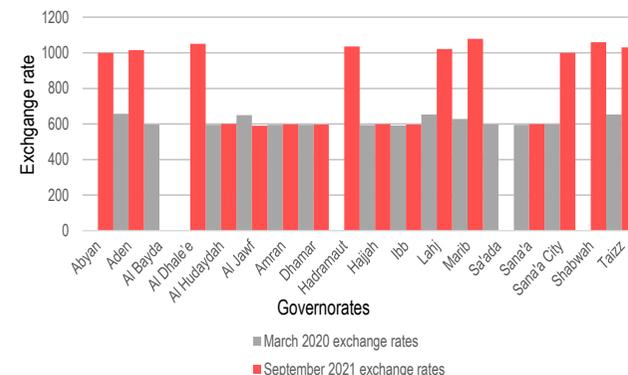
*Total SMEB cost in the legend represents the calculated food basket cost with dry beans.
 ^Red outlines over districts indicate the districts for which outliers were recorded.

Exchange rate (YER/USD)*

Governorate	March 2020 ^A	August 2021	September 2021
Abyan	NA	1000	1000
Aden	658	985	1015
Al Bayda	596	NA	NA
Al Dhale'e	NA	NA	1050
Al Hudaydah	595	597	600
Al Jawf	650	590	590
Amran	595	596	598
Dhamar	595	598	596
Hadramaut	NA	NA	1035
Hajjah	594	597	599
Ibb	592	597	597
Lahj	654	1000	1021
Marib	628	NA	1079
Sa'ada	598	NA	NA
Sana'a	595	596	599
Sana'a City	598 (628)	597	1000
Shabwah	NA	1000	1060
Taizz	654	950	1030

*New banknote exchange rates / Exchange rate for the new currency released last year is in parenthesis.
 NA (not applicable) data was not available.
^AMarch was chosen as a baseline to assess the effect of COVID-19 on exchange rates.

Exchange rate in March 2020 and September 2021



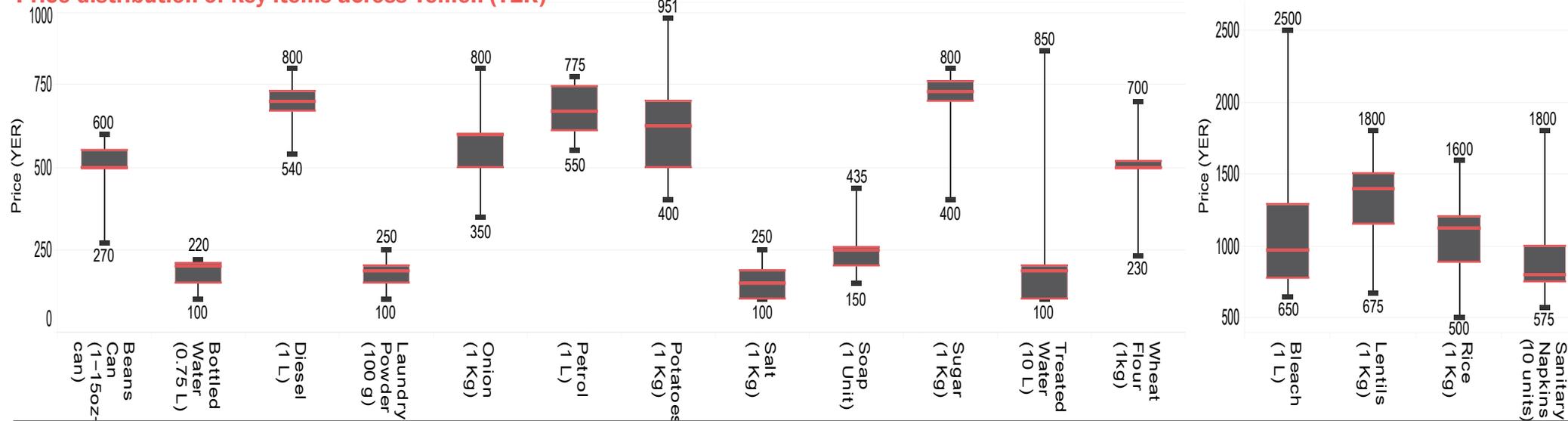
*Governorate labels point to two bars indicating March 2020 base values and September 2021 values. Gaps between bars indicates that no exchange rate value was recorded in this governorate.

Price per key item, per governorate (YER)*

Governorate	Petrol (1L)	Diesel (1L)	Cooking gas (1 cylinder)	Bottled water (0.75L)	Treated water (10L)	Soap (100g)	Laundry powder (100g)	Sanitary napkins (10 units)	Bleach (1L)	Water trucking (1m³)	WASH SMEB	Wheat flour (1kg)	Rice (1kg)	Beans dry (1kg)	Beans cans (15oz)	Lentils (1kg)	Vegetable oil (1L)	Sugar (1kg)	Salt (1kg)	Potatoes (1kg)	Onions (1 kg)	Food SMEB (Dry Beans)	Food SMEB (Canned beans)
Abyan	680	700	5000	100	100	263	150	700	750	2000	15562	530	900	1000	375	NA	1700	650	100	600	600	65075	68575
Aden	610	710	9250	200	100	250	155	800	1200	2500	17600	550	1195	1250	550	1400	1900	740	150	600	600	70950	78250
Al Dhale'e	665	675	7250	210	175	250	180	800	1250	3500	21250	508	1000	1700	513	1000	1838	720	150	800	700	71750	73218
Al Hudaydah	588	600	7000	150	50	150	130	550	600	2300	14170	320	850	600	350	800	1000	400	150	500	400	39150	45750
Al Jawf	550	560	5000	200	NA	350	250	1300	500	2000	21475	296	438	NA	350	NA	1500	420	100	400	400	NA	47950
Amran	540	525	NA	120	150	150	120	500	1000	1750	11988	350	600	NA	300	700	900	350	150	350	325	NA	45275
Dhamar	540	550	7500	120	500	150	130	600	750	1000	10325	280	450	NA	330	800	1200	450	100	300	300	NA	43705
Hadramaut	600	600	3000	150	525	475	270	875	1100	4000	27363	590	950	1000	490	1250	1330	690	275	650	500	66890	74530
Hajjah	550	575	6250	150	100	188	120	500	1000	3000	16324	290	825	800	350	800	1125	450	100	400	500	39975	44575
Ibb	575	540	5000	100	100	200	150	600	850	3000	17550	400	650	1100	325	700	600	500	150	400	350	47200	47900
Lahj	650	700	9000	200	100	200	200	800	1450	1800	15770	500	1195	1900	550	1500	1719	730	150	700	600	72227	73027
Marib	NA	NA	NA	150	100	250	200	1800	800	NA	NA	520	1188	NA	500	1300	1713	734	160	NA	NA	NA	72695
Sana'a	NA	NA	NA	150	150	150	125	450	1000	1500	11050	300	400	NA	350	850	2000	450	100	400	350	NA	52325
Sana'a City	540	540	4800	120	150	150	150	550	700	1500	12050	350	1000	700	350	800	1200	380	100	400	400	43900	49500
Shabwah	738	725	3750	150	NA	325	350	500	600	2600	21103	700	1000	NA	500	300	800	750	300	500	500	NA	79075
Taizz	750	750	5500	200	200	250	200	800	900	3000	20075	500	1000	2000	525	1300	1838	770	175	700	600	74304	73204
National median price	610	700	6000	150	100	200	150	638	900	2667	16687	490	1000	1200	500	900	1500	650	150	500	500	62525	68525

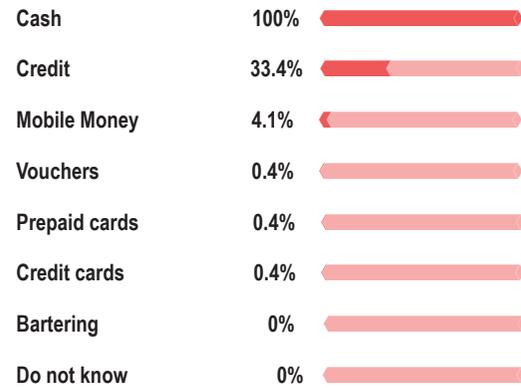
*Darker colour strokes indicate high outliers for each commodity, lighter colour strokes indicate the low outliers of each commodity. NA (not applicable) data was not available.

Price distribution of key items across Yemen (YER)



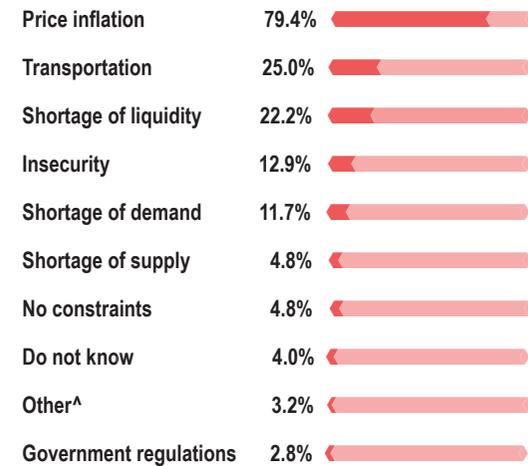
WASH SMEB*

WASH vendor KIs reported accepting the following payment



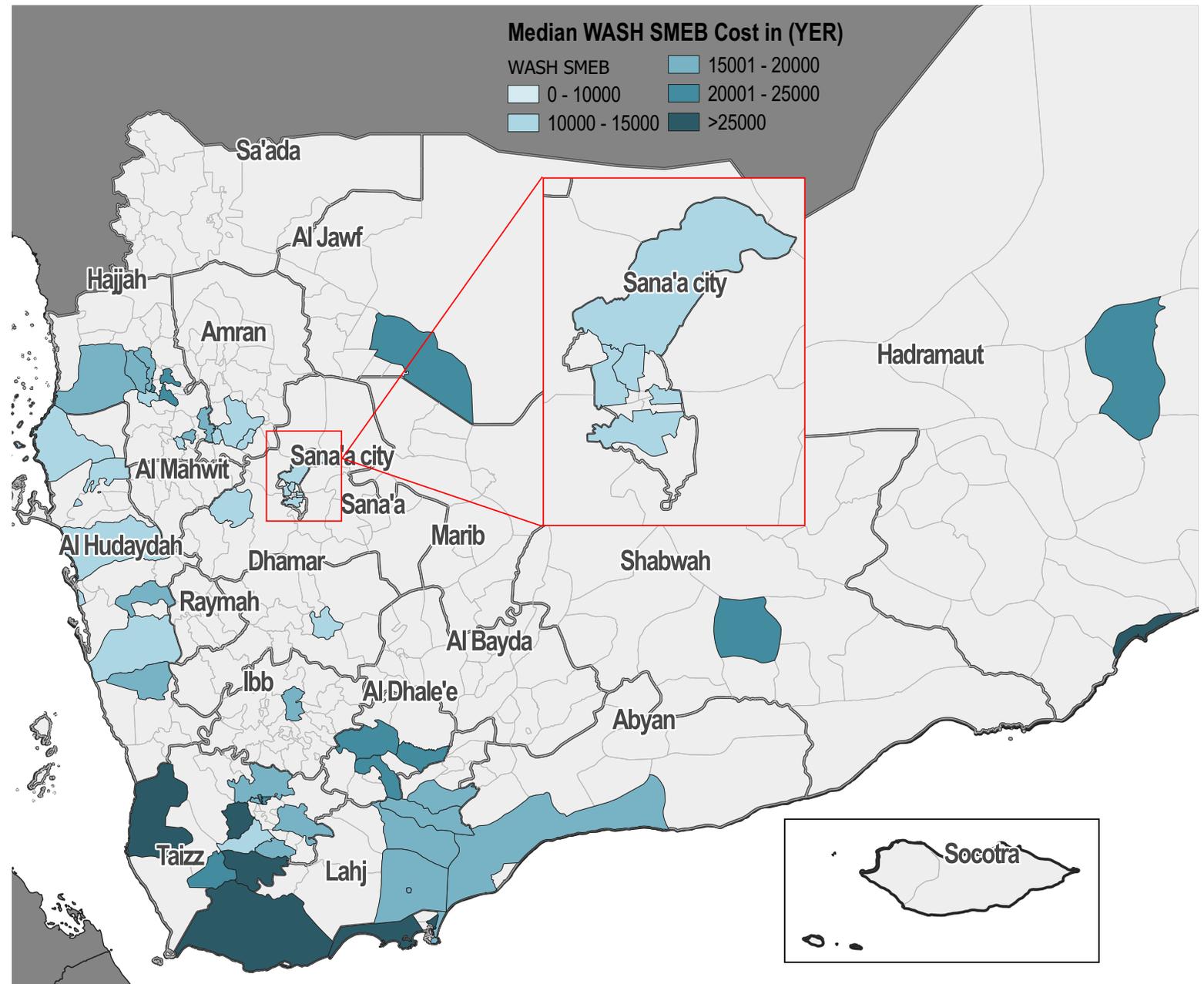
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Most commonly reported constraints, by % of WASH vendor



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

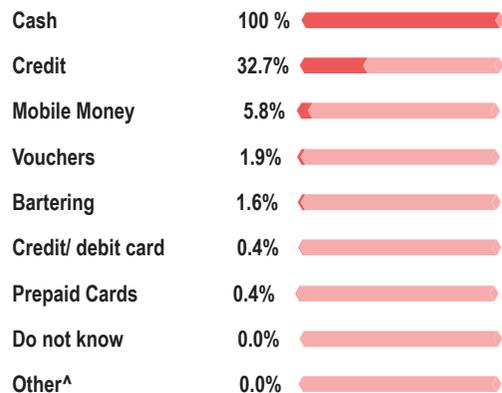
^Includes increased lack of oil derivatives and increasing fuel prices.



*Red outlines over districts indicate the districts for which outliers were recorded.

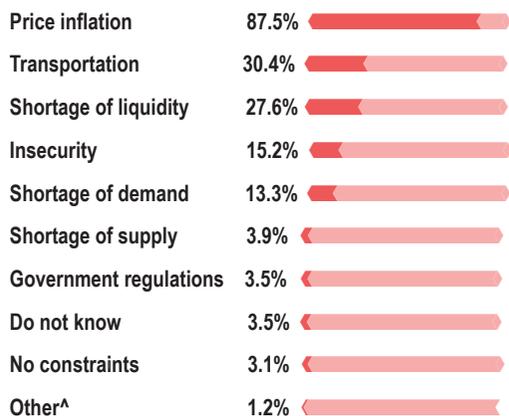
Food SMEB*

Food vendor KIs reported accepting the following payment modalities*



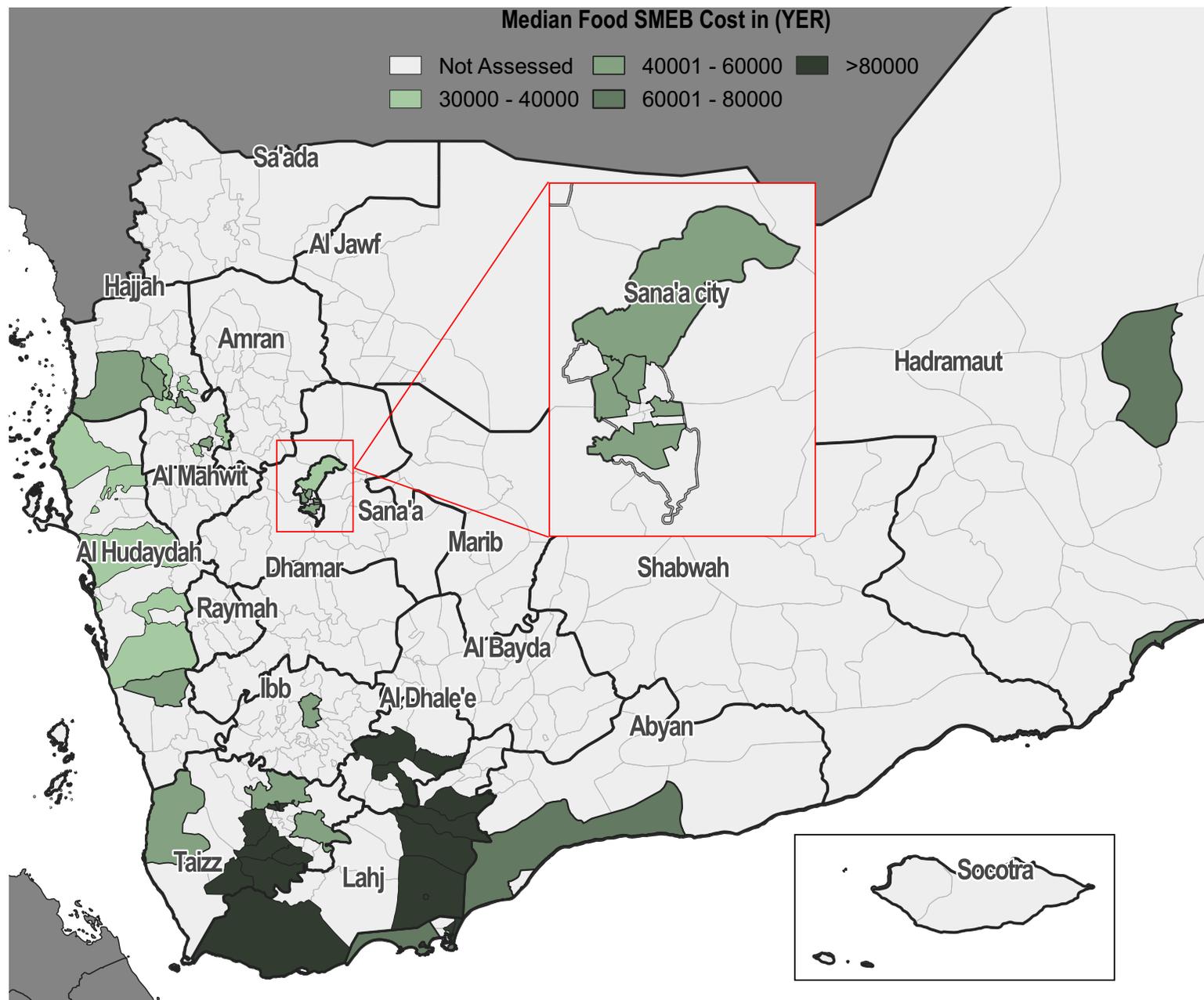
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Most commonly reported constraints, by % of food vendor

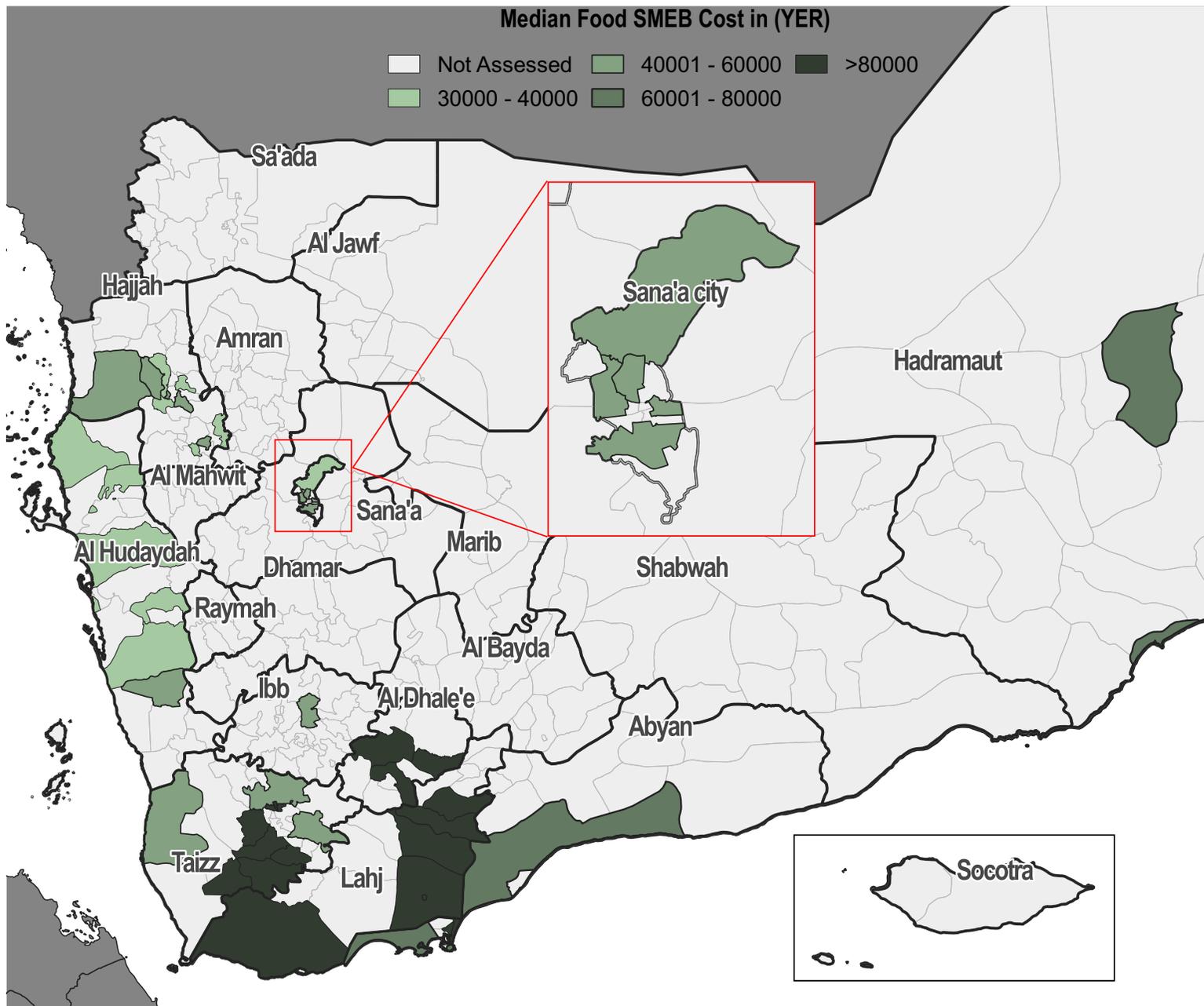


*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

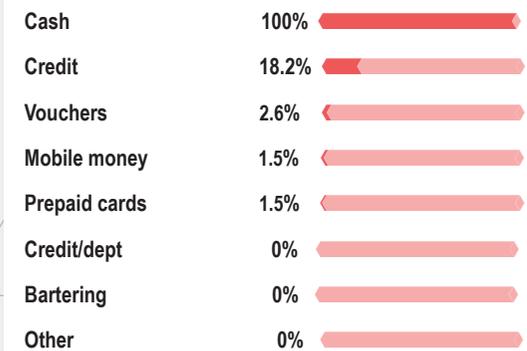
^Includes increased lack of oil derivatives, high exchange rate and the increment in fuel prices.



*Total SMEB cost in the legend represents the calculated food basket cost with dry beans.

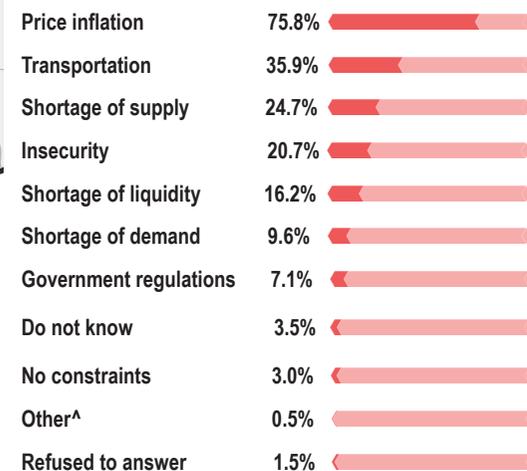


Fuel vendor KIs reported accepting the following payment modalities*



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

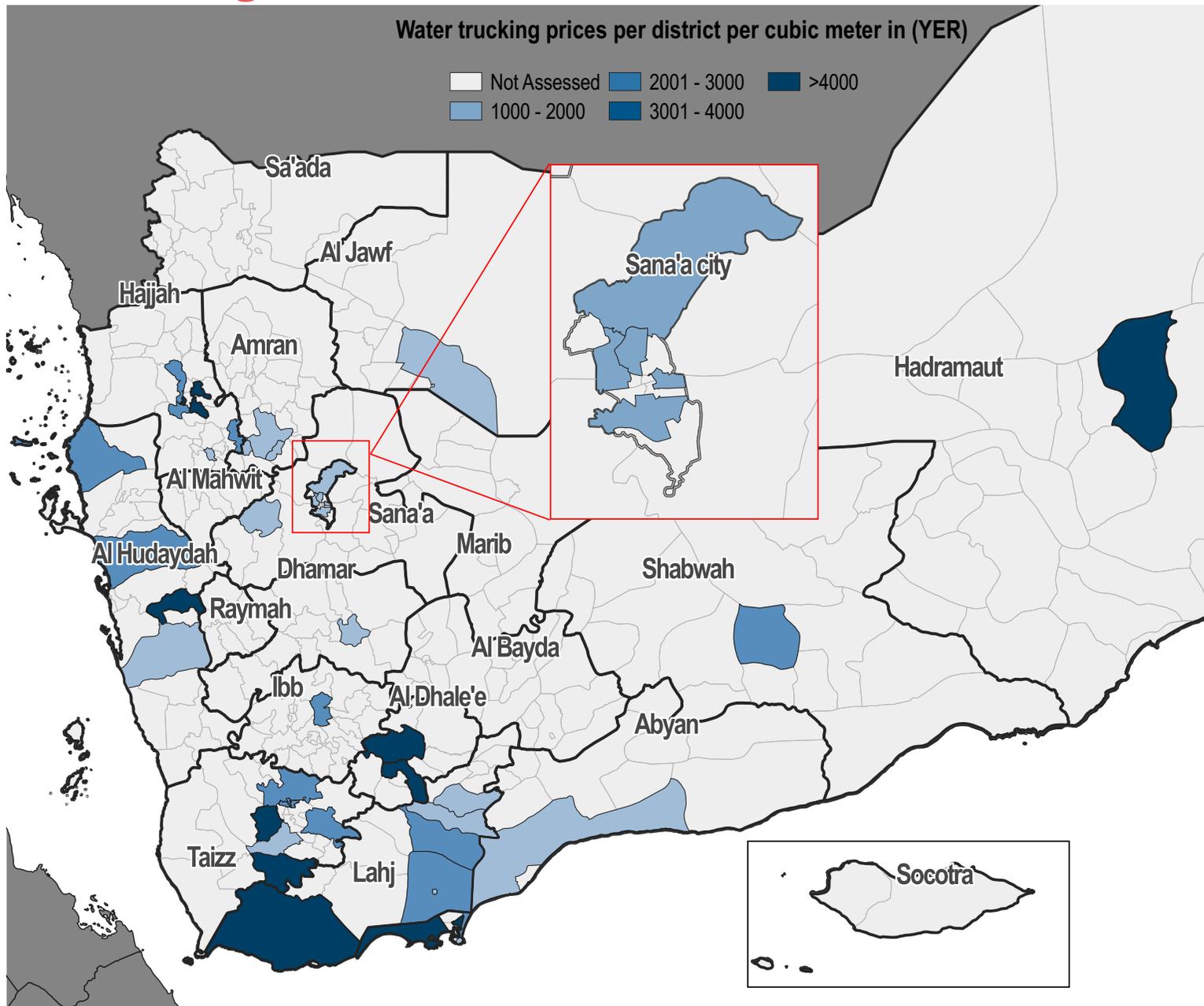
Most commonly reported constraints, by % of fuel vendor KIs*



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

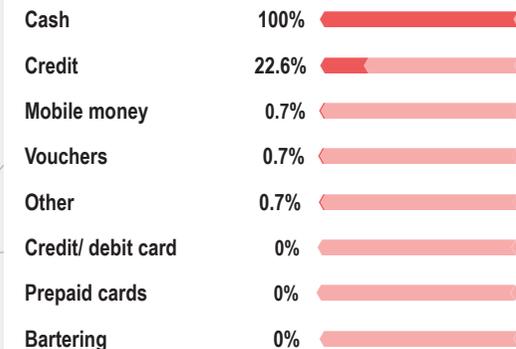
^Includes increased lack of oil derivatives.

Water Trucking



Red outlines over districts indicate the districts for which outliers were recorded.

Water trucking vendor KIs reported accepting the following payment modalities*



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

^Includes

Most commonly reported constraints, by % of water trucking



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

^Includes increased electricity problems and lack of oil derivatives.

SUPPLY CHAIN OVERVIEW FOR YEMEN

Median price of goods originating from Aden and Al Hudaydah

Vendor KIs were asked about the origin of various products sold in their stores. The two main ports of origin for these products were Aden and Al Hudaydah. The table below shows the median price of goods originating from these two ports.

Item	Al Hudaydah (price in YER)	Aden (price in YER)
Petrol (1L)	575	695
Diesel (1L)	575	705
Cooking Gas (1 cylinder)	6800	6650
Bottled water (0.75L)	150	200
Treated water (10L)	50	200
Bleach (1L)	560	1100
Soap (100g)	150	300
Laundry Powder (100g)	130	200
Sanitary Napkins (10 units)	550	800
Water trucking (1m ³)	2500	3000
Wheat Flour (1kg)	325	575
Rice (1kg)	700	1200
Beans Dry (1kg)	1000	2000
Beans Can (15oz can)	350	550
Lentils (1kg)	775	1500
Vegetable Oil (1L)	1350	2000
Sugar (1kg)	450	800
Salt (1kg)	100	150
Potatoes (1kg)	400	725
Onions (1kg)	400	700

Average reported restocking time (days)*^

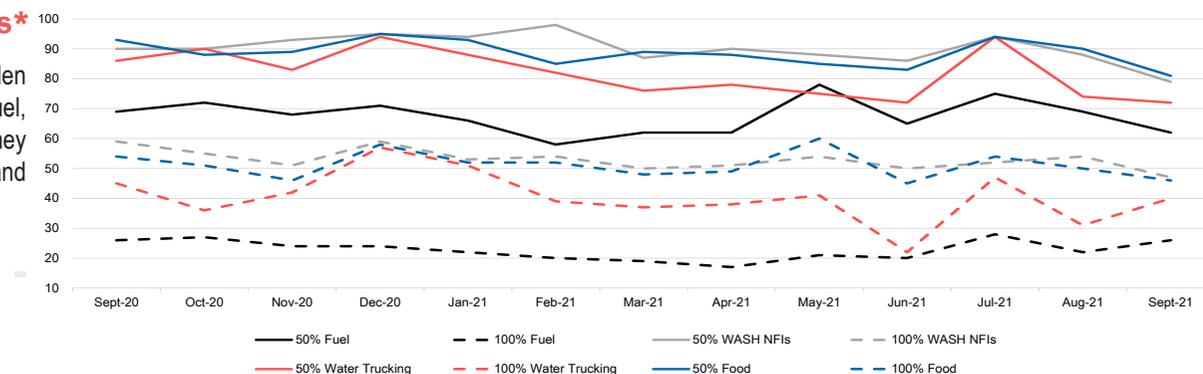
Governorate	Fuel Items	WASH Items	Food Items
Abyan	5(5)	4(4)	4(4)
Aden	2(4)	2(2)	2(3)
Al Dhale'e	4(4)	2(2)	3(3)
Al Hudaydah	10(10)	7(13)	6(12)
Al Jawf	4(8)	5(6)	4(4)
Amran	6(19)	3(3)	4(4)
Dhamar	3(NA)	1(4)	2(3)
Hadramaut	5(5)	12(13)	7(13)
Hajjah	12(7)	4(7)	4(5)
Ibb	3(6)	3(3)	3(NA)
Lahj	11(7)	10(7)	9(6)
Marib	NA(NA)	2(2)	2(2)
Sana'a	NA(30)	1(2)	1(2)
Sana'a City	7(11)	5(3)	3(2)
Shabwah	4(1)	4(1)	5(1)
Taizz	7(7)	6(7)	6(6)

*Previous average restocking time (August 2021) in days between brackets.

^ Darker colour strokes indicate high outliers for each commodity, lighter colour strokes indicate the low outliers of each commodity. NA (not applicable)

Vendor capacity to respond to a sudden increase in demand: Proportion of vendors able to absorb a 50% and 100% increase in demand for key items*

To understand vendor capacity to cope with sudden increases in the demand for water trucking, fuel, and WASH items, vendor KIs were asked if they would be able to increase their stock by 50% and 100% respectively.

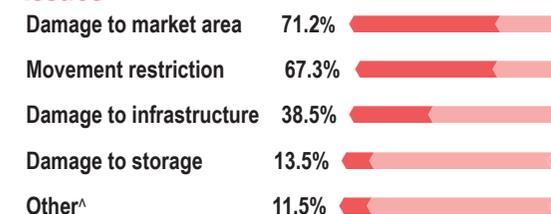


*Between April and August 2020, two rounds of data collection were held each month to monitor the foreseen more rapid changes as a result of the COVID-19 pandemic and restrictions

Effect of supply route changes on businesses

Overall, 20.0% of vendor KIs (52/260) reported having faced supply chain disruptions in the 30 days prior to data collection. Those vendors were asked which supply chain issues they had faced (see graph on the right).

Most commonly reported supply chain issues*



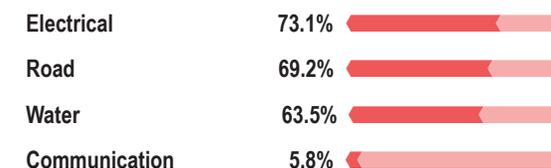
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

^Other includes: "Lack of oil derivatives" and "high exchange USD/YER rate".

Damaged infrastructure affecting vendor capacity to conduct business

Most commonly reported infrastructure damage*

The 36 vendor KIs who reported "damage to the market area" and/or "damage to the market facility" as concerns affecting their capacity to run their businesses were then asked which type of infrastructure was most damaged.

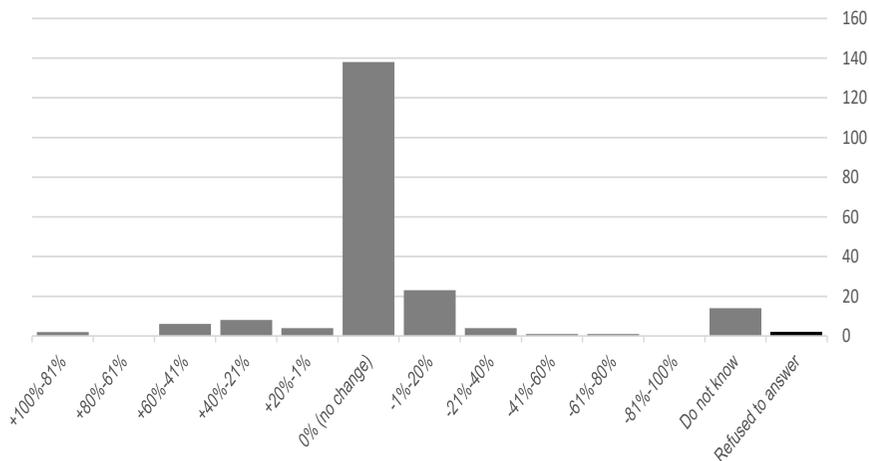


*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Impact of COVID-19 on respondents' businesses*

Reported estimated change in number of customers in the two weeks prior to data collection

Overall, about half of vendor KIs (58.1%, 151/260 vendors) reported having perceived no change in the number of customers in the two weeks prior to data collection. 17.3% or 45/260 of vendors reported having experienced a decrease in the number of customers. 7.7% or 20/260 of vendors reported having experienced an increase in the number of customers.



Of the 260 vendor KIs surveyed, 6.5% (17/260) reported having faced difficulties obtaining key commodities due to disruptions caused by COVID-19 measures in the two weeks prior to data collection.

Average number of businesses closures by governorate[^]

The reported number of businesses within a 2 minute walk from vendor KIs' stalls being closed in the two weeks prior to data collection (251 businesses) increased by 64.5% compared to the last round of data collection in August (162 businesses).



Average reported number of nearby businesses that were open in March 2020*

14

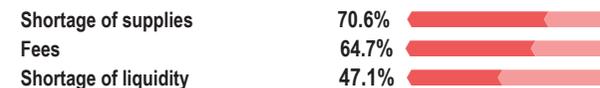
Average reported number of nearby businesses that were closed in September 2021[^]

1.7

Average reported number of nearby businesses that were closed in August 2021[^]

1

Top 3 COVID-19 related constraints*



Results from the previous JMIMI round (8 - 12 August)



*Based on the responses from the 6.5% (17/260) of vendor KIs who had difficulties obtaining goods due to COVID-19.

Top 3 most difficult goods to obtain[^]



Results from the previous JMIMI round (8 - 12 August)



[^]Based on the responses from the 6.5% (17/260) of vendor KIs who had difficulties obtaining goods due to COVID-19.

ABOUT REACH'S COVID-19 RESPONSE

As an initiative deployed in many vulnerable and crisis-affected countries, REACH is deeply concerned by the devastating impact the COVID-19 pandemic may have on the millions of affected people we seek to serve. REACH works with Cash Working Groups and Partners to provide up-to-date evidence to inform the humanitarian responses in the countries where we operate. COVID-19-relevant market monitoring and market assessments are a key area where REACH aims to leverage its existing expertise to help humanitarian actors understand the impact of changing restrictions on markets and trade. Updates regarding REACH's response to COVID-19 can be found in [a devoted thread](#) on the REACH website. Contact geneva@impact-initiatives.org for further information.

*REACH and the CMWG are in the process of reviewing the COVID-19 indicators and questions to assess the validity and the analysis. We ask readers to account for this while interpreting the findings represented here.

DISTRICTS COVERED*

Governorate	District	Petrol price	Water Trucking	SMEB WASH	SMEB Food	SMEB Total	Fuel: Supplier Governorate	Fuel: Total number of respondents ^A	WASH: Supplier Governorate	WASH: Total number of respondents ^A	Food: Supplier governorate	Food: Total number of respondents ^A
Hajjah	Abs	540	9450	16975	43200	66550	NA	NA	NA	NA	NA	NA
Al Dhale'e	Ad Dhale'e	630	11025	21650	70110	96260	Al Dhale'e	5/5	Al Dhale'e	5/5	Al Dhale'e	10/15
Lahj	Al Hawtah	625	5040	15420	72525	97945	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Al Mukha	775	9450	29075	59900	95775	Aden	3/3	Aden	6/6	Aden	3/3
Aden	Al Buraiqeh	610	18113	28213	69350	106963	Aden	5/5	Aden	5/5	Aden	5/5
Al Hudaydah	Al Hawak	540	7560	14635	42150	65185	NA	NA	NA	NA	NA	NA
Sana'a	Al Haymah Ad	NA	4725	11050	NA	NA	NA	NA	Taizz	3/3	Taizz	3/3
Al Jawf	Al Hazm	550	6300	21475	NA	NA	Marib	3/3	Taizz	3/3	Taizz	3/3
Taizz	Al Ma'afar	750	3150	13250	72677	91427	Aden	4/8	Aden	4/8	Aden	6/10
Lahj	Al Madaribah Wa	700	15750	25850	70750	105600	Aden	3/3	Aden	3/3	Aden	3/3
Hajjah	Al Mahabishah	560	13126	20826	44750	70976	Taizz	3/5	Hajjah	5/9	Hajjah	5/9
Ibb	Al Makhadir	575	9450	17550	47200	69750	Ibb	3/3	Ibb	3/3	Ibb	3/3
Taizz	Al Mawasit	745	9450	19825	73952	101277	NA	NA	Taizz	1/1	Aden	3/4
Lahj	Al Milah	660	9450	19190	74650	98040	Lahj	2/3	Lahj	2/3	Lahj	2/3
Taizz	Al Mudhaffar	750	8663	19813	75750	100563	Aden	8/9	Aden	8/9	Aden	8/9
Hadramaut	Al Mukalla City	600	12600	30850	65600	99450	Hadramaut	3/3	Hadramaut	3/3	Hadramaut	3/3
Taizz	Al Qahirah	750	9450	20850	82450	108750	Aden	9/9	Aden	9/9	Aden	9/9
Al Hudaydah	Al Qanawis	700	7560	14135	40725	64860	Al Hudaydah	2/2	Al Hudaydah	9/9	Al Hudaydah	9/9
Taizz	Al Wazi'iyah	730	9450	21600	72225	108025	Aden	3/3	Aden	3/3	Aden	3/3
Al Hudaydah	Alluheyah	600	7245	13845	36725	55570	Al Hudaydah	6/7	Al Hudaydah	7/9	Al Hudaydah	7/9
Amran	Amran	540	6169	12907	NA	NA	Amran	3/3	NA	NA	NA	NA
Sana'a City	As Sabain	540	6300	12975	45775	64250	Sana'a City	3/5	Sana'a City	3/5	Sana'a City	3/5
Al Hudaydah	As Sukhnah	550	11025	17950	38500	66450	Al Hudaydah	3/3	Al Hudaydah	3/3	Al Hudaydah	3/3
Aden	Ash Shaikh Othman	610	15750	25375	71650	101625	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Ash Shamayatayn	750	15750	26375	73755	105130	Aden	4/6	Aden	4/6	Aden	4/6
Al Dhale'e	Ash Shu'ayb	NA	11813	21568	73850	103218	NA	NA	Aden	3/3	Aden	3/3
Hajjah	Aslem	540	9450	16975	43200	66550	NA	NA	NA	NA	NA	NA
Taizz	At Ta'iziyah	575	9450	17150	51350	77000	Taizz	3/3	Taizz	3/3	Taizz	3/3
Shabwah	Ataq	738	8190	21103	NA	NA	Aden	3/6	Aden	3/6	Aden	3/5
Sana'a City	Ath'thaorah	540	4725	11735	44575	61460	Sana'a	3/3	Sana'a	3/3	Sana'a	3/3
Sana'a City	Az'zal	540	4095	11670	43825	60645	Sana'a	3/3	Sana'a	3/3	Sana'a	3/3
Al Hudaydah	Bajil	620	7875	14850	37650	59300	Al Hudaydah	3/3	Al Hudaydah	3/3	Al Hudaydah	3/3
Sana'a City	Bani Al Harith	540	4725	12300	42825	60688	Sana'a City	3/3	Sana'a City	3/3	Sana'a City	3/3
Al Hudaydah	Bayt Al Faqiah	575	5513	12188	38500	90935	Al Hudaydah	3/3	Al Hudaydah	3/3	Al Hudaydah	3/3
Aden	Craiter	610	5670	15660	66100	NA	Aden	3/3	Aden	3/3	Aden	3/3
Dhamar	Dhamar City	540	3150	10325	NA	78150	Dhamar	2/3	Dhamar	2/3	Dhamar	2/3
Taizz	Dimnat Khadir	575	9450	17550	55600	93810	Taizz	2/3	Taizz	2/3	Taizz	2/3
Lahj	Habil Jabr	690	4410	15010	70800	66695	Aden	3/3	Aden	3/3	Aden	3/3
Hajjah	Hajjah City	540	9450	16975	43345	66695	NA	NA	NA	NA	NA	NA
Taizz	Jabal Habashy	775	15750	28249	86643	120392	NA	NA	NA	NA	NA	NA

CONT.

Governorate	District	Petrol price	Water Trucking	SMEB WASH	SMEB Food	SMEB Total	Fuel: Supplier Governorate	Fuel: Total number of respondents^	WASH: Supplier Governorate	WASH: Total number of respondents^	Food: Supplier governorate	Food: Total number of respondents^
Amran	Jabal Iyal Yazid	NA	3780	10035	NA	NA	NA	NA	Amran	3/3	Amran	3/3
Abyan	Khanfir	680	6300	15562	65075	85637	Abyan	2/3	Abyan	3/5	Abyan	3/5
Hajjah	Khayran Al	550	9450	16025	30350	52375	Hajjah	3/3	Hajjah	3/3	Hajjah	3/3
Aden	Khur Maksar	610	7481	17119	72188	98506	Aden	6/6	Aden	6/6	Aden	6/6
Hajjah	Kuhlan Affar	NA	9450	16210	37225	59810	NA	NA	Amran	3/3	Amran	3/3
Hajjah	Kuhlan Ash Sharaf	550	14625	21075	32600	53675	Hajjah	2/2	Hajjah	3/3	Hajjah	3/3
Sana'a City	Ma'ain	NA	3465	13065	44425	622 90	Al Hudaydah	3/3	Sana'a	3/3	Sana'a	3/3
Marib	Marib City	NA	NA	NA	NA	NA	NA	NA	Sana'a	4/9	Sana'a	4/9
Hajjah	Najrah	600	6300	13375	37175	57300	Al Hudaydah	1/2	Al Hudaydah	3/3	Al Hudaydah	2/3
Al Dhale'e	Qa'atabah	685	12600	22840	75480	109420	Aden	5/6	Aden	6/7	Aden	8/10
Hajjah	Qaf Shamer	550	7875	14349	31444	54793	Hajjah	4/4	Hajjah	6/6	Hajjah	6/6
Lahj	Radfan	650	4725	15225	72383	96358	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Salh	750	9450	20350	83300	109650	Aden	7/7	Aden	7/7	Aden	7/7
Hadramaut	Tarim	600	12600	23308	66140	92448	Hadramaut	3/3	Hadramaut	3/3	Hadramaut	3/3
Lahj	Tuban	610	7875	18025	74375	102100	Aden	3/3	Aden	3/3	Aden	3/3
Al Hudaydah	Zabid	540	7560	15135	48275	67110	Al Hudaydah	3/3	Al Hudaydah	3/3	Al Hudaydah	3/3

*NA (not applicable) data was not available.

^If the number is 4/10 (e.g), this indicates that 10 vendor KIs were interviewed, and of this, 4 answered the supply question.

The supplier governorate indicates the most prevalent answer. In the case of a tie, both governorates are shown.

The table shows SMEB values and supply chains inside the same governorate and towards other governorates. Districts without a main supplier are those districts where vendor KIs could not identify the origin of the items they sold.

APPENDIX

What is the cash and markets working group (CMWG)?

With the emergence of the conflict in 2014, humanitarian actors in Yemen began using cash and vouchers as a response tool to meet the immediate needs of the Yemeni population. The CMWG was established to provide a platform for discussion and setting standards/recommendations on cash and market-based responses (inclusive of cash and vouchers) for the cash actors in Yemen. The JMIMI was developed by the CMWG, the WASH Cluster, and REACH in order to harmonize price monitoring amongst WASH actors in Yemen.

Additional information on methodology

To be assessed by the JMIMI, markets must be either a single permanent market, or a local community where multiple commercial areas are located in close proximity to one another. When possible, markets/shops are selected within a single geographical location, where there is at least one wholesaler operating in the market.

Participating organisations train their enumerators on the JMIMI methodology and data collection tools using standard training materials developed by REACH. Each month, enumerators conduct KI interviews with market vendors to collect three price quotations for each item from the same market in each district. In addition to price levels, vendors are asked about the location of their supplier, the number of days it takes to restock the items, and the constraints they are facing in purchasing and selling the items in question. Additional questions are included for water trucking, to gauge the impact of delivery distance upon price level.

Following data collection, REACH compiles and cleans all partner data, normalising prices and cross-checking outliers. The cleaned data is then analysed by commodity and by governorate. To illustrate local variations in prices and availability, REACH uses the collected data to map the price of each type of item in each district. REACH also calculates the WASH SMEB (Survival Minimum Expenditure Basket), which is composed of four items: soap (1.05 kg), laundry powder (2 kg), sanitary napkins (50 units) and water trucking (3.15 m3). Food SMEB contains 75 kg of wheat flour, 10 kg of beans (kidney), 8L of vegetable oil, 2.5 kg of sugar, and 1 kg iodized salt.

The cleaned data sets are available on the [REACH Resource Centre](#) and are distributed to all participating partners, as well as to relevant clusters and the broader humanitarian community.

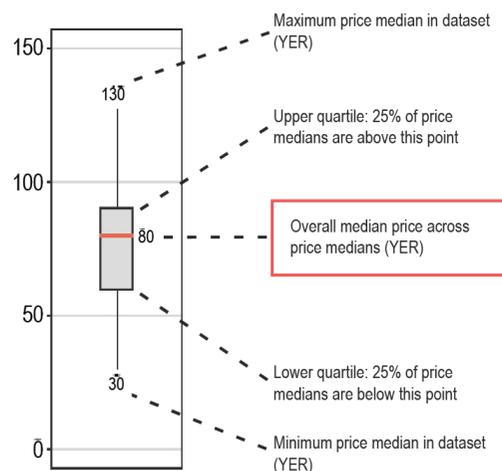
Limitations

Due to issues of access and security across Yemen, the districts included in the JMIMI vary on a monthly basis, and as such there are sometimes a limited number of districts for which trends can be assessed over time. Governorate level data is aggregated from the respective districts assessed in a given month, and so the findings are not representative of individual markets. Finally, the market monitoring process has been coordinated remotely by REACH, which inherently presents some challenges in terms of coordination and follow-up with partners. Participating organisations are therefore requested to adopt harmonised data collection methodologies and tools to ensure that the data uploaded is as accurate as possible.

Calculation of district and governorate median price

District, governorate and national median prices are calculated using data from all assessed markets. Percentage changes from one month to another are calculated only on data from markets that were assessed in both consecutive months. Therefore, part of the percentage variation could be attributed to changes in monthly coverage.

How to read a box plot



ABOUT REACH

REACH is a joint initiative that facilitates the development of information tools and products that enhance the capacity of aid actors to make evidence-based decisions in emergency, recovery and development contexts. By doing so, REACH contributes to ensuring that communities affected by emergencies receive the support they need. All REACH activities are conducted in support to and within the framework of inter-agency aid coordination mechanisms. For more information, please visit our website at www.reach-initiative.org, contact us directly at nissa.berntsen@reach-initiative.org or follow us on Twitter at [@REACH_info](https://twitter.com/REACH_info).

Participating partners include



Number of districts assessed per governorate

Governorate	Assessed districts
Abyan	1
Aden	4
Al Dhale'e	3
Al Hudaydah	7
Al Jawf	1
Amran	2
Dhamar	1
Hadramaut	2
Hajjah	9
Ibb	1
Lahj	6
Marib	1
Sana'a	1
Sana'a City	5
Shabwah	1
Taizz	11