

Yemen Joint Market Monitoring Initiative

November 2021 Situation Overview

Governorates 14
Districts 57
Key informants 233



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 (CMWG) 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

Since October 2021, 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 7th - 12th of November

12 Participating partners
14 Governorates assessed
57 Districts assessed
233 Vendor KIs surveyed

Assessed items	October 2021 (YER)	November 2021 (YER)	Change (from October 2021)
Total SMEB* (dry beans/canned beans)	131895	113875	-13.7%
WASH SMEB**	18272	19341	+5.9%
Soap (100g)	228	250	+9.6%
Laundry powder (100g)	150	175	+16.7%
Sanitary napkins (10 Pack)	700	675	-3.6%
Water trucking (1m ³)	3000	3000	0.0%
Bottled water (0.75L)	175	188	+7.4%
Treated water (10L)	150	150	0.0%
Bleach (1L)	900	979	+8.7%
Petrol (1L)	740	700	-5.4%
Diesel (1L)	750	670	-10.7%
Cooking gas (1cylinder)	6000	7000	+16.7%
Food SMEB (dry beans)[^]	75400	97475	+29.2%
Food SMEB (canned beans)[^]	78353	74963	-4.3%
Wheat flour (1 kg)	551	450	-18.3%
Rice (1 kg)	1000	1100	+10.0%
Dry kidney beans (1 kg)	1350	1600	+18.5%
Canned kidney beans (15 oz can)	567	425	-25.0%
Lentils (1 kg)	950	1000	+5.3%
Vegetable oil (1L)	1640	1533	-6.5%
Sugar (1 kg)	785	550	-29.9%
Salt (1 kg)	150	160	+6.7%
Potatoes (1 kg)	525	500	-4.8%
Onions (1 kg)	600	500	-16.7%

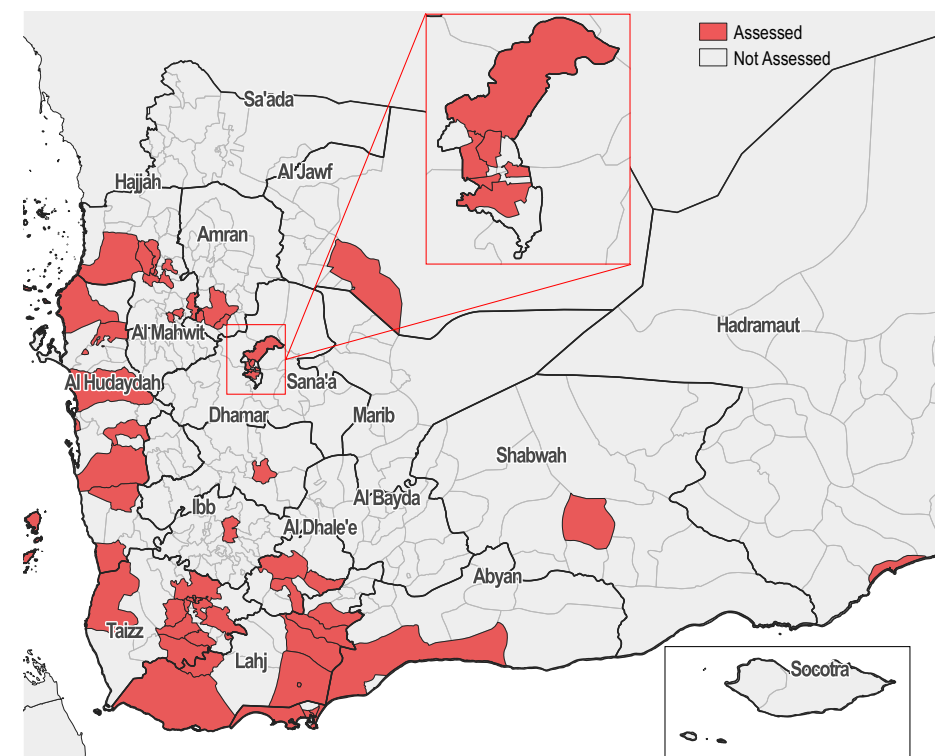
* Includes WASH SMEB, food SMEB and lumpsum of NFI/Shelter and Services. Per district, the cheapest bean type (dry or canned) is used to calculate the food component of the total SMEB.

** Contains soap (1.05 kg), laundry powder (2 kg), sanitary napkins (50 units), and water (3.15 m³).

[^] 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 was reported at a median of 1447 YER per USD, an increased with 21.6% from the previous round in October. Between September and November an increase of 14.4% was measured, leading to an total increase of 36% over three months.
- A large price difference was observed between the food SMEB calculated with canned beans (74963 YER) and the food SMEB calculated with dry beans (97475 YER). The reason was that the dry bean prices increased with 18.5% while canned bean prices decreased with 25.0%.
- As a result, the total SMEB (113875 YER) and the food SMEB with canned beans (74963 YER), decreased in price in comparison to October, with 13.7% and 4.3% respectively.
- Nonetheless, great disparities were found between governorates and districts. The highest total SMEB price was measured at 89% higher than the national median price. This was in Al Mawasit district (Taiz) at 214061 YER, while the lowest total SMEB price was found in Qafil Shamer district (Hajjah) at 93959 YER.
- The national petrol and diesel prices decreased, after a significant rise between September and October. However, in southern districts, petrol prices were reported at over 1000 YER.
- The top three constraints reported by food, WASH and fuel vendors were: price inflation, transportation issues and liquidity shortage (in order of frequency). Water trucking vendors reported facing constraints due to insecurity more than liquidity shortage.



Exchange Rate

500
► 0.0%
USD/YER
Official

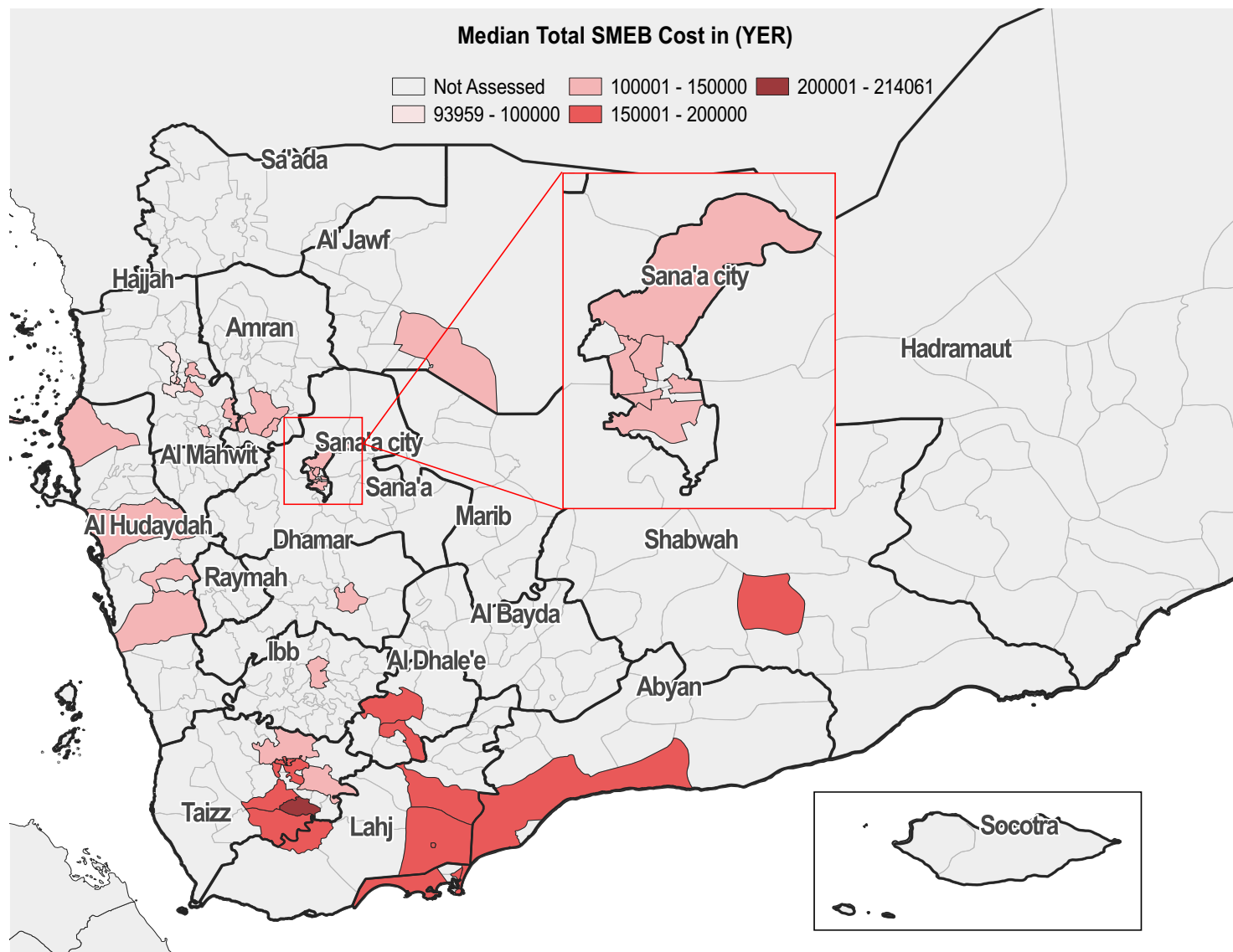
600
► 0.0%
USD/YER
Parallel market (in DFA)
rate November 2021

600
USD/YER
Parallel Market
rate (in DFA)
October 2021

1447
▲ 21.6%
USD/YER
Parallel market (in IRG)
rate November 2021

1190
USD/YER
Parallel Market rate
(in IRG)
October 2021

Total SMEB prices (7 - 12 November 2021)*,^



*Per district, the cheapest type of bean (dry or canned) is used to calculate the total SMEB.

Exchange rate (YER/USD)*

Governorate	March 2020 [^]	October 2021	November 2021
Abyan	NA	1200	1465
Aden	658	1190	1446
Al Dhale'e	NA	600(1200)	600(1440)
Al Hudaydah	595	600(1200)	600(1500)
Al Jawf	650	600	600
Amran	595	600	600
Dhamar	595	600	600
Hadramaut	NA	1243	1500
Hajjah	594	600	600
Ibb	592	598	599
Lahj	654	1147	1440
Marib	628	NA	NA
Sana'a	595	600	NA
Sana'a City	598 (628)	600	600
Shabwah	NA	1216	1450
Taizz	654	1196	1450

*New banknote exchange rates / Exchange rate for the new currency in parenthesis.
NA (not applicable) data was not available.

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

Exchange rate in March 2020 and November 2021



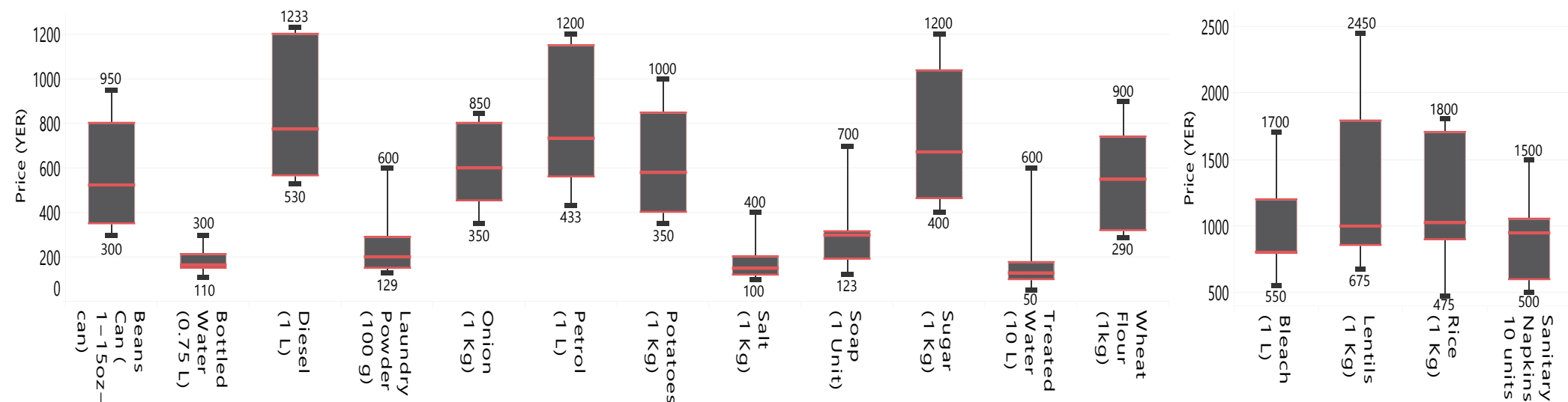
*Governorate labels point to two bars indicating March 2020 base values and November 2021 values.
Gaps between bars indicates that no exchange rate value was recorded in this governorate.

Price per key item, per governorate (YER)*

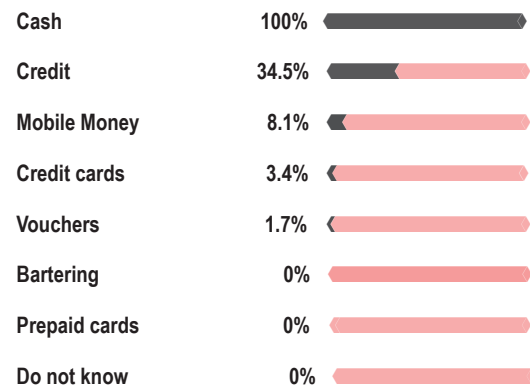
Governorate	Petrol (1L)	Diesel (1L)	Cooking gas (1)	Bottled water (0.75L)	Treated water (10L)	Soap (100g)	Laundry powder (100g)	Sanitary napkins (10 units)	Bleach (1L)	Water trucking (1m³)	WASH SMEB	Wheat flour (1kg)	Rice (1kg)	Beans dry (1kg)	Beans cans (15oz)	Lentils (1kg)	Vegetable oil (1L)	Sugar (1kg)	Salt (1kg)	Potatoes (1kg)	Onions (1 kg)	Food SMEB (Dry Beans)	Food SMEB (Canned beans)
Abyan	1125	1200	5000	150	100	395	200	950	1000	2500	16754	750	1300	1100	800	NA	2200	1200	250	800	800	88100	105900
Aden	890	1170	5500	250	125	315	212	1000	1200	4250	19079	800	1700	1700	800	2300	2750	1100	175	800	800	101925	113725
Al Dhale'e	1150	1233	10250	300	200	310	290	1050	1700	6000	27663	720	1725	3250	785	2450	2700	1040	100	900	850	110280	106507
Al Hudaydah	583	600	10250	165	50	150	150	550	550	3400	16300	350	900	800	350	1000	1100	450	150	400	500	43575	48598
Al Jawf	560	560	5000	250	NA	300	300	1500	800	2100	21475	320	475	NA	350	900	1700	550	150	400	500	NA	51725
Amran	560	568	5000	148	238	195	129	663	725	2375	13878	300	675	NA	350	1000	1313	463	103	463	500	NA	46859
Dhamar	560	560	7500	150	600	180	150	650	800	2000	12300	290	1000	NA	350	900	1500	500	120	350	450	NA	47720
Hadramaut	1200	950	4000	NA	NA	NA	NA	NA	NA	NA	34846	700	1800	750	700	1500	3000	800	400	1000	800	86400	104100
Hajjah	560	580	8000	150	105	189	130	500	1000	3000	16960	300	900	500	350	800	1125	450	150	400	400	39025	48125
Ibb	560	570	10250	150	100	200	150	600	800	3000	17550	400	700	1300	300	800	750	500	150	350	350	50400	48200
Lahj	1150	1200	13165	200	150	350	273	1000	1250	2800	19132	720	1700	3000	800	1700	2400	1000	175	1000	800	110300	104655
Marib	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sana'a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sana'a City	433	530	5000	110	135	123	150	550	600	1417	11499	350	1050	NA	350	675	1200	400	100	400	375	NA	49425
Shabwah	1125	1150	5500	200	100	700	600	1200	800	3000	34800	900	900	1000	950	NA	2200	1000	350	700	700	97950	122150
Taizz	1200	1200	7000	213	150	300	287	1050	1200	5500	33000	740	1150	2950	825	1875	2350	1100	200	850	800	106105	108925
National median price	700	670	7000	188	150	250	175	675	979	3000	19341	450	1100	1600	425	1000	1533	550	160	500	500	97475	74963

*No vendor key informants were interviewed this month in Marib and Sana'a governorate.

Price distribution of key items across Yemen (YER)

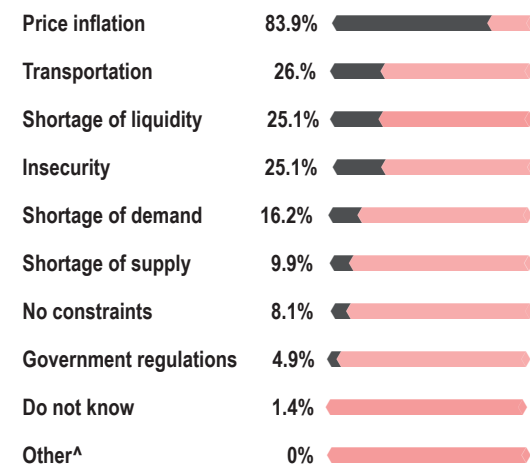


WASH vendor KIs reported accepting the following payment

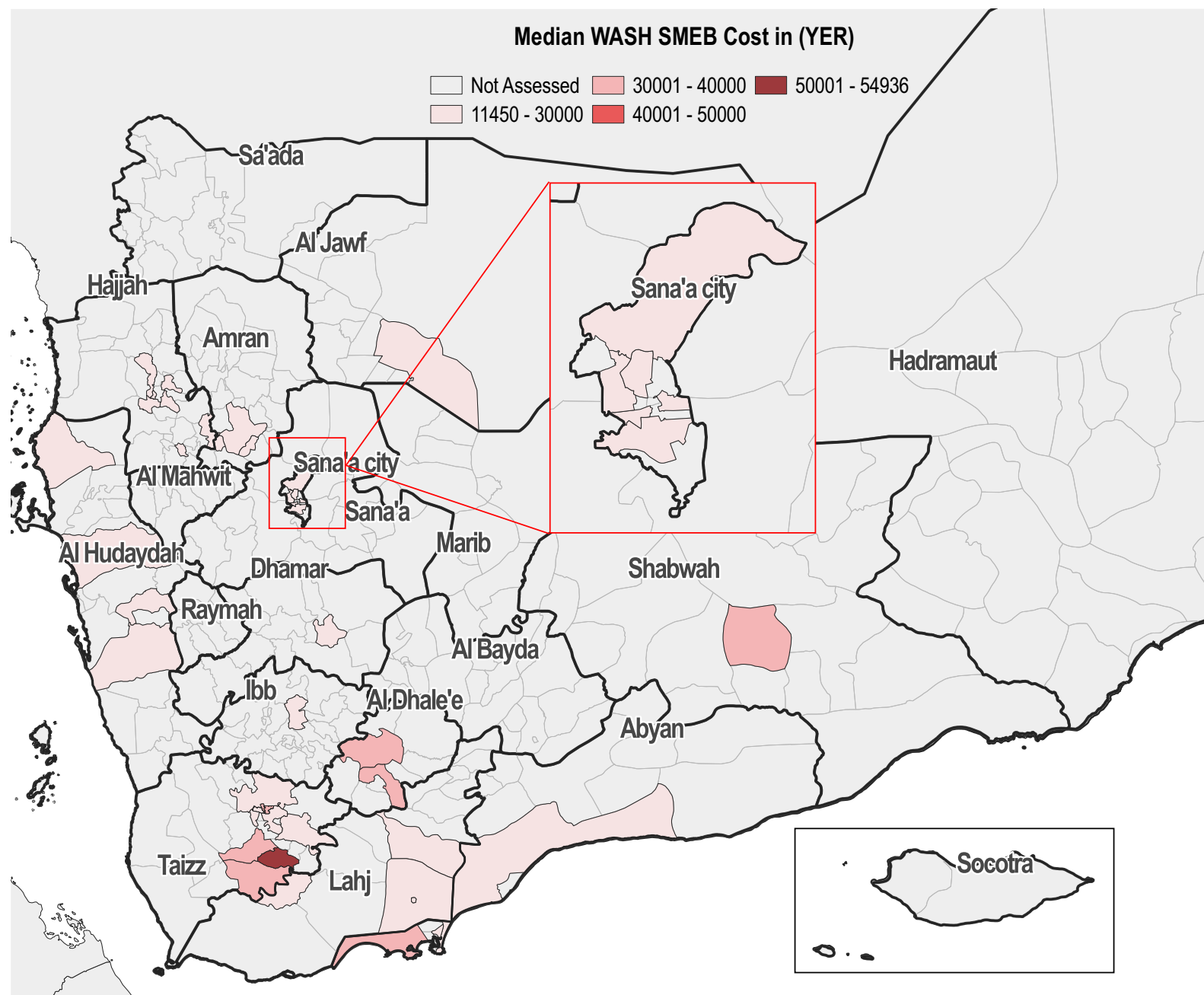


*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Most commonly reported constraints, by % of WASH vendor

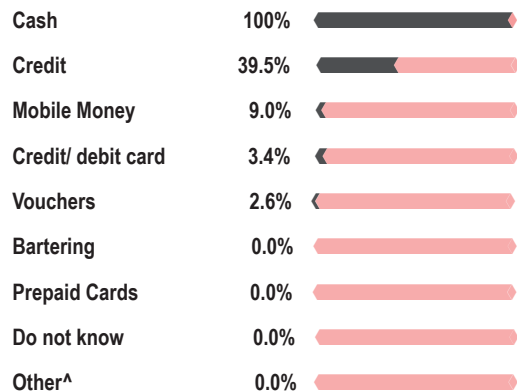


*Values do not add up to 100% as vendor KIs were allowed to select multiple options.



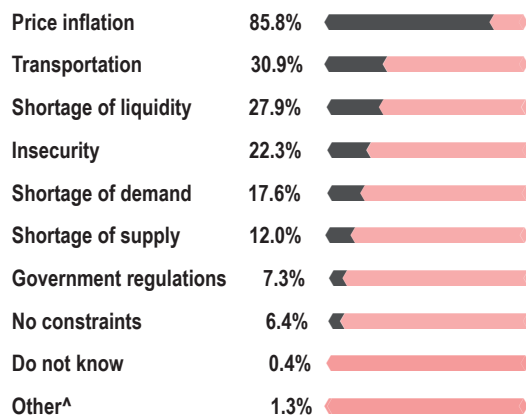
Food SMEB*

Food vendor KIs reported accepting the following payment modalities*



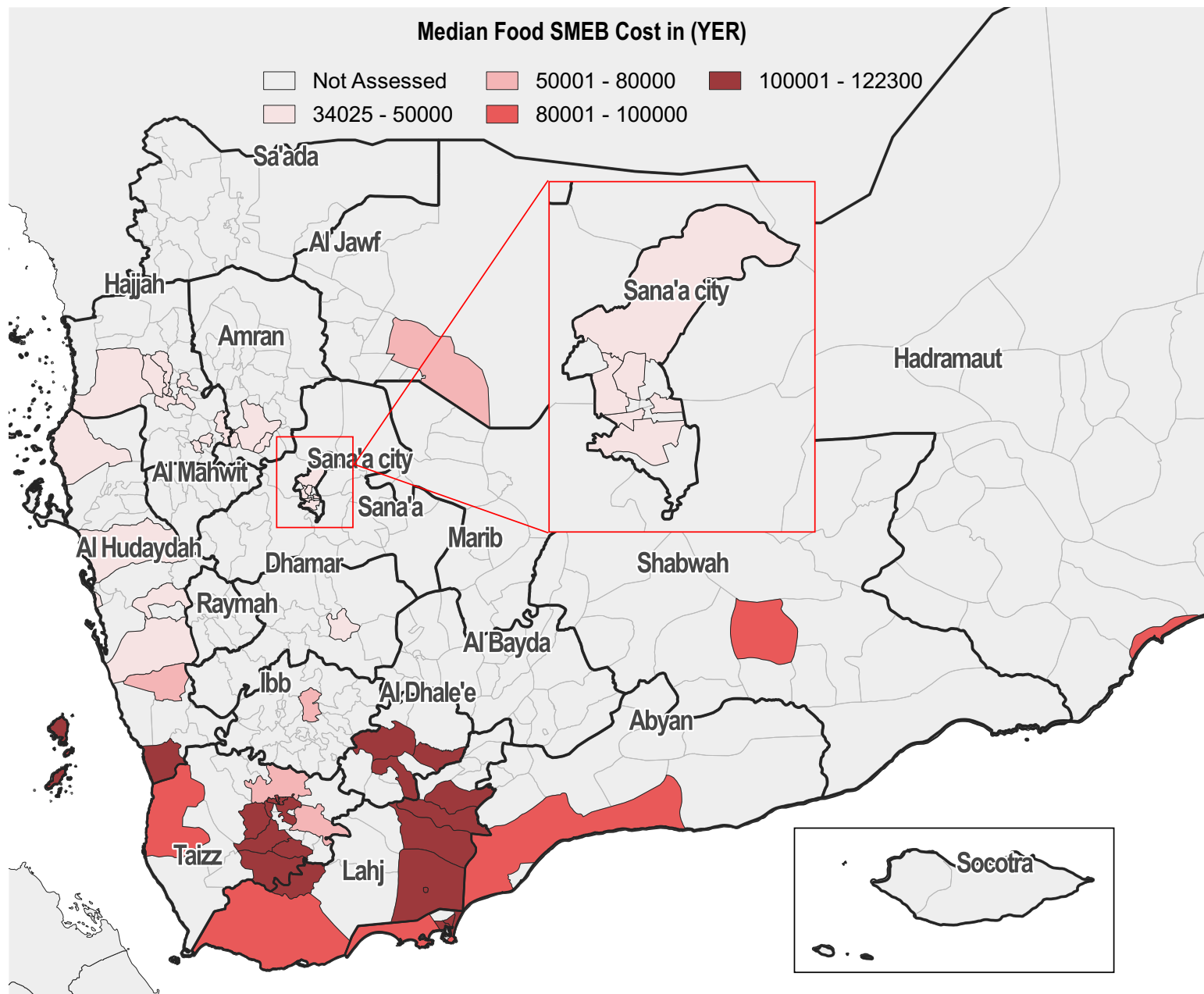
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Most commonly reported constraints, by % of food vendor



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

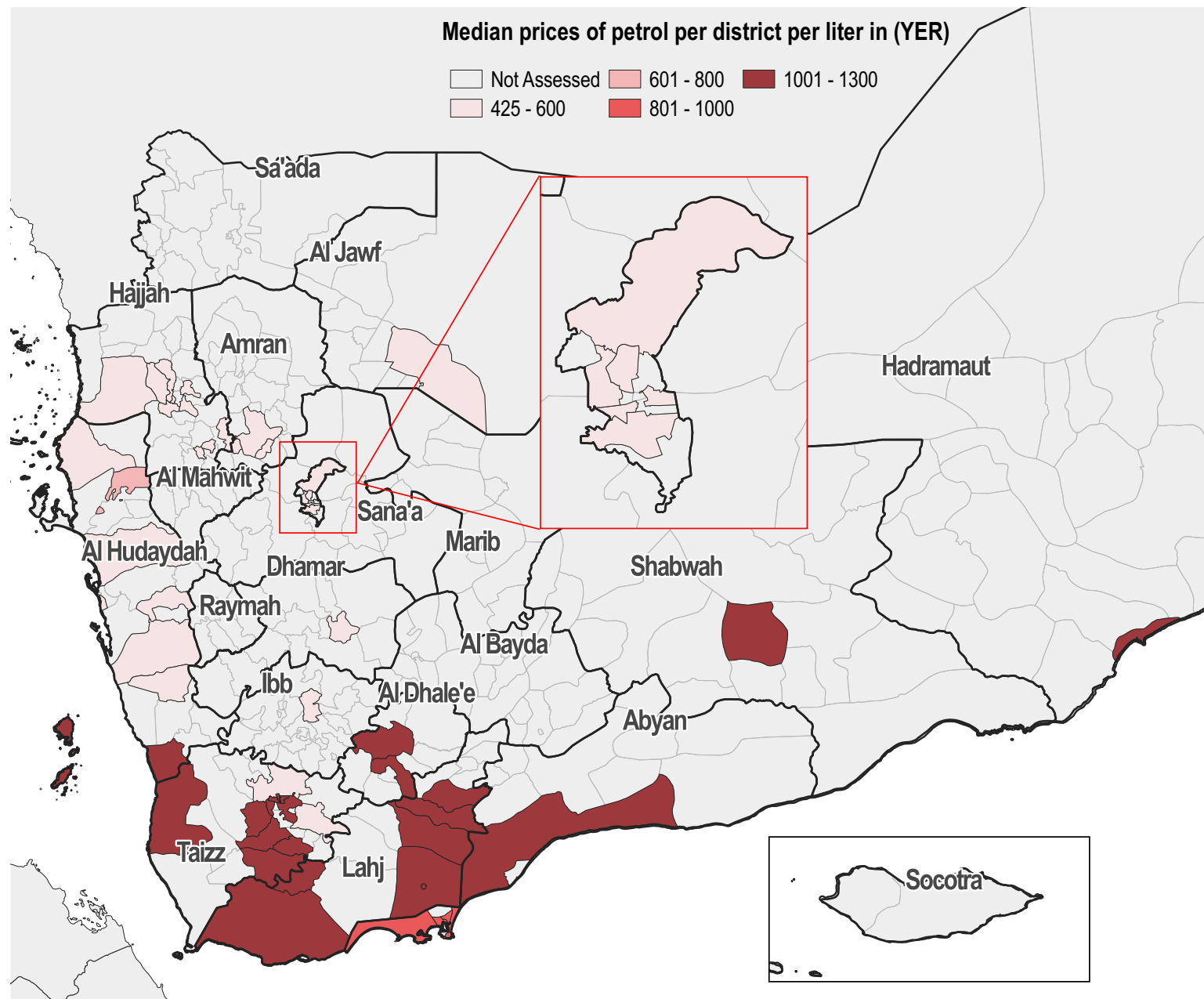
^Includes lack of oil derivatives.



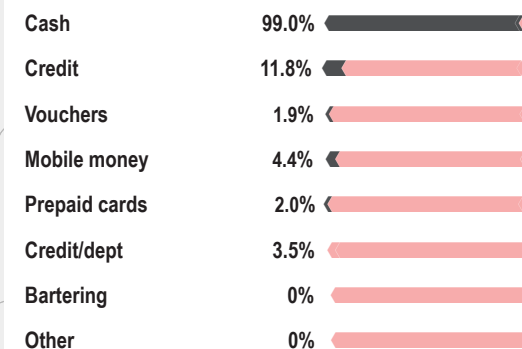
*Per district, the cheapest type of bean (dry or canned) is used to calculate the food SMEB. Refer to the table on page 10-11 for the Food SMEB prices per district, both

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

Not Assessed 601 - 800 1001 - 1300
425 - 600 801 - 1000

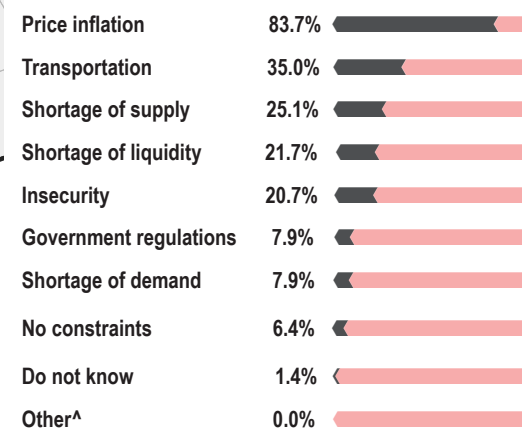


Fuel vendor KIs reported accepting the following payment modalities*



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

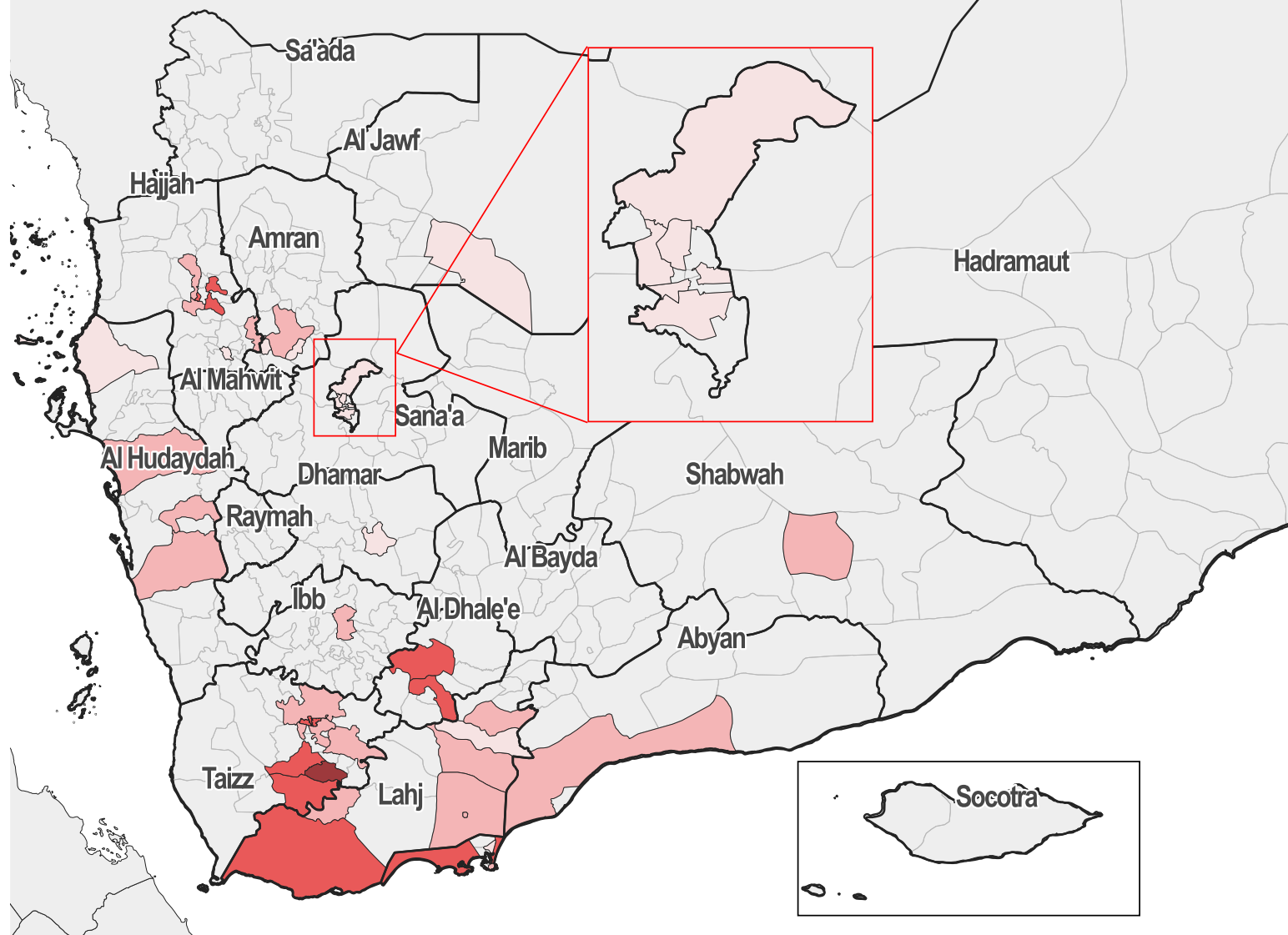
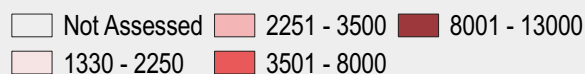
Most commonly reported constraints, by % of fuel vendor KIs*



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

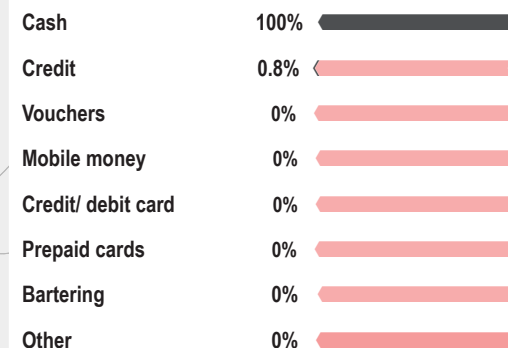
Water Trucking

Cost of Cubic Meter (YER)



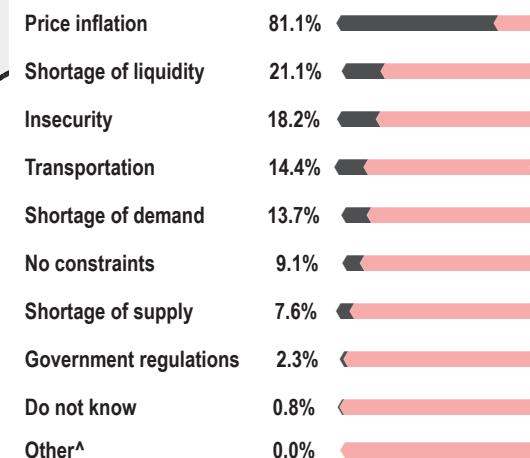
*Red outlines over districts indicate the districts for which outliers were recorded.

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.

SUPPLY CHAIN OVERVIEW FOR YEMEN

Median price of goods originating from Aden and Al Hudaydah

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

Item	Al Hudaydah (price in YER)	Aden (price in YER)
Petrol (1L)	575	1160
Diesel (1L)	600	1200
Cooking Gas (1 cylinder)	5500	7000
Bottled water (0.75L)	150	200
Treated water (10L)	50	150
Bleach (1L)	500	1100
Soap (100g)	150	300
Laundry Powder (100g)	130	300
Sanitary Napkins (10 units)	550	1000
Water trucking (1m ³)	3500	5000
Wheat Flour (1kg)	350	800
Rice (1kg)	1000	1588
Beans Dry (1kg)	800	3000
Beans Can (15oz can)	350	800
Lentils (1kg)	1000	2000
Vegetable Oil (1L)	1000	2500
Sugar (1kg)	450	1100
Salt (1kg)	175	150
Potatoes (1kg)	450	800
Onions (1kg)	500	800

Average reported restocking time (days)*^

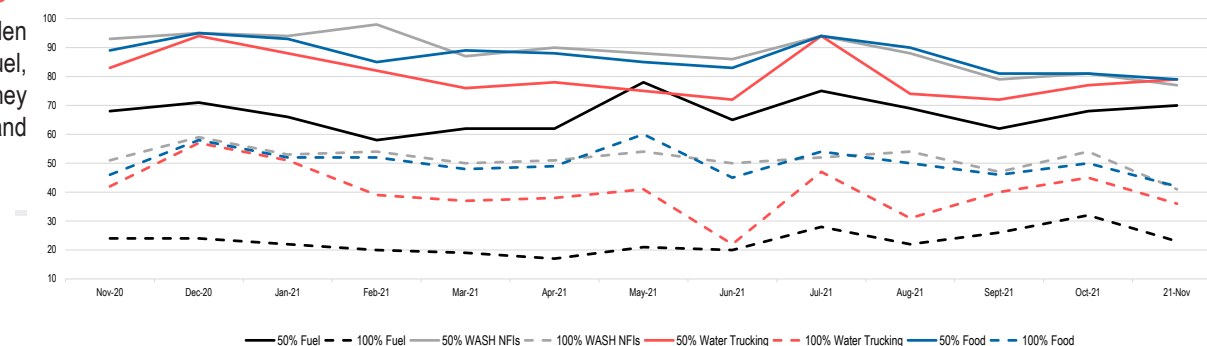
Governorate	Fuel Items	WASH Items	Food Items
Abyan	6 (6)	6 (5)	5 (4)
Aden	5 (5)	3 (3)	2 (3)
Al Dhale'e	6 (6)	3 (3)	3 (4)
Al Hudaydah	8 (9)	8 (8)	6 (7)
Al Jawf	4 (4)	7 (5)	5 (4)
Amran	1 (2)	3 (2)	2 (2)
Dhamar	NA(3)	4 (2)	3 (2)
Hadramaut	7 (5)	NA (11)	10 (6)
Hajjah	8 (8)	4 (5)	4 (5)
Ibb	7 (NA)	3 (3)	2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

*Previous average restocking time (November 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*

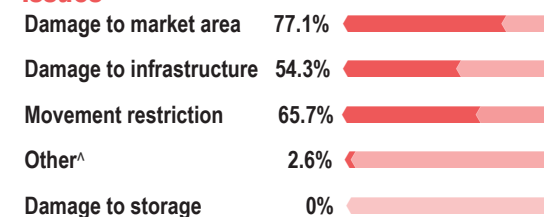
To understand vendor capacity to cope with sudden increases in the demand for water trucking, fuel, and WASH items, vendor KIs were asked if they would be able to increase their stock by 50% and 100% respectively.



Effect of supply route changes on businesses

Overall, 15% of vendor KIs 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*

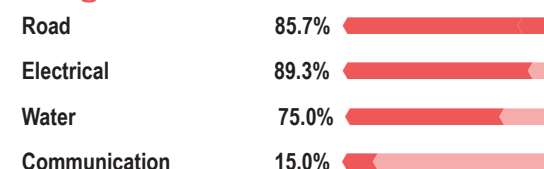


*Reported by 35 key informants. Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Damaged infrastructure affecting vendor capacity to conduct business

The 28 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.

Most commonly reported infrastructure damage*

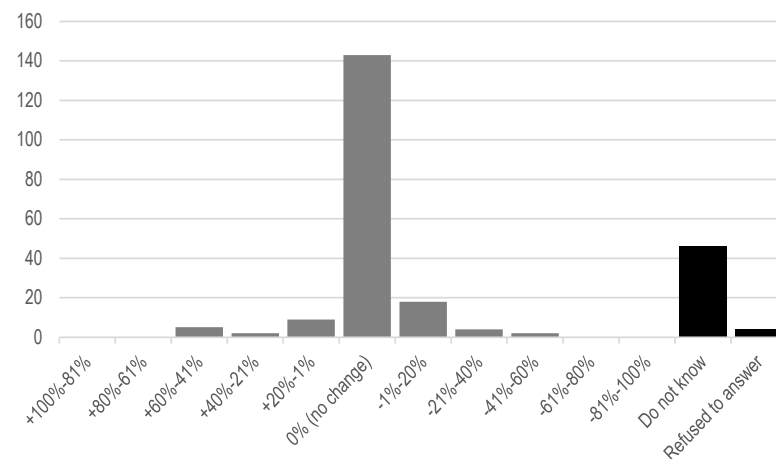


*Reported by 28 key informants. Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Impact of COVID-19 on respondents' businesses*

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

Of the 233 vendor KIs interviewed, **61.4%** 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. **10.3%** of vendors reported having experienced an increase in the number of customers. **21.5%** 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 (**117** businesses) decreased by **37.1 %** compared to the last round of data collection in October (**186** businesses).



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

8.5

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

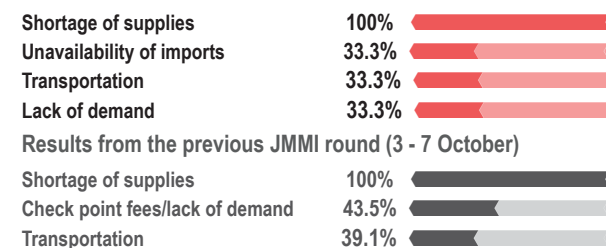
0.5

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

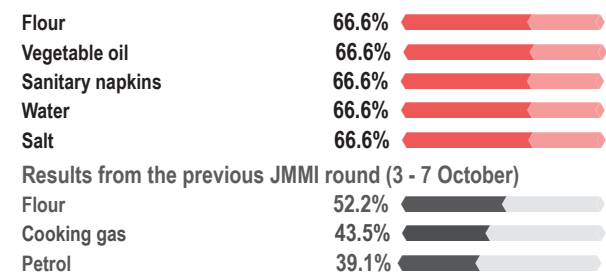
0.7

Most common COVID-19 related constraints*

Of the 233 vendor KIs surveyed 6 vendors (**2.3%**), 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.



Most difficult goods to obtain*



*Based on the responses from the 2.3% (6/233) of vendor KIs who had difficulties obtaining goods due to COVID-19.

ABOUT REACH'S COVID-19 RESPONSE

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

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

DISTRICTS COVERED*

Governorate	District	Petrol price	Water Trucking	SMEB WASH	SMEB Food (dry beans)	SMEB Food (canned beans)	SMEB Total (canned/dry)*	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	560	NA	NA	NA	49725	NA	Al Hidaydah	3/3	Al Hidaydah	3/3	NA	NA
Al Dhale'e	Ad Dhale'e	1100	6000	34700	108950	NA	194250	Aden	3/3	Al Dhale'e	4/5	Al Dhale'e	4/5
Lahj	Al Hawtah	1225	3000	22905	NA	107525	181030	Aden	4/4	Aden	4/4	Aden	4/4
Taizz	Al Mukha	1230	NA	NA	97475	108675	NA	Aden	6/6	Aden	6/6	Aden	6/6
Aden	Al Buraieqeh	900	8000	37825	83650	93150	172075	Aden	5/5	Aden	5/5	Aden	5/5
Al Hidaydah	Al Hawak	540	NA	NA	41575	48595	NA	NA	NA	NA	NA	Aden	3/3
Sana'a	Al Haymah Ad	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Al Jawf	Al Hazm	560	2100	23265	NA	51725	122290	Makhwit	2/3	Sanaa	3/3	Sana'a	3/3
Al Hidaydah	Al Khawkhah	1180	NA	NA	110950	112306	NA	NA	NA	Aden	3/3	Aden	3/3
Taizz	Al Ma'afer	1250	6000	34174	111635	110035	189809	Aden	5/3	Taiz	6/10	NA	NA
Lahj	Al Madaribah Wa	1150	6000	NA	NA	96167	NA	Aden	3/3	Aden	3/3	Aden	3/3
Hajjah	Al Mahabishah	570	4500	21875	45114	48714	110989	Al Hidaydah	5/5	Hajjah	8/9	Hajjah	9/9
Ibb	Al Makhadir	560	3000	17550	50400	48200	111950	Sana'a	2/3	Ibb	3/3	Ibb	3/3
Aden	Al Mansura	890	NA	NA	122300	119900	NA	Aden	3/3	Aden	3/3	Aden	3/3
Lahj	Al Maqatirah	1225	2800	21815	NA	104655	177070	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Al Mawasit	1200	13000	54936	108525	108925	214061	Aden	2/3	NA	NA	Taiz	3/4
Lahj	Al Milah	1150	3500	24110	110300	109100	185010	Aden	3/3	Lahj	3/3	Lahj	3/3
Taizz	Al Mudhaffar	1200	4750	27838	100075	110975	175213	Aden	4/4	Aden	6/4	NA	NA
Hadramaut	Al Mukalla City	1200	NA	NA	86400	104100	NA	Hadramawt	3/3	NA	NA	Hadramaut	3/3
Taizz	Al Qahirah	1300	5500	33000	103730	105330	184030	Aden	4/4	Aden	3/4	Aden	3/1
Al Hidaydah	Al Qanawis	800	NA	NA	NA	NA	NA	NA	NA	Al Hidaydah	9/9	Al Hidaydah	9/9
Sana'a City	Al Wahdah	440	1500	11538	NA	49775	105313	Al Hidaydah	3/3	Sana'a City	3/3	Sana'a City	3/3
Taizz	Al Wazi'iyah	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Al Hidaydah	Alluheyah	585	2000	13165	NA	48600	105765	Al Hidaydah	6/6	NA	NA	Al Hidaydah	6/6
Amran	Amran	560	2250	14858	NA	47392	106250	NA	NA	NA	NA	Amran	5/6
Sana'a City	As Sabain	560	2000	13490	NA	47400	104890	NA	NA	Sana'a	3/3	Sana'a City	3/3
Al Hidaydah	As Sukhnah	600	3500	17950	43575	NA	105525	Al Hidaydah	3/3	Al Hidaydah	3/3	Al Hidaydah	3/3
Aden	Ash Shaikh Othman	890	2000	18131	116975	115775	185706	Aden	6/6	Aden	6/6	Aden	6/6
Taizz	Ash Shamayatayn	1200	6000	35881	108480	107280	194961	NA	NA	Aden	4/6	Aden	4/6
Al Dhale'e	Ash Shu'ayb	NA	NA	NA	NA	108683	NA	NA	NA	Aden	3/3	Aden	3/3
Hajjah	Aslem	560	NA	NA	NA	49725	NA	NA	NA	Al Hidaydah	2/3	Al Hidaydah	2/3
Taizz	At Ta'iziyah	560	3000	17550	50100	47400	111650	NA	NA	Taizz	3/3	Taizz	3/3
Sana'a City	Ath'thorah	425	1330	11450	NA	49425	183350	Sana'a	3/3	Sana'a	3/3	Sana'a	3/3
Sana'a City	Az'zal	425	1333	11459	NA	49425	104884	Sana'a	3/3	Sana'a	3/3	Sana'a	3/3
Shabwah	Ataq	1125	3000	34800	97950	122150	183350	Hadramawt	2/1	Aden	3/3	Hadramawt	3/3
Al Hidaydah	Bajil	580	3300	17720	43525	48125	105245	Al Hidaydah	3/3	Al Hidaydah	3/3	Al Hidaydah	3/3
Sana'a City	Bani Al Harith	425	1330	11450	NA	49425	104875	Sana'a	3/3	Sana'a	3/3	Sana'a	3/3
Al Hidaydah	Bayt Al Faqiah	575	3500	17950	43575	46375	108825	Al Hidaydah	3/3	Al Hidaydah	3/3	Al Hidaydah	3/3
Aden	Craiter	890	3500	23567	92812	105432	166979	Aden	6/6	Aden	6/6	Aden	6/6
Dhamar	Dhamar City	560	2000	14440	NA	47720	106160	NA	NA	Dhamar	3/3	Dhamar	3/3
Taizz	Dimnat Khadir	560	3000	17550	54250	51550	115800	Sana'a	2/3	Taizz	3/3	Taizz	3/3
Lahj	Habil Jabr	1150	2400	NA	NA	103467	NA	Aden	3/3	Aden	3/3	Aden	3/3
Hajjah	Hajjah City	560	NA	NA	39025	48125	NA	Al Jawf	2/3	Sana'a	2/3	Sana'a	2/3

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^
Taizz	Jabal Habashy	1175	NA	NA	NA	114000	NA	Lahj	2/3	NA	NA	Taiz	3/3
Amran	Jabal Iyal Yazid	560	2500	15975	NA	46325	106300	Sana'a City	3/3	Taiz	2/3	Amran	3/3
Abyan	Khanfir	1125	2500	20772	88100	105900	159472	Aden	2/3	Abyan	3/2	Abyan	3/2
Hajjah	Khayran Al	575	2500	14850	NA	38325	97175	NA	NA	Hajjah	2/3	Hajjah	3/3
Aden	Khur Maksar	890	5000	28136	101925	113725	180661	Aden	6/6	Aden	6/6	Aden	6/6
Hajjah	Kuhlan Affar	560	3000	15925	NA	44563	104488	Amran	2/3	Amran	3/3	Hajjah	3/3
Hajjah	Kuhlan Ash Sharaf	575	6000	25875	NA	39875	109750	Sana'a	2/3	Hajjah	3/3	Hajjah	3/3
Sana'a City	Ma'ain	440	1500	11538	NA	48975	104513	Al Hudaydah	4/4	Sana'a	4/4	Sana'a City	4/4
Marib	Marib City	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Taizz	Mawza	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hajjah	Najrah	575	2000	13375	NA	48411	105786	Al Hudaydah	3/3	Al Hudaydah	3/3	Al Hudaydah	3/3
Al Dhale'e	Qa'atabah	1200	6000	32955	111610	104330	191865	Aden	6/6	Aden	6/6	Aden	9/9
Hajjah	Qafil Shamer	550	3000	15934	34025	39825	93959	Hajjah	3/5	Hajjah	6/6	Hajjah	6/6
Lahj	Radfan	1150	2000	NA	NA	104617	NA	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Sabir al Mawadim	1250	2700	21655	110850	109650	179805	Aden	3/3	Aden	3/3	Aden	3/3
Taizz	Salh	1300	6000	33025	115000	113700	195325	Aden	3/3	Aden	4/4	Aden	3/1
Hadramaut	Tarim	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lahj	Tuban	1150	2500	20550	NA	109200	180350	Aden	3/3	Aden	3/3	Aden	3/3
Lahj	Yafa'a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Al Hudaydah	Zabid	500	NA	NA	54175	56775	NA	Al Hudaydah	3/3	Al Hudaydah	3/3	Al Hudaydah	2/3

*The cheapest type of bean (dry or canned) is used to calculate the total SMEB. 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 October 2021, the cheapest type of bean (dry or canned) is used per district to calculate total/food SMEB. SMEB values calculated exclusively with dried beans, or canned beans, can be found on the [Interactive Dashboard](#) and on page 10-11 of this Situation Overview.

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

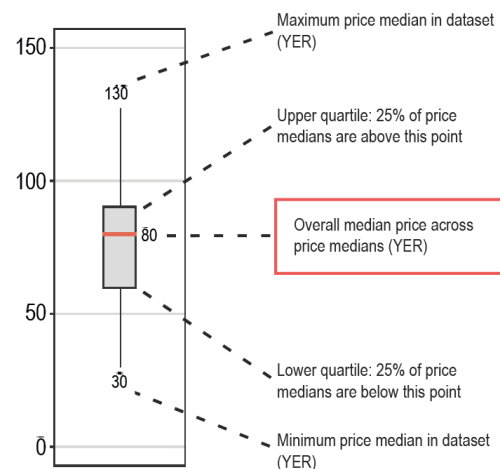
Calculation of district and governorate median price

Per October 2021, 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. Consequentially, 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.

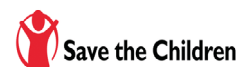
How to read a box plot



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, contact us directly at nissa.berntsen@reach-initiative.org or follow us on Twitter at [@REACH_info](https://twitter.com/REACH_info).

Participating partners include



Number of districts assessed per governorate

Governorate	Assessed districts
Abyan	1
Aden	5
Al Dhale'e	3
Al Hudaydah	8
Al Jawf	1
Amran	2
Dhamar	1
Hadramaut	1
Hajjah	9
Ibb	1
Lahj	7
Marib	0
Sana'a	0
Sana'a City	6
Shabwah	1
Taizz	11

