



### 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 **20 Oct - 7 Nov\***

**12** Participating partners

**36** Districts assessed

**198** Vendor KIs surveyed

*\*Insecurity led to an extended data collection period*

### KEY FINDINGS

In October 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%**

**584**  
**USD/YER**  
Parallel market\*  
▼ **-2.7%**

**600**  
**USD/YER**  
Previous Parallel Market  
Rate August 2019

### KEY PRICE FIGURES

Between September 2019 and October 2019, prices for most goods increased, the largest increase occurred for water trucking which increased by over 30%. The increase in water trucking had a direct impact on the cost of the WASH SMEB, which increased 2,189 YER from the September 2019 amount.

<b>Petrol Price (1L)</b>	<b>365 YER</b>	▼	<b>-0.8%</b>
<b>Diesel Price (1L)</b>	<b>405 YER</b>	▲	<b>+1.3%</b>
<b>Bottled Water Price (0.75L)</b>	<b>140 YER</b>	▲	<b>+12.0%</b>
<b>Treated Water Price (10L)</b>	<b>120 YER</b>	►	<b>0.0%</b>
<b>Water Trucking Price (1m<sup>3</sup>)</b>	<b>2,500 YER</b>	▲	<b>+33.3%</b>
<b>Soap (100g)</b>	<b>150 YER</b>	►	<b>0.0%</b>
<b>Sanitary Napkins (10 Pack)</b>	<b>500 YER</b>	►	<b>0.0%</b>
<b>Laundry Powder (100 g)</b>	<b>120 YER</b>	▲	<b>+10.1%</b>

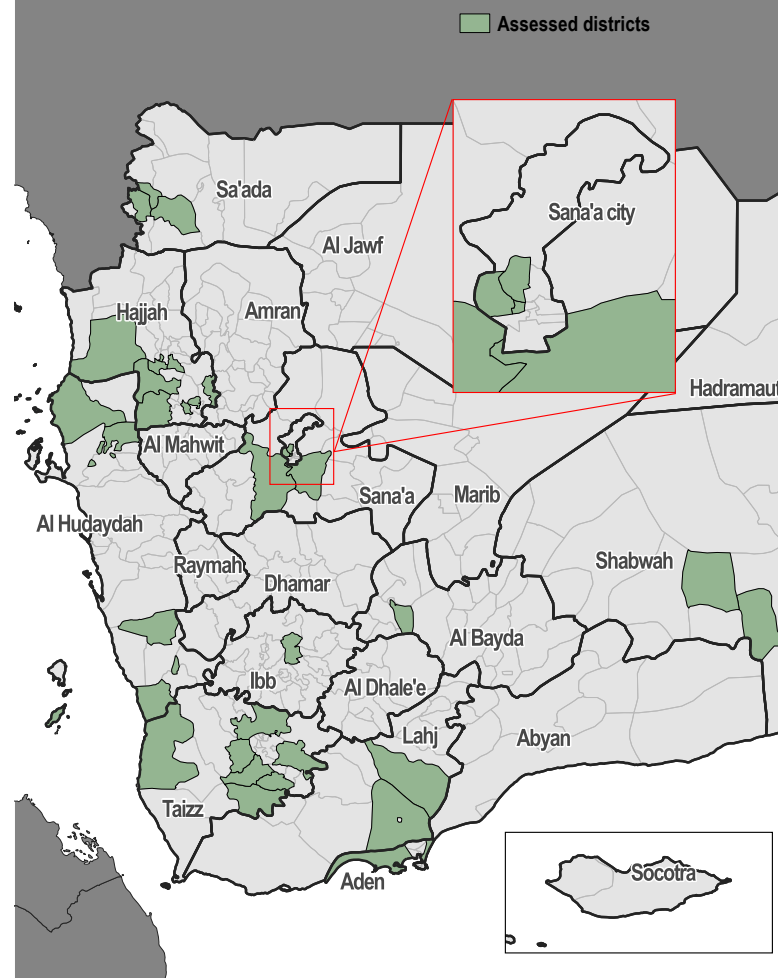
### WASH SMEB

The median cost for the WASH SMEB was calculated to be 12,850 YER, marking an increase of 20.5% from the cost observed in September 2019.

**Oct 12,850 YER / Sept 10,661 YER ▲ 2,189 YER +20.5%**

*\*179 of the 198 market KIs answered the exchange rate question within the parallel market.*

### ASSESSED DISTRICTS



### WASH SMEB

Soap	1.05 kg
Laundry powder	2 kg
Sanitary napkins	20 units
Water trucking	3.15 m <sup>3</sup>

### 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.

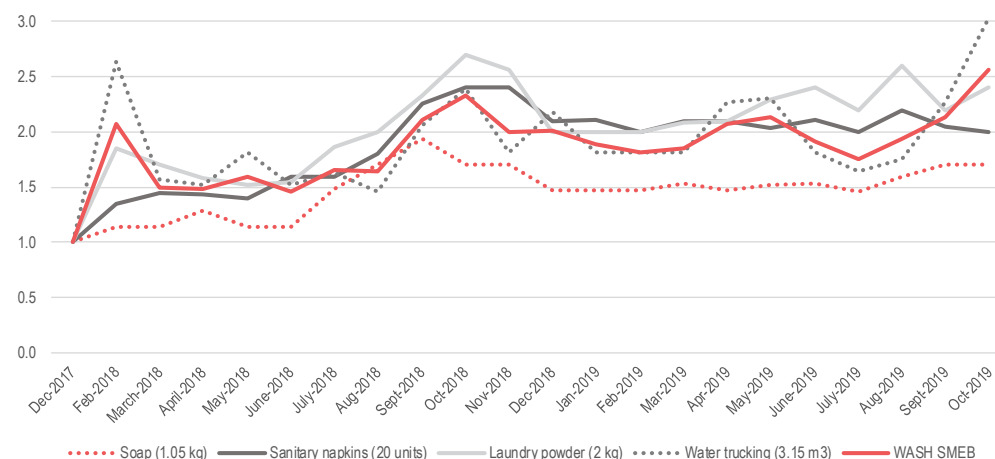
The cost of the WASH SMEB can be used as a proxy for the financial burdens, relative to WASH items, a household is facing in different locations. The WASH SMEB components were defined by the CMWG in consultation with relevant sector leads.

## MEDIAN COST OF WASH SMEB IN OCTOBER

12,850 YER

## WASH SMEB PRICE INDEX

Since September 2017 (normalized, September 2017 = 1.00)



Change since

April 2019



2,429 YER  
+23.3%

Change since

September 2019



2,189 YER  
+20.5%

## 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 Oct-19	Change since Apr-19	Change since Sept-19
Aden	1575	1525	1000	18506	22606	167.4%	14.0%
Al Bayda	1260	3000	1100	4410	9770	-50.7%	-0.5%
Al Hudaydah	1470	2400	910	7875	12655	15.9%	-19.4%
Amanat Al Asimah	1575	2180	980	6300	11035	-23.6%	11.1%
Amran	1575	2005	1150	2993	7723	-22.5%	N/A^
Hajjah	1575	3000	1100	7088	12763	17.1%	-3.6%
Ibb	1575	2000	626	3347	7548	N/A^	-34.3%
Lahj	1575	1910	1000	5906	10391	9.6%	2.0%
Sa'ada	1260	3000	1100	15750	21110	127.0%	100.6%
Sana'a	1260	3000	1100	9123	14482	-15.7%	37.4%
Shabwah	1313	2200	1000	4410	8923	11.7%	-32.6%
Taizz	1575	2400	1000	7875	12850	60.7%	10.2%

^No SMEB data was collected for these months (Ibb in April and Amran in September)

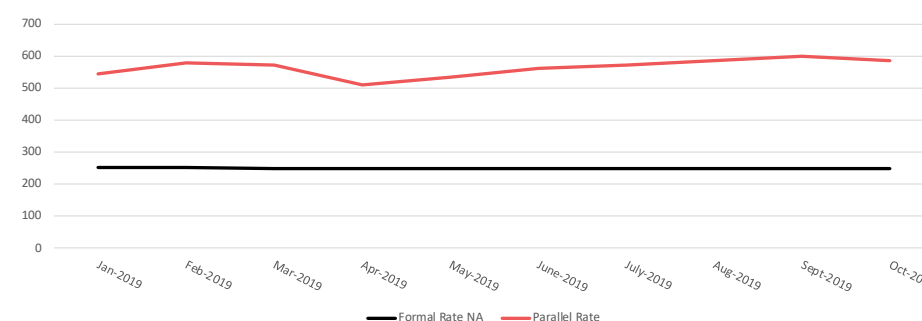
## RATE OF VENDORS ACCEPTING CREDIT AS PAYMENT, BY TYPE

Vendor Source	Aug 2019	Sept 2019	Oct 2019
Fuel	5.3%	11.1%	3.8%
WASH	7.9%	17.6%	20.6%
Water Trucking	5.9%	8.8%	16.8%

## MEDIAN EXCHANGE RATE, BY GOVERNORATE

Governorate	Aug 2019	Sept 2019	Oct 2019
Aden	585	603	593
Al Bayda	598	600	590
Al Hudaydah	580	600	583
Amanat Al Asimah	590	600	583
Amran	588	NA*	586
Hajjah	585	598	584
Ibb	606	590	575
Lahj	580	604	593
Sa'ada	580	605	590
Sana'a	590	600	580
Shabwah	591	608	590
Taizz	590	604	570

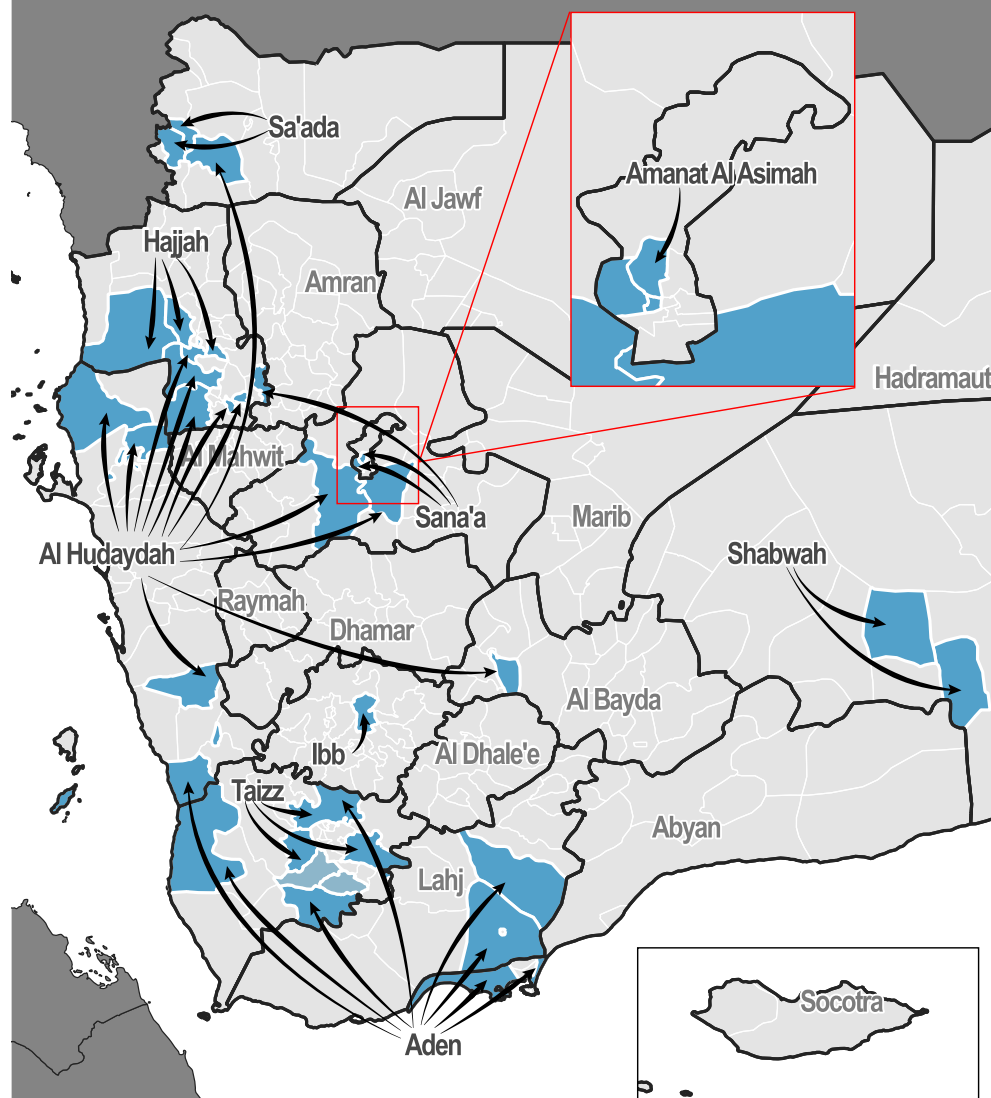
## EXCHANGE RATE INDEX



# WASH SMEB Supply Chain Overview\*

## Supply destination

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



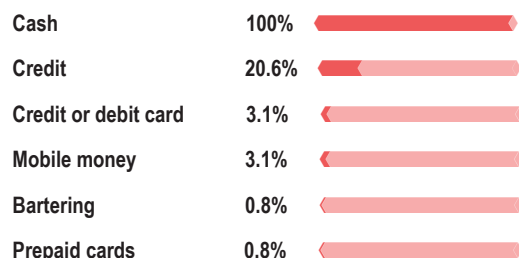
## GOVERNORATE SUPPLY CHAIN ACCORDING TO WASH VENDOR KIS

Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed <sup>^</sup>	Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed <sup>^</sup>
Aden	Ash Shaikh Outhman	Aden	4 / 10	Hajjah	Kuhlan Affar	Sana'a	3 / 3
Aden	Khur Maksar	Aden	4 / 11	Hajjah	Najrah	Al Hudaydah	5 / 8
Al Bayda	Rada'	Al Hudaydah	3 / 3	Hajjah	Qafil Shamer	Hajjah	3 / 3
Al Hudaydah	Al Khawkhah	Aden	3 / 3	Ibb	Al Makhadir	Ibb	1 / 8
Al Hudaydah	Al Qanawis	Al Hudaydah	3 / 3	Lahj	Al Milah	Lahj	1 / 3
Al Hudaydah	Alluheyah	Al Hudaydah	3 / 3	Lahj	Tuban	Aden	4 / 10
Al Hudaydah	Zabid	Al Hudaydah	12 / 12	Sa'ada	Saqayn	Al Hudaydah	3 / 3
Amanat Al Asimah	As Sabain	Sana'a	4 / 10	Sana'a	Bani Matar	Al Hudaydah	4 / 4
Amanat Al Asimah	At Tahrir	Sana'a	4 / 10	Sana'a	Sanhan	Al Hudaydah	3 / 3
Amanat Al Asimah	Ath'thaorah	Amanat Al Asimah	3 / 3	Shabwah	Ataq	Shabwah	3 / 3
Amran	Amran	Sana'a	2 / 5	Shabwah	Habban	Shabwah	3 / 3
Amran	Jabal Iyal Yazid	Sana'a	2 / 5	Taizz	Al Mukha	Aden	5 / 5
Hajjah	Abs	Hajjah	3 / 3	Taizz	Al Ma'afer	Aden	1 / 8
Hajjah	Al Mahabishah	Hajjah	3 / 3	Taizz	Al Mawasit	Aden	1 / 7
Hajjah	Aslem	Hajjah	3 / 3	Taizz	Ash Shamayatayn	Aden	3 / 3
Hajjah	Bani Qa'is	Al Hudaydah	2 / 3	Taizz	At Ta'iziyah	Taizz	4 / 4
Hajjah	Hajjah City	Sana'a	3 / 3	Taizz	Dimnat Khadir	Taizz	5 / 5
Hajjah	Ku'aydinah	Al Hudaydah	2 / 6	Taizz	Jabal Habashy	Taizz	16 / 16

<sup>^</sup>If 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.

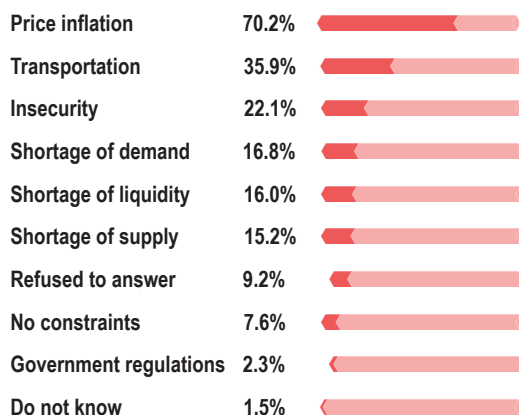
\*The map shows WASH SMEB supply chains inside the same governorate and towards other governorates. Districts without a main supplier are those districts where vendor KIs could not identify the origin of the WASH items they sold.

## PAYMENT MODALITIES ACCEPTED: WASH VENDORS\*



\* Payment modalities can add up to more than 100%

## MOST REPORTED CONSTRAINTS FOR: WASH VENDORS\*



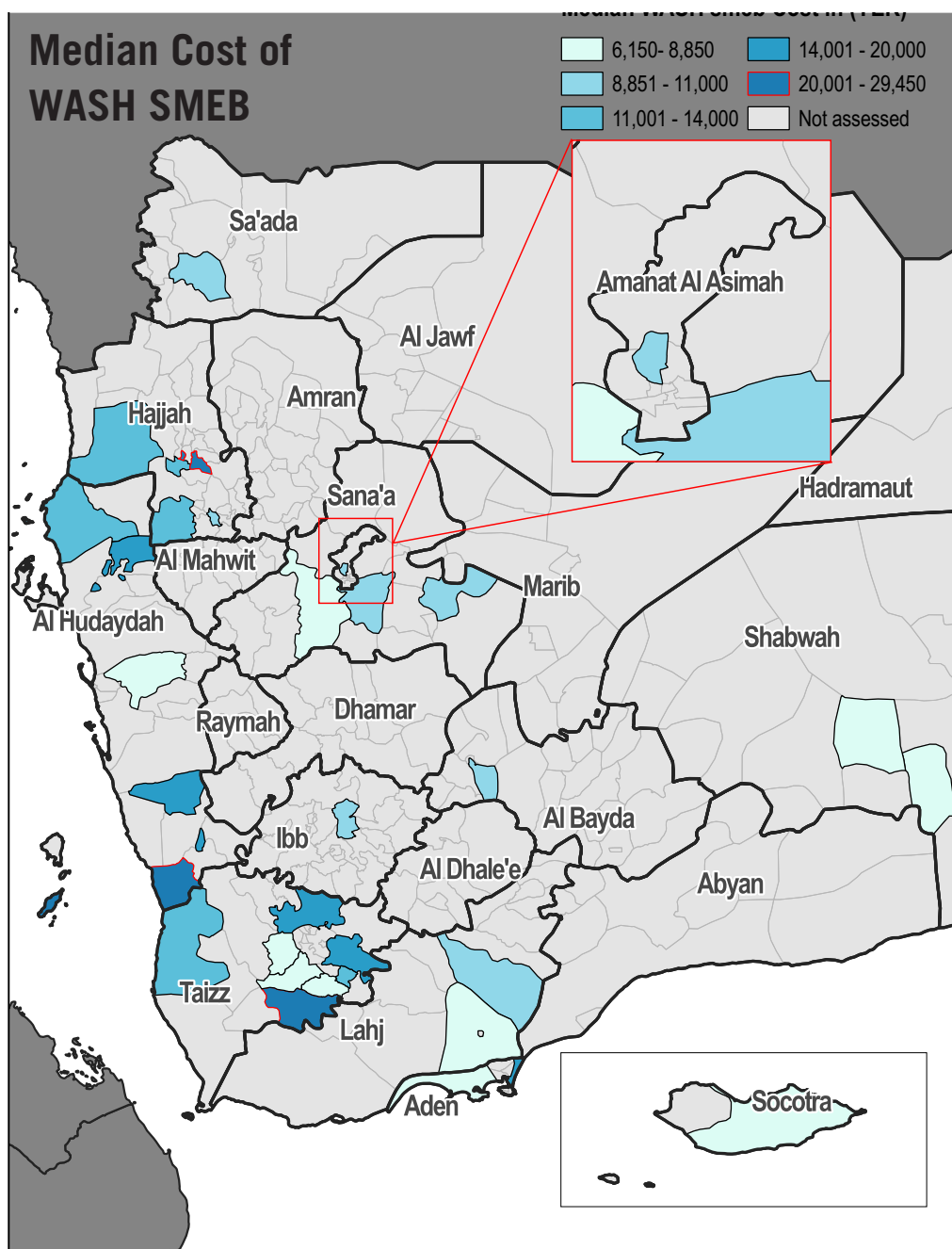
\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

## MEDIAN WASH SMEB COST BY DISTRICT (YER)

Governorate	District	SMEB Cost
Aden	Ash Shaikh Outhman	25388
Aden	Khur Maksar	19825
Al Bayda	Rada'	9770
Al Hudaydah	Al Khawkah	15240
Al Hudaydah	Al Qanawis	8765

Governorate	District	SMEB Cost
Al Hudaydah	Alluheyah	32925
Al Hudaydah	Zabid	12660
Amanat Al Asimah	As Sabain	16075
Amanat Al Asimah	At Tahrir	8515
Amanat Al Asimah	Ath'thaorah	11320
Amran	Amran	7735
Amran	Jabal Iyal Yazid	7710
Hajjah	Abs	13168
Hajjah	Al Mahabishah	28430
Hajjah	Aslem	10270
Hajjah	Bani Qa'is	12663
Hajjah	Hajjah City	9065
Hajjah	Ku'aydinah	14663
Hajjah	Kuhlan Affar	43075
Hajjah	Najrah	9790
Hajjah	Qafil Shamer	17280
Ibb	Al Makhadir	7548
Lahj	Al Milah	9908
Lahj	Tuban	10875
Sa'ada	Saqayn	21110
Sana'a	Bani Matar	10479
Sana'a	Sanhan	18486
Shabwah	Ataq	8460
Shabwah	Habban	9385
Taizz	Al Mukha	15615
Taizz	Al Ma'afer	12778
Taizz	Al Mawasit	12179
Taizz	Ash Shamayatayn	15549
Taizz	At Ta'iziyah	13161
Taizz	Dimnat Khadir	12600
Taizz	Jabal Habashy	20862

\*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 (JMMI), October 2019

# PRICE MONITORING OVERVIEW FOR YEMEN

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

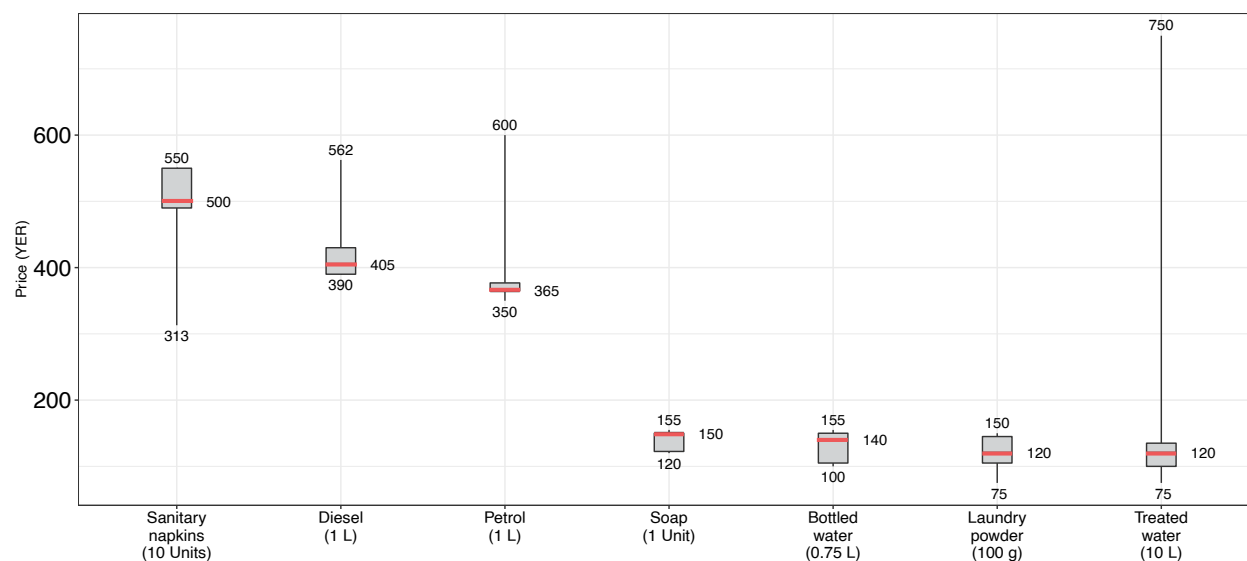
Item	September 2017 (baseline) <sup>^</sup>	November 2017 <sup>^</sup>	April 2019	May 2019	June 2019	July 2019	Aug 2019	Sept 2019	Oct 2019	% Change (Sept-Oct)
Petrol (1L)	275	349	365	365	365	365	370	368	365	-0.8%
Diesel (1L)	235	394	430	409	400	410	401	400	405	1.3%
Bottled water (0.75L)	70	100	120	115	130	128	138	125	140	12.0%
Treated water (0.75L)	NA ↗	175 ↗	105	115	130	120	120	120	120	0.0%
Soap (100g)	88	NA	130	134	135	129	140	150	150	0.0%
Laundry powder (100g)	50	NA	105	115	120	110	130	109	120	10.1%
Sanitary napkins (10 Pack)	250	NA	525	510	528	500	550	500	500	0.0%
Water trucking (1 m³)	825	1,700	1,875	1,900	1,500	1,358	1,450	1,875	2,500	33.3%

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

<sup>^</sup> 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



## OCTOBER 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	78	150	76	500	5875
Al Bayda	365	400	120	120	120	150	550	1400
Al Hudaydah	378	435	150	100	140	120	455	2500
Amanat Al Asimah	365	430	110	120	150	109	490	2000
Amran	365	*NA	120	450	150	100	575	950
Hajjah	500	500	150	175	150	150	550	2250
Ibb	*NA	*NA	150	100	150	100	313	1063
Lahj	355	390	155	100	120	96	500	1875
Sa'ada	365	390	100	120	120	150	550	5000
Sana'a	365	390	100	120	120	150	550	2896
Shabwah	375	405	100	750	125	110	500	1400
Taizz	400	425	150	100	150	120	500	2500

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

## ORIGIN OF GOODS BY GOVERNORATE

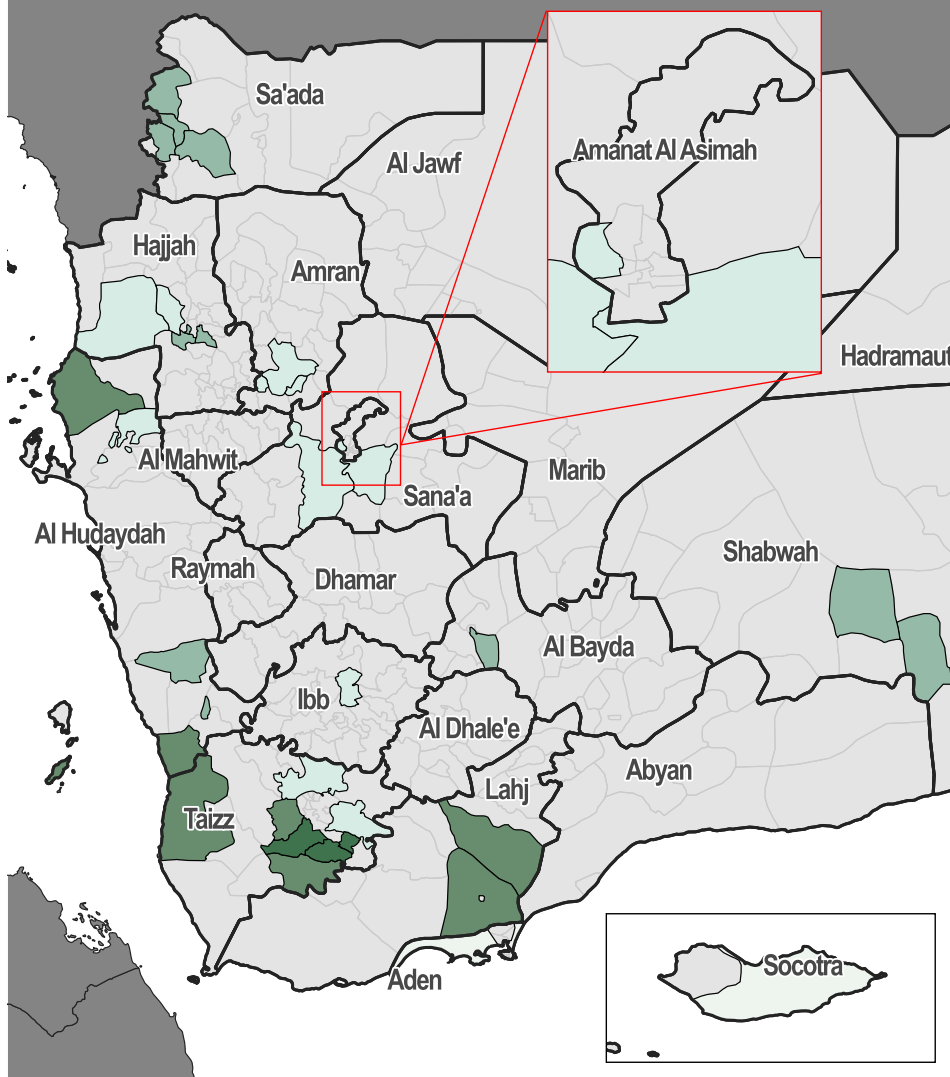
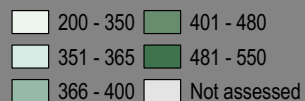
Governorate	Governorate Origin: Fuel	Governorate Origin: WASH
Aden	Aden	Aden
Al Bayda	al Hudaydah	al Hudaydah
Al Hudaydah	al Hudaydah	al Hudaydah
Amanat Al Asimah	al Hudaydah	Sana'a
Amran	al Hudaydah	Sana'a
Hajjah	Hajjah	Hajjah
Ibb	NA*	Ibb
Lahj	Aden	Aden
Sa'ada	al Hudaydah	al Hudaydah
Sana'a	al Hudaydah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

\* NAs were not answered by respondents



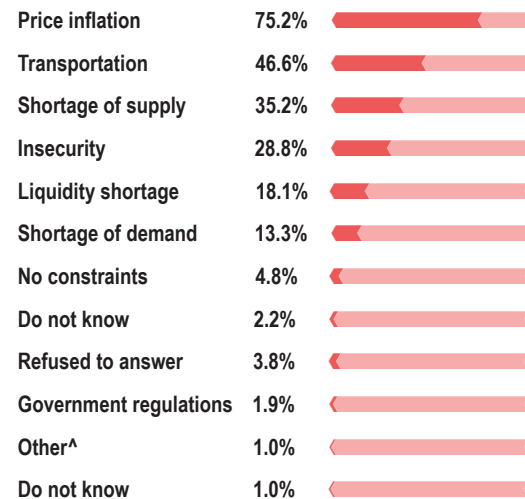
## Petrol Prices

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



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.

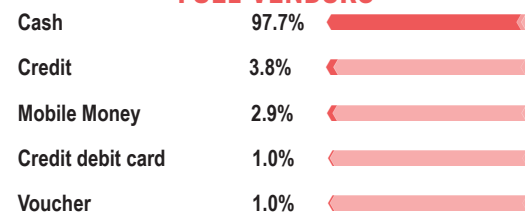
## MOST REPORTED CONSTRAINTS FOR: FUEL VENDORS\*



\*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\*



\* Payment modalities can add up to more than 100%

## MEDIAN PETROL PRICE BY DISTRICT (YER)

Governorate	District	Petrol Price
Aden	Ash Shaikh Outhman	350
Aden	Khur Maksar	350
Al Bayda	Rada'	365
Al Hudaydah	Al Khawkhah	380
Al Hudaydah	Al Qanawis	365

Governorate	District	Petrol Price
Al Hudaydah	Alluheyah	750
Al Hudaydah	Zabid	375
Amanat Al Asimah	As Sabain	365
Amanat Al Asimah	At Tahrir	365
Amanat Al Asimah	Ath'thaorah	365
Amran	Amran	365
Amran	Jabal Iyal Yazid	365
Hajjah	Abs	365
Hajjah	Al Mahabishah	500
Hajjah	Aslem	400
Hajjah	Bani Qa'is	*NA
Hajjah	Hajjah City	700
Hajjah	Ku'aydinah	365
Hajjah	Kuhlan Affar	*NA
Hajjah	Najrah	700
Hajjah	Qafi Shamer	700
Ibb	Al Makhadir	*NA
Lahj	Al Milah	360
Lahj	Tuban	350
Sa'ada	Saqayn	365
Sana'a	Bani Matar	365
Sana'a	Sanhan	365
Shabwah	Ataq	385
Shabwah	Habban	365
Taizz	Al Mukha	385
Taizz	Al Ma'afer	400
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

**74%** 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 **7,000 YER** and **9,500 YER** for an additional 10 km.

**69%** of water trucking vendor KIs stated that they sell non-chlorinated water.

**22%** of water trucking vendor KIs stated that they sell chlorinated water. Additionally, 9% of water trucking vendor KIs reported being unaware whether or not the water they sold was chlorinated.

**87%** of water trucking vendor KIs reported sourcing water from a pumping station or a borehole.

**7%** of water trucking vendor KIs reported sourcing water from a treatment station.

**4%** of water trucking vendor KIs reported sourcing water from a spring.

## PAYMENT MODALITIES ACCEPTED: WATER TRUCKING\*

Cash	98.7%	<div></div>
Credit	16.9%	<div></div>
Credit debit card	1.3%	<div></div>

\* Payment modalities can add up to more than 100%

## MEDIAN WATER TRUCKING PRICE BY DISTRICT (YER)

Governorate	District	Water Trucking Price
Aden	Ash Shaikh Outhman	6750
Aden	Khur Maksar	5000
Al Bayda	Rada'	1400
Al Hudaydah	Al Khawkhah	2500
Al Hudaydah	Al Qanawis	1200
Al Hudaydah	Alluheyah	9000

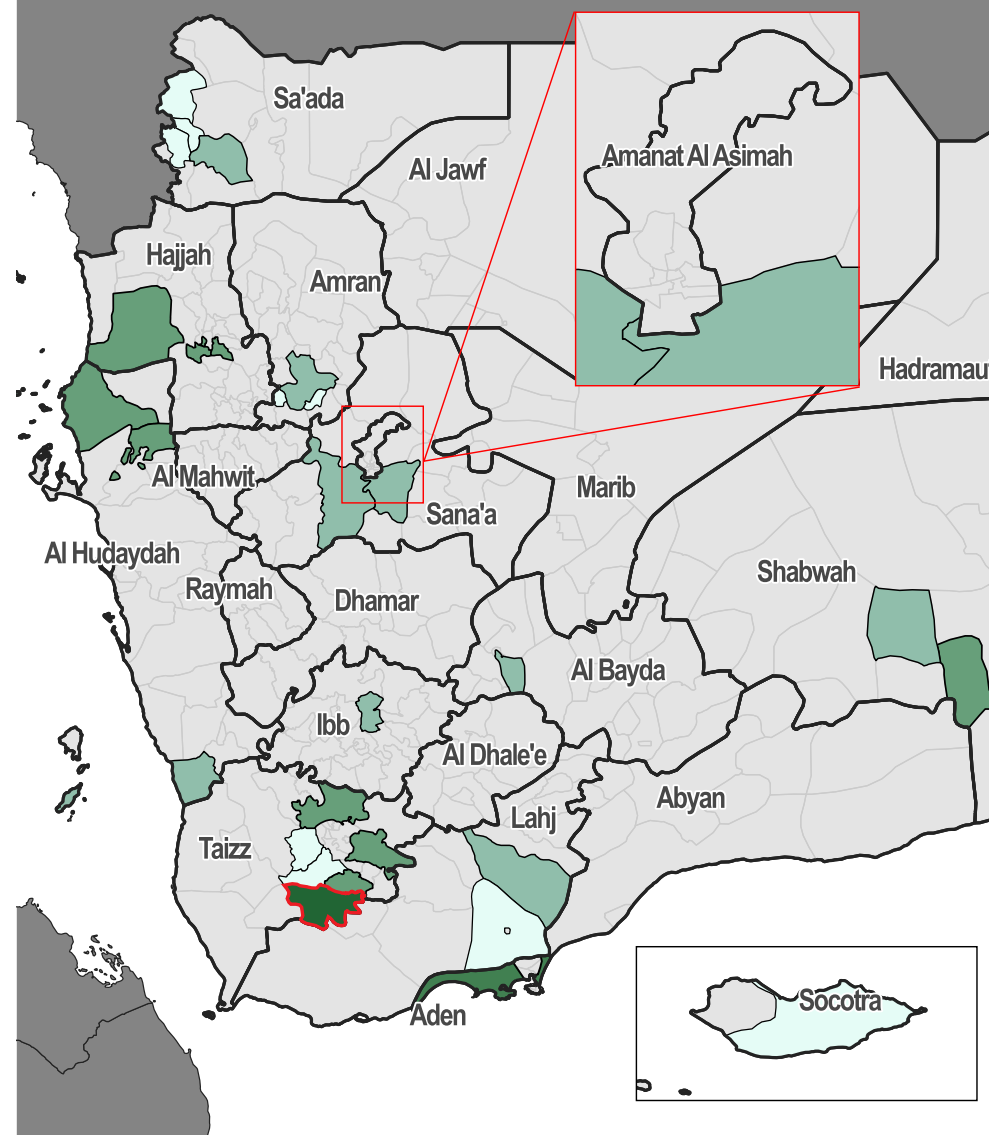
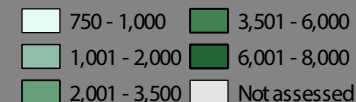
Governorate	District	Water Trucking Price
Al Hudaydah	Zabid	*NA
Amanat Al Asimah	As Sabain	3600
Amanat Al Asimah	At Tahrir	1200
Amanat Al Asimah	Ath'thaorah	2000
Amran	Amran	1000
Amran	Jabal Iyal Yazid	900
Hajjah	Abs	*NA
Hajjah	Al Mahabishah	5000
Hajjah	Aslem	1200
Hajjah	Bani Qa'is	*NA
Hajjah	Hajjah City	1400
Hajjah	Ku'aydinah	2250
Hajjah	Kuhlan Affar	12000
Hajjah	Najrah	1500
Hajjah	Qafil Shamer	4000
Ibb	Al Makhadir	1062.5
Lahj	Al Milah	1750
Lahj	Tuban	2000
Sa'ada	Saqayn	5000
Sana'a	Bani Matar	1625
Sana'a	Sanhan	4167
Shabwah	Ataq	1400
Shabwah	Habban	1400
Taizz	Al Mukha	1600
Taizz	Al Ma'afer	2750
Taizz	Al Mawasit	2500
Taizz	Ash Shamayatayn	3500
Taizz	At Ta'iziyah	2333
Taizz	Dimnat Khadir	2000
Taizz	Jabal Habashy	5500

^Outliers 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 <sup>A</sup>
Aden	Ash Shaikh Outhman	Aden	2 / 10
Aden	Khur Maksar	Aden	2 / 11
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	Al Hudaydah	12 / 12
Amanat Al Asimah	As Sabain	Al Hudaydah	4 / 10
Amanat Al Asimah	At Tahrir	Al Hudaydah	4 / 10
Amanat Al Asimah	Ath'thaorah	Al Hudaydah	3 / 3
Amran	Amran	Al Hudaydah	2 / 5
Amran	Jabal Iyal Yazid	Al Hudaydah	2 / 5
Hajjah	Abs	Al Hudaydah	3 / 3
Hajjah	Al Mahabishah	Hajjah	3 / 3
Hajjah	Aslem	Hajjah	3 / 3
Hajjah	Bani Qa'is	NA ~	0 / 3
Hajjah	Hajjah City	Al Hudaydah	1 / 3
Hajjah	Ku'aydinah	Al Hudaydah	3 / 6

Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed <sup>A</sup>
Hajjah	Kuhlan Affar	NA ~	0 / 3
Hajjah	Najrah	Do Not Know	3 / 8
Hajjah	Qafil Shamer	Hajjah	3 / 3
Ibb	Al Makhadir	NA ~	0 / 8
Lahj	Al Milah	Aden	1 / 3
Lahj	Tuban	Aden	4 / 10
Sa'ada	Saqayn	Al Hudaydah	3 / 3
Sana'a	Bani Matar	Al Hudaydah	4 / 4
Sana'a	Sanhan	Al Hudaydah	3 / 3
Shabwah	Ataq	Hadramaut	3 / 3
Shabwah	Habban	Hadramaut	2 / 3
Taizz	Al Mukha	Aden	5 / 5
Taizz	Al Ma'afer	Taizz	1 / 8
Taizz	Al Mawasit	Aden	1 / 7
Taizz	Ash Shamayatayn	Taizz	3 / 3
Taizz	At Ta'iziyah	Do Not Know	4 / 4
Taizz	Dimnat Khadir	Do Not Know	3 / 5
Taizz	Jabal Habashy	Taizz	6 / 16

<sup>A</sup>If 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.

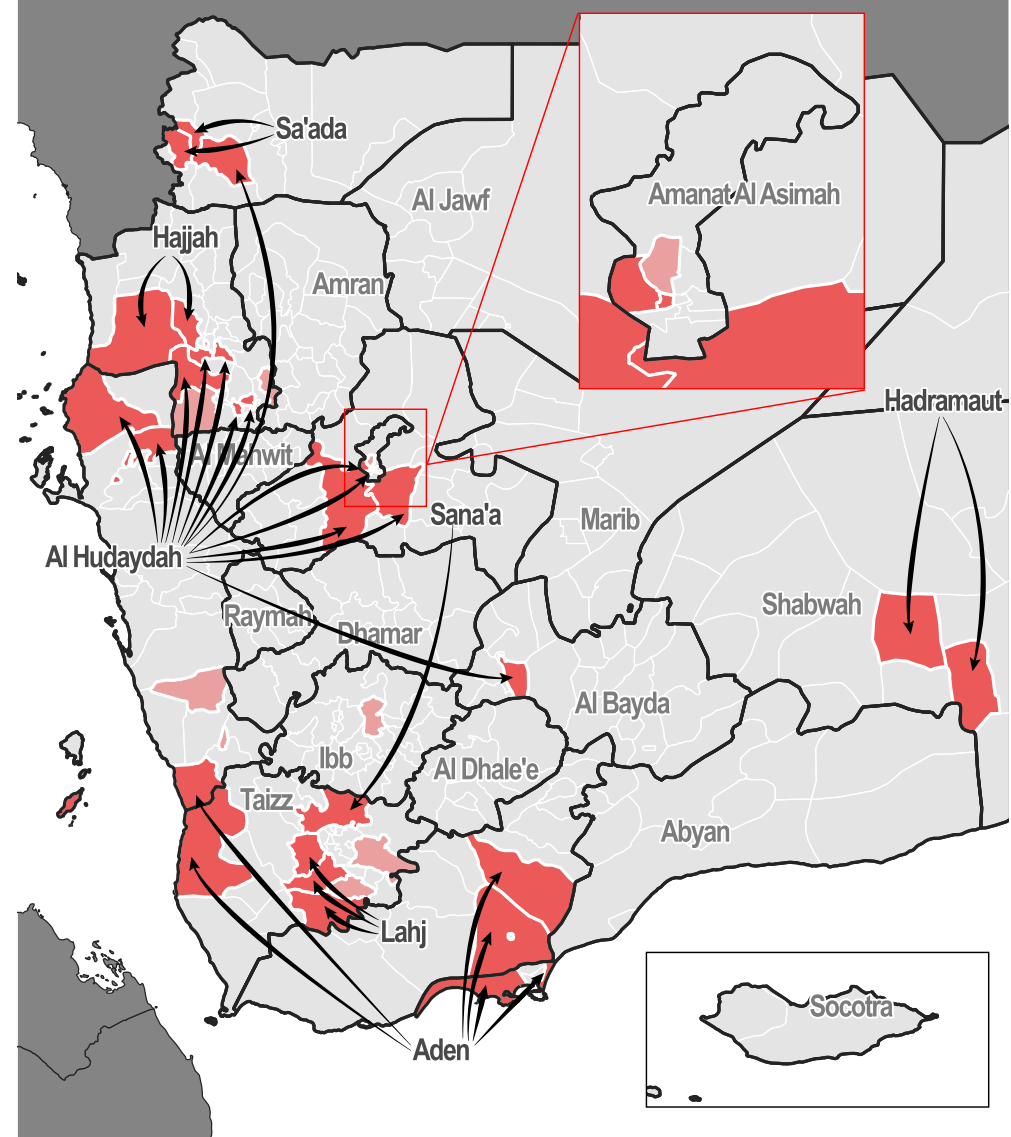
\*The map shows fuel supply chain inside the same governorate and towards other governorates. Districts without a main supplier are those where vendor KIs could not identify the origin of the fuel they sold.

~ 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



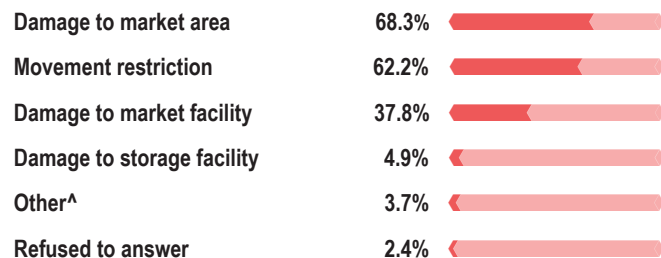


# SUPPLY CHAIN OVERVIEW FOR YEMEN

## 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\*



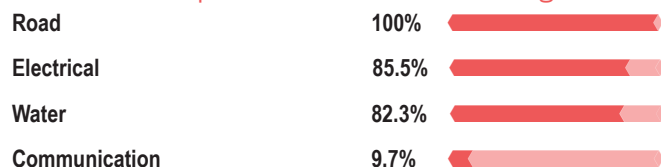
^Changes is the exchange rate

\*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\*



\*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	380	400	150	100	500
al Hudaydah	365	430	120	120	550

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 SEPTEMBER 2019 IN BRACKETS -

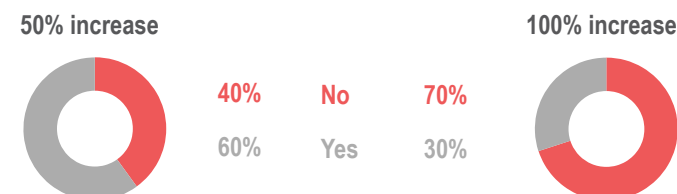
Governorate	Fuel Items	WASH Items
Aden	2 (0)	2 (0)
al Bayda	3 (0)	3 (0)
al Hudaydah	6 (-2)	5 (-1)
Amanat al Asimah	5 (1)	2 (0)
Amran	4 (4)	2 (2)
Hajjah	8 (3)	8 (5)
Ibb	*NA	1 (-1)
Lahj	4 (-3)	5 (0)
Sa'ada	3 (-2)	3 (-2)
Sana'a	3 (0)	3 (0)
Shabwah	6 (4)	2 (1)
Taizz	4 (1)	3 (-1)

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

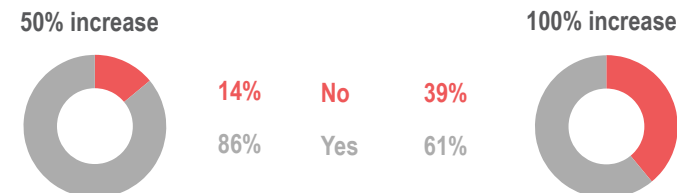
## VENDOR CAPACITY TO RESPOND TO A SUDDEN INCREASE IN DEMAND

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.

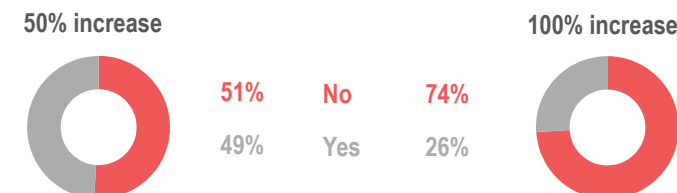
### Vendor capacity to respond to a 50% and 100% increase in demand for fuel items



### 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.

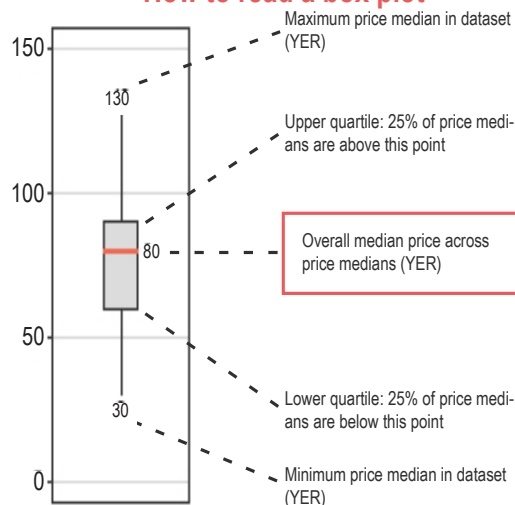
### LIMITATIONS

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](http://www.reach-initiative.org), contact us directly at [yemen@reach-initiative.org](mailto: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	2
al Bayda	1
al Hudaydah	4
Amanat al Asimah	3
Amran	2
Hajjah	9
Ibb	1
Lahj	2
Sa'ada	1
Sana'a	2
Shabwah	2
Taizz	7

### PARTICIPATING PARTNERS INCLUDE

