

Yemen Joint Market Monitoring Initiative

December 2020 Situation Overview

Governorates: 16
Districts: 54
Total key informants (KIs): 293



WASH Cluster
Water Sanitation Hygiene

CMWGW

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 **6 December - 10 December**

13 Participating partners
16 Governorates assessed
54 Districts assessed
293 Vendor KIs surveyed

Assessed items	November 2020 (YER)	December 2020 (YER)	Change (from November 2020)
Full SMEB* (dry beans)	57559	61704	7.2%
WASH SMEB**	14909	15775	5.8%
Soap (100g)	167	200	19.8%
Laundry powder (100g)	129	140	8.5%
Sanitary napkins (10 Pack)	556	600	7.9%
Water trucking (1m³)	2500	2500	0.0%
Petrol (1L)	373	383	2.7%
Diesel (1L)	400	423	5.8%
Bottled water (0.75L)	150	150	0.0%
Treated water (10L)	100	100	0.0%
Bleach (1L)	800	817	2.1%
Cooking gas (1cylinder)	6000	4750	-20.8%
Food SMEB (dry beans)^	42650	45929	7.7%
Food SMEB (canned beans)§	43450	47917	10.3%
Wheat flour (1 kg)	330	360	9.1%
Rice (1 kg)	750	850	13.3%
Dry kidney beans (1 kg)	1000	1000	0.0%
Canned kidney beans (15 oz can)	300	333	11.0%
Lentils (1 kg)	750	750	0.0%
Vegetable oil (1L)	850	963	13.3%
Sugar (1 kg)	400	450	12.5%
Salt (1 kg)	100	100	0.0%
Potatoes (1 kg)	600	600	0.0%
Onions (1 kg)	700	600	-14.3%

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

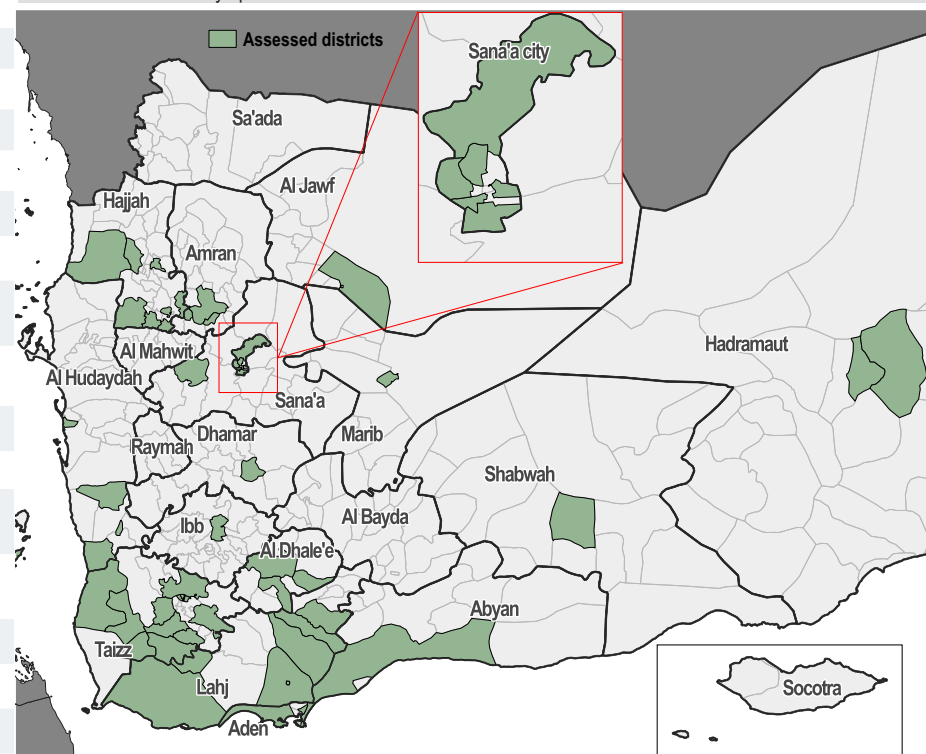
** Contains soap (1.05 kg), laundry powder (2 kg), sanitary napkins (50 units), and water (3.15 m3). Sanitary napkins' units were changed from 20 to 50 based on CMWG's September SMEB revision.

^ 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 48% compared to last round in November to reach a total of 52 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 7.7%** since the last round of data collection in November, and the WASH SMEB cost also **increased by 5.8%**, contributing to a **7.2% increase in the overall SMEB cost**.
- Overall, exchange rates have increased:** The lowest exchange rate was recorded in Al Hudaydah with 595 Yemeni Riyal (YER) to one US dollar (USD). The highest exchange rate was recorded in Shabwah with 912 YER to one USD. Also, Abyan, Al Dhale'e, Lahj, Taizz, Hadramaut, Marib and Aden have reported exchange rate values higher than 800 YER to USD
- Overall, 23.8% of KIs (70/293) 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

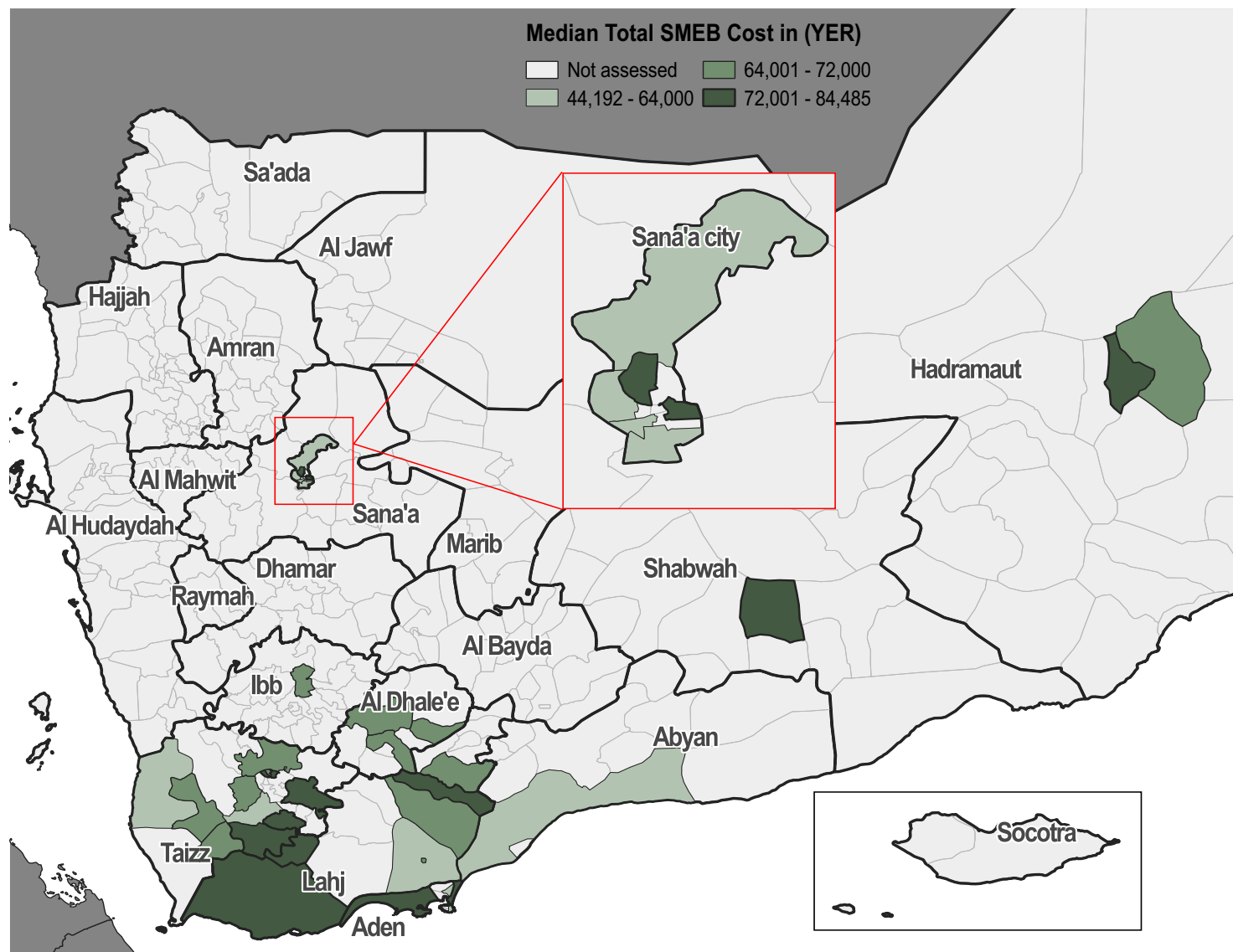
610
► 0.0%
USD/YER
Parallel market
(old currency)

611
USD/YER
Parallel Market (old
currency) rate from
November 2020

890
▲ 6%
USD/YER
Parallel market
(new currency)

838
USD/YER
Parallel Market (new
currency) rate from
November 2020

Total SMEB prices (6-10 December)*,^



*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.

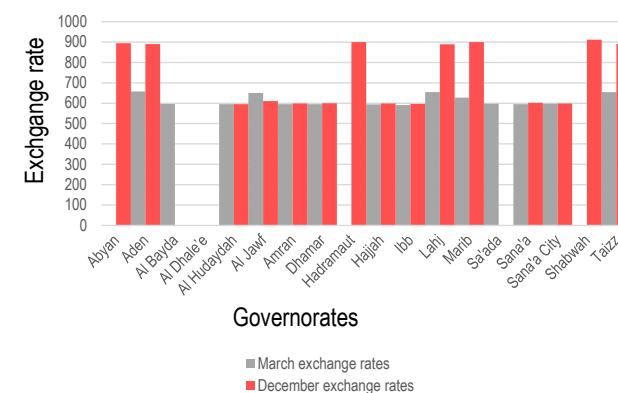
Exchange rate (YER/USD)*

Governorate	March 2020 [^]	November 2020	December 2020
Abyan	NA	830	895
Aden	658	840	890
Al Bayda	596	NA	NA
Al Dhale'e	NA	830	893
Al Hudaydah	595	605	595
Al Jawf	650	610	610
Amran	595	611	598
Dhamar	595	608	600
Hadramaut	NA	840	900
Hajjah	594	606	598
Ibb	592	600	596.5
Lahj	654	837	889
Marib	628	845	900
Sa'ada	598	NA	NA
Sana'a	595	607	602
Sana'a City	598 (628)	604	599
Shabwah	NA	844	912
Taizz	654	840	890

*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 December 2020 (YER/USD)*



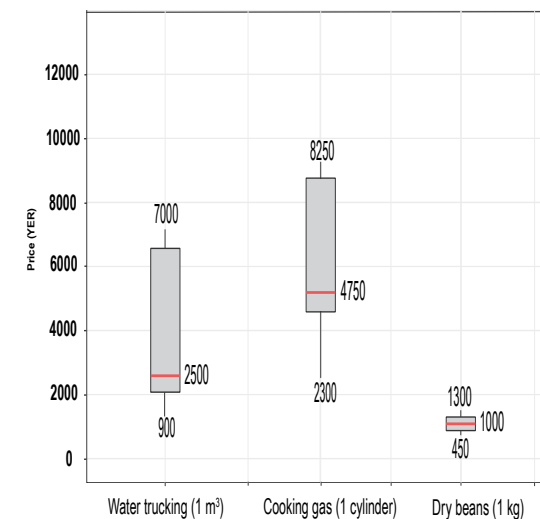
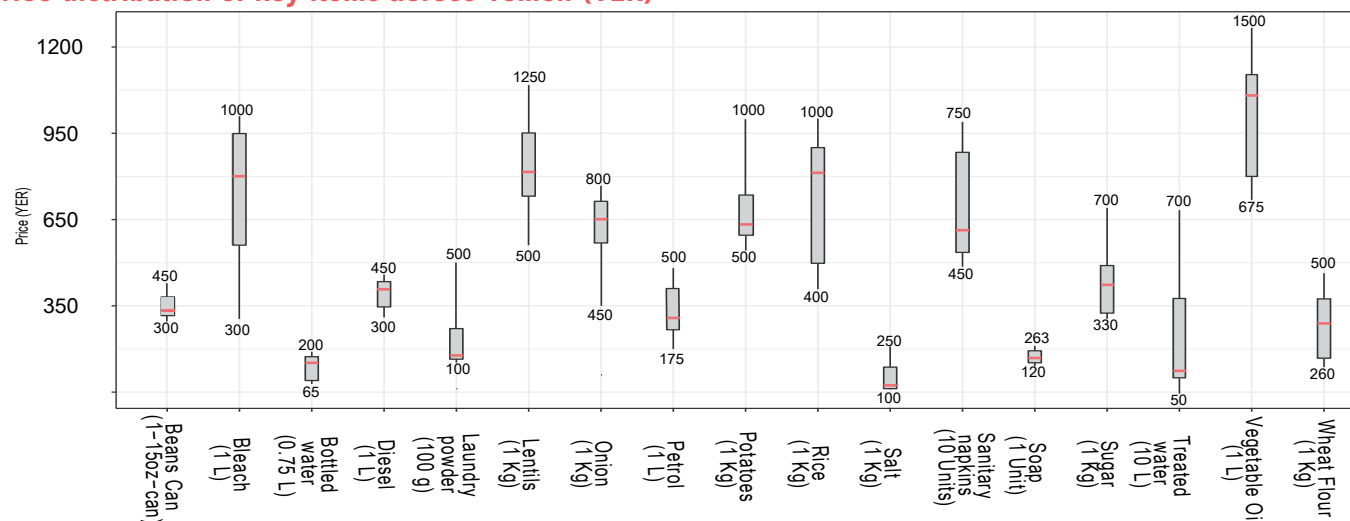
*Governorate labels point to two bars indicating March base values and November values. Gaps between bars indicates that no exchange rate value was recorded in this governorate.

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	335	370	3500	100	100	1000	263	100	700	2000	14562	400	900	1000	400	NA	1000	500	100	800	800	53750	49350
Aden	330	450	6900	200	100	950	200	150	700	1500	13325	400	1000	1000	430	1000	1100	500	100	900	750	55630	50150
Al Dhale'e	360	420	3600	173	125	1000	200	158	667	3000	18045	390	975	900	400	700	1178	500	150	850	650	54474	49074
Al Hudaydah	500	450	3800	160	50	470	150	150	480	NA	NA	270	950	1000	300	700	700	350	100	400	400	37625	36825
Al Jawf	355	300	3500	200	NA	550	250	120	1000	3500	21050	280	500	NA	300	NA	1000	420	120	625	300	40970	NA
Amran	295	345	NA	120	100	700	187	120	500	1625	11982	300	500	NA	300	600	720	350	150	475	500	40085	NA
Dhamar	295	345	4500	130	440	750	150	120	550	1000	9875	280	400	NA	300	700	1500	330	100	500	300	44725	NA
Hadramaut	335	325	NA	150	750	950	313	140	800	4000	22687	390	740	1000	400	1250	950	480	250	1200	800	52700	48300
Hajjah	450	500	8250	150	150	800	150	135	500	2500	14650	300	800	NA	300	800	775	400	110	500	500	40610	NA
Ibb	295	345	4750	150	100	850	200	150	600	2500	15975	500	575	875	300	800	675	525	125	500	600	55138	53088
Lahj	360	425	6000	175	100	1000	200	150	650	1600	13390	383	1000	1300	400	1200	1160	490	135	800	700	53728	52328
Marib	175	450	2300	65	50	800	160	130	500	900	9615	360	440	NA	320	1000	1300	420	200	NA	NA	50170	NA
Sana'a	NA	NA	3750	120	100	725	194	109	450	1250	10399	300	400	NA	300	570	850	350	200	525	575	41175	NA
Sana'a City	295	345	4000	100	120	400	120	100	500	7000	27810	300	900	600	300	500	822	350	100	600	500	40851	36051
Shabwah	350	400	3500	100	100	300	400	500	600	2600	25390	500	900	450	450	1200	1400	700	200	1000	500	66850	55150
Taizz	415	450	4500	150	100	850	200	150	600	2500	15975	400	775	1150	396	750	957	500	100	800	800	53258	50502
National median price	383	423	4750	150	100	817	200	140	600	2500	15775	360	850	1000	333	750	963	450	100	600	600	47917	45929

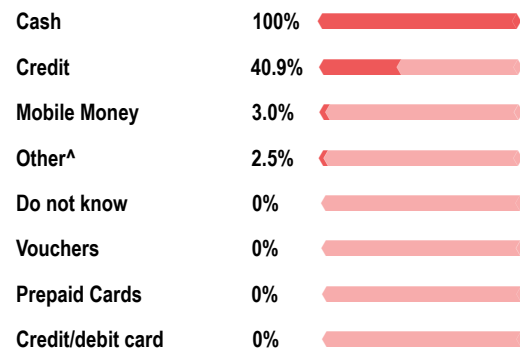
*Darker color strokes indicate high outliers for each commodity, lighter color strokes indicate the low outliers of each commodity.

Price distribution of key items across Yemen (YER)



WASH SMEB*

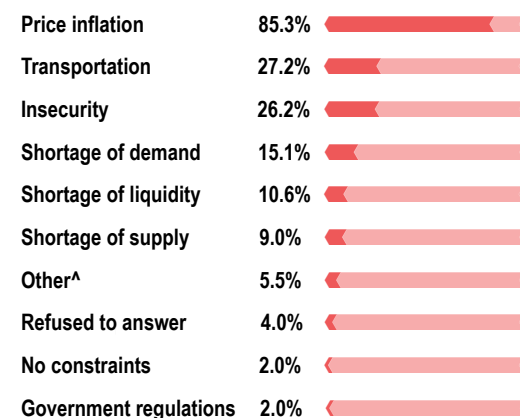
WASH vendor KIs reported accepting the following payment modalities*



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

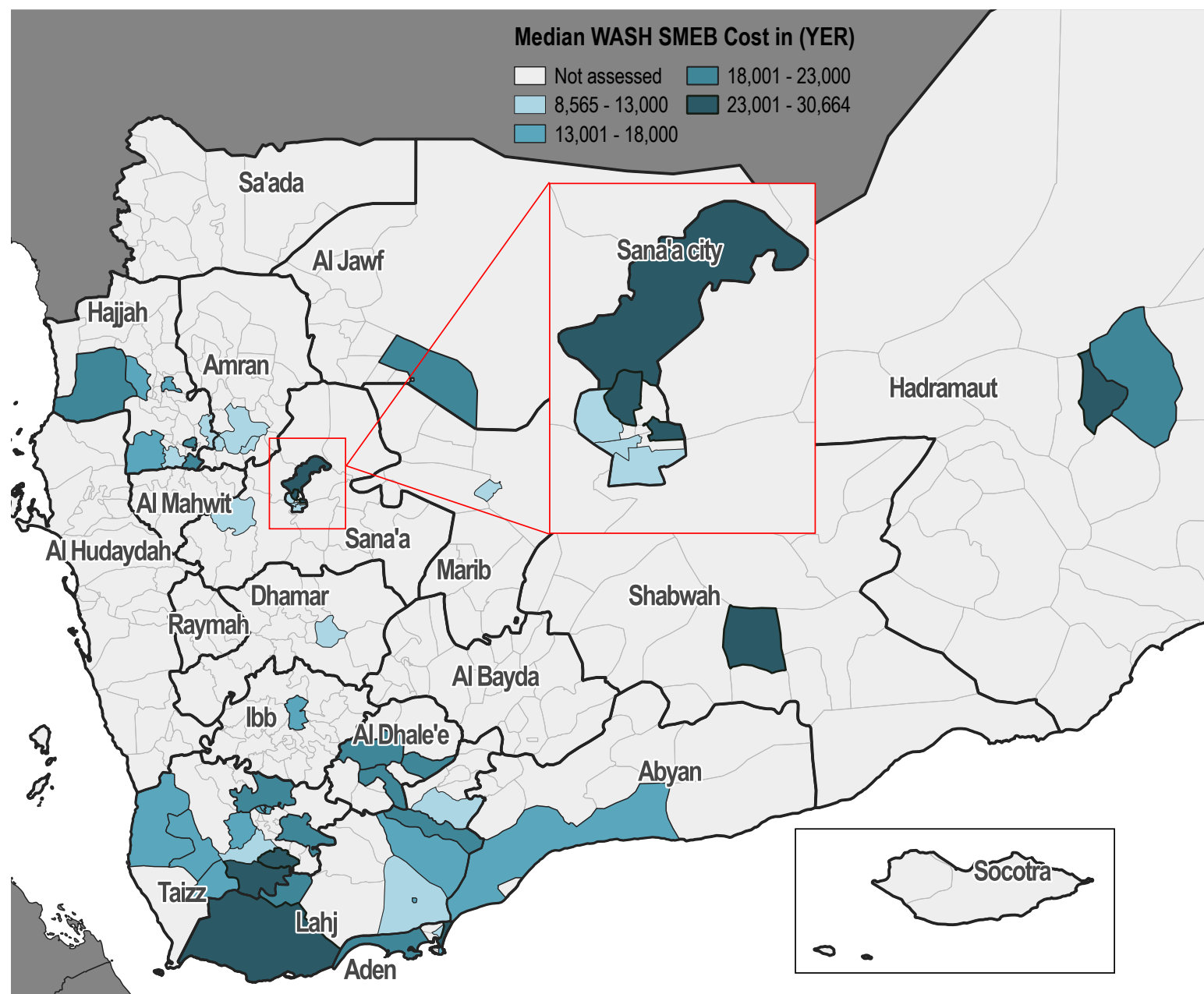
^Includes bank transfers.

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.

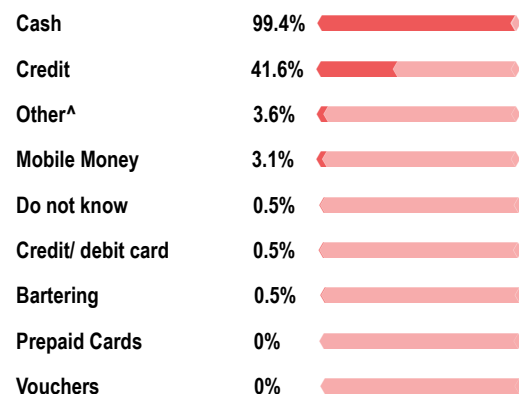
^Includes increased currency fluctuations, loss of vendors in the area, and additional fees.



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

Food SMEB*

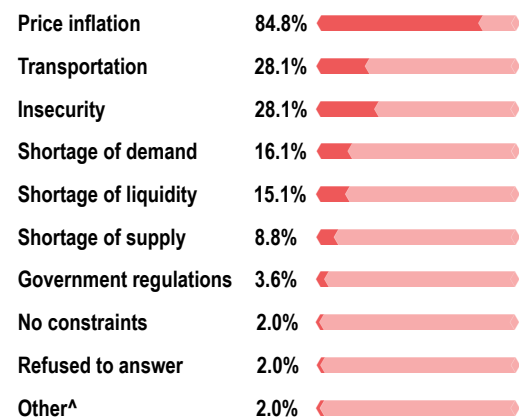
Food vendor KIs reported accepting the following payment modalities*



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

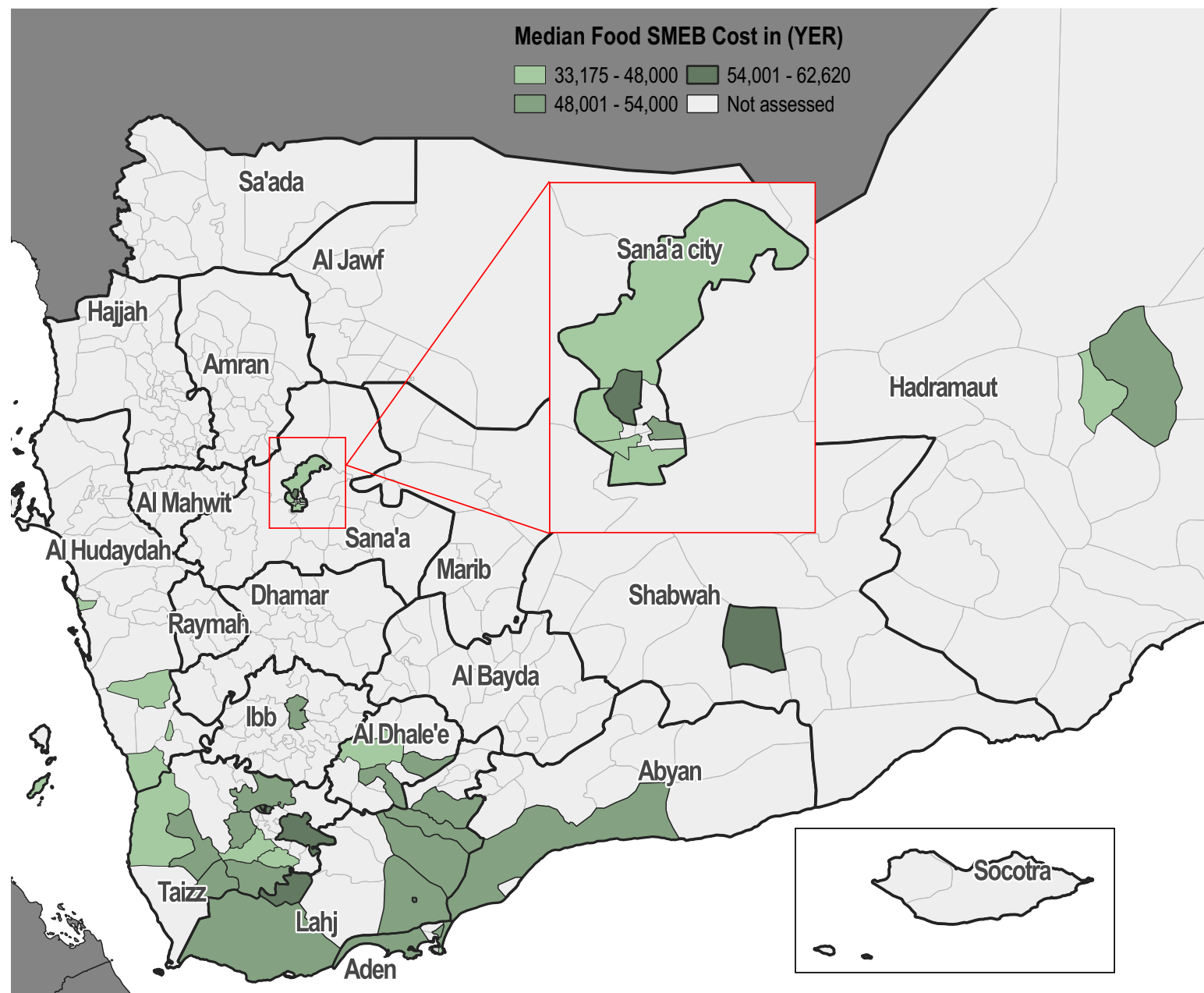
^Includes bank transfers.

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

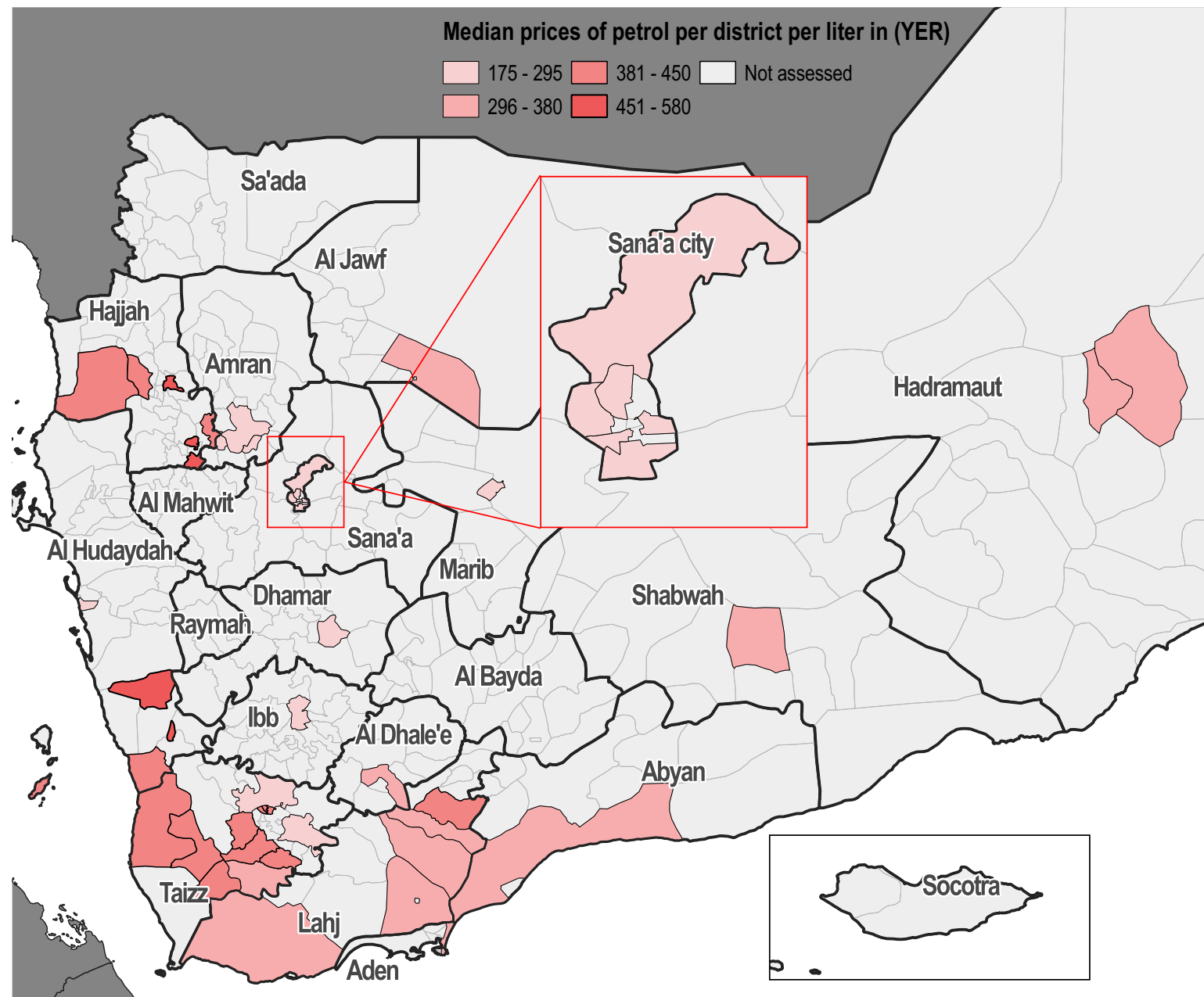


*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

^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 vendor KIs reported accepting the following payment modalities*

Cash	99.4%	<div></div>
Credit	21.1%	<div></div>
Vouchers	3.3%	<div></div>
Credit/ debit card	0.5%	<div></div>
Prepaid cards	0%	<div></div>
Mobile money	0%	<div></div>
Do not know	0%	<div></div>
Other	0%	<div></div>

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

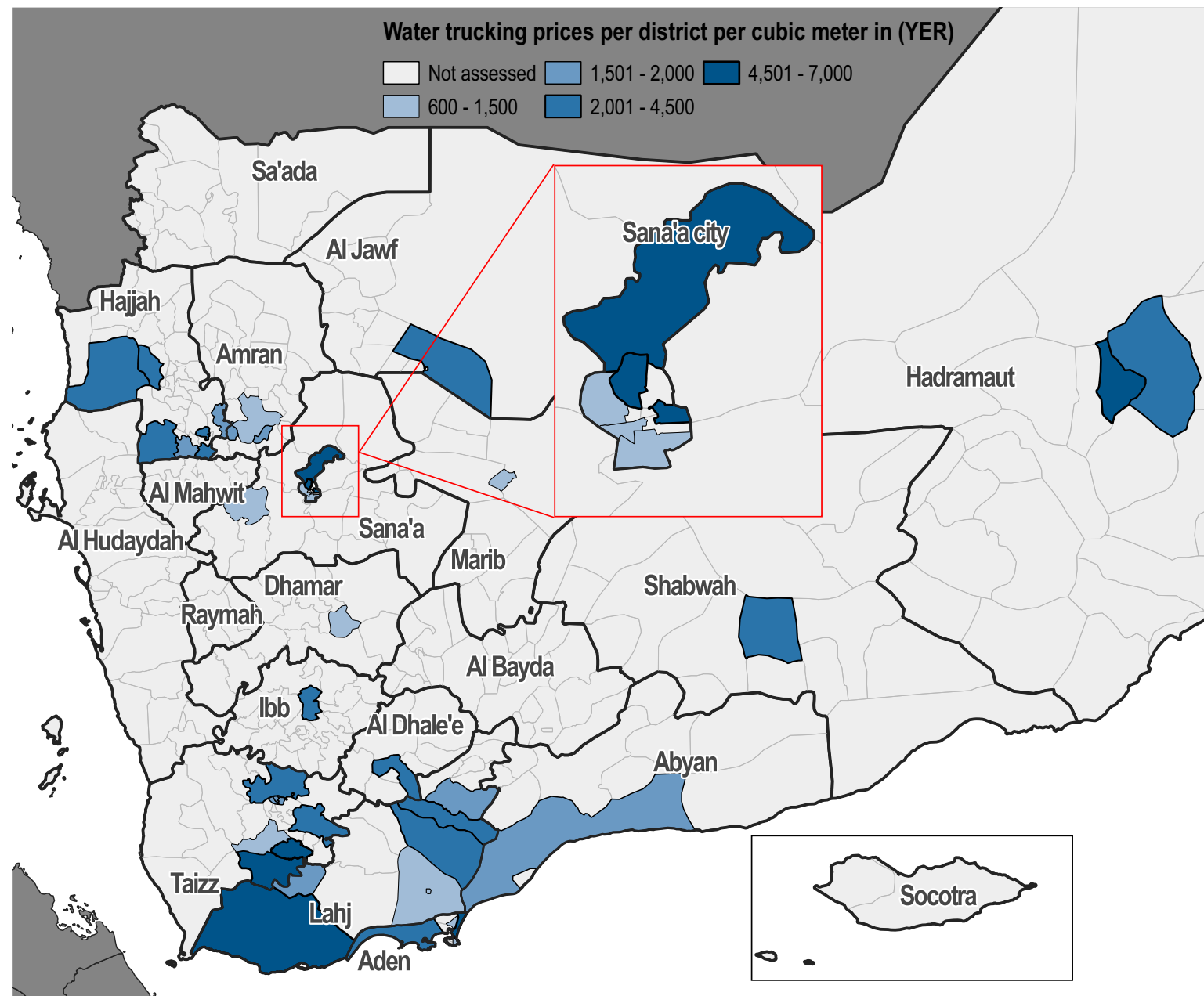
Most commonly reported constraints, by % of fuel vendor KIs*

Price inflation	75.5%	<div></div>
Transportation	37.7%	<div></div>
Shortage of supply	32.7%	<div></div>
Insecurity	18.8%	<div></div>
Shortage of liquidity	10.5%	<div></div>
Government regulations	7.2%	<div></div>
Other^	6.1%	<div></div>
Shortage of demand	5.0%	<div></div>
No constraints	4.4%	<div></div>
Refused to answer	3.3%	<div></div>

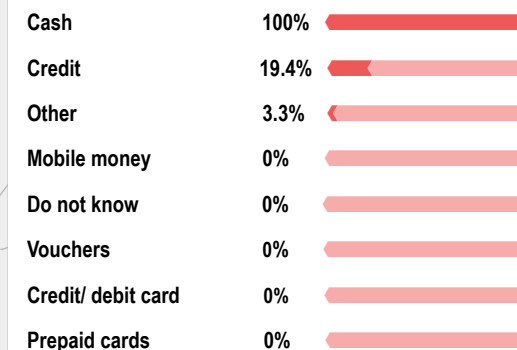
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

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

Water Trucking



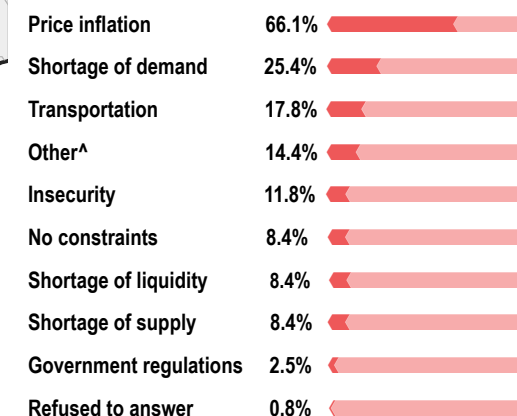
Water trucking vendor KIs reported accepting the following payment modalities*



*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)	400	400
Diesel (1L)	450	450
Cooking Gas (1 cylinder)	5000	8000
Soap (100g)	200	150
Laundry Powder (100g)	150	150
Sanitary Napkins (10 units)	638	500
Wheat Flour (1kg)	390	295
Beans Dry (1kg)	1100	1000
Beans Can (15oz can)	400	300
Vegetable Oil (1L)	1083	680
Sugar (1kg)	460	400
Salt (1kg)	100	100
Potatoes (1kg)	800	450
Onions (1kg)	800	475
Bleach (1L)	950	470
Bottled water (0.75L)	173	150
Treated water (10L)	100	100
Water trucking (1m³)	1900	2500
Rice (1kg)	1000	825
Lentils (1kg)	1000	700

Average reported restocking time (days)*^

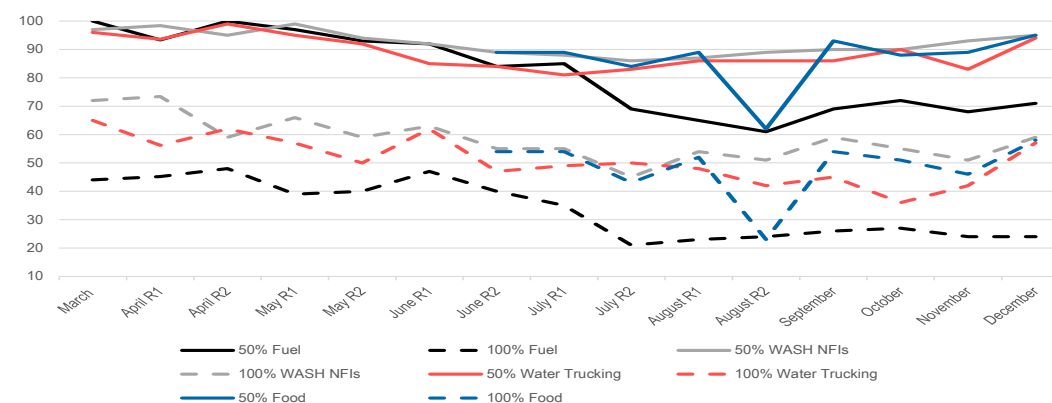
Governorate	Fuel Items	WASH Items	Food Items
Abyan	3 (3)	8 (5)	3 (5)
Aden	2 (1)	4 (3)	3 (3)
Al Dhale'e	2 (3)	3 (3)	2 (3)
Al Hudaydah	7 (5)	6 (3)	7 (3)
Al Jawf	4 (3)	3 (3)	4 (3)
Amran	9 (7)	9 (5)	10 (5)
Dhamar	2 (2)	14 (7)	3 (7)
Hadramaut	2 (2)	3 (5)	2 (5)
Hajjah	4 (4)	8 (4)	4 (4)
Ibb	4 (4)	5 (NA)	5 (NA)
Lahj	2 (2)	4 (5)	4 (5)
Marib	30 (15)	2 (14)	30 (14)
Sana'a	2 (2)	2 (5)	2 (5)
Sana'a City	2 (1)	4 (4)	3 (4)
Shabwah	1 (2)	1 (2)	1 (2)
Taizz	5 (5)	5 (4)	6 (4)

*Previous average restocking time (November 2020) in days between brackets.

^N/A 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.

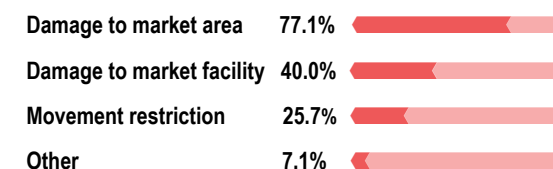


*Between April and August 2020, two rounds of data collection were held each month to monitor the foreseen more rapid changes as a result of the COVID-19 pandemic and restrictions

Effect of supply route changes on businesses

Overall, 23.8% of vendor KIs (70/293) 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*



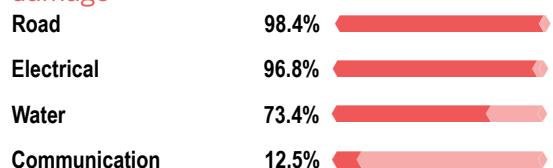
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

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

Damaged infrastructure affecting vendor capacity to conduct business

The 64 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*



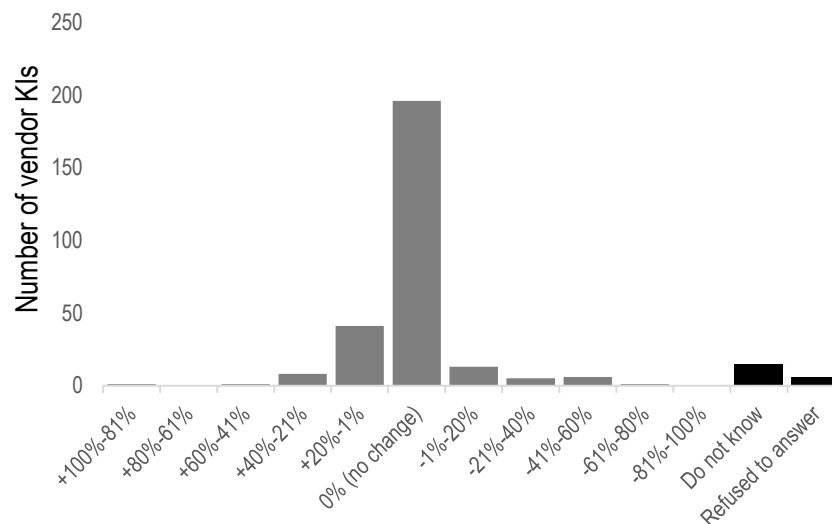
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Impact of COVID-19 on respondents' businesses

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

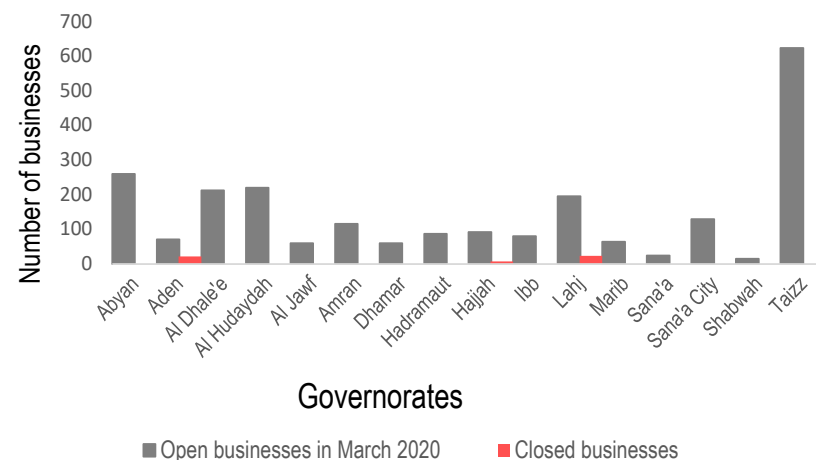
Overall, around half of vendor KIs (67%) reported having perceived no change in the number of customers in the two weeks prior to data collection. Less vendors reported having experienced a change in customers, be it either a decrease (8.5%, or 25/293 vendors) or increase (17.4% or 51/293 vendors) of customers.

Of the 293 vendor KIs surveyed, 3.4% (10/293) 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 3.1% reporting this during previous round of data collection in November).



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 (52 businesses) decreased by 48% compared to the last round of data collection in November (100 businesses).



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



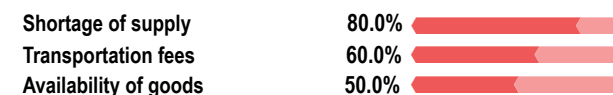
^Average number of businesses within a two minute walk from KIs' businesses that were reportedly open in early March 2020.

Average reported number of nearby businesses that were closed^



^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*

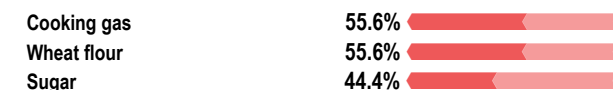


Results from the previous JMMI round (8-12 November)



*Based on the responses from the 3.4% (10 out of 293) of vendor KIs who had difficulties obtaining goods due to COVID-19.

Top 3 most difficult goods to obtain*



Results from the previous JMMI round (8-12 November)



*Based on the responses from the 3.4% (10 out of 293) 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	4250	21112.5	NA	NA	Al Hudaydah	2/3	Al Hudaydah	2/2	Al Hudaydah	2/5
Al Dhale'e	Ad Dhale'e	360	3000	17370	48450	65820	Aden	5/6	Al Dhalee	6/6	Al Dhalee	6/6
Lahj	Al Hawtah	NA	1500	15995	54155	70150	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Al Mukha	400	NA	15373.25	43425	58798.25	Aden	6/6	Aden	6/6	Aden	6/6
Aden	Al Buraiqeh	NA	4250	22512.5	50700	73212.5	Aden	2/2	Aden	5/5	Aden	5/5
Al Hudaydah	Al Hawak	295	NA	NA	33175	NA	NA	NA	NA	NA	NA	NA
Sana'a	Al Haymah Ad	NA	1250	10399.25	NA	NA	Al Hudaydah	2/2	Sana'a city	2/2	Amanat Al Asimah	2/2
Al Jawf	Al Hazm	355	3500	21050	NA	NA	Marib	2/2	Sanaa	2/3	Al Jawf	2/2
Al Hudaydah	Al Khawkhah	400	NA	NA	43500	NA	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Al Ma'afer	400	1000	11260	46929	58189	Aden	4/5	Aden	5/5	Aden	3/3
Lahj	Al Madaribah Wa	360	5000	26098.5	52150	78248.5	Aden	3/3	Aden	2/3	Aden	3/3
Ibb	Al Makhadir	295	2500	15975	53087.5	69062.5	Ibb	3/3	Ibb	4/4	Ibb	4/4
Lahj	Al Maqtirah	NA	1800	16940	55655	72595	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Al Mawasit	400	7000	30664.25	44439.5	75103.75	Aden	3/5	Aden	4/6	Aden	4/6
Lahj	Al Milah	330	2200	13905	51220	65125	NA	NA	Lahj	2/2	NA	NA
Taizz	Al Mudhaffar	450	1750	13512.5	62620	76132.5	Aden	3/3	Taizz	3/3	Taizz	3/3
Taizz	Al Qahirah	450	1750	13612.5	57850	71462.5	Aden	3/3	Aden	2/3	Taizz	3/3
Sana'a City	Al Wahdah	295	600	8565	35973	44538	Al Hudaydah	2/2	Sanaa	2/2	Sanaa	2/2
Taizz	Al Wazi'iyah	430	NA	15950	49400	65350	Aden	3/3	Aden	3/3	Aden	3/3
Amran	Amran	295	1646	12048.4	NA	NA	Sana'a city	3/5	Sanaa	4/5	Sanaa	4/5
Sana'a City	As Sabain	295	1500	10941.5	33250	44191.5	Sana'a city	2/3	Sana'a city	2/3	NA	NA
Hajjah	Ash Shaghadirah	NA	2000	12897.5	NA	NA	Al Hudaydah	2/2	Al Hudaydah	2/2	Al Hudaydah	2/2
Aden	Ash Shaikh	NA	1200	10855	49350	60205	Aden	4/4	Aden	4/4	Aden	3/3
Taizz	Ash Shamayatayn	380	6500	29286.75	52100	81386.75	NA	NA	Taizz	4/4	Taizz	4/4
Al Dhale'e	Ash Shu'ayb	NA	NA	18922.5	52550	71472.5	NA	NA	Aden	4/4	Aden	4/4
Hajjah	Aslem	400	2500	14950	NA	NA	Al Hudaydah	4/7	Al Hudaydah	4/7	Al Hudaydah	4/7
Taizz	At Ta'iziyah	295	3000	17240	52637.5	69877.5	Sanaa	2/2	Taizz	4/4	Taizz	4/4
Shabwah	Ataq	350	2600	25390	55150	80540	Aden	3/3	Sanaa	3/3	Sanaa	3/3
Sana'a City	Ath'thaorah	295	7000	27810	56675	84485	Lahj	3/3	Sanaa	3/3	Sanaa	3/3
Sana'a City	Az'zal	295	7000	27810	53600	81410	Marib	3/3	Sanaa	3/3	Sanaa	3/3
Hajjah	Bani Al Awam	500	3500	16475	NA	NA	NA	NA	Sanaa	2/3	Sanaa	3/3
Sana'a City	Bani Al Harith	295	7000	27810	35475	63285	Marib	3/3	Sanaa	3/3	Sanaa	3/3
Hajjah	Bani Qa'is	NA	2500	14750	NA	NA	Al Hudaydah	2/2	Al Hudaydah	1/1	Al Hudaydah	2/2
Aden	Craiter	330	1400	15680	45885	61565	Aden	3/3	Aden	3/3	Aden	3/3
Dhamar	Dhamar City	295	1000	9875	NA	NA	Dhamar	3/3	Dhamar	3/3	Dhamar	2/3
Taizz	Dimnat Khadir	295	3000	17550	55625	73175	NA	NA	Taizz	3/4	Taizz	4/4
Lahj	Habil Jabr	400	1556	12901.4	52800	65701.4	Aden	2/3	Aden	3/3	Aden	3/3
Hajjah	Hajjah City	500	3500	21650	NA	NA	Al Hudaydah	2/3	Sana'a city	2/3	Al Hudaydah	3/3
Taizz	Jabal Habashy	425	NA	15635	52129	67764	Lahj	9/10	Taizz	10/10	Taizz	4/4
Amran	Jabal lyal Yazid	295	1000	9937.5	NA	NA	Al Hudaydah	2/2	Amran	2/2	Amran	2/2

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^
Abyan	Khanfir	335	2000	14561.5	49350	63911.5	Aden	3/3	Ibb	4/5	Abyan	4/5
Aden	Khur Maksar	330	5000	24350	49100	73450	Aden	4/4	Aden	4/4	Aden	2/3
Hajjah	Kuhlan Affar	400	2000	12775	NA	NA	Al Hudaydah	2/2	Amran	2/2	Amran	2/2
Hajjah	Kuhlan Ash Sharaf	580	NA	13920	NA	NA	Hajjah	2/3	Al Hudaydah	2/3	Amran	2/3
Sana'a City	Ma'ain	295	600	8670	35829	44499	Al Hudaydah	2/2	NA	NA	Sanaa	2/2
Marib	Marib City	175	900	9615	NA	NA	Marib	3/3	Marib	3/3	Sanaa	3/3
Taizz	Mawza	410	NA	15950	49400	65350	Aden	3/3	Aden	3/3	Aden	3/3
Al Dhale'e	Qa'atabah	NA	NA	17870	47859	65729	NA	NA	Aden	4/4	Aden	4/4
Lahj	Radfan	330	4500	22050	50212.5	72262.5	Aden	2/3	Aden	3/3	Aden	3/3
Taizz	Salh	425	2000	14375	60320	74695	Aden	3/3	Aden	2/3	Taizz	2/3
Hadramaut	Sayun	335	5000	25176.5	47470	72646.5	Hadramaut	3/3	Hadramaut	3/3	Hadramaut	3/3
Hadramaut	Tarim	335	4000	22710	49155	71865	Hadramaut	3/3	Hadramaut	3/3	Hadramaut	3/3
Lahj	Tuban	330	1200	11880	50200	62080	Aden	4/4	Aden	4/4	Aden	5/5
Al Hudaydah	Zabid	500	NA	NA	36665	NA	Al Hudaydah	9/9	Al Hudaydah	9/9	Al Hudaydah	9/9

^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 CMWVG 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 JMMI was developed by the CMWVG, 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 JMMI, 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 JMMI 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 of 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.

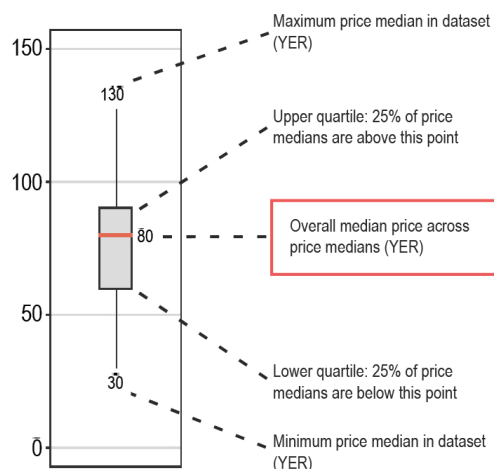
Limitations

Due to issues of access and security across Yemen, the districts included in the JMMI 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	3
Al Hudaydah	3
Al Jawf	1
Amran	2
Dhamar	1
Hadramaut	2
Hajjah	8
Ibb	1
Lahj	7
Marib	1
Sana'a	1
Sana'a City	6
Shabwah	1
Taizz	12