

# Yemen Joint Market Monitoring Initiative

## October 2021 Situation Overview

Governorates 16  
Districts 58  
Key informants 270



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 (JMIMI) was launched by REACH in collaboration with the Water, Sanitation, and Hygiene (WASH) Cluster and the Cash and Market Working Group (CMWGW) to support humanitarian actors with the harmonization of price monitoring among all cash actors in Yemen. The JMIMI 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 JMIMI 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 JMIMI to begin assessing the potential impact of the pandemic on markets and on respondents' businesses.

### Methodology

The calculations for aggregations and cost of the SMEB commodities have changed in a step by REACH to improve the JMIMI and bring it closer to Global REACH standards. Refer to page 12 for more details on the methodology. Looking for longitudinal trends and historic data? Please refer to the [Interactive Dashboard](#), instead of past Situation Overviews, to obtain data aligned with the latest 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. Please refer to page 12 for additional methodological details.

### JMIMI monthly figures

Data collection 3rd - 7th of October

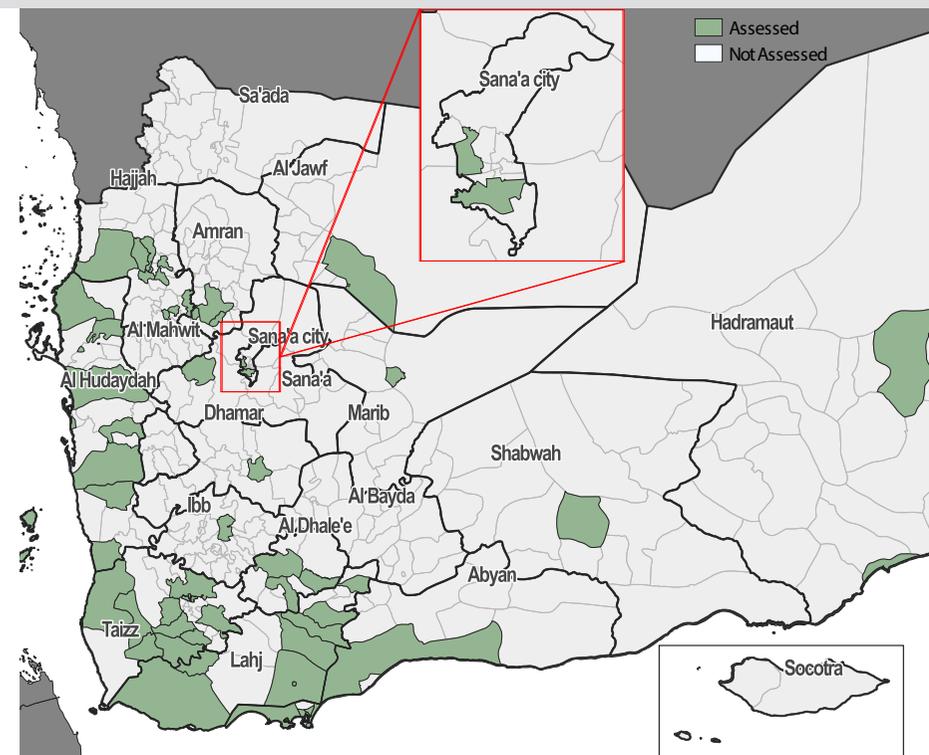
- 16 Participating partners
- 16 Governorates assessed
- 58 Districts assessed
- 270 Vendor KIs surveyed

Assessed items	September 2021 (YER)	October 2021 (YER)	Change (from September 2021)
<b>Full SMEB*</b> (dry beans/canned beans)	<b>112500</b>	<b>131895</b>	<b>+17.2%</b>
<b>WASH SMEB**</b>	<b>17119</b>	<b>18272</b>	<b>+6.7%</b>
Soap (100g)	200	228	+14.0%
Laundry powder (100g)	150	150	0.0%
Sanitary napkins (10 Pack)	600	700	+16.7%
Water trucking (1m <sup>3</sup> )	2500	3000	+20.0%
Bottled water (0.75L)	150	175	+16.7%
Treated water (10L)	113	150	+32.7%
Bleach (1L)	900	900	0.0%
Petrol (1L)	605	740	+22.3%
Diesel (1L)	650	750	+15.4%
Cooking gas (1cylinder)	6000	6000	0.0%
<b>Food SMEB (dry beans)<sup>A</sup></b>	<b>55600</b>	<b>75400</b>	<b>+35.6%</b>
<b>Food SMEB (canned beans)<sup>A</sup></b>	<b>54900</b>	<b>78353</b>	<b>+42.7%</b>
Wheat flour (1 kg)	425	551	+29.6%
Rice (1 kg)	937	1000	+6.7%
Dry kidney beans (1 kg)	1100	1350	+22.7%
Canned kidney beans (15 oz can)	380	567	+49.2%
Lentils (1 kg)	850	950	+11.8%
Vegetable oil (1L)	1275	1640	+28.6%
Sugar (1 kg)	500	785	+57.0%
Salt (1 kg)	129	150	+16.3%
Potatoes (1 kg)	500	525	+5.0%
Onions (1 kg)	500	600	+20.0%

\* Includes WASH SMEB, food SMEB and lumpsum of NFI/Shelter and Services. Dry beans are used by default, except for districts where only canned beans are available.  
\*\* Contains soap (1.05 kg), laundry powder (2 kg), sanitary napkins (50 units), and water (3.15 m<sup>3</sup>).  
<sup>A</sup> Contains wheat flour (75 kg), dry beans (10 kg) or canned beans (36 cans), vegetable oil (8 L), sugar (2.5 kg), salt (1kg)

### Key findings

- The exchange rate in the south of Yemen increased with 14.4% from the previous round in September, currently standing at 1190 YER/USD.
- Nearly all monitored commodity prices increased since September. The highest increase was in sugar (+57%) and canned beans (+49.2%). As a result, cost of the national food SMEB, including canned beans, increased with 42.7% to 78353 YER, and the cost of the national food SMEB, including dry beans, increased with 35.6% to 70400 YER.
- The national WASH SMEB cost increased by 6.7%.
- The national total SMEB cost was found to have increased by 17.2%.
- Petrol and diesel prices rose significantly compared to the previous month. Petrol was reported at a national median 740 YER compared to 605 YER (+22.3%) in September, while diesel stood at 750 YER compared to 650 YER in the previous month (+29.2%).
- Of the interviewed fuel vendors, 33.4% reported a shortage of supplies. Thereby supply shortage was among the three most reported constraints by fuel vendors. In comparison, 11.2% of food vendors reported supply shortage, 8.4% for WASH vendors, and 7.0% of water trucking vendors.
- In Lahj, restocking times remained high at 10 days for fuel and food, and 9 days for WASH, since September. Similarly, the restocking time for WASH items remains high in Hadramaut (11 days in October, 10 days in September).



### Exchange Rate

500  
0.0%  
USD/YER  
Official

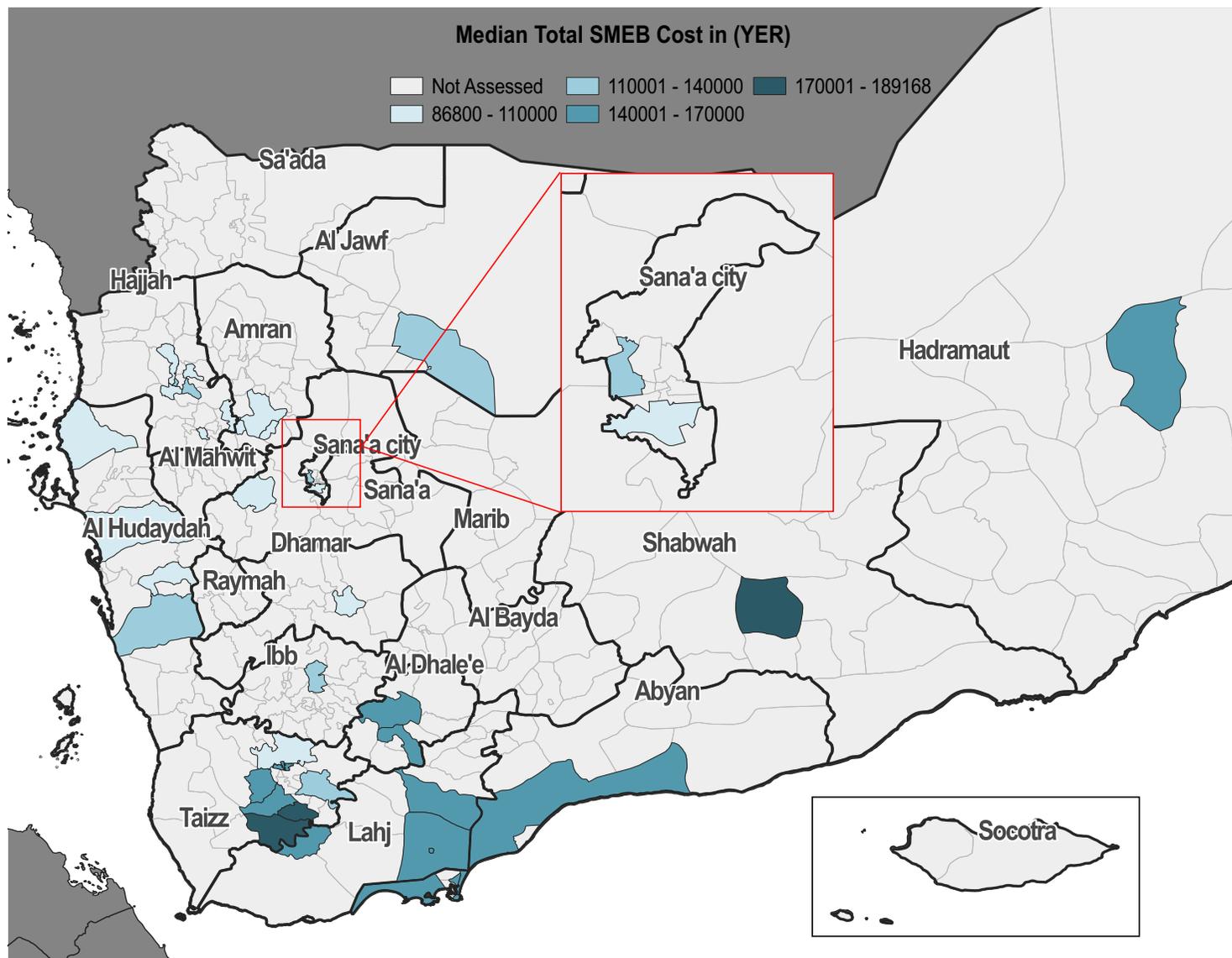
600  
0.3%  
USD/YER  
Parallel market (in DFA)  
rate October 2021

599  
USD/YER  
Parallel Market  
rate (in DFA)  
September 2021

1190  
14.4%  
USD/YER  
Parallel market (in IRG)  
rate October 2021

1040  
USD/YER  
Parallel Market rate  
(in IRG)  
September 2021

# Total SMEB prices (3-7 October 2021)\*,^



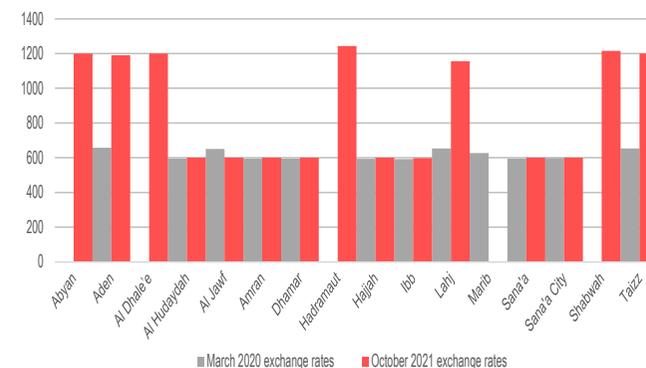
\*In principle, dry beans are used to calculate the total SMEB. When there is no price indication available for this commodity in a district the canned bean price is used.

# Exchange rate (YER/USD)\*

Governorate	March 2020 <sup>^</sup>	September 2021	October 2021
Abyan	NA	1000	1200
Aden	658	1015	1190
Al Bayda	596	NA	NA
Al Dhale'e	NA	1050	600(1200)
Al Hudaydah	595	600	600(1200)
Al Jawf	650	590	600
Amran	595	598	600
Dhamar	595	596	600
Hadramaut	NA	1035	1243
Hajjah	594	599	600
Ibb	592	597	598
Lahj	654	1021	1147
Marib	628	1079	NA
Sa'ada	598	NA	NA
Sana'a	595	599	600
Sana'a City	598 (628)	1000	600
Shabwah	NA	1060	1216
Taizz	654	1030	1196

\*New banknote exchange rates / Exchange rate for the new currency in parenthesis.  
 NA (not applicable) data was not available.  
<sup>^</sup>March was chosen as a baseline to assess the effect of COVID-19 on exchange rates.

# Exchange rate in March 2020 and October 2021



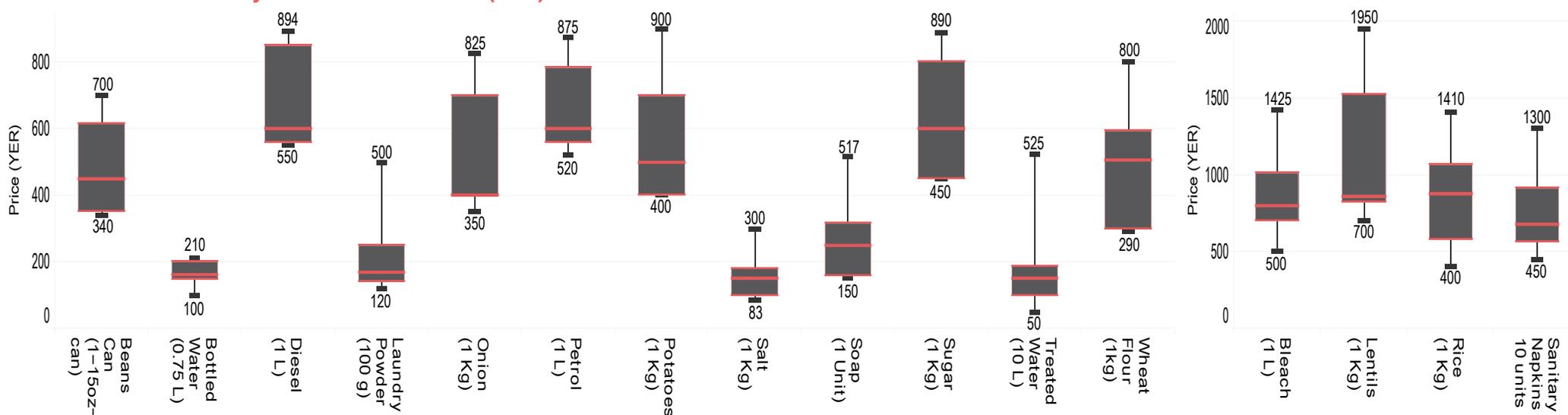
\*Governorate labels point to two bars indicating March 2020 base values and October 2021 values. Gaps between bars indicates that no exchange rate value was recorded in this governorate.

# Price per key item, per governorate (YER)\*

Governorate	Petrol (1L)	Diesel (1L)	Cooking gas (1)	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	750	820	5000	150	100	329	150	800	1000	2000	16754	600	1000	NA	600	NA	2000	800	100	700	700	NA	84700
Aden	740	850	9800	200	100	250	150	800	1300	2688	19079	650	1410	1325	640	1575	2140	890	175	700	700	79581	91250
Al Dhale'e	815	855	8250	210	150	250	215	950	800	5000	27663	570	1400	2243	625	1950	2250	800	83	900	825	84257	84936
Al Hudaydah	600	580	7000	200	150	150	120	525	600	3000	16300	350	950	800	350	875	1000	500	185	400	400	43600	48525
Al Jawf	540	550	5000	200	NA	350	250	1300	700	2000	21475	300	500	NA	350	NA	1500	500	100	500	400	NA	48450
Amran	558	555	5000	145	238	165	126	475	694	2300	13878	298	413	NA	350	838	1325	450	100	400	350	NA	46738
Dhamar	550	560	7500	130	500	150	150	600	750	1500	12300	290	450	NA	340	800	1250	450	100	400	350	NA	45215
Hadramaut	680	600	3500	200	525	517	425	950	1150	5000	34846	590	1000	1500	550	1250	1550	700	275	650	650	75400	78475
Hajjah	560	600	6500	150	150	150	130	600	1000	3250	16960	300	800	650	350	800	1000	450	100	400	400	34962	45925
Ibb	520	570	5500	100	100	200	150	600	800	3000	17550	450	650	1100	350	700	600	500	150	450	400	50950	52550
Lahj	850	860	6000	175	100	265	187	750	1425	2800	19132	580	1399	2100	602	1500	2000	840	163	750	750	84400	81300
Marib	NA	NA	NA	150	100	300	250	1000	900	NA	NA	565	1000	NA	600	NA	1400	800	190	NA	NA	NA	77365
Sana'a	560	560	5000	150	200	150	125	450	700	2000	12625	300	400	NA	350	850	1100	450	100	400	350	NA	45125
Sana'a City	560	560	4800	135	175	190	210	500	775	3000	18145	299	650	1500	350	850	1100	450	175	475	400	47388	45107
Shabwah	850	850	3000	200	50	400	500	600	500	2600	25390	800	800	NA	700	NA	1900	800	300	500	500	NA	102700
Taizz	875	894	6000	200	100	250	250	875	1025	4139	24811	625	1125	2300	659	1550	1931	850	150	800	700	94712	87952
National median price	740	750	6000	175	150	228	150	700	900	3000	18272	551	1000	1350	567	950	1640	785	150	525	600	75400	78353

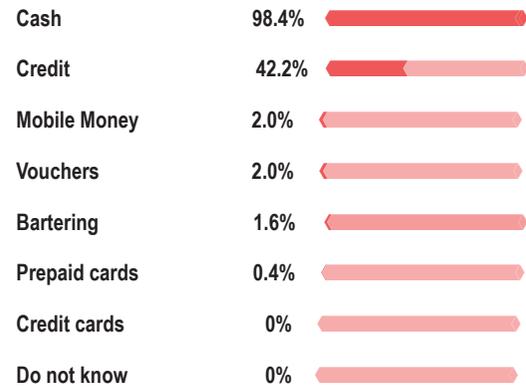
\*Darker colour strokes indicate high outliers for each commodity, lighter colour strokes indicate the low outliers of each commodity. NA (not applicable) data was not available.

## Price distribution of key items across Yemen (YER)



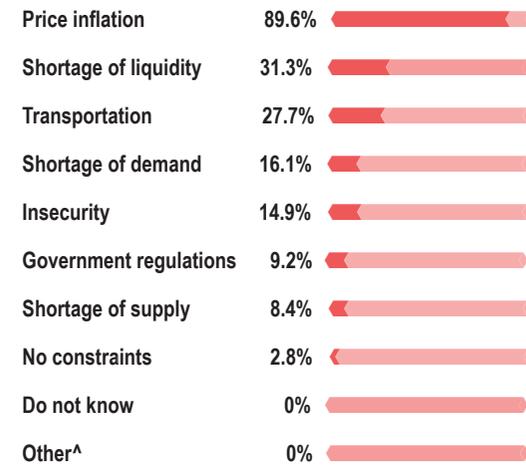
# WASH SMEB\*

## WASH vendor KIs reported accepting the following payment

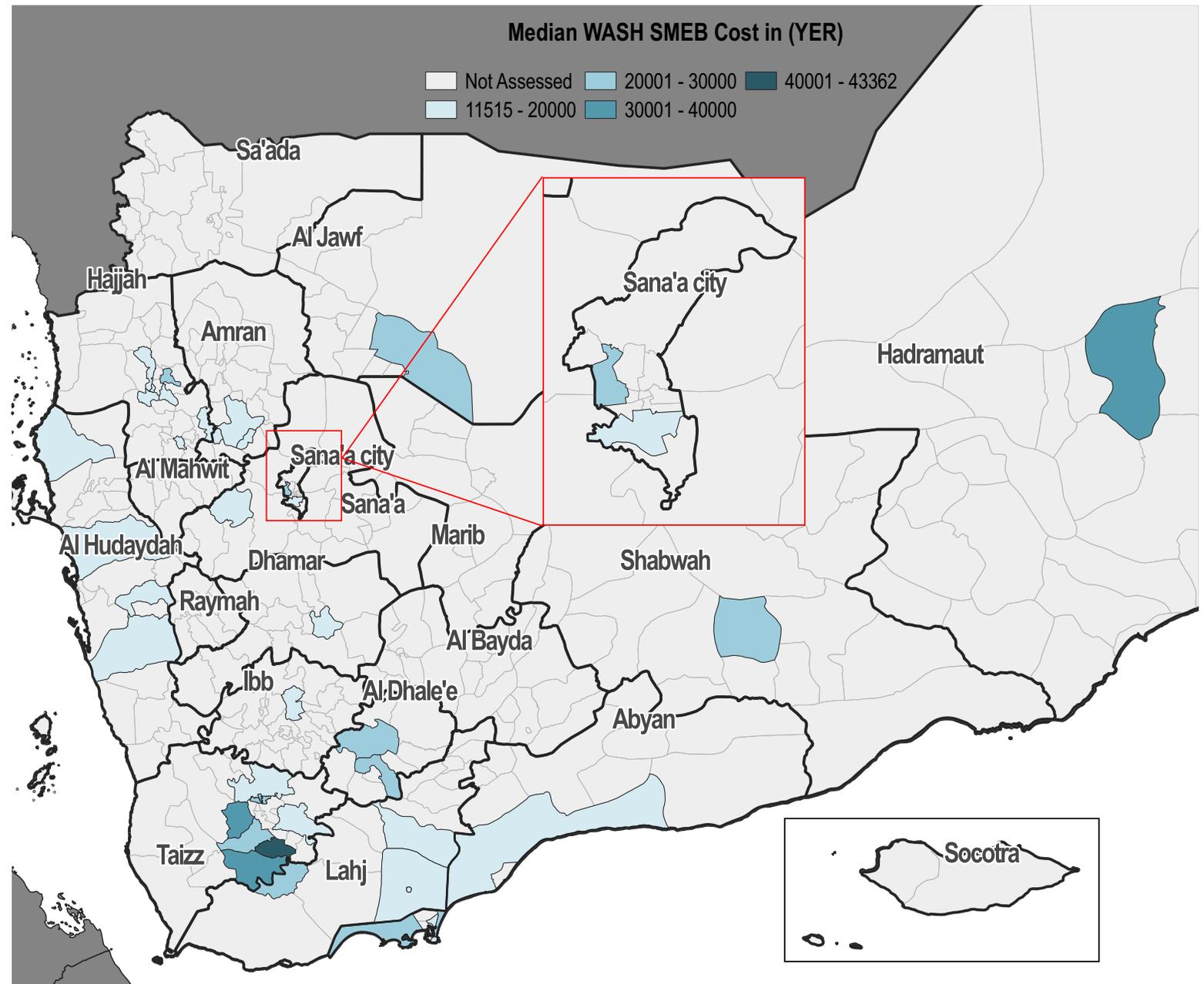


\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

## Most commonly reported constraints, by % of WASH vendor

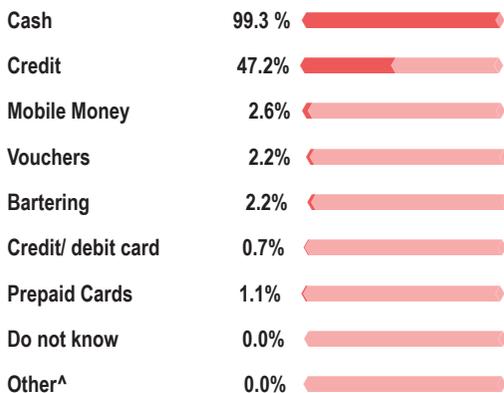


\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.



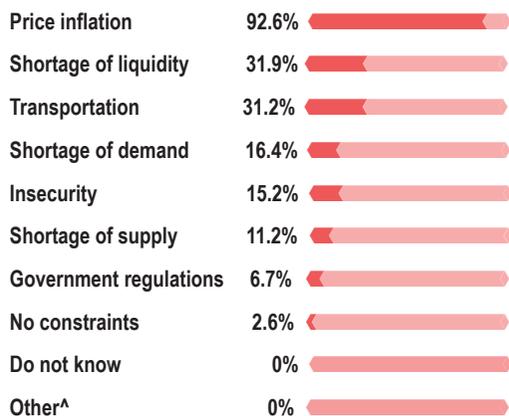
# Food SMEB\*

## Food vendor KIs reported accepting the following payment modalities\*

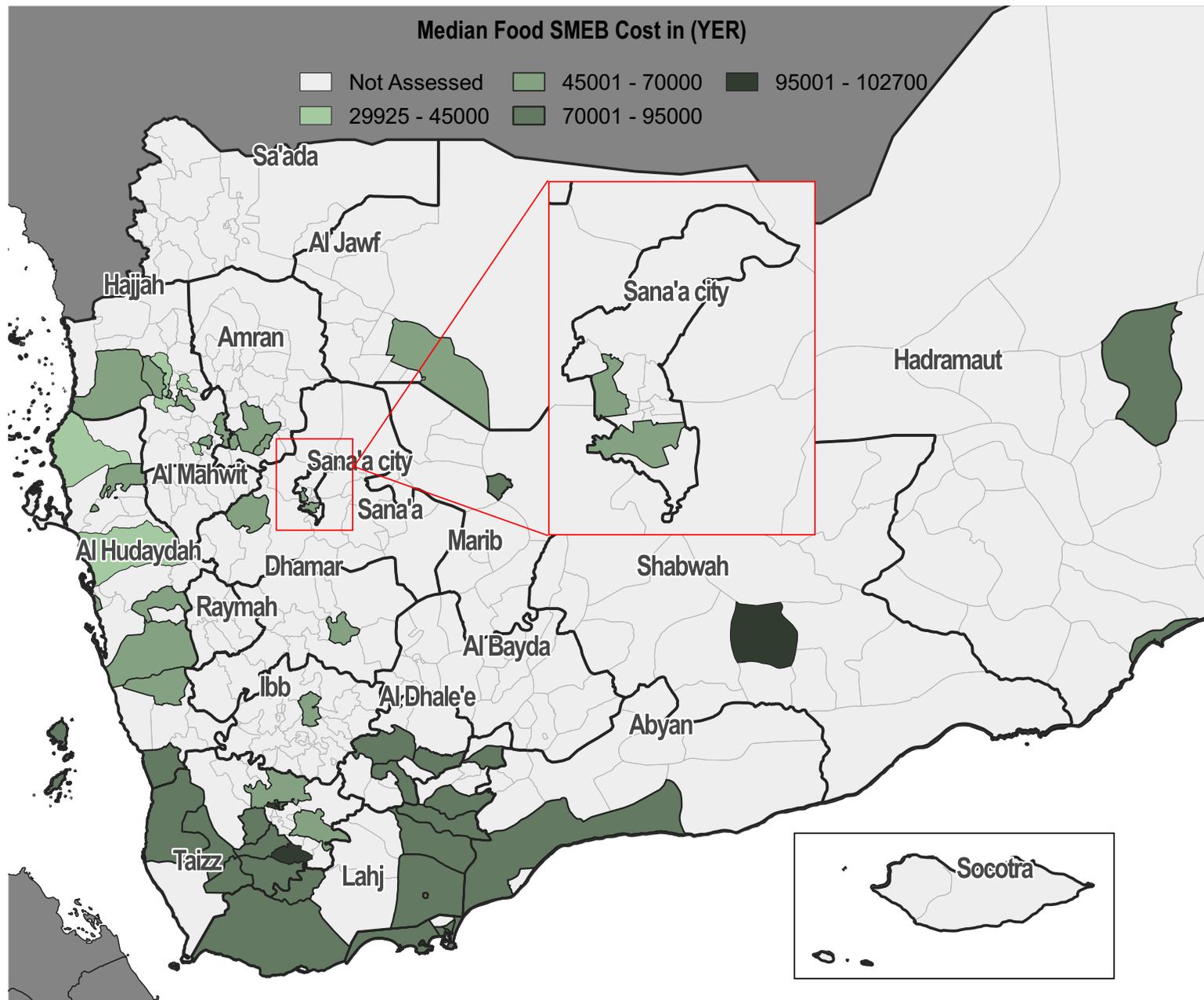


\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

## Most commonly reported constraints, by % of food vendor



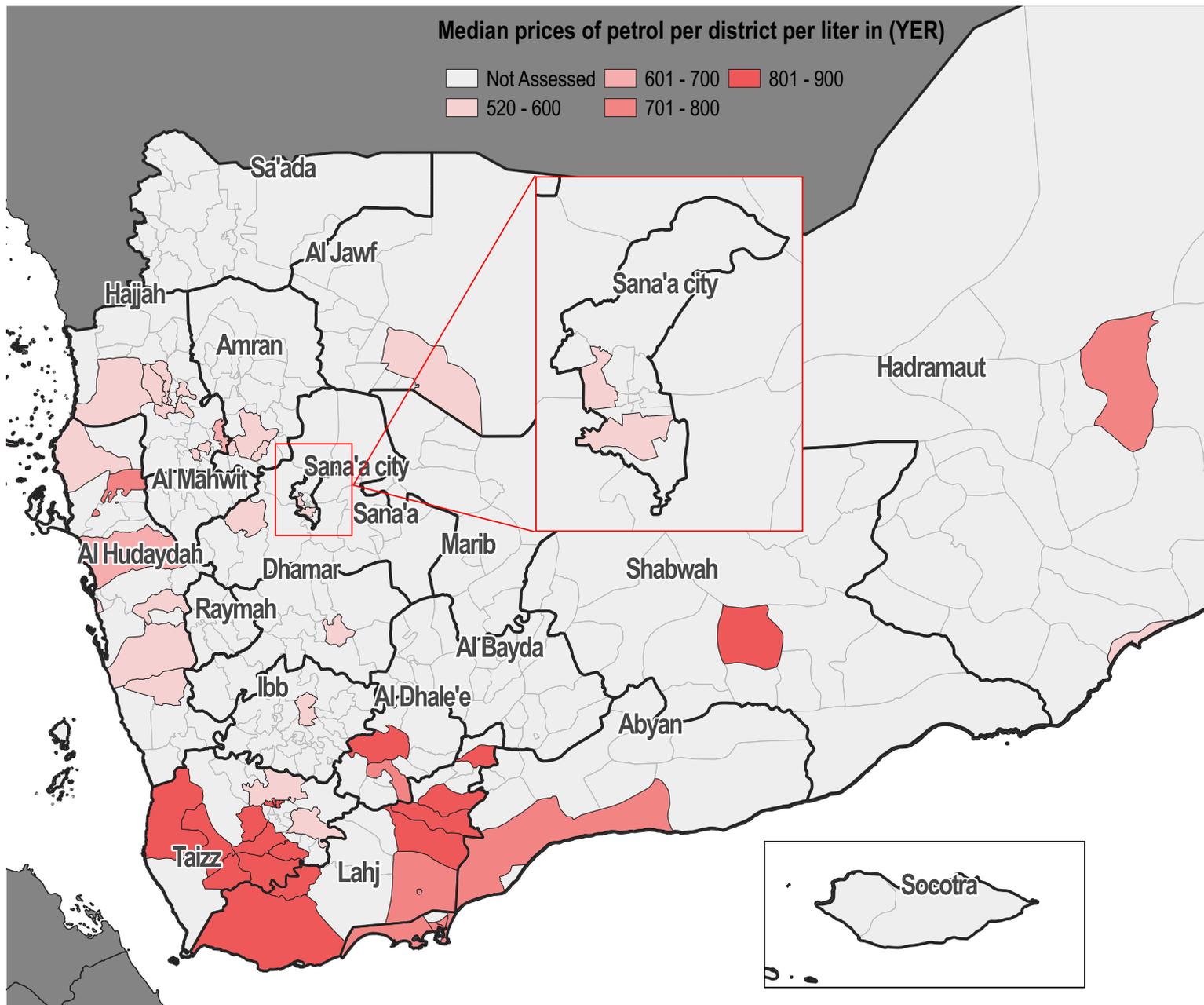
\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.



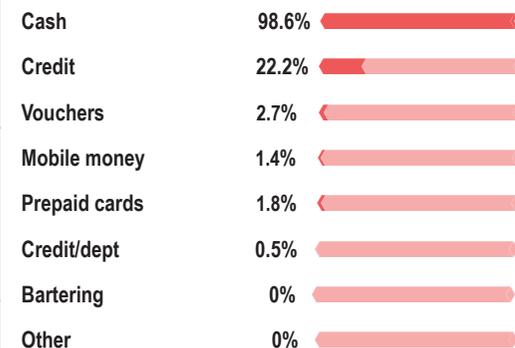
\*In principle, dry beans are used to calculate the Food SMEB. When there is no price indication available for this commodity in a district the canned bean price is used. Refer to the table on page 10-11 for the Food SMEB prices per district, both for canned beans and dry beans.

# Fuel

Median prices of petrol per district per liter in (YER)

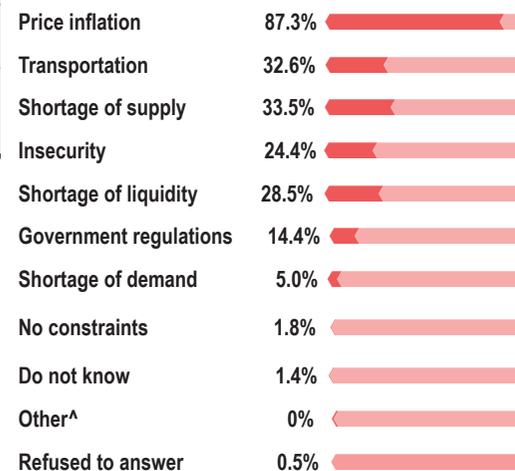


## Fuel vendor KIs reported accepting the following payment modalities\*



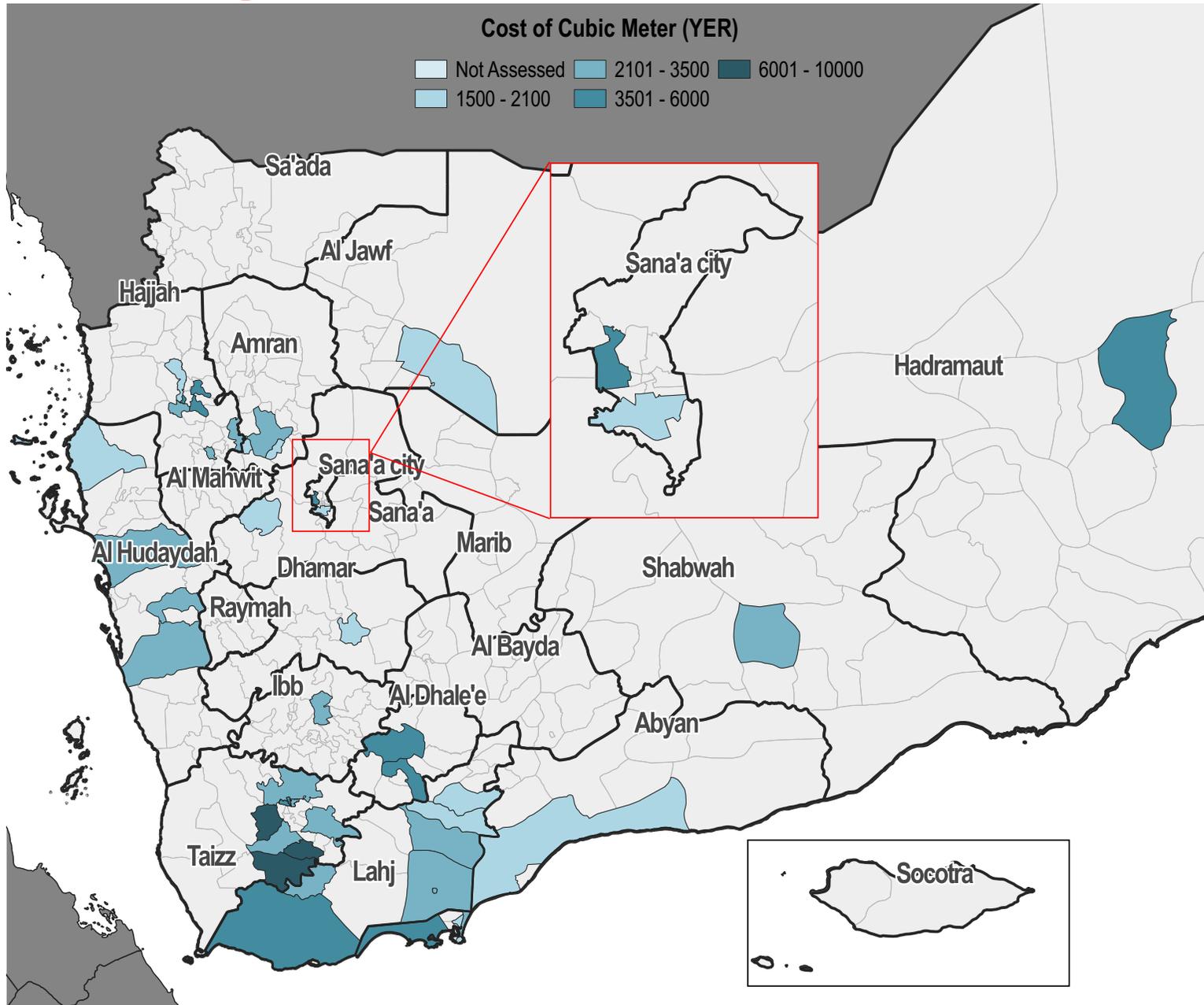
\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

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



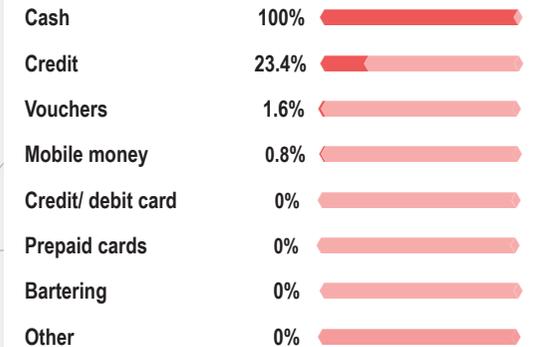
\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

# Water Trucking



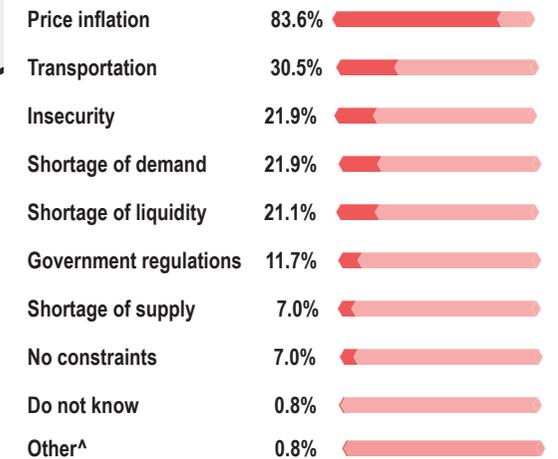
\*Red outlines over districts indicate the districts for which outliers were recorded.

## 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.

## 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 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)	600	850
Diesel (1L)	600	875
Cooking Gas (1 cylinder)	7000	6000
Bottled water (0.75L)	200	200
Treated water (10L)	150	150
Bleach (1L)	450	1300
Soap (100g)	150	280
Laundry Powder (100g)	120	220
Sanitary Napkins (10 units)	550	1000
Water trucking (1m <sup>3</sup> )	3000	4444
Wheat Flour (1kg)	350	650
Rice (1kg)	800	1000
Beans Dry (1kg)	800	2400
Beans Can (15oz can)	350	650
Lentils (1kg)	800	1800
Vegetable Oil (1L)	1000	2160
Sugar (1kg)	500	900
Salt (1kg)	100	150
Potatoes (1kg)	400	800
Onions (1kg)	400	700

## Average reported restocking time (days)\*^

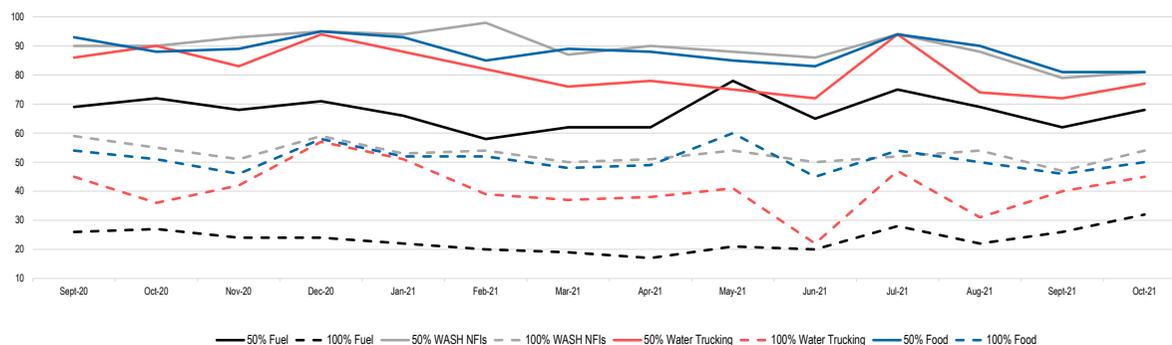
Governorate	Fuel Items	WASH Items	Food Items
Abyan	6 (5)	5 (4)	4 (4)
Aden	5 (2)	3 (2)	3 (2)
Al Dhale'e	6 (4)	3 (2)	4 (3)
Al Hudaydah	7 (10)	8 (7)	7 (6)
Al Jawf	4 (4)	5 (5)	4 (4)
Amran	2 (6)	2 (3)	2 (4)
Dhamar	NA(3)	2 (4)	2 (2)
Hadramaut	5 (5)	11 (12)	6 (7)
Hajjah	8 (12)	5 (4)	5 (4)
Ibb	NA(11)	3 (3)	2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

\*Previous average restocking time (September 2021) in days between brackets.  
^ Darker colour strokes indicate high restocking times, lighter colour strokes indicate steep declines in restocking time. NA (not applicable) indicates that no data is available.

## 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.

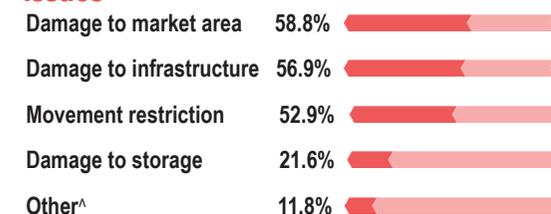
\*Between April and August 2020, two rounds of data collection were held each month to monitor the foreseen more rapid changes as a result of the COVID-19 pandemic and restrictions.



## Effect of supply route changes on businesses

Overall, 18.9% of vendor KIs (51/270) 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\*

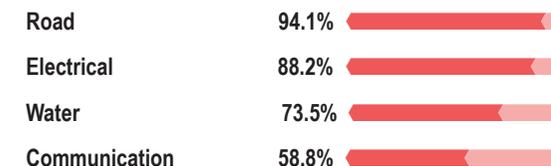


\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

^Other includes: increasing exchange rate and prices, lack of oil derivatives.

## Damaged infrastructure affecting vendor capacity to conduct business: Most commonly reported infrastructure damage\*

The 34 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.

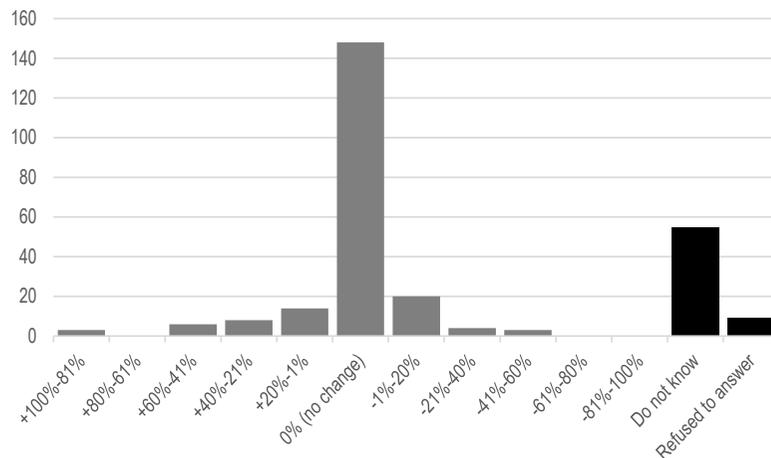


\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

# Impact of COVID-19 on respondents' businesses\*

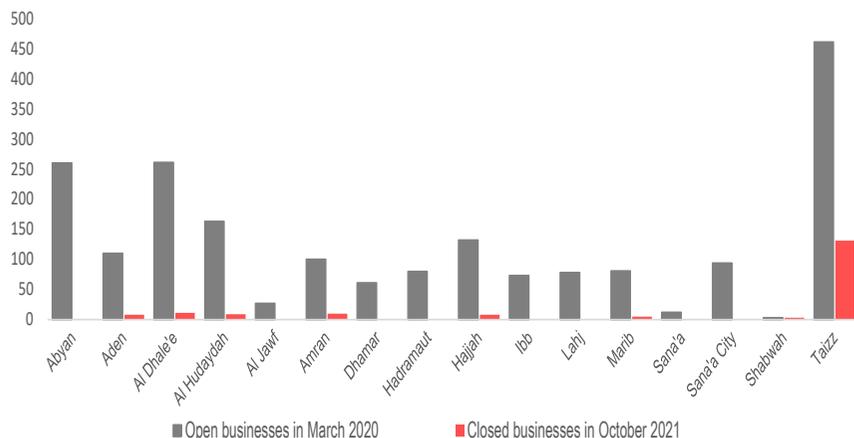
## Reported estimated change in number of customers in the two weeks prior to data collection

Of the 270 vendor KIs interviewed, about half of vendor KIs (54.8%) reported having perceived no change in the number of customers in the two weeks prior to data collection. 10.0% of vendors reported having experienced a decrease in the number of customers. 11.5% of vendors reported having experienced an increase in the number of customers. 23.4% reported not knowing or refused to answer the question.



## 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 (186 businesses) decreased by 34.9% compared to the last round of data collection in September (251 businesses).



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

7.6

## Average reported number of nearby businesses that were closed in October 2021^

0.7

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

1.7

## Top 3 COVID-19 related constraints\*

8.5% (23/270) of vendor KIs surveyed, reported having faced difficulties obtaining key commodities due to disruptions caused by COVID-19 measures in the two weeks prior to data collection. Their top 3 constraints and top 3 goods most difficult to obtain are given here.

Shortage of supplies	52.2%
Fees/Shortage of demand	43.5%
Transportation	39.1%

## Results from the previous JMMI round (5 - 9 September)

Shortage of supplies	70.6%
Fees	64.7%
Shortage of liquidity	47.1%

## Top 3 most difficult goods to obtain\*

Flour	52.2%
Cooking gas	43.5%
Petrol	39.1%

## Results from the previous JMMI round (5 - 9 September)

Diesel/Cooking gas	58.8%
Flour	47.1%
Vegetable oil	35.3%

\*Based on the responses from the 8.5% (23/270) 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](mailto: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 (dry beans)	SMEB Food (canned beans)	SMEB Total (canned/dry)*	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	NA	NA	NA	48125	NA	Al Jawf	3/3	Al Hodaydah	3/3	Al Hodaydah	3/3
Al Dhale'e	Ad Dhale'e	750	5000	27900	82530	84936	161030	Aden	5/5	Al Dhale'e	3/5	Aden	11/15
Lahj	Al Hawtah	795	2800	18548	NA	88635	157783	Aden	6/6	Aden	6/6	Aden	5/6
Taizz	Al Mukha	875	NA	NA	88050	87478	NA	Aden	3/3	Aden	3/3	Aden	6/6
Aden	Al Buraiqeh	750	5550	27708	NA	91250	169558	Aden	5/5	Aden	5/5	Aden	5/5
Al Hodaydah	Al Hawak	560	NA	NA	NA	48750	NA	NA	NA	NA	NA	NA	NA
Sana'a	Al Haymah Ad	560	2000	12625	NA	45125	101750	Sana'a	3/3	Sanaa	2/3	Sana'a	2/3
Al Jawf	Al Hazm	540	2000	21475	NA	48450	117225	Marib	3/3	Sanaa	3/3	Sana'a	3/3
Al Hodaydah	Al Khawkhah	NA	NA	NA	NA	86900	NA	NA	NA	NA	NA	Aden	3/3
Taizz	Al Ma'afer	900	2600	20065	NA	88425	152490	Lahj	5/3	NA	NA	NA	NA
Lahj	Al Madaribah Wa	850	5000	NA	NA	81544	NA	Aden	3/3	Aden	3/3	Aden	3/3
Hajjah	Al Mahabishah	570	4000	19775	46525	50925	110300	Al Hodaydah	4/6	Hajjah	9/9	Hajjah	9/9
Ibb	Al Makhadir	520	3000	17550	50950	52550	112500	NA	NA	Ibb	3/3	Ibb	3/3
Aden	Al Mansura	740	NA	NA	NA	78285	NA	Aden	3/3	Aden	3/3	Aden	3/3
Lahj	Al Maqatirah	875	2900	21125	NA	88400	160125	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Al Mawasit	900	10000	43362	95206	97406	189168	NA	NA	NA	NA	NA	NA
Lahj	Al Milah	850	3000	19715	84400	85000	154715	Aden	3/3	Lahj	2/3	Lahj	3/3
Taizz	Al Mudhaffar	900	4417	25987	96400	96700	169687	Aden	6/6	Aden	6/6	Aden	6/6
Hadramaut	Al Mukalla City	600	NA	NA	NA	78550	NA	Hadramaut	3/3	Hadramaut	3/3	Hadramaut	3/3
Taizz	Al Qahirah	900	4139	24811	94825	94225	166936	Aden	6/6	Aden	6/6	Aden	6/6
Al Hodaydah	Al Qanawis	800	NA	NA	NA	50095	NA	NA	NA	Al Hodaydah	9/9	Al Hodaydah	9/9
Taizz	Al Wazi'iyah	863	NA	NA	NA	92520	NA	Aden	6/6	Aden	6/6	Aden	4/6
Al Hodaydah	Alluheyah	600	1700	11515	43600	48200	99115	Al Hodaydah	9/9	Al Hodaydah	7/9	Al Hodaydah	7/9
Amran	Amran	555	2100	13240	NA	45950	103190	NA	NA	Amran	4/6	NA	NA
Sana'a City	As Sabain	560	2000	14090	47388	44988	105478	Sana'a City	3/5	Sana'a City	4/6	Sana'a City	4/6
Al Hodaydah	As Sukhnah	600	3000	16175	NA	48300	108475	Al Hodaydah	3/3	Al Hodaydah	3/3	Al Hodaydah	3/3
Aden	Ash Shaikh Othman	740	2000	15675	NA	92595	158870	Aden	6/6	Aden	6/6	Aden	6/6
Taizz	Ash Shamayatayn	850	8000	37788	NA	86475	174863	NA	NA	NA	NA	NA	NA
Al Dhale'e	Ash Shu'ayb	NA	NA	NA	NA	85733	NA	NA	NA	Aden	3/3	Aden	3/3
Hajjah	Aslem	540	NA	NA	NA	48125	NA	NA	NA	Al Hodaydah	3/3	Al Hodaydah	3/3
Taizz	At Ta'iziyah	540	3000	17550	47600	47400	109150	NA	NA	Taizz	3/3	Taizz	3/3
Shabwah	Ataq	850	2600	25390	NA	102700	178690	Hadramawt	3/3	Aden	3/3	Hadramawt	2/3
Al Hodaydah	Bajil	650	3000	16425	41700	48300	102125	Hadramawt	3/3	Al Hodaydah	3/3	Al Hodaydah	3/3
Al Hodaydah	Bayt Al Faqiah	600	3500	17700	NA	46500	111500	Al Hodaydah	3/3	Al Hodaydah	3/3	Al Hodaydah	3/3
Aden	Craiter	740	2000	17902	78062	87602	146564	Aden	6/6	Aden	6/6	Aden	6/6
Dhamar	Dhamar City	550	1500	12300	NA	45215	101515	NA	NA	Dhamar	2/3	Dhamar	3/3
Taizz	Dimnat Khadir	530	3000	17550	51350	51150	112900	NA	NA	Taizz	3/3	Taizz	3/3
Lahj	Habil Jabr	850	1800	NA	NA	80318	NA	Aden	3/3	Aden	3/3	Aden	3/3
Hajjah	Hajjah City	540	NA	NA	NA	48125	NA	Al Jawf	3/3	Sana'a City	3/3	Al Hodaydah	3/3
Taizz	Jabal Habashy	875	7000	35125	NA	86658	169083	NA	NA	Aden	3/5	Taiz	3/5

# CONT.

Governorate	District	Petrol price	Water Trucking	SMEB WASH	SMEB Food (dry beans)	SMEB Food (canned beans)	SMEB Total (dry/canned)*	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	750	2000	14515	NA	47525	106040	Sana'a City	3/3	Amran	3/3	Sana'a City	3/3
Abyan	Khanfir	563	2000	16754	NA	84700	152054	Aden	3/3	Abyan	3/5	Abyan	3/5
Hajjah	Khayran Al	735	3375	12875	29925	35725	86800	NA	NA	Hajjah	2/3	Hajjah	3/3
Aden	Khur Maksar	625	3000	20256	81100	91500	151956	Aden	6/6	Aden	6/6	Aden	6/6
Hajjah	Kuhlan Affar	550	6000	15925	NA	45925	105850	Hajjah	3/3	Amran	3/3	Amran	3/3
Hajjah	Kuhlan Ash Sharaf	560	4000	25600	NA	37975	107575	Sana'a	2/3	Hajjah	3/3	Hajjah	3/3
Sana'a City	Ma'ain	NA	NA	22200	NA	45225	111425	Sana'a City	3/3	Sana'a	3/3	Sana'a City	3/3
Marib	Marib City	850	NA	NA	NA	77365	NA	NA	NA	Marib	5/7	Marib	5/8
Taizz	Mawza	600	3500	NA	NA	85845	NA	Aden	3/3	Aden	3/3	Aden	3/3
Hajjah	Najrah	880	5000	17995	NA	41725	103720	Al Hudaydah	3/3	Al Hudaydah	3/3	Al Hudaydah	3/3
Al Dhale'e	Qa'atabah	560	2500	27425	85983	83727	160708	Aden	6/6	Aden	6/6	Aden	9/9
Hajjah	Qafil Shamer	850	1600	14349	34962	39262	93311	Al Hudaydah	3/3	Hajjah	5/6	Hajjah	5/6
Lahj	Radfan	900	3500	NA	NA	78306	NA	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Salh	760	5000	24300	94712	94512	166312	Aden	6/6	Aden	6/6	Aden	6/6
Hadramaut	Tarim	740	2500	34846	75400	78400	160846	Hadramaut	3/3	Hadramaut	3/3	Hadramaut	3/3
Lahj	Tuban	850	NA	17408	NA	81056	149064	Aden	6/6	Aden	6/6	Aden	6/6
Lahj	Yafa'a	550	NA	NA	NA	78869	NA	Aden	3/3	Aden	3/3	Aden	3/3
Al Hudaydah	Zabid	550	NA	NA	45050	49150	NA	Al Hudaydah	3/3	Al Hudaydah	3/3	Al Hudaydah	2/3

\*SMEB total uses dry beans when there is a price indication available in that district, otherwise uses canned beans. Includes lumpsum

^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 JMMI 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 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 iodized salt. **As per this Situation Overview, REACH calculates the national total SMEB using dried beans in districts where this item is available, and draws on canned beans prices if dry beans are unavailable. National SMEB values calculated exclusively with dried beans, or canned can be found on the [Interactive Dashboard](#).**

The cleaned data sets are available on the [REACH Resource Centre](#)

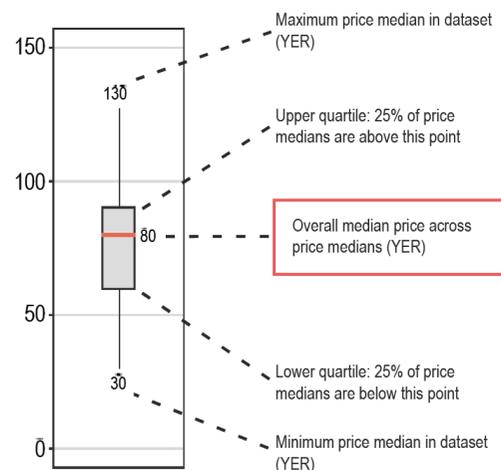
## Calculation of district and governorate median price

As per this [Situation Overview](#), governorate and national level data (including SMEBs) is aggregated from the district medians of the respective districts assessed in a given month. District medians are aggregated using data from the key informants within that district. Previously, all aggregations drew on the key informant level data. This change in calculation methodology will result in different findings than previous Situation Overviews. It is recommended to refer to the [Interactive Dashboard](#) for longitudinal trends and historic data, as past data is harmonized here with the methodological improvements. 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.

## Limitations

Due to issues of access, security and partner capacity, the districts included in the JMMI vary on a monthly basis. As such, findings are indicative for the locations assessed and not geographically representable for the whole of Yemen. In another consequence, there are sometimes a limited number of districts for which trends can be assessed over time. 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.

## 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](http://www.reach-initiative.org), contact us directly at [nissa.berntsen@reach-initiative.org](mailto: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	5
Al Dhale'e	3
Al Hudaydah	8
Al Jawf	1
Amran	2
Dhamar	1
Hadramaut	2
Hajjah	9
Ibb	1
Lahj	8
Marib	1
Sana'a	1
Sana'a City	2
Shabwah	1
Taizz	12