

Yemen Joint Market Monitoring Initiative

November 2020 Situation Overview

Governorates: 16
Districts: 53
Total key informants (KIs): 281



WASH Cluster
Water Sanitation Hygiene

CMWG

Intersector Cash
and Markets
Working Group

REACH

Informing
more effective
humanitarian action

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 ten 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, and resumed producing one monthly situation overview. Please refer to the [appendix](#) for additional methodological details.

JMMI monthly figures

Data collection **8 November - 12 November**

- 14 Participating partners
- 16 Governorates assessed
- 53 Districts assessed
- 281 Vendor KIs surveyed

Assessed items	October 2020	November 2020	Change (from October 2020)
Full SMEB* (dry beans)	53344	57559	7.9%
WASH SMEB**	13770	14909	8.3%
Soap (100g)	180	167	-7.2%
Laundry powder (100g)	129	129	0.0%
Sanitary napkins (10 Pack)	600	556	-7.3%
Water trucking (1m ³)	2000	2500	25.0%
Petrol (1L)	410	373	-9.0%
Diesel (1L)	440	400	-9.1%
Bottled water (0.75L)	150	150	0.0%
Treated water (10L)	100	100	0.0%
Bleach (1L)	750	800	6.7%
Cooking gas (1cylinder)	4500	6000	33.3%
Food SMEB (dry beans)^	39574	42650	7.8%
Food SMEB (canned beans)§	44374	43450	-2.1%
Wheat flour (1 kg)	340	330	-2.9%
Rice (1 kg)	700	750	7.1%
Dry kidney beans (1 kg)	600	1000	66.7%
Canned kidney beans (15 oz can)	300	300	0.0%
Lentils (1 kg)	700	750	7.1%
Vegetable oil (1L)	863	850	-1.5%
Sugar (1 kg)	420	400	-4.8%
Salt (1 kg)	120	100	-16.7%
Potatoes (1 kg)	600	600	0.0%
Onions (1 kg)	700	700	0.0%

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

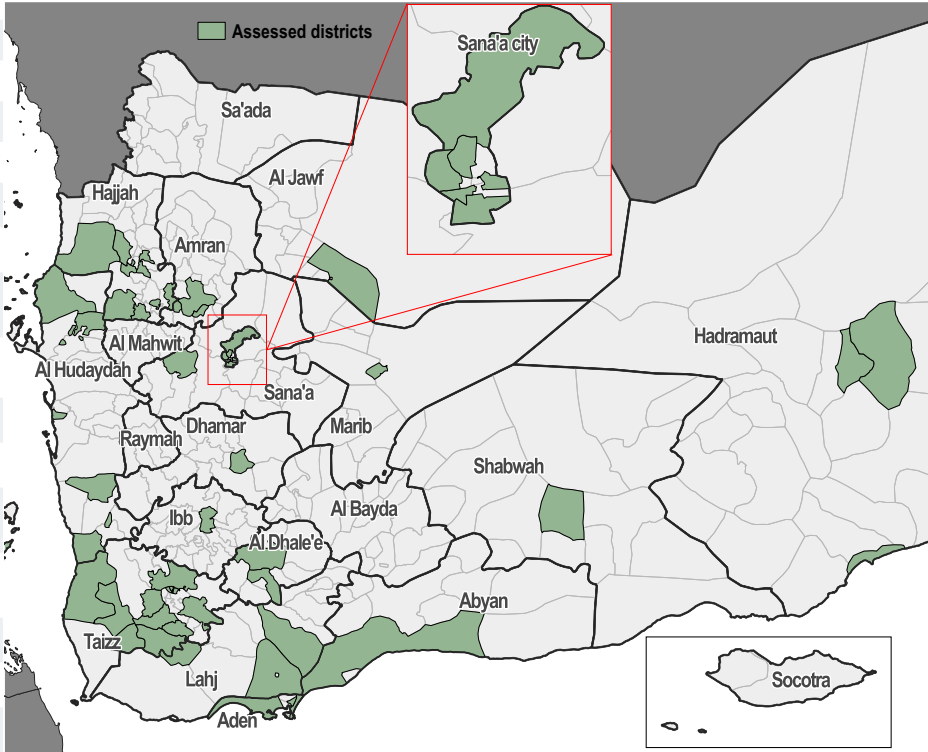
** Contains soap (1.05 kg), laundry powder (2 kg), sanitary napkins (50 units), and water (3.15 m3). Sanitary napkins' units were changed from 20 to 50 based on CMWG's September SMEB revision.

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

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

KEY FINDINGS

- The reported number of business closures in the last 2 weeks within a 2 minute walk from KIs' stalls decreased with 5% compared to last round in October to reach a total of 100 business reported to be closed around the assessed markets.
- Price inflation** remains the most commonly reported constraint faced by the assessed vendors when obtaining fuel, WASH items, food items, and water trucking services.
- The food SMEB cost (with dry beans) was found to have **increased by 7.8%** since the last round of data collection in October, and the WASH SMEB cost also **increased by 8.3%**, contributing to a **7.9% increased in the overall SMEB cost**.
- Exchange rates remained stable across the country:** The lowest exchange rate was recorded in Ibb with 600 Yemeni Riyal (YER) to one US dollar (USD). The highest exchange rate was recorded in Shabwah and Marib with 845 YER to one USD. Also, Abyan, Al Dhale'e, Lahj, Taizz, Hadramaut and Aden have reported exchange rate values higher than 800 YER to USD
- Overall, 14.5% (41/281) KIs reported that their **supply routes changed** in a way harmful to their business in the 30 days prior to data collection.



Exchange Rate

250
► 0.0%
USD/YER
Official

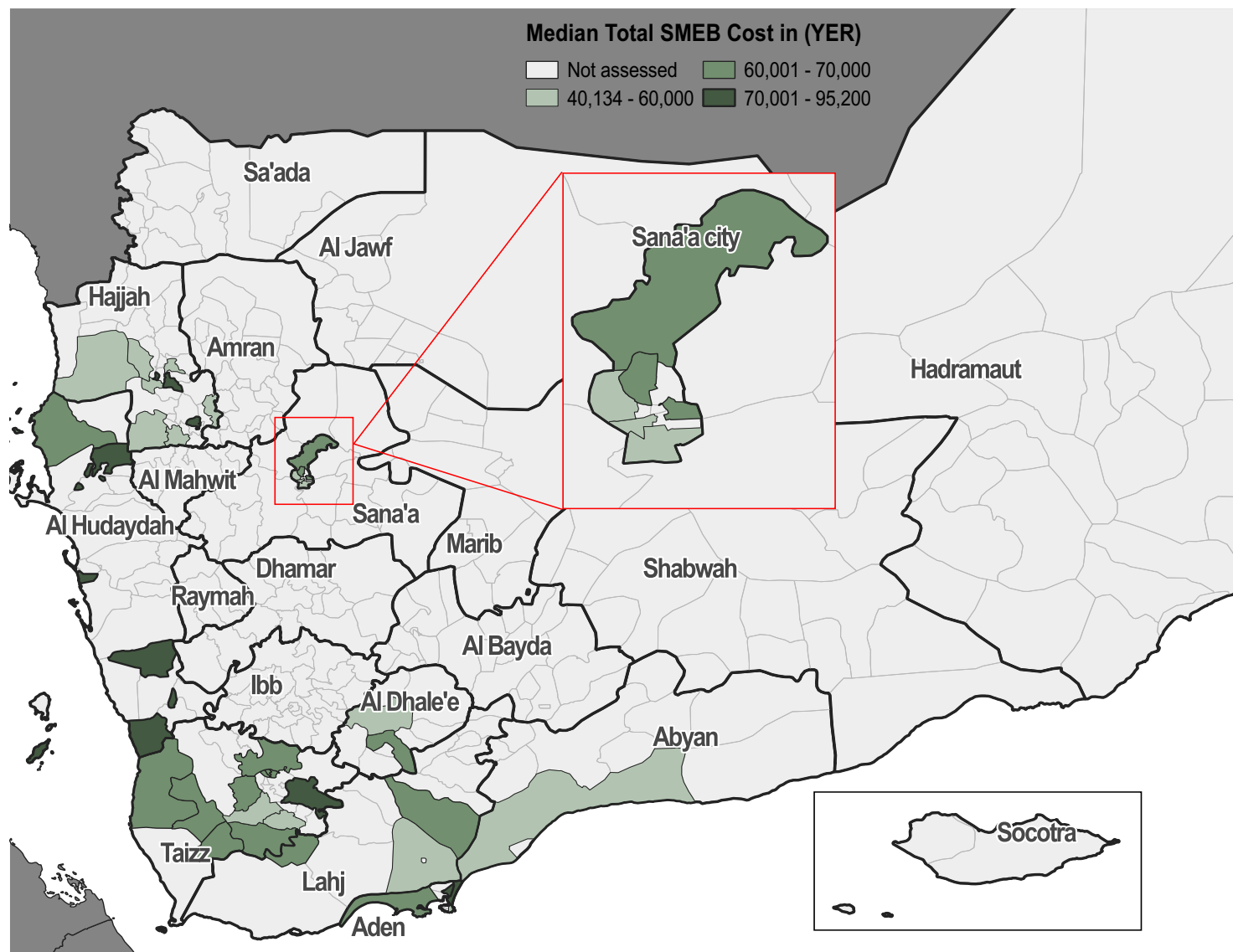
611
▼ -0.7%
USD/YER
Parallel market
(old currency)

615
USD/YER
Parallel Market (old
currency) rate from
October 2020

838
▲ 1.2%
USD/YER
Parallel market
(new currency)

828
USD/YER
Parallel Market (new
currency) rate from
October 2020

Total SMEB prices (8-12 November)*,^



*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.

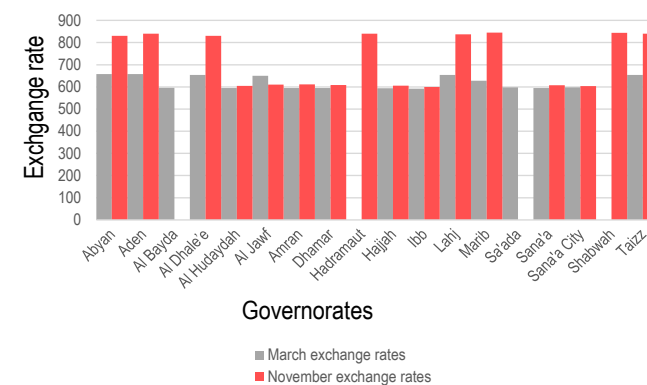
Exchange rate (YER/USD)*

Governorate	March 2020 [^]	October 2020	November 2020
Abyan	658	834	830
Aden	658	830	840
Al Bayda	596	NA	NA
Al Dhale'e	654	821	830
Al Hudaydah	595	603	605
Al Jawf	650	600	610
Amran	595	610	611
Dhamar	595	614	608
Hadramaut	NA	832	840
Hajjah	594	601	606
Ibb	592	607	600
Lahj	654	826	837
Marib	628	840	845
Sa'ada	598	NA	NA
Sana'a	595	613	607
Sana'a City	598 (628)	610	604
Shabwah	NA	840	844
Taizz	654	830	840

*New banknote exchange rates / Exchange rate for the new currency released last year is in parenthesis.

[^]March was chosen as a baseline to assess the effect of COVID-19 on exchange rates.

Exchange rate in March and November 2020 (YER/USD)*



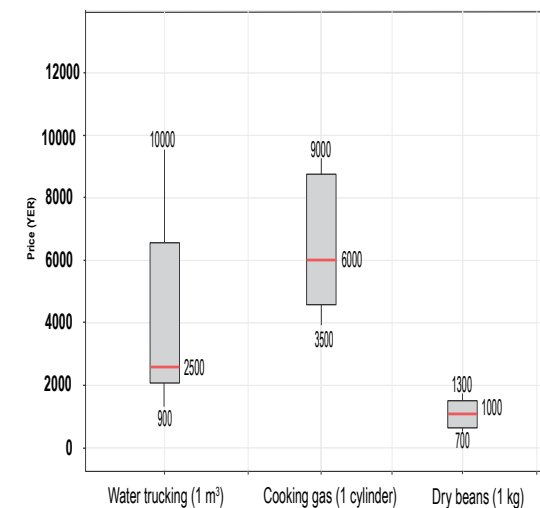
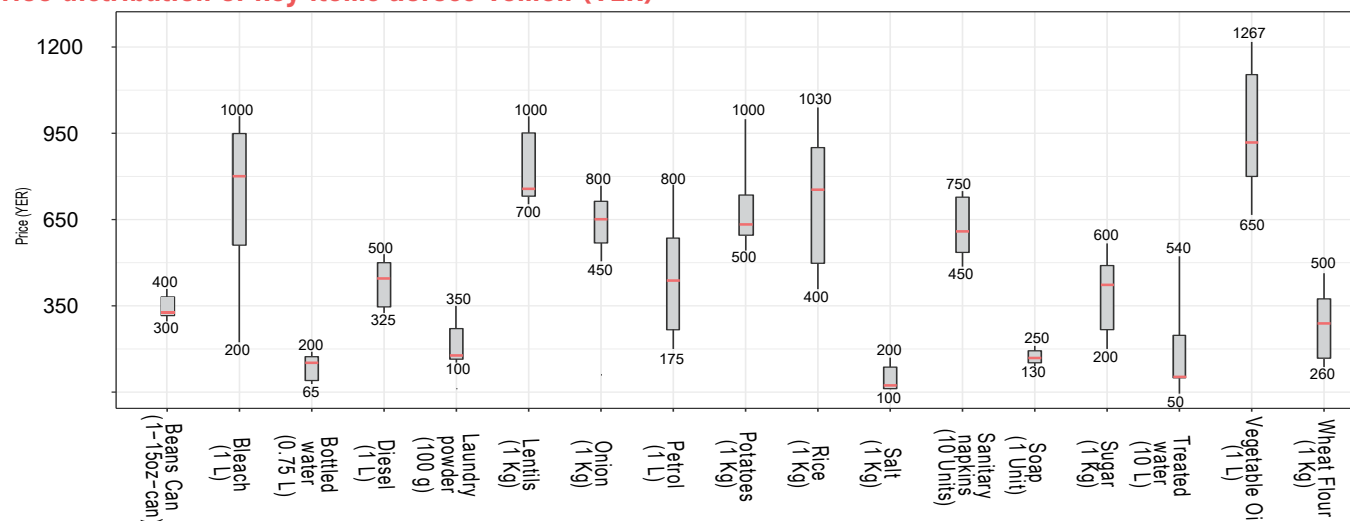
*Governorate labels point to two bars indicating March base values and November values. Gaps between bars indicates that no exchange rate value was recorded in this governorate.

Price per key item, per governorate (YER)*

Governorate	Petrol (1L)	Diesel (1L)	Cooking gas (1 cylinder)	Bottled water (0.75L)	Treated water (10L)	Bleach (1L)	Soap (100g)	Laundry powder (100g)	Sanitary napkins (10 units)	Water trucking (1m³)	WASH SMEB	Wheat flour (1Kg)	Rice (1Kg)	Beans dry (1Kg)	Beans cans (15oz)	Lentils (1 Kg)	Vegetable oil (1L)	Sugar (1Kg)	Salt (1Kg)	Potatoes (1Kg)	Onions (1 Kg)	Food SMEB (Canned Beans)	Food SMEB (Dry beans)
Abyan	330	370	3500	100	100	1000	237	100	600	2000	13789	400	800	700	400	NA	800	500	100	1000	800	52150	44750
Aden	330	395	6550	200	100	900	189	120	675	4500	21929	400	1000	850	400	1000	1000	500	100	1000	800	53750	47850
Al Dhale'e	350	390	3500	100	175	1000	200	120	593	3250	17703	340	700	900	325	700	1100	500	150	1000	800	47400	44700
Al Hudaydah	800	450	4500	150	60	550	130	130	500	10000	37965	300	700	1000	300	700	680	350	100	500	600	39715	38915
Al Jawf	500	425	3500	200	NA	550	267	125	750	1400	13464	280	450	NA	300	NA	750	400	100	800	450	38900	NA
Amran	345	345	NA	120	100	800	200	120	500	1200	10780	300	500	NA	300	650	1000	350	150	500	500	42325	NA
Dhamar	295	345	4500	120	440	750	197	120	500	1000	10119	260	450	NA	300	700	1300	350	100	600	700	41675	NA
Hadramaut	335	325	NA	150	540	850	200	144	750	3750	20543	350	670	NA	320	1025	830	440	200	800	750	45710	NA
Hajjah	425	500	9000	150	100	700	150	140	500	2000	13175	300	800	500	300	750	800	400	100	500	600	40800	35000
Ibb	295	345	5500	140	100	600	211	140	600	2500	15891	500	500	NA	300	825	600	500	100	700	775	54450	NA
Lahj	330	385	6580	200	100	1000	160	135	600	2000	13680	355	1030	1300	400	1000	1100	480	110	800	800	51135	49735
Marib	175	450	3000	65	50	800	171	120	500	900	9531	330	420	NA	330	NA	1267	200	200	NA	NA	47466	NA
Sana'a	NA	NA	3950	120	100	725	155	109	450	1250	9995	300	400	NA	300	550	850	350	200	525	575	41175	NA
Sana'a City	295	345	4000	100	120	400	120	105	500	7000	27900	300	900	900	300	500	769	350	100	600	500	40427	38627
Shabwah	370	385	3500	100	NA	200	250	350	500	2600	20315	400	900	NA	400	925	1000	600	200	1000	600	54100	NA
Taizz	380	400	5000	160	100	800	150	150	600	2167	14399	356	550	1250	350	800	900	450	150	800	800	47775	47675
National median price	373	400	6000	150	100	800	167	125	556	2500	14909	330	750	1000	300	750	850	400	100	600	700	43450	42650

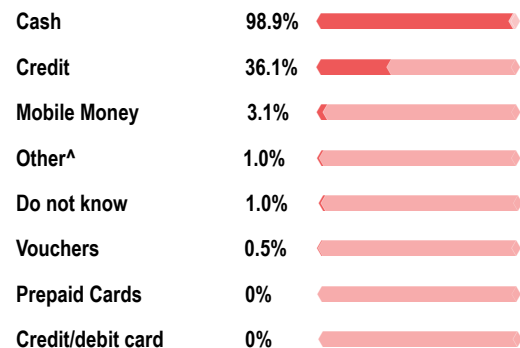
*Darker color strokes indicate high outliers for each commodity, lighter color strokes indicate the low outliers of each commodity.

Price distribution of key items across Yemen (YER)



WASH SMEB*

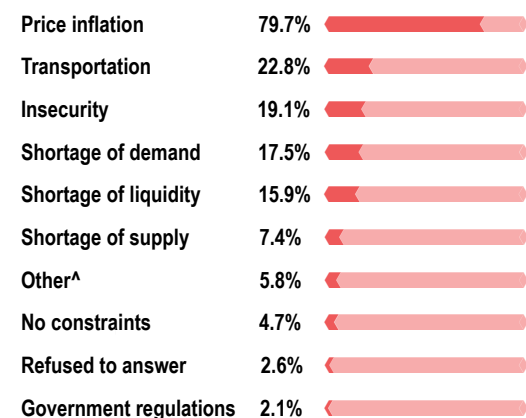
WASH vendor KIs reported accepting the following payment modalities*



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

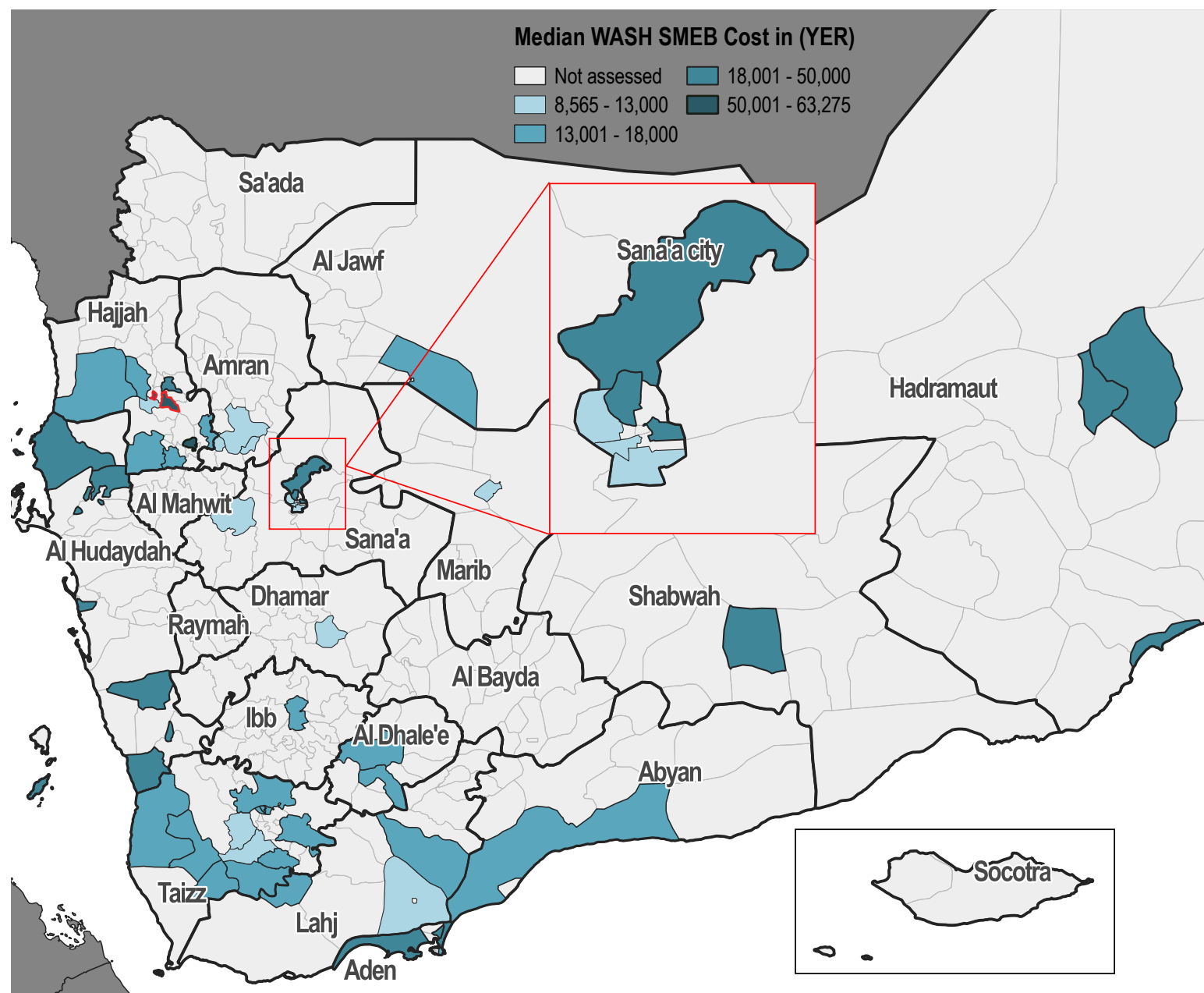
^Includes bank transfers.

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



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

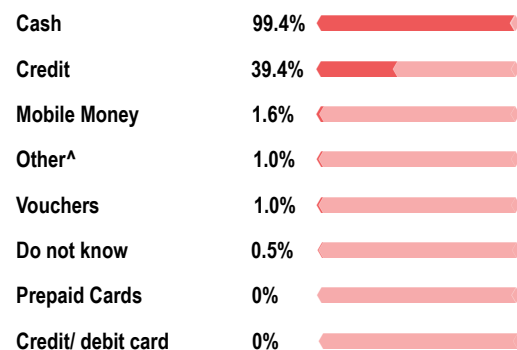
^Includes increased currency fluctuations, loss of vendors in the area, and additional fees.



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

Food SMEB*

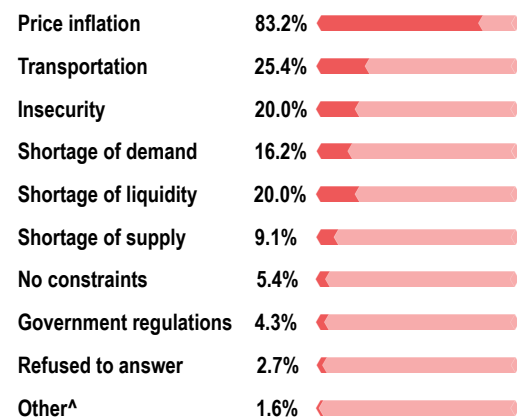
Food vendor KIs reported accepting the following payment modalities*



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

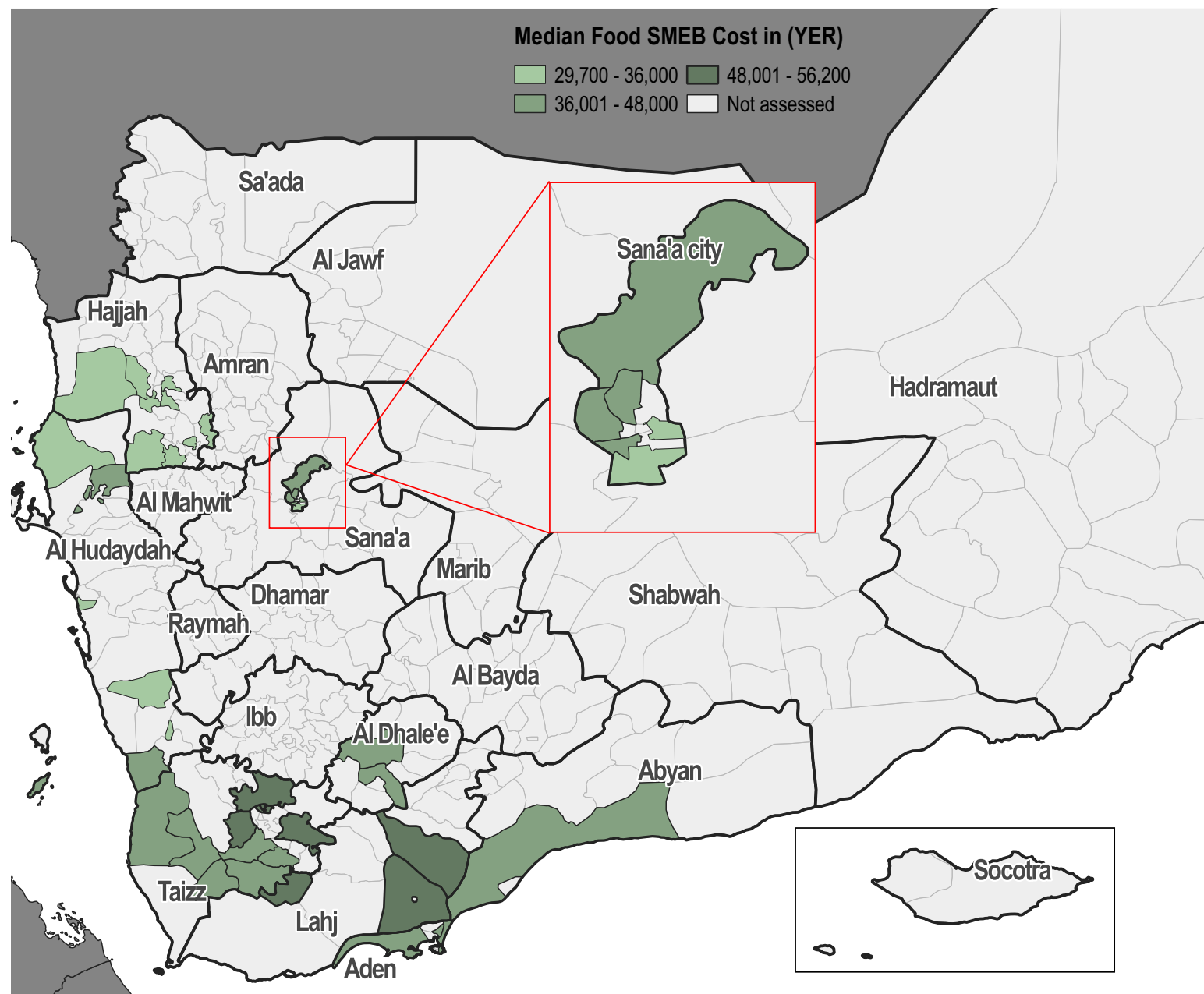
^Includes bank transfers.

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



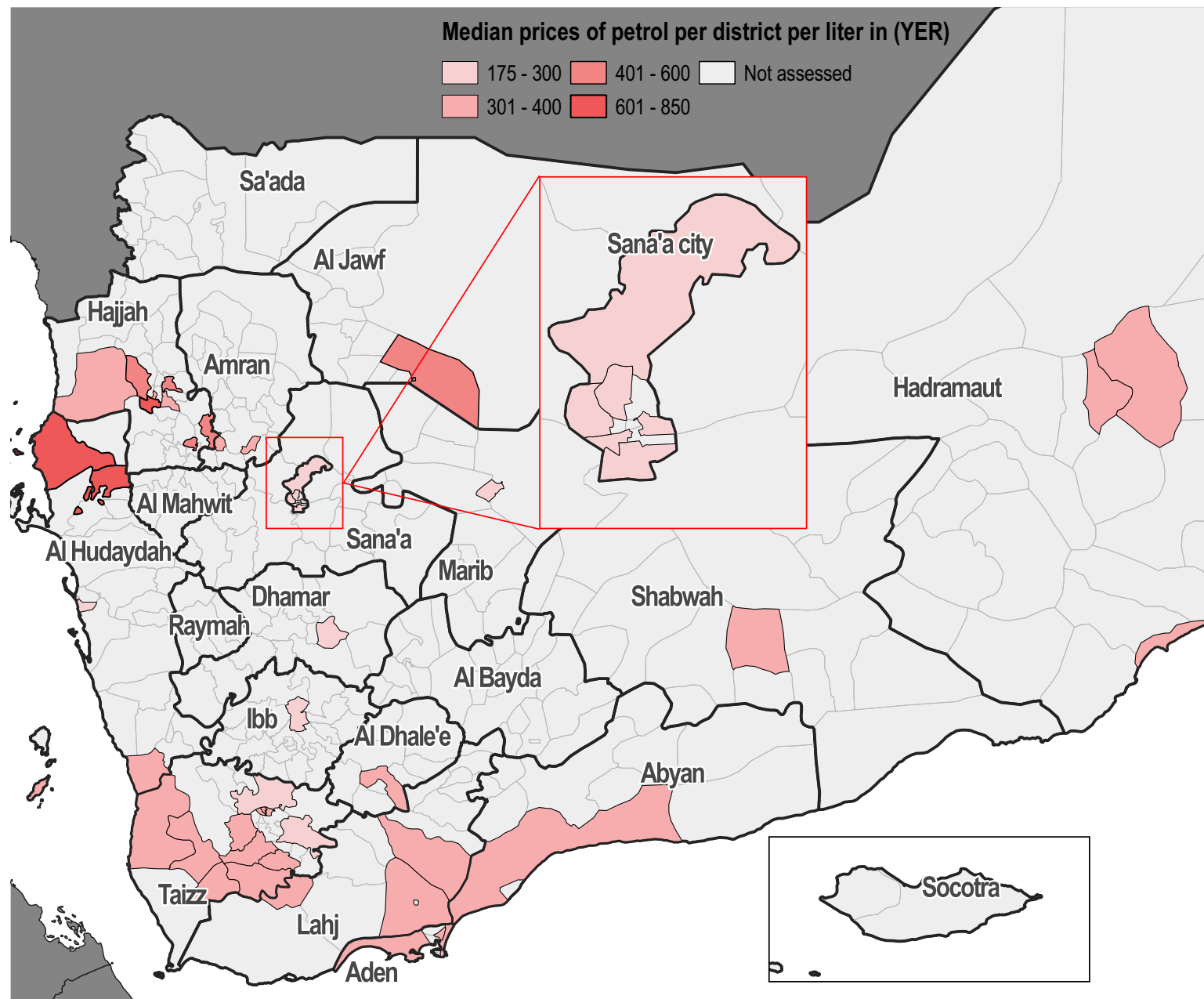
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

^Includes increased currency fluctuations, lack of oil derivatives, and additional fees.

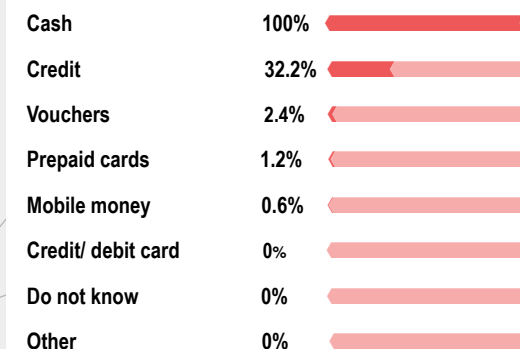


*Total SMEB cost in the legend represents the calculated food basket cost with dry beans.

Fuel

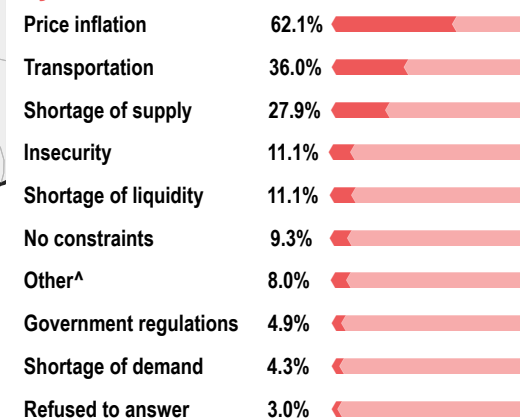


Fuel vendor KIs reported accepting the following payment modalities*



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

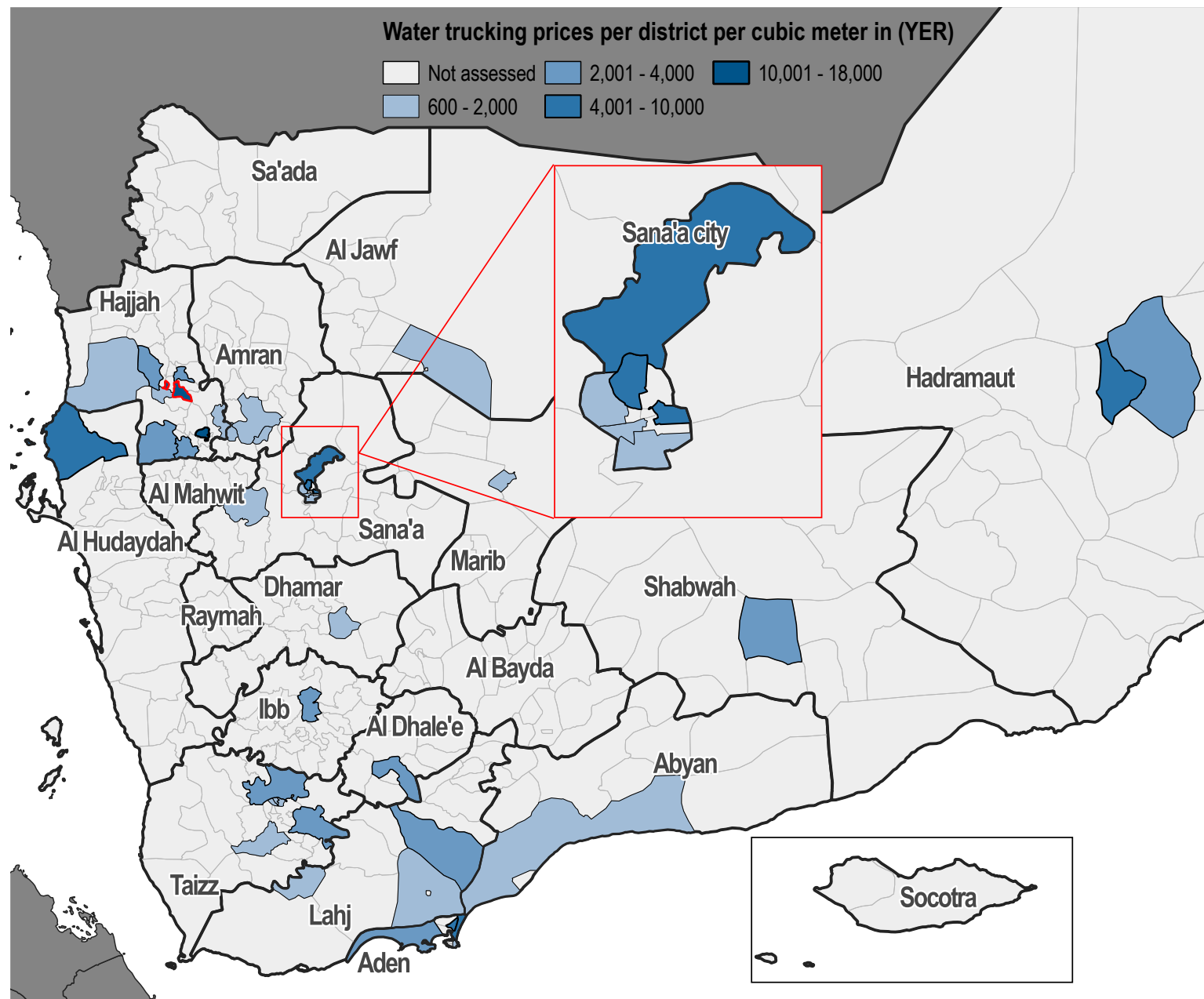
Most commonly reported constraints, by % of fuel vendor KIs*



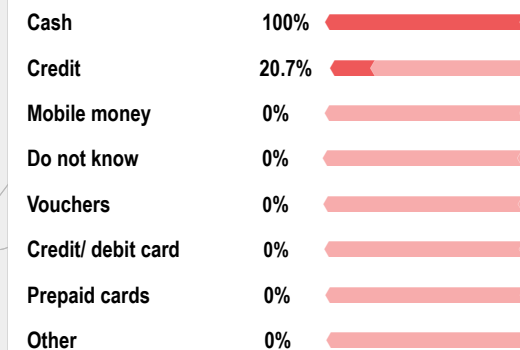
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

^Includes increased currency fluctuations, loss of vendors in the area, and additional fees.

Water Trucking



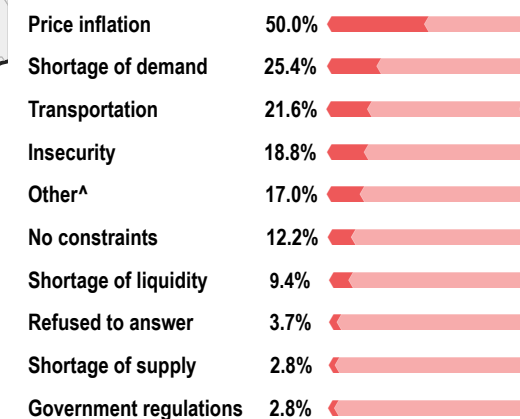
Water trucking vendor KIs reported accepting the following payment modalities*



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

^Includes bank transfers.

Most commonly reported constraints, by % of water trucking vendor KIs*



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

^Includes increased currency fluctuations, loss of vendors in the area, and additional fees.

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	Aden (price in YER)	Al Hudaydah (price in YER)
Petrol (1L)	350	400
Diesel (1L)	390	500
Cooking Gas (1 cylinder)	6000	7500
Soap (100g)	170	167
Laundry Powder (100g)	125	129
Sanitary Napkins (10 units)	573	560
Wheat Flour (1kg)	350	300
Beans Dry (10kg)	1225	1000
Beans Can (15oz can)	385	300
Vegetable Oil (1L)	919	680
Sugar (1kg)	440	355
Salt (1kg)	100	100
Potatoes (1kg)	800	500
Onions (1kg)	700	500
Bleach (1L)	800	750
Bottled water (0.75L)	150	150
Treated water (10L)	100	100
Water trucking (1m³)	2500	2500
Rice (1kg)	980	800
Lentils (1kg)	900	700

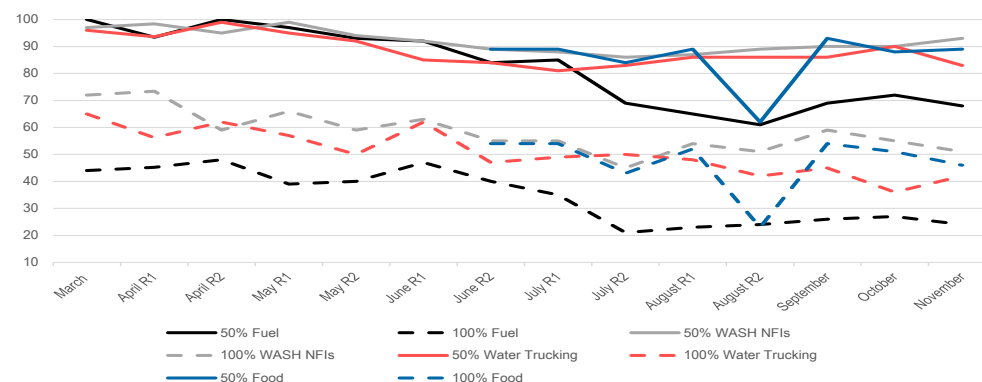
Average reported restocking time (days)*^

Governorate	Fuel Items	WASH Items	Food Items
Abyan	3 (6)	5 (4)	5 (4)
Aden	1 (4)	3 (2)	3 (2)
Al Dhale'e	3 (3)	3 (2)	3 (3)
Al Hudaydah	5 (10)	3 (5)	3 (5)
Al Jawf	3 (NA)	3 (3)	3 (NA)
Amran	7 (10)	5 (14)	5 (5)
Dhamar	2 (6)	7 (2)	7 (NA)
Hadramaut	2 (4)	5 (6)	5 (2)
Hajjah	4 (4)	4 (3)	4 (3)
Ibb	4 (4)	NA (5)	NA (5)
Lahj	2 (7)	5 (11)	5 (4)
Marib	15 (3)	14 (13)	14 (NA)
Sana'a	2 (NA)	5 (2)	5 (2)
Sana'a City	1 (12)	4 (5)	4 (2)
Shabwah	2 (4)	2 (1)	2 (3)
Taizz	5 (4)	4 (4)	4 (4)

*Previous average restocking time (October 2020) in days between brackets.
^NA indicates that the specific question was not answered by the KIs.

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

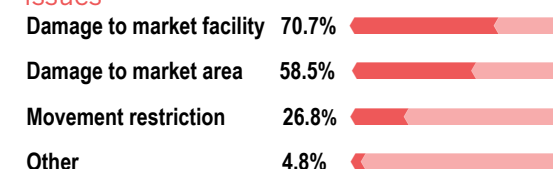
To understand vendor capacity to cope with sudden increases in the demand for water trucking, fuel, and WASH items, vendor KIs were asked if they would be able to increase their stock by 50% and 100% respectively.



Effect of supply route changes on businesses

Overall, 14.5% of vendor KIs (41/281) 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*



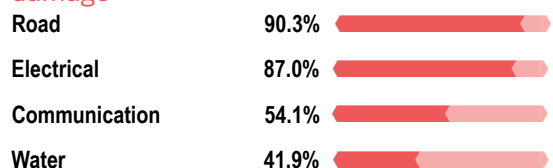
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

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

Damaged infrastructure affecting vendor capacity to conduct business

The 29 vendor KIs who reported "damage to the market area" 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.

Most commonly reported infrastructure damage*



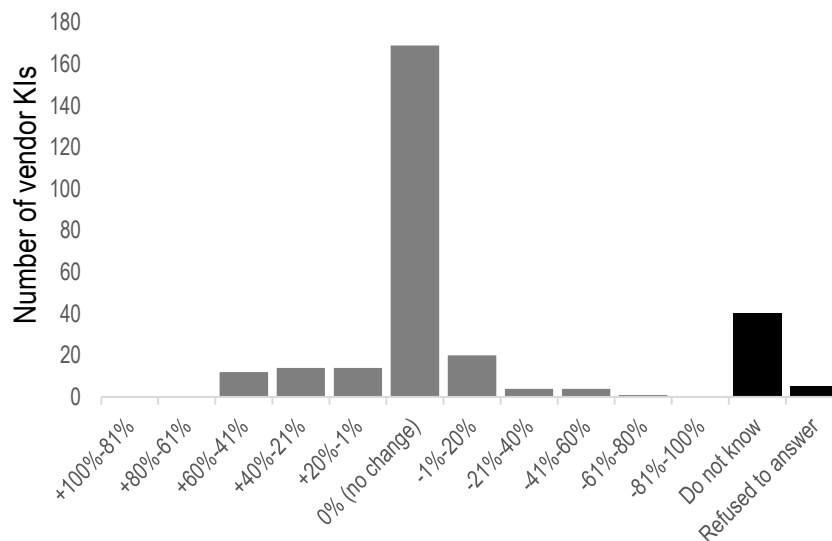
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Impact of COVID-19 on respondents' businesses

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

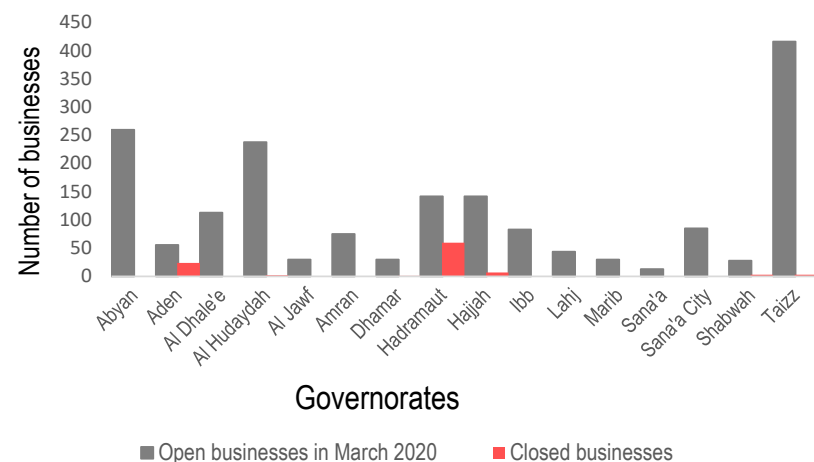
Overall, around half of vendor KIs (60%) reported having perceived no change in the number of customers in the two weeks prior to data collection. Less vendors reported having experienced a change in customers, be it either a decrease (10.2%, or 28/281 vendors) or increase (13.4%) of customers.

Of the 281 vendor KIs surveyed, 3.1% (9/281) reported having faced difficulties obtaining key commodities due to disruptions caused by COVID-19 measures in the two weeks prior to data collection (compared to 4.3% reporting this during previous round of data collection in October).



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 (100 businesses) decreased by 5% compared to the last round of data collection in October (105 businesses).



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

8
8 in October

[^]Average number of businesses within a two minute walk from KIs' businesses that were reportedly open in early March 2020.

Average reported number of nearby businesses that were closed^

0

[^]Average number of businesses within a two minute walk from KIs' businesses that were reportedly closed due to COVID-19 in the two weeks prior to data collection.

Top 3 COVID-19 related constraints*

Shortage of supply	100%	
Availability of goods	66.7%	
Checkpoints and fees	66.7%	

Results from the previous JMIMI round (12-18 October)

Shortage of supply	75.0%	
Transportations costs	25.0%	
Check points and fees	33.3%	

*Based on the responses from the 3.1% (9 out of 281) of vendor KIs who had difficulties obtaining goods due to COVID-19.

Top 3 most difficult goods to obtain*

Diesel	55.6%	
Petrol	55.6%	
Suger	44.4%	

Results from the previous JMIMI round (12-18 October)

Diesel	41.7%	
Cooking gas	41.7%	
Sanitary napkins	41.7%	

*Based on the responses from the 3.1% (9 out of 281) 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 is currently working with Cash Working Groups and partners to scale up its programming in response to this pandemic, with the goal of identifying practical ways to inform 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.

DISTRICTS COVERED

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^
Hajjah	Abs	400	2000	13375	35125	48500	Al Hudaydah	6/7	Al Hudaydah	6/9	Al Hudaydah	6/8
Al Dhale'e	Ad Dhale'e	350	3250	17338	45225	62563	Aden	6/6	Al Dhale'e	5/6	Al Dhale'e	5/6
Taizz	Al Mukha	370	NA	13875	47050	60925	Aden	2/3	Aden	3/3	Aden	3/3
Aden	Al Buraieqeh	330	4000	20350	44900	65250	Aden	5/5	Aden	5/5	Aden	5/5
Al Hudaydah	Al Hawak	295	NA	37975	33875	71850	NA	NA	NA	NA	NA	NA
Sana'a	Al Haymah Ad	NA	1250	9995	NA	NA	NA	NA	Sana'a city	2/2	Sana'a city	2/2
Al Jawf	Al Hazm	500	1400	13464	NA	NA	Marib	2/3	Sana'a	2/3	Sana'a	2/2
Al Hudaydah	Al Khawkhah	380	NA	39674	40375	80049	Aden	3/3	Aden	3/3	Aden	2/3
Taizz	Al Ma'afer	400	2000	12465	46225	58690	Aden	3/3	Aden	2/2	Aden	2/2
Hajjah	Al Mahabishah	400	18000	63275	31925	95200	Hajjah	3/3	Hajjah	3/3	Hajjah	3/3
Ibb	Al Makhadir	295	2500	15891	NA	NA	NA	NA	Ibb	4/4	Ibb	4/4
Lahj	Al Maqatirah	350	2000	16440	49204	65644	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Al Mawasit	400	NA	13330	45267	58597	Lahj	2/3	NA	NA	Aden	2/3
Lahj	Al Milah	330	2200	13685	51220	64905	Aden	1/1	Lahj	1/1	Lahj	1/1
Taizz	Al Mudhaffar	400	2000	13800	53225	67025	Aden	3/3	Taizz	2/3	Taizz	2/3
Hadramaut	Al Mukalla City	330	NA	22988	NA	NA	Hadramaut	3/3	Hadramaut	3/3	Hadramaut	3/3
Taizz	Al Qahirah	400	1750	13403	48650	62053	Aden	3/3	Aden	2/3	Aden	2/3
Al Hudaydah	Al Qanawis	800	NA	38175	36738	74913	Al Hudaydah	3/3	Al Hudaydah	6/6	Al Hudaydah	6/6
Sana'a City	Al Wahdah	295	600	8565	38973	47538	Al Hudaydah	1/1	Sana'a city	2/2	Sana'a city	2/2
Taizz	Al Wazi'iyah	380	NA	13875	47550	61425	Aden	2/3	Aden	3/3	Aden	3/3
Al Hudaydah	Alluheyah	800	10000	37260	31550	68810	Al Hudaydah	5/5	Al Hudaydah	5/5	Al Hudaydah	5/5
Amran	Amran	345	1300	11095	NA	NA	NA	NA	Marib	3/5	Al Jawf	3/5
Sana'a City	As Sabain	295	1500	10942	35150	46092	Sana'a city	3/3	Sana'a city	3/3	Sana'a city	3/3
Hajjah	Ash Shaghadirah	NA	3000	16325	34000	50325	NA	NA	Al Hudaydah	2/2	NA	NA
Aden	Ash Shaikh	330	6000	25975	47850	73825	Aden	4/4	Aden	4/4	Aden	4/4
Taizz	Ash Shamayatayn	400	NA	14424	45602	60026	Lahj	3/3	Aden	2/3	Aden	2/3
Hajjah	Aslem	425	2250	14488	35113	49600	Al Hudaydah	3/5	NA	NA	Al Hudaydah	3/3
Taizz	At Ta'iziyah	295	2500	15981	53875	69856	Sana'a	1/1	Taizz	4/4	Sana'a city	4/4
Shabwah	Ataq	370	2600	20315	NA	NA	Aden	3/3	Sana'a	2/2	Marib	3/3
Sana'a City	Ath'thaorah	295	7000	27810	39275	67085	Sana'a	3/3	Sana'a	3/3	Marib	3/3
Sana'a City	Az'zal	295	7000	27810	35600	63410	Sana'a	3/3	Sana'a	3/3	Marib	3/3
Sana'a City	Bani Al Harith	295	7000	27810	36900	64710	Sana'a	3/3	Sana'a	3/3	Marib	3/3
Hajjah	Bani Qa'is	NA	3000	16200	33400	49600	Al Hudaydah	2/2	Al Hudaydah	2/2	Al Hudaydah	2/2
Aden	Craiter	330	1400	13890	42300	56190	Aden	3/3	Aden	3/3	Aden	3/3
Dhamar	Dhamar City	295	1000	10119	NA	NA	NA	NA	Dhamar	3/3	Dhamar	2/3
Taizz	Dimnat Khadir	295	2575	16211	56200	72411	Sana'a	2/2	Taizz	4/4	Taizz	4/4
Hajjah	Hajjah City	500	12000	50925	29700	80625	Sana'a	2/2	Sana'a city	3/3	Sana'a city	3/3
Taizz	Jabal Habashy	375	NA	12495	48188	60682	Lahj	8/9	Taizz	6/8	Taizz	5/5
Amran	Jabal lyal Yazid	NA	1000	9938	NA	NA	NA	NA	Amran	2/2	Amran	2/2
Abyan	Khanfir	330	2000	13789	44750	58539	Aden	3/3	Aden	4/5	Abyan	4/5

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^
Aden	Khur Maksar	330	5000	23390	47725	71115	Aden	4/4	Aden	4/4	Aden	4/4
Hajjah	Kuhlan Affar	450	2000	13175	30775	43950	Al Hudaydah	2/2	Amran	2/2	NA	NA
Hajjah	Kuhlan Ash Sharaf	500	3587.5	18838	32850	51688	Al Hudaydah	2/3	Hajjah	2/3	Hajjah	3/3
Sana'a City	Ma'ain	295	600	8670	38829	47499	Al Hudaydah	1/1	Sana'a city	2/2	Sana'a city	2/2
Marib	Marib City	175	900	9531	NA	NA	Marib	3/3	Marib	3/3	Marib	3/3
Taizz	Mawza	375	NA	13875	46825	60700	Aden	3/3	Aden	3/3	Aden	3/3
Al Dhale'e	Qa'atabah	NA	NA	17698	39766	57464	NA	NA	Aden	3/3	Aden	3/3
Hajjah	Qafi Shamer	850	1000	8984	31150	40134	Hajjah	3/3	Hajjah	3/3	Hajjah	3/3
Taizz	Salh	400	1833	14374	51400	65774	Aden	3/3	Taizz	2/3	Sana'a city	2/3
Hadramaut	Sayun	335	5000	24685	NA	NA	Hadramaut	2/2	Hadramaut	3/3	Hadramaut	3/3
Hadramaut	Tarim	335	3500	19675	NA	NA	Hadramaut	2/2	Hadramaut	3/3	Hadramaut	3/3
Lahj	Tuban	330	1000	9925	49338	59263	Aden	4/4	Aden	4/4	Aden	4/4
Al Hudaydah	Zabid	NA	NA	37765	35165	72930	NA	NA	Al Hudaydah	8/8	Al Hudaydah	8/8

^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 intersectoral or cash and market working group?

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), 8 L 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.

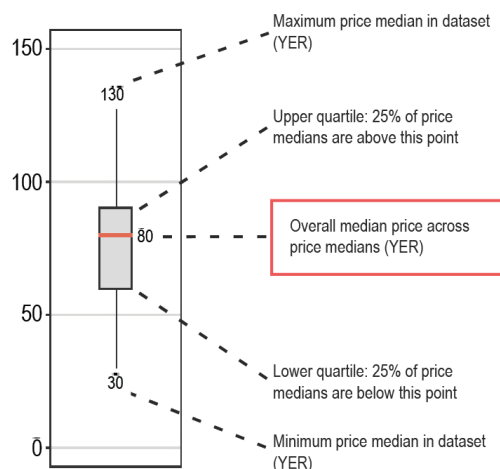
Limitations

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

The calculation of the aggregated median price for districts and governorates is done following a stepped approach. Firstly, the median of all the price quotations related to the same market is taken. Secondly, the median quotation from each market is aggregated to calculate the district median. Finally, the median quotation from each district is aggregated to calculate the governorate median. Additionally, district and governorate median prices and percentage change 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 should be attributed to changes in monthly coverage when registered.

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 yemen@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	2
Al Hudaydah	5
Al Jawf	1
Amran	2
Dhamar	1
Hadramaut	3
Hajjah	9
Ibb	1
Lahj	3
Marib	1
Sana'a	1
Sana'a City	6
Shabwah	1
Taizz	12