



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 comprises eight non-food items (NFIs), including fuel, water and hygiene products, reflecting the programmatic areas of the WASH Cluster. The JMMI tracks all components of the WASH Survival Minimum Expenditure Basket (SMEB) since September 2018.

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. The data collected has also been analysed in comparison with price quotations recorded during the Multi-Agency Joint Cash Study conducted in September 2017, and the Weekly Price Monitoring Initiative (WPMI) that was conducted during the economic blockade of Yemen in November 2017. More details are available in the Methodology section of the appendix. Findings are indicative for the assessed locations and time frame in which the data was collected.

JMMI MONTHLY FIGURES

Data collection **21 Sept - 5 Oct***

11 Participating partners

35 Districts assessed

192 Vendor KIs surveyed

*Insecurity led to an extended data collection period

KEY FINDINGS

In September 2019, the trend of depreciation of the Yemeni Riyal (YER) against the US Dollar (USD) continued, with the YER losing 2.3% on the parallel market.

250
USD/YER
Official
► **0.0%**

600
USD/YER
Parallel market*
▲ **2.6%**

585
USD/YER
Previous Parallel Market
Rate August 2019

KEY PRICE FIGURES

Between August 2019 and September 2019, prices for most goods decreased, except for treated water (which stayed constant), and water trucking and soap (which increased). The price of water trucking saw the largest increase, which also had an impact on the SMEB.

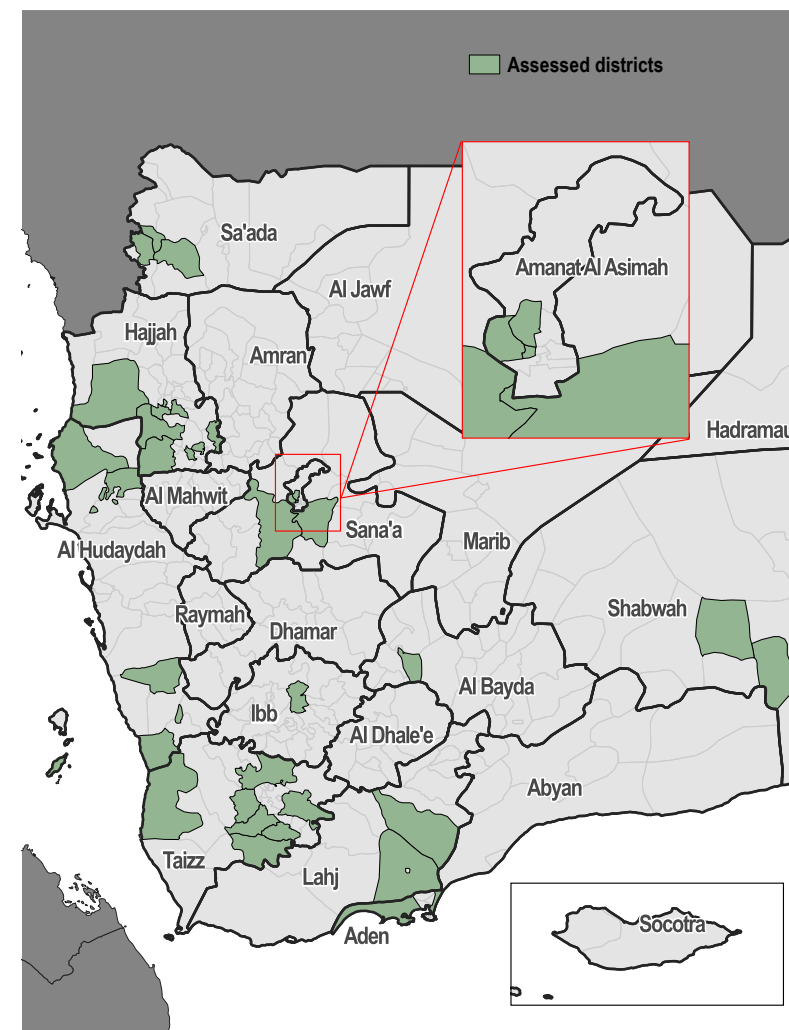
Petrol Price (1L)	368 YER	▼	-0.7%
Diesel Price (1L)	400 YER	▼	-2.2%
Bottled Water Price (0.75L)	125 YER	▼	-9.4%
Treated Water Price (10L)	120 YER	►	0.0%
Water Trucking Price (1m³)	1,875 YER	▲	+29.3%
Soap (100g)	150 YER	▲	+7.1%
Sanitary Napkins (10 Pack)	500 YER	▼	-9.1%
Laundry Powder (100 g)	109 YER	▼	-16.2%

WASH SMEB

The median cost for the WASH SMEB was calculated to be 10,661 YER, marking an increase of 9.9% from the cost observed in August 2019.

Sept 10,661 YER / Aug 9,738 YER ▲ 968 YER +9.9%

*163 of the 192 market KIs answered the exchange rate question within the parallel market.



WASH SMEB

Soap	1.05 kg
Laundry powder	2 kg
Sanitary napkins	20 units
Water trucking	3.15 m³

OTHER ASSESSED ITEMS

Petrol	1 liter
Diesel	1 liter
Treated water	10 liter
Bottled water	0.75 liter

WASH SMEB COST OVERVIEW

The **WASH SMEB** represents the minimum culturally adjusted group of WASH items required to support a Yemeni family of eight for a month.

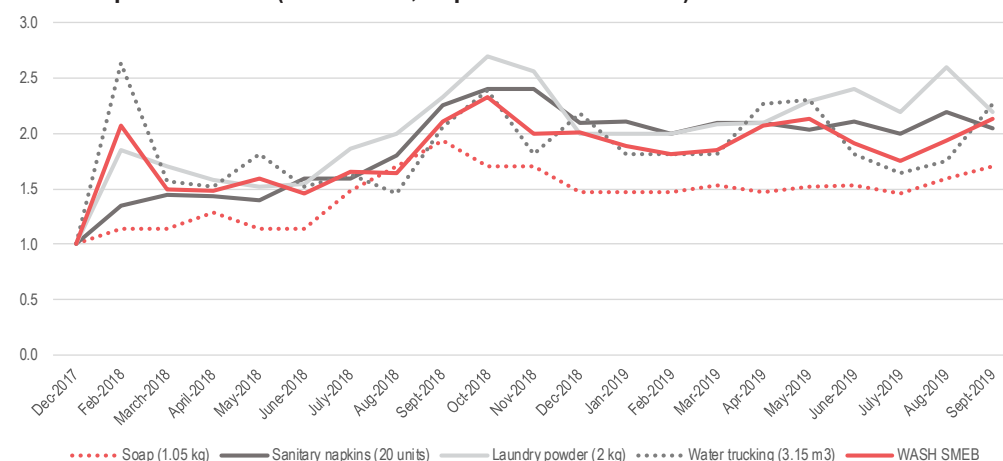
The cost of the WASH SMEB can be used as a proxy for the financial burdens, relative to WASH items, a household is facing in different locations. The WASH SMEB components were defined by the CMWG in consultation with relevant sector leads.

MEDIAN COST OF WASH SMEB IN SEPTEMBER

10,661 YER

WASH SMEB PRICE INDEX

Since September 2017 (normalized, September 2017 = 1.00)



Change since
March 2019

▲ 1,378 YER
+14.8%

Change since
August 2019

▲ 968 YER
+9.9%

RATE OF VENDORS ACCEPTING CREDIT AS PAYMENT, BY TYPE

Vendor Source	July 2019	Aug 2019	Sept 2019
Fuel	9.0%	5.3%	11.1%
WASH	15.7%	7.9%	17.6%
Water Trucking	14.0%	5.9%	8.8%

MEDIAN EXCHANGE RATE, BY GOVERNORATE

Governorate	July 2019	Aug 2019	Sept 2019
Aden	583	585	603
Al Bayda	550	598	600
Al Hudaydah	578	580	600
Amanat Al Asimah	575	590	600
Hajjah	568	585	598
Ibb	571	606	590
Lahj	580	580	604
Sa'ada	550	580	605
Sana'a	550	590	600
Shabwah	582	591	608
Taizz	572	590	604

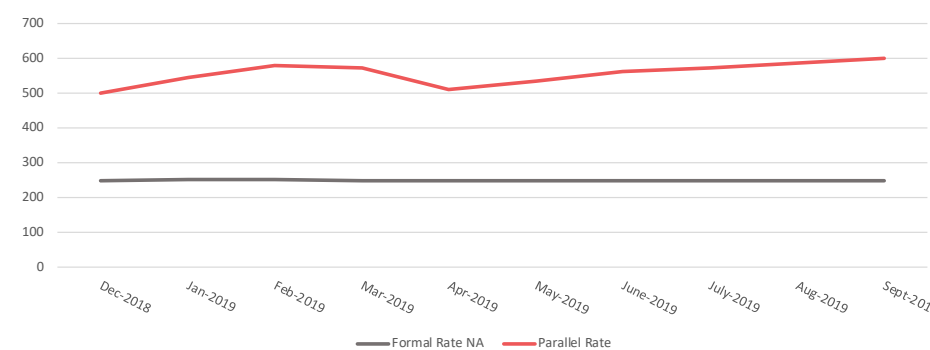
MEDIAN WASH SMEB PRICES, BY GOVERNORATE: 6-Month and 1-Months (YER)

Governorate	Soap (10.5 kg)	Laundry powder (2 kg)	Sanitary napkins (20 units)	Water trucking (3.15 m³)	WASH SMEB Sept-19	Change since Mar-19	Change since Aug-19
Aden	1575	1500	1000	15750	19825	67.3%	0.0%
Al Bayda	1050	3000	1200	4568	9818	N/A*	1.0%
Al Hudaydah	1444	2200	1025	11025	15694	96.6%	23.3%
Amanat Al Asimah	1575	2180	980	5198	9933	-29.5%	N/A^
Hajjah	1575	2400	1000	6300	11275	-15.5%	-29.0%
Ibb	1313	2500	1000	5906	10719	20.6%	27.5%
Lahj	1575	2000	1100	5513	10188	15.9%	13.0%
Sa'ada	1575	4400	1400	3150	10525	-28.7%	22.0%
Sana'a	1155	3300	1200	4883	10538	11.0%	10.2%
Shabwah	1418	2100	1000	8714	13232	63.0%	4.7%
Taizz	1575	2000	1000	7088	11663	33.8%	-24.3%

* No data from Al Bayda in Mar.

^No water trucking was being conducted at markets visited in Amanat Al Asimah during Aug so a figure for the SMEB change is not available this month.

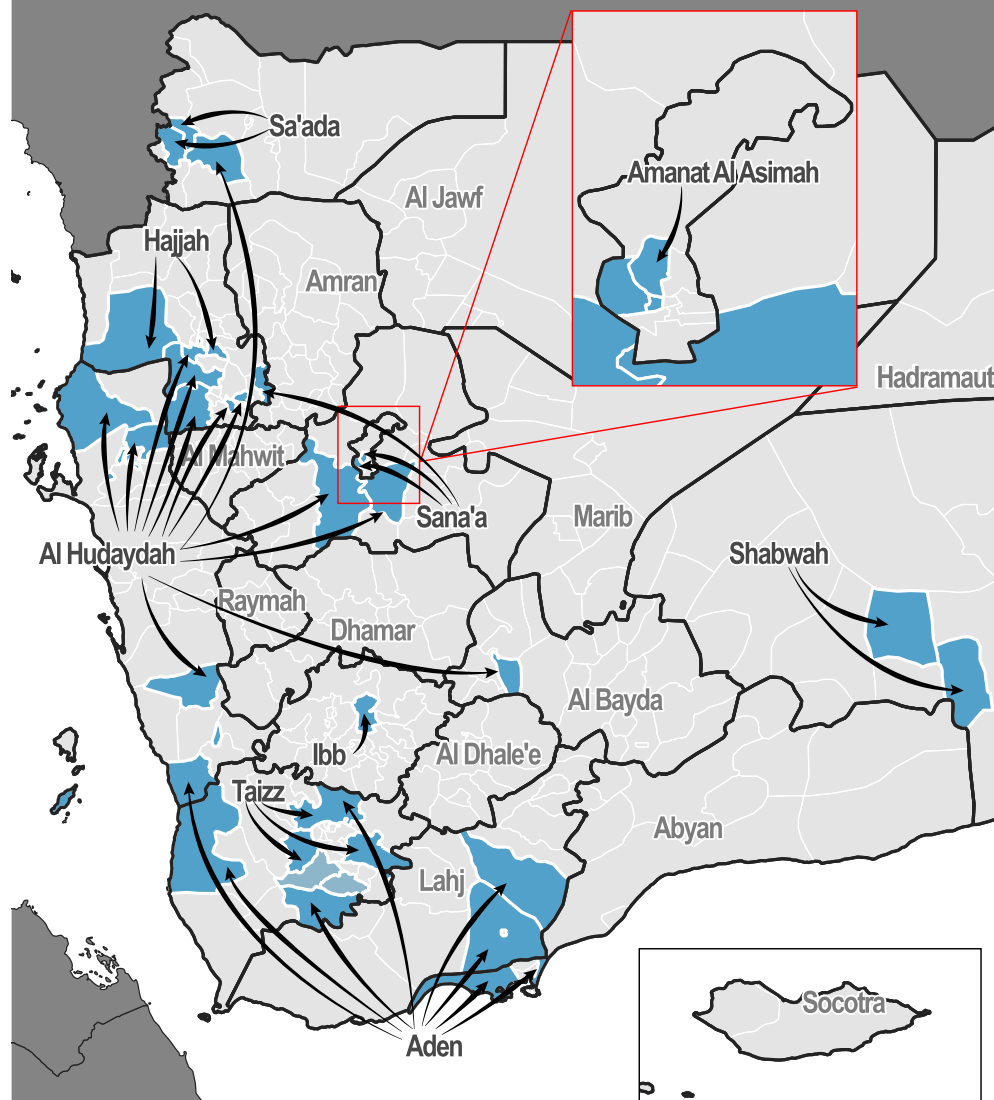
EXCHANGE RATE INDEX



WASH SMEB Supply Chain Overview*

Supply destination

- Districts without a main supplier
- Districts with a main supplier
- Governorate of origin



GOVERNORATE SUPPLY CHAIN ACCORDING TO WASH VENDOR KIS

Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed ^A	Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed ^A
Aden	Al Buraiqeh	Aden	2 / 5	Hajjah	Qafil Shamer	Al Hudaydah	3 / 3
Aden	Khur Maksar	Aden	4 / 10	Ibb	Al Makhadir	Ibb	2 / 7
Al Bayda	Rada'	Al Hudaydah	3 / 3	Lahj	Al Milah	Aden	1 / 3
Al Hudaydah	Al Khawkah	Aden	3 / 3	Lahj	Tuban	Aden	4 / 10
Al Hudaydah	Al Qanawis	Al Hudaydah	3 / 3	Sa'ada	Ghamr	Sa'ada	3 / 3
Al Hudaydah	Alluheyah	Al Hudaydah	3 / 3	Sa'ada	Razih	Sa'ada	3 / 3
Al Hudaydah	Zabid	Al Hudaydah	10 / 10	Sa'ada	Saqayn	Al Hudaydah	3 / 3
Amanat Al Asimah	At Tahrir	Sana'a	4 / 10	Sana'a	Bani Matar	Al Hudaydah	3 / 3
Amanat Al Asimah	Ath'thaorah	Amanat Al Asimah	3 / 3	Sana'a	Sanhan	Al Hudaydah	3 / 3
Amanat Al Asimah	Ma'ain	Sana'a	4 / 10	Shabwah	Ataq	Shabwah	3 / 3
Hajjah	Abs	Hajjah	3 / 3	Shabwah	Habban	Shabwah	3 / 3
Hajjah	Al Mahabishah	Hajjah	3 / 3	Taizz	Al Mukha	Aden	3 / 3
Hajjah	Bani Qa'is	Al Hudaydah	2 / 5	Taizz	Al Ma'afer	Aden / Taizz	2 / 7
Hajjah	Hajjah City	Al Hudaydah	3 / 3	Taizz	Al Mawasit	Aden / Do Not Know	2 / 7
Hajjah	Ku'aydinah	Al Hudaydah	2 / 5	Taizz	Ash Shamayatayn	Aden	3 / 3
Hajjah	Kuhlan Affar	Sana'a	3 / 3	Taizz	At Ta'iziyah	Taizz	10 / 10
Hajjah	Najrah	Al Hudaydah	7 / 13	Taizz	Dimnat Khadir	Taizz	9 / 9
				Taizz	Jabal Habashy	Taizz	14 / 14

^AIf the number is 4/10 (e.g.), this indicates that 10 vendor KIs were interviewed, of those, 4 answered the supply question. The supplier governorate indicates the most prevalent answer. In the case of a tie, both governorates are shown.

*The map shows WASH SMEB 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 WASH items they sold.

PAYMENT MODALITIES ACCEPTED: WASH VENDORS*

Cash	99.3%	<div><div></div></div>
Credit	17.6%	<div><div></div></div>
Mobile money	1.5%	<div><div></div></div>

* Payment modalities can add up to more than 100%

MOST REPORTED CONSTRAINTS FOR: WASH VENDORS*

Price inflation	73.5%	<div><div></div></div>
Transportation	36.7%	<div><div></div></div>
Insecurity	26.5%	<div><div></div></div>
Shortage of liquidity	19.8%	<div><div></div></div>
Shortage of supply	16.9%	<div><div></div></div>
Shortage of demand	11.0%	<div><div></div></div>
No constraints	6.6%	<div><div></div></div>
Refused to answer	2.2%	<div><div></div></div>
Other^	0.7%	<div><div></div></div>

^Other includes additional check points and taxes

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

CONSTRAINTS AND CHALLENGES

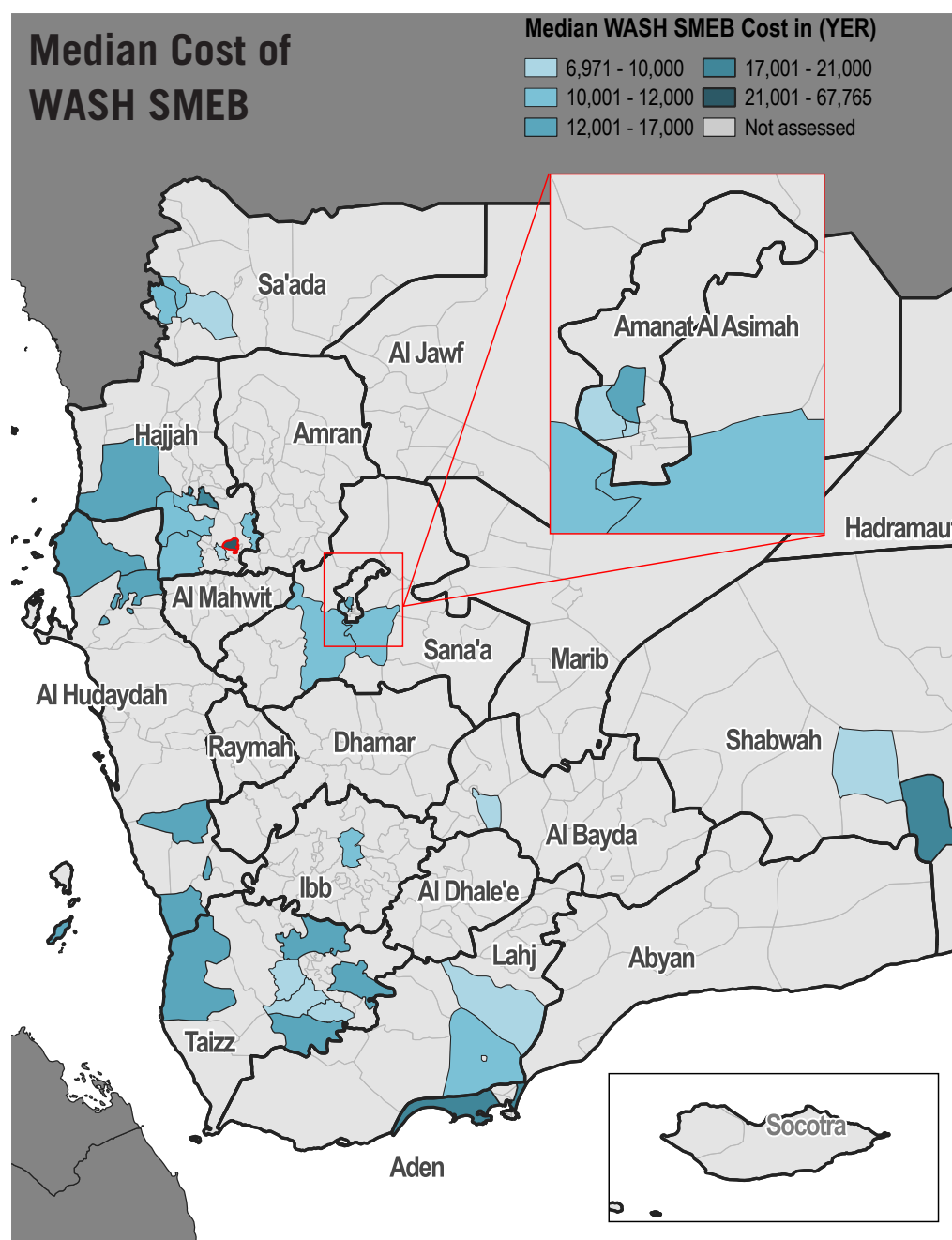
When asked about the top constraints they faced in conducting their business, most WASH vendor KIs reported price inflation and a shortage of supply.

MEDIAN WASH SMEB COST BY DISTRICT (YER)

Governorate	District	SMEB Cost
Aden	Al Buraiqeh	19825
Aden	Khur Maksar	19825
Al Bayda	Rada'	9818
Al Hudaydah	Al Khawkah	15740
Al Hudaydah	Al Qanawis	15485

Governorate	District	SMEB Cost
Al Hudaydah	Alluheyah	15700
Al Hudaydah	Zabid	16248
Amanat Al Asimah	At Tahrir	9933
Amanat Al Asimah	Ath'thaorah	12335
Amanat Al Asimah	Ma'ain	9460
Hajjah	Abs	16838
Hajjah	Al Mahabishah	20325
Hajjah	Bani Qa'is	11835
Hajjah	Hajjah City	67765^
Hajjah	Ku'aydinah	10475
Hajjah	Kuhlan Affar	11575
Hajjah	Najrah	8913
Hajjah	Qafil Shamer	10875
Ibb	Al Makhadir	10719
Lahj	Al Milah	9500
Lahj	Tuban	10875
Sa'ada	Ghamr	10525
Sa'ada	Razih	10368
Sa'ada	Saqayn	9818
Sana'a	Bani Matar	10785
Sana'a	Sanhan	10290
Shabwah	Ataq	8859
Shabwah	Habban	17605
Taizz	Al Mukha	12063
Taizz	Al Ma'afer	7725
Taizz	Al Mawasit	9300
Taizz	Ash Shamayatayn	16460
Taizz	At Ta'iziyah	16050
Taizz	Dimnat Khadir	15674
Taizz	Jabal Habashy	6971

^Outliers indicated in red in table and on map



Note: Only districts with data for the complete SMEB were taken into account for this map.

Yemen Joint Market Monitoring Initiative (JMIMI), September 2019

PRICE MONITORING OVERVIEW FOR YEMEN

MEDIAN PRICE LEVELS, PER ITEM, PER MONTH (YER)

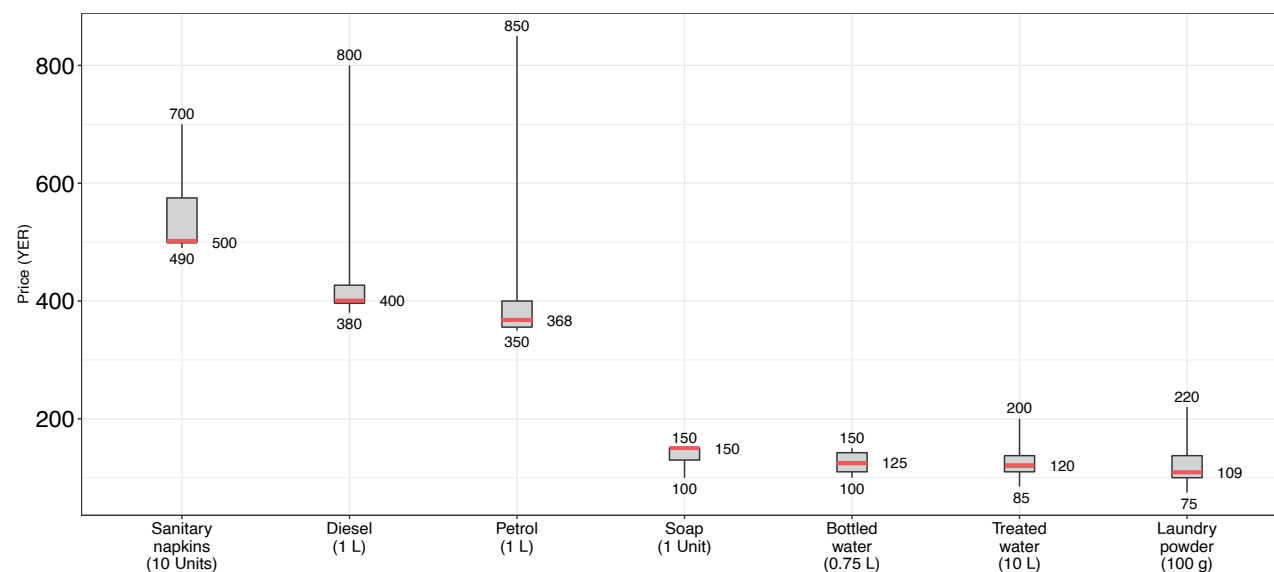
Item	September 2017 (baseline) [^]	November 2017 [^]	March 2019	April 2019	May 2019	June 2019	July 2019	Aug 2019	Sept 2019	% Change (Aug-Sept)
Petrol (1L)	275	349	365	365	365	365	365	370	368	-0.5%
Diesel (1L)	235	394	430	430	409	400	410	401	400	-0.2%
Bottled water (0.75L)	70	100	120	120	115	130	128	138	125	-9.4%
Treated water (0.75L)	NA ↗	175 ↗	114	105	115	130	120	120	120	0.0%
Soap (100g)	88	NA	135	130	134	135	129	140	150	7.1%
Laundry powder (100g)	50	NA	105	105	115	120	110	130	109	-16.2%
Sanitary napkins (10 Pack)	250	NA	525	525	510	528	500	550	500	-9.1%
Water trucking (1 m³)	825	1,700	1,500	1,875	1,900	1,500	1,358	1,450	1875	29.3%

* Price variations and the percentage change are calculated using data from markets that were assessed in both consecutive months.

[^] Price levels for September 2017 are the price quotations recorded during the Multi-Agency Joint Cash Study, while prices for November 2017 were recorded during the Weekly Price Monitoring Initiative conducted by the WASH Cluster.

↗ Treated water prices for September 2017 and November 2017 were for 20L, while the JMMI collects prices for 10L.

PRICE DISTRIBUTION OF KEY ITEMS ACROSS YEMEN



SEPTEMBER 2019 MEDIAN PRICE PER GOVERNORATE (YER)

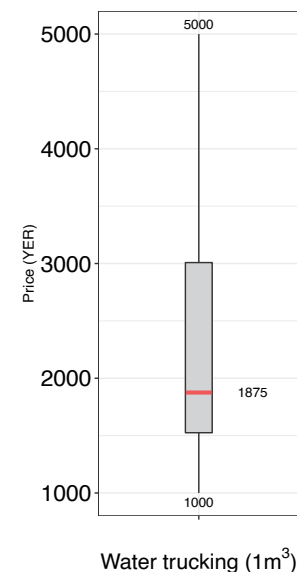
Governorate	Petrol (1L)	Diesel (1L)	Bottled water (0.75L)	Treated water (10L)	Soap (1 Unit)	Laundry powder (100g)	Sanitary napkins (10)	Water trucking (1m³)
Aden	350	NA*	150	85	150	75	500	5000
Al Bayda	370	400	100	120	100	150	600	1450
Al Hudaydah	850	800	145	90	138	110	513	3500
Amanat Al Asimah	365	NA	120	120	150	109	490	1650
Hajjah	625	525	125	150	150	120	500	2000
Ibb	NA*	NA*	125	200	125	125	500	1875
Lahj	350	380	125	125	150	100	550	1750
Sa'ada	400	440	140	120	150	220	700	1000
Sana'a	365	400	100	120	110	165	600	1550
Shabwah	353	385	100	175	135	105	500	2767
Taizz	400	423	150	100	150	100	500	2250

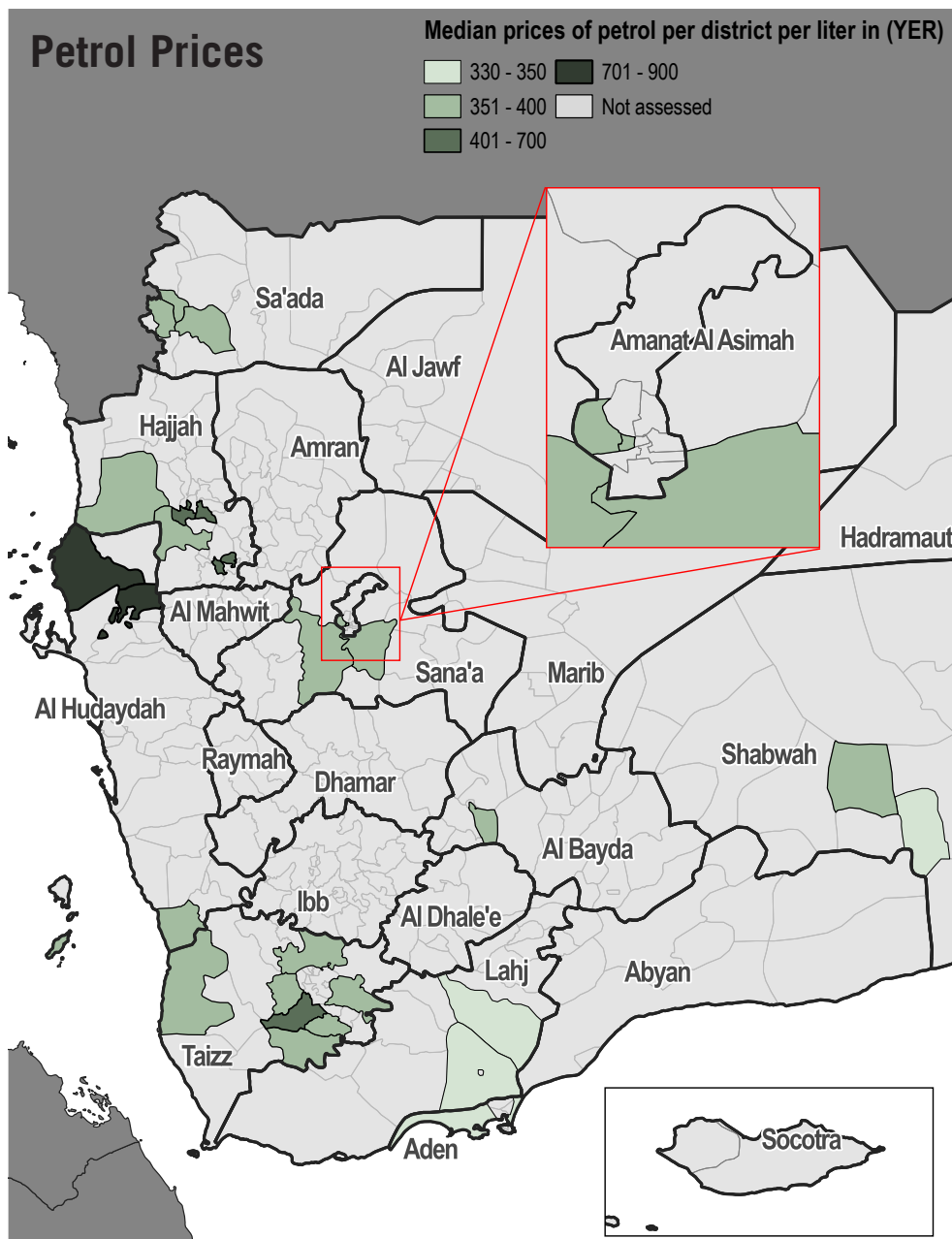
* NA indicates that the specific question was not answered by the KIs

ORIGIN OF GOODS BY GOVERNORATE

Governorate	Governorate Origin: Fuel	Governorate Origin: WASH
Aden	Aden	Aden
Al Bayda	al Hudaydah	al Hudaydah
Al Hudaydah	al Hudaydah	al Hudaydah
Amanat Al Asimah	al Hudaydah	Sana'a
Hajjah	al Hudaydah	al Hudaydah
Ibb	NA*	Ibb
Lahj	Aden	Aden
Sa'ada	Sa'ada	Sa'ada
Sana'a	al Hudaydah	al Hudaydah
Shabwah	Hadramaut	Shabwah
Taizz	Lahj	Taizz

* NAs were not answered by respondents





Note: The differences in the number of districts shown between the two maps for fuel and water prices are due to the methodology-stipulated requirement for a minimum of three price quotations per market per district.

MOST REPORTED CONSTRAINTS FOR: FUEL VENDORS*

Price inflation	84.4%	
Transportation	60.0%	
Shortage of supply	53.3%	
Insecurity	36.7%	
Liquidity shortage	36.7%	
Shortage of demand	15.6%	
Do not know	2.2%	
Government regulations	1.1%	
Other^	1.1%	

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

^Other includes check points and taxes

PAYMENT MODALITIES ACCEPTED: FUEL VENDORS*

Cash	97.7%	
Credit	11.1%	
Other^	6.7%	
Do not know	2.2%	

*Payment modalities can add up to more than 100%

^Other option involve the black market

CONSTRAINTS AND CHALLENGES

While prices seem relatively stable, many districts do not have access to fuel. Hajjah has the highest prices of any governorate.

MEDIAN PETROL PRICE BY DISTRICT (YER)

Governorate	District	Petrol Price
Aden	Al Buraieqeh	350
Aden	Khur Maksar	350
Al Bayda	Rada'	370
Al Hudaydah	Al Khawkhah	385

Governorate	District	Petrol Price
Al Hudaydah	Al Qanawis	850
Al Hudaydah	Alluheyah	900
Al Hudaydah	Zabid	NA*
Amanat Al Asimah	At Tahrir	365
Amanat Al Asimah	Ath'thaorah	NA*
Amanat Al Asimah	Ma'ain	365
Hajjah	Abs	375
Hajjah	Al Mahabishah	650
Hajjah	Bani Qa'is	NA*
Hajjah	Hajjah City	700
Hajjah	Ku'aydinah	365
Hajjah	Kuhlan Affar	NA*
Hajjah	Najrah	675
Hajjah	QafI Shamer	600
Ibb	Al Makhadir	NA*
Lahj	Al Milah	350
Lahj	Tuban	350
Sa'ada	Ghamr	400
Sa'ada	Razih	400
Sa'ada	Saqayn	365
Sana'a	Bani Matar	365
Sana'a	Sanhan	365
Shabwah	Ataq	375
Shabwah	Habban	330
Taizz	Al Mukha	385
Taizz	Al Ma'afer	415
Taizz	Al Mawasit	400
Taizz	Ash Shamayatayn	400
Taizz	At Ta'iziyah	365
Taizz	Dimnat Khadir	365
Taizz	Jabal Habashy	400

*NA indicates that, in the specific location, fuel was reported unavailable.

OVERVIEW OF WATER TRUCKING

51% of water trucking vendor KIs stated that they charged delivery costs based on the distance between the water source and the delivery point. The average price for an additional 5km is **6,500 YER** and **9,000 YER** for an additional 10 km.

81% of water trucking vendor KIs stated that they sell non-chlorinated water.

14% of water trucking vendor KIs stated that they sell chlorinated water. Additionally, 5% of water trucking vendor KIs reported being unaware whether or not the water they sold was chlorinated.

94% of water trucking vendor KIs reported sourcing water from a pumping station or a borehole.

3% of water trucking vendor KIs reported sourcing water from a treatment station.

3% of water trucking vendor KIs reported sourcing water from a spring.

PAYMENT MODALITIES ACCEPTED: WATER TRUCKING*

Cash	100%	<div style="width: 100%;"></div>
Credit	8.8%	<div style="width: 8.8%;"></div>

* Payment modalities can add up to more than 100%

CONSTRAINTS AND CHALLENGES

When asked about the top constraints they faced in conducting their business, water truck KIs reported price inflation, shortage of demand, transportation, and insecurity as their top issues.

MEDIAN WATER TRUCKING PRICE BY DISTRICT (YER)

Governorate	District	Water Trucking Price
Aden	Al Buraiqeh	NA*
Aden	Khur Maksar	5000
Al Bayda	Rada'	1450
Al Hudaydah	Al Khawkhah	NA*

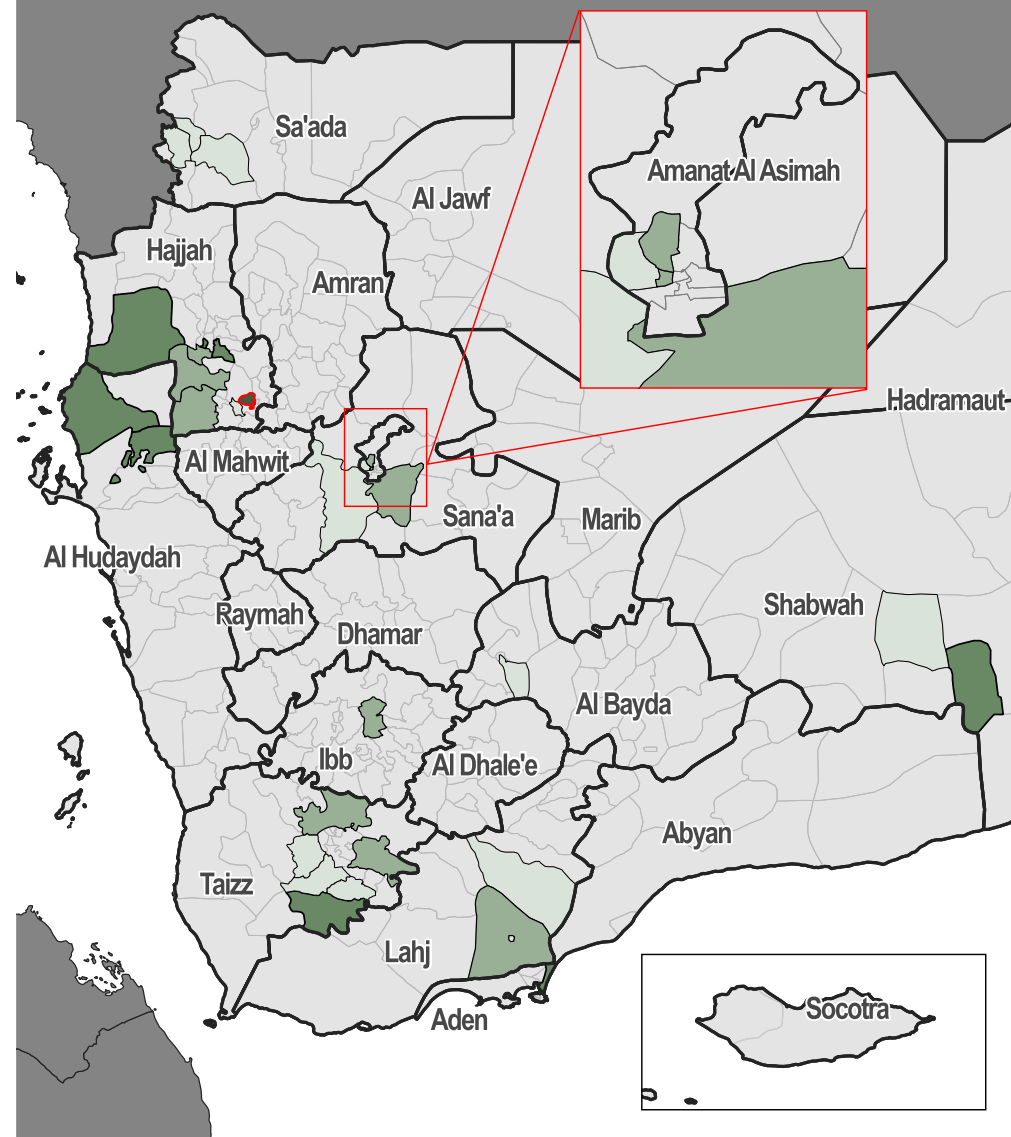
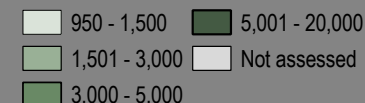
Governorate	District	Water Trucking Price
Al Hudaydah	Al Qanawis	3500
Al Hudaydah	Alluheyah	3500
Al Hudaydah	Zabid	NA*
Amanat Al Asimah	At Tahrir	1650
Amanat Al Asimah	Ath'thaorah	2400
Amanat Al Asimah	Ma'ain	1500
Hajjah	Abs	3250
Hajjah	Al Mahabishah	5000
Hajjah	Bani Qa'is	2000
Hajjah	Hajjah City	20000 ^A
Hajjah	Ku'aydinah	2000
Hajjah	Kuhlan Affar	NA*
Hajjah	Najrah	1250
Hajjah	Qafil Shamer	2000
Ibb	Al Makhadir	1875
Lahj	Al Milah	1500
Lahj	Tuban	2000
Sa'ada	Ghamr	1000
Sa'ada	Razih	950
Sa'ada	Saqayn	1450
Sana'a	Bani Matar	1500
Sana'a	Sanhan	1600
Shabwah	Ataq	1333
Shabwah	Habban	4200
Taizz	Al Mukha	NA*
Taizz	Al Ma'afer	1000
Taizz	Al Mawasit	1500
Taizz	Ash Shamayatayn	4000
Taizz	At Ta'iziyah	3000
Taizz	Dimnat Khadir	3000
Taizz	Jabal Habashy	1100

^AOutliers indicated in red in table and on map

*NA indicates that, in the specific location water trucking was reportedly unavailable.

Water Trucking Prices

Water trucking prices per district per cubic meter in (YER)



GOVERNORATE SUPPLY CHAIN ACCORDING TO FUEL VENDOR

Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed ^A
Aden	Al Buraiqeh	Aden	1 / 5
Aden	Khur Maksar	Aden	2 / 10
Al Bayda	Rada'	Al Hudaydah	3 / 3
Al Hudaydah	Al Khawkhah	Aden	3 / 3
Al Hudaydah	Al Qanawis	Al Hudaydah	3 / 3
Al Hudaydah	Alluheyah	Al Hudaydah	3 / 3
Al Hudaydah	Zabid	NA ~	0 / 10
Amanat Al Asimah	At Tahrir	Al Hudaydah	4 / 10
Amanat Al Asimah	Ath'thaorah	Refuse to answer	3 / 3
Amanat Al Asimah	Ma'ain	Al Hudaydah	4 / 10
Hajjah	Abs	Hajjah	2 / 3
Hajjah	Al Mahabishah	Al Hudaydah	3 / 3
Hajjah	Bani Qa'is	NA ~	0 / 5
Hajjah	Hajjah City	Al Hudaydah	3 / 3
Hajjah	Ku'aydinah	Al Hudaydah	2 / 5
Hajjah	Kuhlan Affar	NA ~	0 / 3
Hajjah	Najrah	Al Hudaydah	2 / 13

Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed ^A
Hajjah	Qafil Shamer	Al Hudaydah	3 / 3
Ibb	Al Makhadir	NA ~	0 / 7
Lahj	Al Milah	Aden	1 / 3
Lahj	Tuban	Aden	4 / 10
Sa'ada	Ghamr	Sa'ada	3 / 3
Sa'ada	Razih	Sa'ada	3 / 3
Sa'ada	Saqayn	Al Hudaydah	3 / 3
Sana'a	Bani Matar	Al Hudaydah	3 / 3
Sana'a	Sanhan	Al Hudaydah	3 / 3
Shabwah	Ataq	Hadramaut	3 / 3
Shabwah	Habban	Hadramaut	3 / 3
Taizz	Al Mukha	Aden	3 / 3
Taizz	Al Ma'afer	Lahj	2 / 7
Taizz	Al Mawasit	Do Not Know	3 / 7
Taizz	Ash Shamayatayn	Lahj	3 / 3
Taizz	At Ta'iziyah	Sana'a	3 / 10
Taizz	Dimnat Khadir	Sana'a	4 / 9
Taizz	Jabal Habashy	Lahj	5 / 14

^AIf the number is 4/10 (e.g.), this indicates that 10 vendor KIs were interviewed, of those, 4 answered the supply question. The supplier governorate indicates the most prevalent answer. In the case of a tie, both governorates are shown.

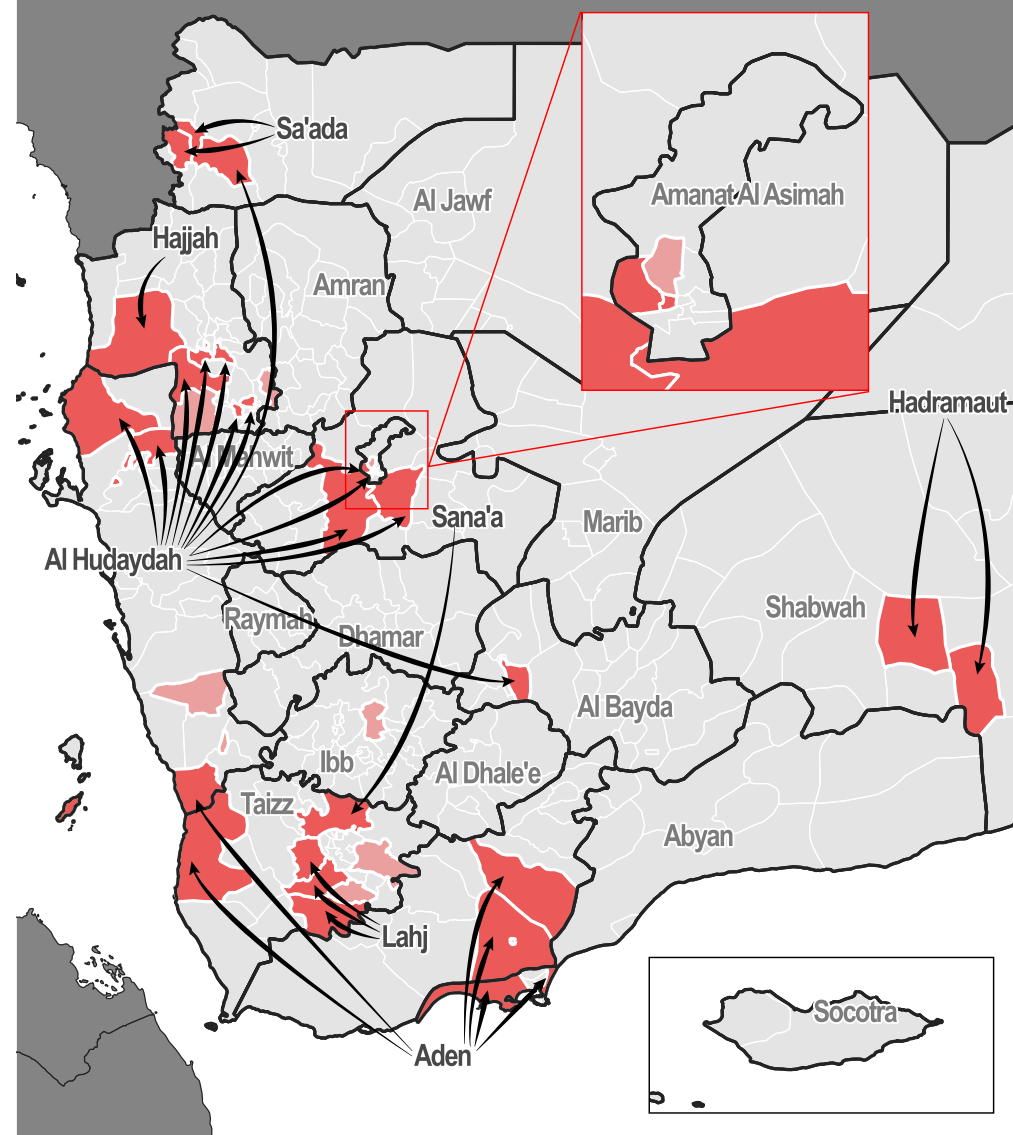
*The map shows fuel supply chain inside the same governorate and towards other governorates. Districts without a main supplier are those where vendor KIs could not identify the origin of the fuel they sold.

~ Fuel prices and vendors were not available in district

Petrol and Diesel Main Supply Chain Overview*

Supply destination

- Districts without a main supplier
- Districts with a main supplier
- Governorate of origin

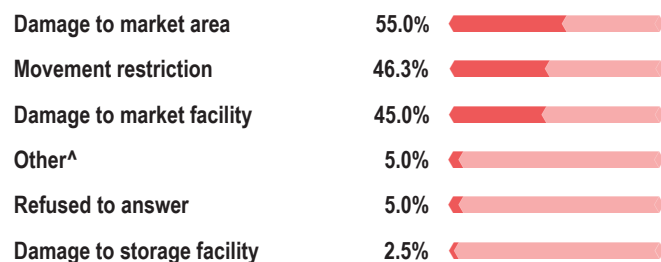


SUPPLY CHAIN OVERVIEW FOR YEMEN

MARKET-RELATED CONCERNS AFFECTING VENDOR CAPACITY TO CONDUCT BUSINESS

When asked if they faced any market-related concerns that would prevent them from conducting their business, 65% of the assessed KIs responded that they did not face any concerns compared to 35% who responded that they did. Of those vendors who experienced market related concerns, the most reported responses are summarized below.

Most reported market-related concerns*



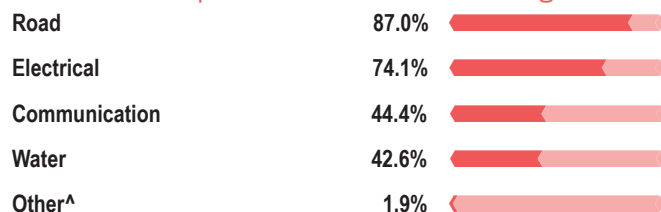
^{*}Lack of fuel and increased conflicts in the area

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

MOST REPORTED DAMAGED INFRASTRUCTURE AFFECTING VENDOR CAPACITY TO CONDUCT BUSINESS*

Vendor KIs who reported "damage to the market area" and "damage to the market facility" as concerns affecting their capacity to run their businesses were then asked what infrastructure was most damaged.

Most reported infrastructure damage*



^{*}KI commented that "everything has been destroyed"

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

MEDIAN PRICE OF GOODS ORIGINATING FROM ADEN AND AL HUDAYDAH (YER)

Governorate Source	Petrol (1L)	Diesel (1L)	Soap (1 Unit)	Laundry powder (100g)	Sanitary napkins (10)
Aden	385	400	150	77.5	500
al Hudaydah	550	430	120	120	600

Vendor KIs were asked about the origin of various products sold in their stores. The two main points of origin for these products were Aden and al Hudaydah, with petrol, diesel, laundry powder, and sanitary napkins originating from Aden being cheaper than in al Hudaydah, while only soap was cheaper in al Hudaydah.

AVERAGE RESTOCKING TIME (DAYS)

-CHANGE IN DAYS FROM AUGUST 2019 IN BRACKETS -

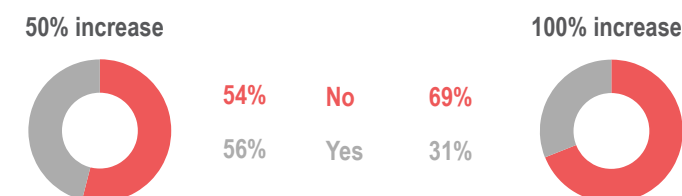
Governorate	Fuel Items	WASH Items
Aden	2 (0)	2 (0)
al Bayda	3 (0)	3 (0)
al Hudaydah	8 (2)	6 (1)
Amanat al Asimah	4 (1)	2 (-1)
Hajjah	5 (-1)	3 (0)
Ibb	NA*	2 (1)
Lahj	7 (2)	5 (0)
Sa'ada	5 (2)	5 (2)
Sana'a	3 (0)	3 (0)
Shabwah	2 (-2)	1 (-1)
Taizz	3 (-1)	4 (1)

^{*} NA indicates that the specific question was not answered by the KIs

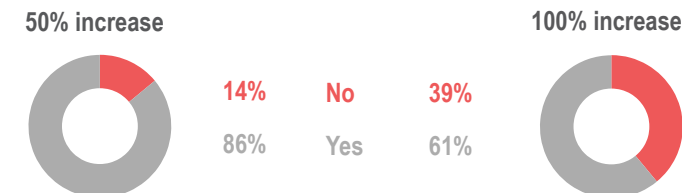
VENDOR CAPACITY TO RESPOND TO A SUDDEN INCREASE IN DEMAND

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. KIs are able to better absorb a 50% increase in demand, compared to a 100% increase in demand, regardless of the item in question.

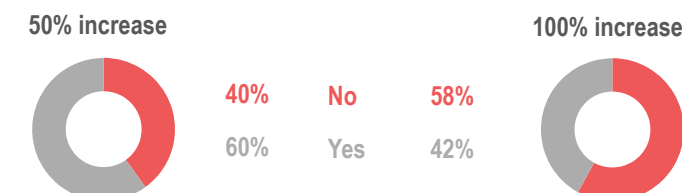
Vendor capacity to respond to a 50% and 100% increase in demand for fuel items



Vendor capacity to respond to a 50% and 100% increase in demand for WASH items



Vendor capacity to respond to a 50% and 100% increase in demand for water trucking



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, or multiple areas of commerce within the same geographical location when it is too small, to provide a minimum of three price quotations per assessed item.

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 (20 units) and water trucking (3.15 m3). 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.

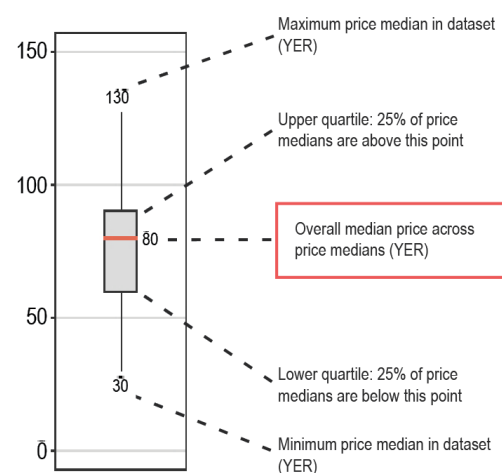
LIMITATIONS

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).

Number of Districts Assessed Per Governorate

Governorate	Districts Covered
Aden	3
al Bayda	1
al Hudaydah	4
Amanat al Asimah	3
Hajjah	8
Ibb	1
Lahj	2
Sa'ada	3
Sana'a	2
Shabwah	2
Taizz	7

PARTICIPATING PARTNERS INCLUDE

