



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 **17 Nov - 3 Dec**

11 Participating partners

47 Districts assessed

246 Vendor KIs surveyed

KEY FINDINGS

In November 2019, the trend of appreciation of the Yemeni Riyal (YER) against the US Dollar (USD) continued, with the YER losing 2.4% on the parallel market.

250
USD/YER
Official
► **0.0%**

570
USD/YER
Parallel market*
▼ **-2.4%**

584
USD/YER
Previous Parallel Market
Rate October 2019

KEY PRICE FIGURES

Between October 2019 and November 2019, the price for water trucking saw the largest decrease of 40%, which had an impact on the total SMEB. The prices of diesel and treated water did increase, however petrol, soap, and sanitary napkins all stayed at October 2019 prices.

Petrol Price (1L)	365 YER	►	0.0%
Diesel Price (1L)	413 YER	▲	+2.0%
Bottled Water Price (0.75L)	138 YER	▼	-1.4%
Treated Water Price (10L)	130 YER	▲	+8.3%
Water Trucking Price (1m³)	1,500 YER	▼	-40.0%
Soap (100g)	150 YER	►	0.0%
Sanitary Napkins (10 Pack)	500 YER	►	0.0%
Laundry Powder (100 g)	113 YER	▼	-5.8%

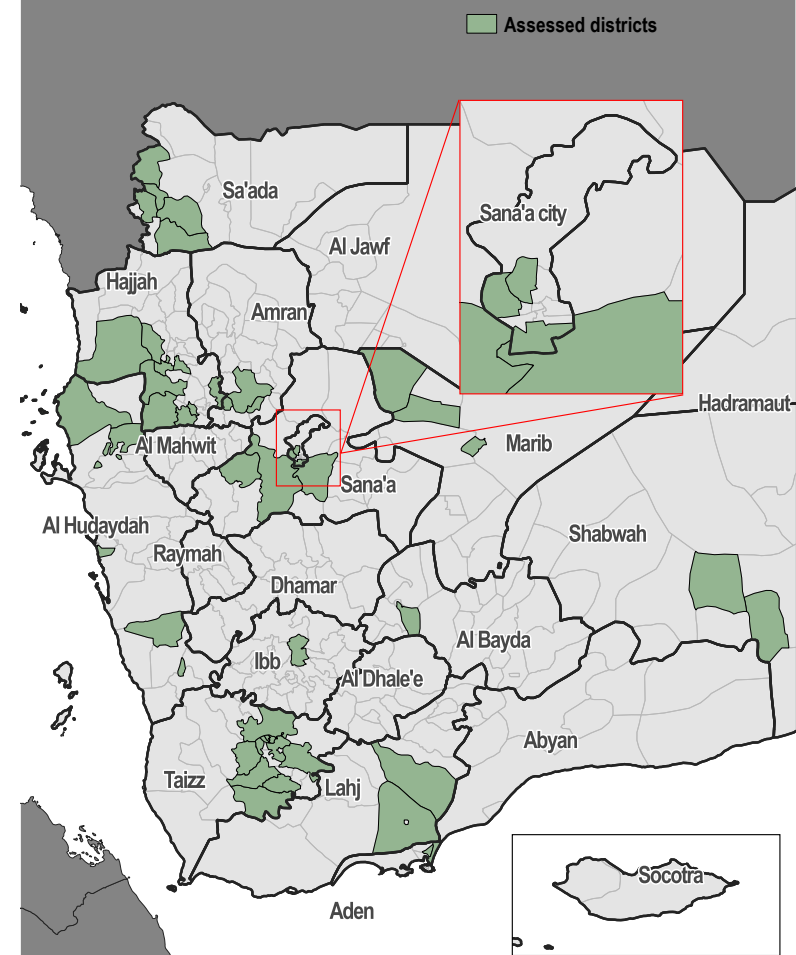
WASH SMEB

The median cost for the WASH SMEB was calculated to be 9,545 YER, marking a decrease of 26.4% from the cost observed in October 2019.

Nov 9,545 YER / Oct 12,850 YER ▼ 3,305 YER -26.4%

*177 of the 246 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 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.

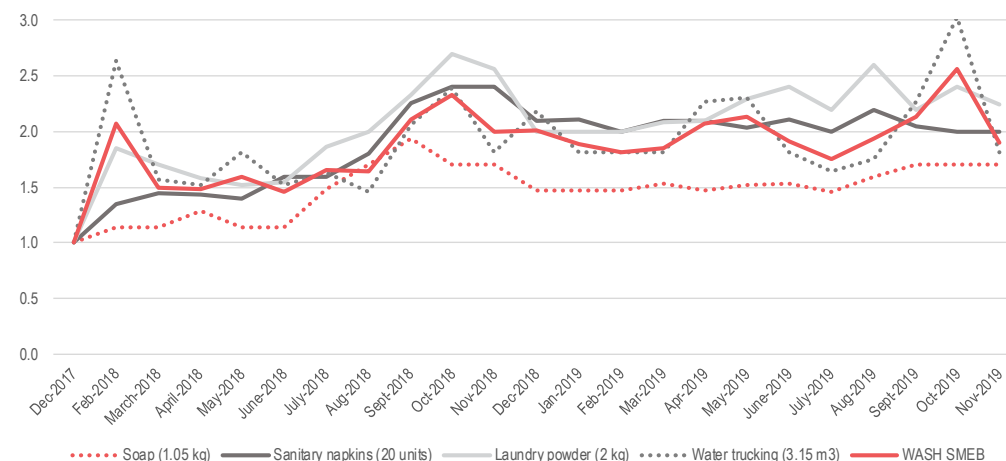
The cost of the WASH SMEB can be used as a proxy for the financial burdens, relative to WASH items, a household is facing in different locations. The WASH SMEB components were defined by the CMWG in consultation with relevant sector leads.

MEDIAN COST OF WASH SMEB IN NOVEMBER

9,545 YER

WASH SMEB PRICE INDEX

Since September 2017 (normalized, September 2017 = 1.00)



Change since
May 2019

▲ 1,165 YER
+10.8%

Change since
October 2019

▼ 3,305 YER
-26.4%

RATE OF VENDORS ACCEPTING CREDIT AS PAYMENT, BY TYPE

Vendor Source	Sept 2019	Oct 2019	Nov 2019
Fuel	11.1%	3.8%	6.7%
WASH	17.6%	20.6%	22.8%
Water Trucking	8.8%	16.8%	9.4%

MEDIAN EXCHANGE RATE, BY GOVERNORATE

Governorate	Sept 2019	Oct 2019	Nov 2019
Aden	603	593	573
Al Bayda	600	590	N/A
Al Hudaydah	600	583	570
Amran	NA	586	571
Hajjah	598	584	570
Ibb	590	575	569
Lahj	604	593	570
Marib	NA	NA	578
Sa'ada	605	590	590
Sana'a	600	580	570
Sana'a City	600	583	575
Shabwah	608	590	576
Taizz	604	570	572

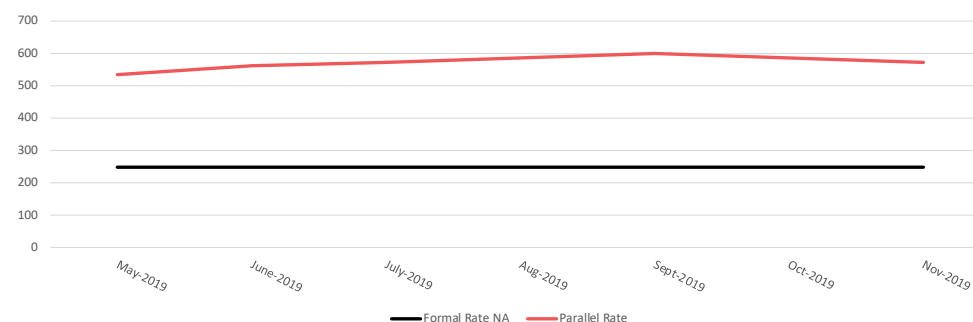
MEDIAN WASH SMEB PRICES, BY GOVERNORATE: 6-Month and 1-Month (YER)

Governorate	Soap (10.5 kg)	Laundry powder (2 kg)	Sanitary napkins (20 units)	Water trucking (3.15 m³)	WASH SMEB Nov-19	Change since May-19	Change since Oct-19
Aden	1575	1500	1000	9450	13525	329.4%	-40.2%
Al Bayda	NA	NA	NA	1890	NA	N/A*	N/A*
Al Hudaydah	1575	2600	1000	9450	14625	209.5%	15.6%
Amran	1733	2090	1000	2914	7736	133.9%	0.2%
Hajjah	1575	2400	1000	9450	14425	45.4%	13.0%
Ibb	1260	1710	1000	4048	8018	97.9%	6.2%
Lahj	1575	1910	1100	4725	9310	195.5%	-10.4%
Marib	3150	3000	1200	15750	23100	N/A^	N/A^
Sa'ada	1365	3600	1400	3623	9988	-9.4%	-52.7%
Sana'a	1575	4000	1400	2520	9495	58.6%	-34.4%
Sana'a City	1575	2180	980	3150	7885	72.6%	-28.5%
Shabwah	1365	2500	1167	6773	11805	92.9%	32.3%
Taizz	1838	2200	1000	9450	14488	130.0%	12.7%

* Not enough data in November

^ No SMEB data was collected for these months (Marib in May and October)

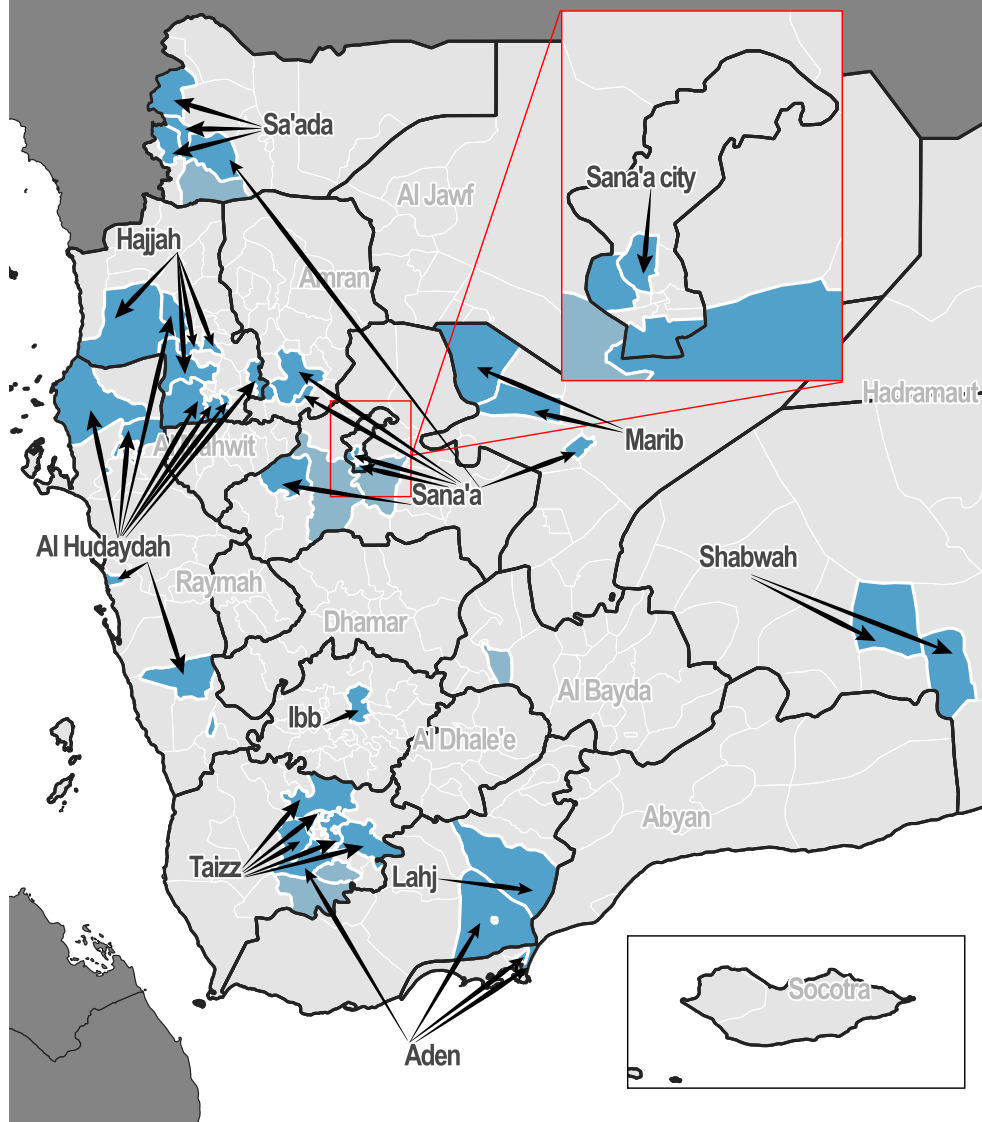
EXCHANGE RATE INDEX



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

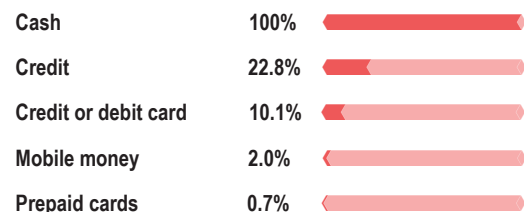
Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed ^A	Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed ^A
Aden	Ash Shaikh Outhman	Aden	4 / 10	Sa'ada	Ghamr	Sa'ada	3 / 3
Aden	Khur Maksar	Aden	2 / 5	Sa'ada	Haydan	Do Not Know	3 / 5
Al Bayda	Rada'	NA ~	0 / 4	Sa'ada	Monabbih	Sa'ada	3 / 3
Al Hudaydah	Al Hawak	Al Hudayduh	3 / 3	Sa'ada	Razih	Sa'ada	3 / 3
Al Hudaydah	Al Qanawis	Al Hudayduh	3 / 3	Sa'ada	Saqayn	Sana'a	4 / 5
Al Hudaydah	Alluheyah	Al Hudayduh	3 / 3	Sana'a	Al Haymah Ad Dakhiliyah	Sana'a	1 / 3
Al Hudaydah	Zabid	Al Hudayduh	11 / 11	Sana'a	Bani Matar	Do Not Know	4 / 5
Amran	Amran	Sana'a	3 / 7	Sana'a	Sanhan	Do Not Know	1 / 3
Amran	Jabal Iyal Yazid	Sana'a	1 / 3	Sana'a City	As Sabain	Sana'a	2 / 5
Hajjah	Abs	Hajjah	3 / 3	Sana'a City	Ath'thaorah	Sana'a City	3 / 3
Hajjah	Al Mahabishah	Hajjah	3 / 3	Sana'a City	Ma'ain	Sana'a	2 / 5
Hajjah	Ash Shaghdirah	Al Hudayduh	2 / 5	Shabwah	Ataq	Shabwah	5 / 5
Hajjah	Aslem	Al Hudayduh	5 / 5	Shabwah	Habban	Shabwah	3 / 3
Hajjah	Bani Qa'is	Al Hudayduh	2 / 5	Taizz	Al Ma'afer	Aden	2 / 7
Hajjah	Ku'aydinah	Hajjah	6 / 6	Taizz	Al Mawasit	NA ~	2 / 7
Hajjah	Kuhlan Affar	Al Hudayduh	2 / 5	Taizz	Al Mudhaffar	Refused to Answer	1 / 3
Hajjah	Najrah	Al Hudayduh	2 / 5	Taizz	Al Qahirah	Taizz	1 / 3
Hajjah	Qafil Shamer	Hajjah	3 / 3	Taizz	Ash Shamayatayn	NA ~	4 / 4
Ibb	Al Makhadir	Ibb	4 / 10	Taizz	At Ta'iziyah	Taizz	6 / 6
Lahj	Al Milah	Lahj	1 / 3	Taizz	Dimnat Khadir	Taizz	9 / 9
Lahj	Tuban	Aden	4 / 10	Taizz	Jabal Habashy	Taizz	14 / 14
Marib	Majzar	Marib	1 / 3	Taizz	Sabir Al Mawadim	Taizz	2 / 3
Marib	Marib City	Sana'a	1 / 14	Taizz	Salh	NA ~	0 / 3
Marib	Medghal	Marib	2 / 7				

^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.

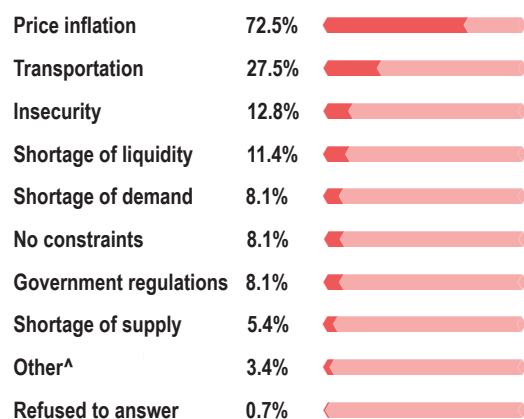
~ WASH prices and vendors were not available in specific district
Do Not Know was a potential option that could be selected by respondents

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.

[^]Includes lack of fuel, power outages, and monopolistic pricing

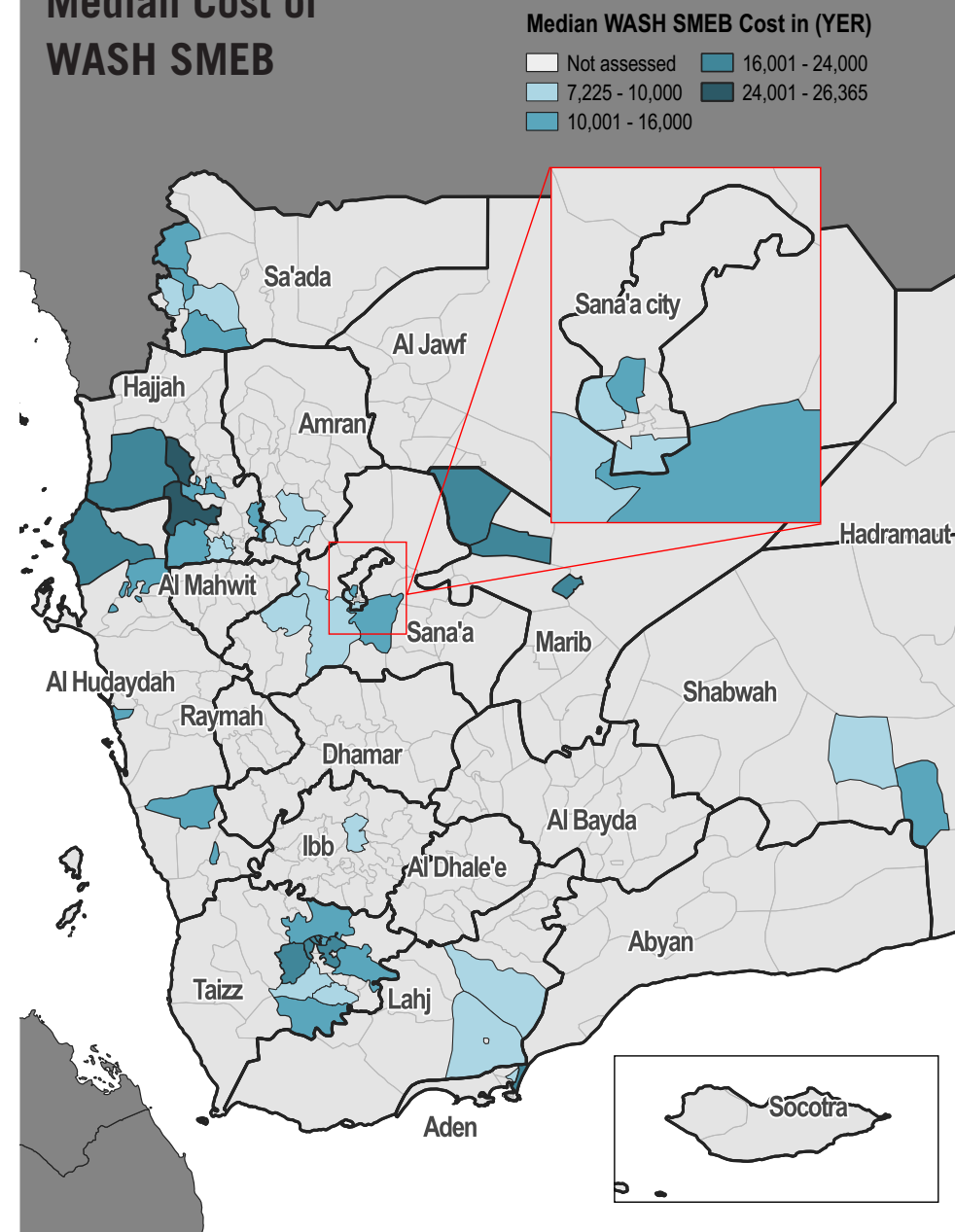
MEDIAN WASH SMEB COST BY DISTRICT (YER)

Governorate	District	SMEB Cost
Aden	Ash Shaikh Outhman	7225
Aden	Khur Maksar	19825
Al Bayda	Rada'	NA
Al Hudaydah	Al Hawak	15025
Al Hudaydah	Al Qanawis	11075
Al Hudaydah	Alluheyah	17575
Al Hudaydah	Zabid	14520

Governorate	District	SMEB Cost
Amran	Amran	7568
Amran	Jabal Iyal Yazid	7905
Hajjah	Abs	16915
Hajjah	Al Mahabishah	13529
Hajjah	Ash Shaghadirah	9700
Hajjah	Aslem	24885
Hajjah	Bani Qa'is	11475
Hajjah	Ku'aydinah	26365
Hajjah	Kuhlan Affar	12650
Hajjah	Najrah	9700
Hajjah	Qafil Shamer	15400
Ibb	Al Makhadir	8018
Lahj	Al Milah	9320
Lahj	Tuban	9300
Marib	Majzar	23100
Marib	Marib City	23100
Marib	Medghal	23100
Sa'ada	Ghamr	10130
Sa'ada	Haydan	11734
Sa'ada	Monabbih	13105
Sa'ada	Razih	9545
Sa'ada	Saqayn	9988
Sana'a	Al Haymah Ad Dakhiliyah	9765
Sana'a	Bani Matar	9495
Sana'a	Sanhan	10023
Sana'a City	As Sabain	7855
Sana'a City	Ath'thaorah	10855
Sana'a City	Ma'ain	7255
Shabwah	Ataq	9175
Shabwah	Habban	14434
Taizz	Al Ma'afer	9300
Taizz	Al Mawasit	9700
Taizz	Al Mudhaffar	18160
Taizz	Al Qahirah	17638
Taizz	Ash Shamayatayn	15330
Taizz	At Ta'iziyah	14186
Taizz	Dimnat Khadir	14512
Taizz	Jabal Habashy	22403
Taizz	Sabir Al Mawadim	16721
Taizz	Salh	14488

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

Median Cost of WASH SMEB



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

Yemen Joint Market Monitoring Initiative (JMIMI), November 2019

PRICE MONITORING OVERVIEW FOR YEMEN

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

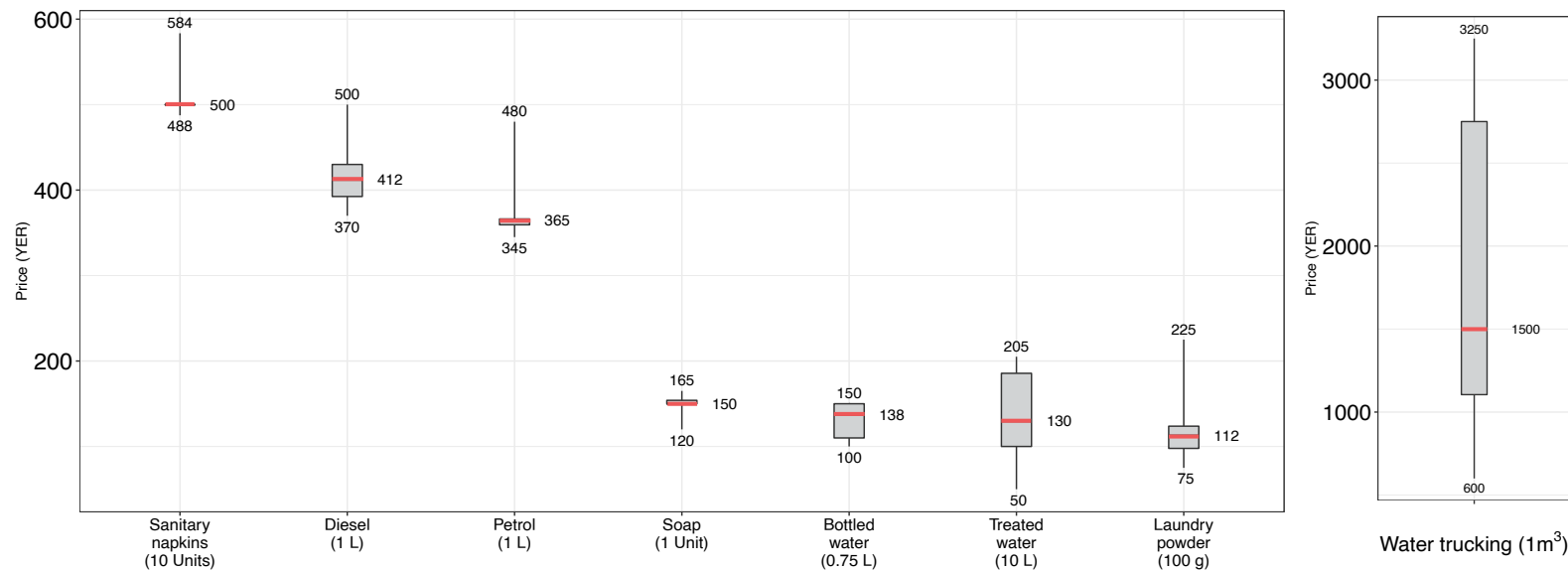
Item	September 2017 (baseline) [^]	November 2017 [^]	May 2019	June 2019	July 2019	Aug 2019	Sept 2019	Oct 2019	Nov 2019	% Change (Oct-Nov)
Petrol (1L)	275	349	365	365	365	370	368	365	365	0.0%
Diesel (1L)	235	394	409	400	410	401	400	405	413	+2.0%
Bottled Water (.75L)	70	100	115	130	128	138	125	140	138	-1.4%
Treated Water (10L)	NA ↗	175 ↗	115	130	120	120	120	120	130	+8.3%
Soap (1 Unit)	88	NA	134	135	129	140	150	150	150	0.0%
Laundry Powder (100g)	50	NA	115	120	110	130	109	120	113	-5.8%
Sanitary Napkins (10)	250	NA	510	528	500	550	500	500	500	0.0%
Water Trucking (1m³)	825	1,700	1,900	1,500	1,358	1,450	1,875	2,500	1,500	-40.0%

* 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



NOVEMBER 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	80	150	75	500	3000
Al Bayda	370	413	NA	NA	NA	NA	NA	600
Al Hudaydah	428	500	150	100	150	130	500	3000
Amran	365	430	120	200	165	105	500	925
Hajjah	375	440	150	150	150	120	500	3000
Ibb	365	430	150	NA	120	86	500	1285
Lahj	350	385	138	100	150	96	550	1500
Marib	NA	NA	100	125	300	150	600	5000
Sa'ada	365	480	140	190	130	180	700	1150
Sana'a	365	420	100	180	150	200	700	800
Sana'a City	365	430	120	120	150	109	490	1000
Shabwah	345	370	100	50	130	125	584	2150
Taizz	365	375	150	100	175	110	500	3000

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

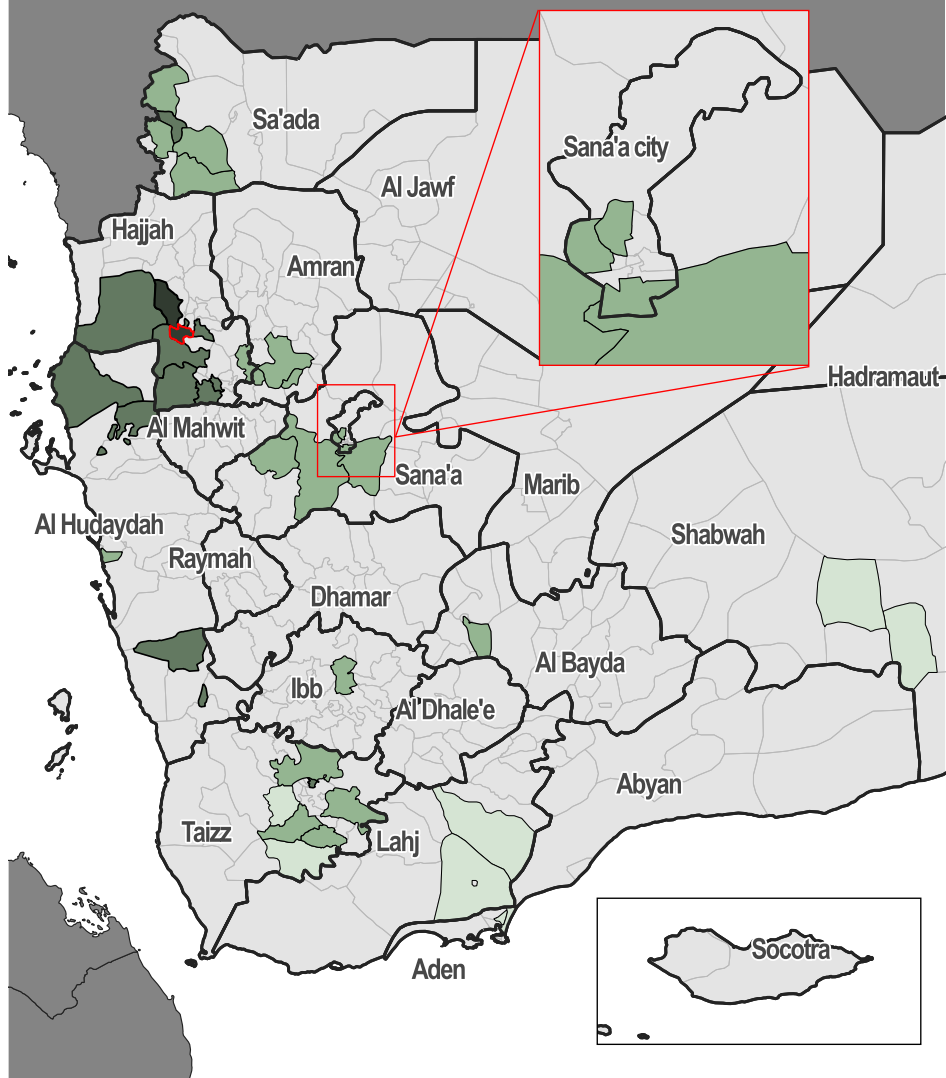
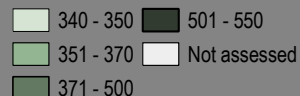
ORIGIN OF GOODS BY GOVERNORATE

Governorate	Governorate Origin: Fuel	Governorate Origin: WASH
Aden	Aden	Aden
Al Bayda	Do Not Know	NA
Al Hudaydah	al Hudaydah	al Hudaydah
Amran	al Hudaydah	Sana'a
Hajjah	Hajjah	Hajjah
Ibb	al Hudaydah	Ibb
Lahj	Aden	Aden
Marib	Do Not Know	Marib
Sa'ada	Do Not Know	Sa'ada
Sana'a	Do Not Know	Do Not Know
Sana'a City	al Hudaydah	Sana'a
Shabwah	Hadramaut	Shabwah
Taizz	Lahj	Taizz

* NAs were not answered by respondents

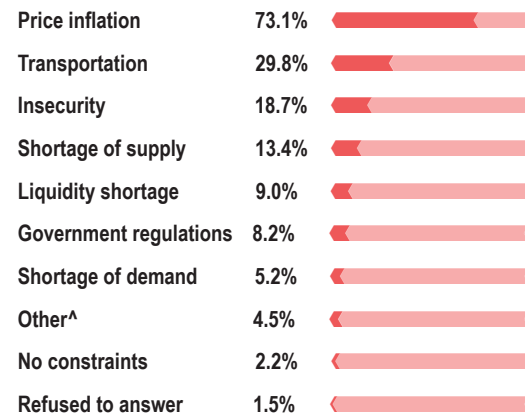
Petrol Prices

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.

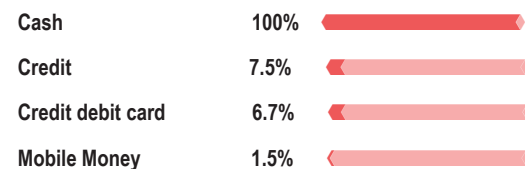
MOST REPORTED CONSTRAINTS FOR: FUEL VENDORS*



[^]Includes taxes, electricity, and currency fluctuations

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

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'	370
Al Hudaydah	Al Hawak	365
Al Hudaydah	Al Qanawis	500
Al Hudaydah	Alluheyah	480
Al Hudaydah	Zabid	375
Amran	Amran	365

Governorate	District	Petrol Price
Amran	Jabal Iyal Yazid	365
Hajjah	Abs	375
Hajjah	Al Mahabishah	375
Hajjah	Ash Shaghadirah	375
Hajjah	Aslem	525
Hajjah	Bani Qa'is	375
Hajjah	Ku'aydinah	500
Hajjah	Kuhlan Affar	365
Hajjah	Najrah	375
Hajjah	Qafil Shamer	550
Ibb	Al Makhadir	365
Lahj	Al Milah	350
Lahj	Tuban	350
Marib	Majzar	NA
Marib	Marib City	NA
Marib	Medghal	NA
Sa'ada	Ghamr	380
Sa'ada	Haydan	365
Sa'ada	Monabbih	360
Sa'ada	Razih	370
Sa'ada	Saqayn	365
Sana'a	Al Haymah Ad Dakhiliyah	365
Sana'a	Bani Matar	365
Sana'a	Sanhan	365
Sana'a City	As Sabain	365
Sana'a City	Ath'thaorah	365
Sana'a City	Ma'ain	365
Shabwah	Ataq	350
Shabwah	Habban	340
Taizz	Al Ma'afer	365
Taizz	Al Mawasit	360
Taizz	Al Mudhaffar	NA
Taizz	Al Qahirah	NA
Taizz	Ash Shamayatayn	350
Taizz	At Ta'iziyah	365
Taizz	Dimnat Khadir	365
Taizz	Jabal Habashy	350
Taizz	Sabir Al Mawadim	NA
Taizz	Salh	375

[^]Bold Red indicates an outlier

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

OVERVIEW OF WATER TRUCKING

61% 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 **5,000 YER** and **7,000 YER** for an additional 10 km.

63% of water trucking vendor KIs stated that they sell non-chlorinated water.

21% of water trucking vendor KIs stated that they sell chlorinated water. Additionally, 17% of water trucking vendor KIs reported being unaware whether or not the water they sold was chlorinated.

88% of water trucking vendor KIs reported sourcing water from a pumping station or a borehole.

2% of water trucking vendor KIs reported sourcing water from a treatment station.

8% of water trucking vendor KIs reported sourcing water from a spring.

PAYMENT MODALITIES ACCEPTED: WATER TRUCKING*

Cash	100%	<div></div>
Credit debit card	13.5%	<div></div>
Credit	9.4%	<div></div>

* Payment modalities can add up to more than 100%

MEDIAN WATER TRUCKING PRICE BY DISTRICT (YER)

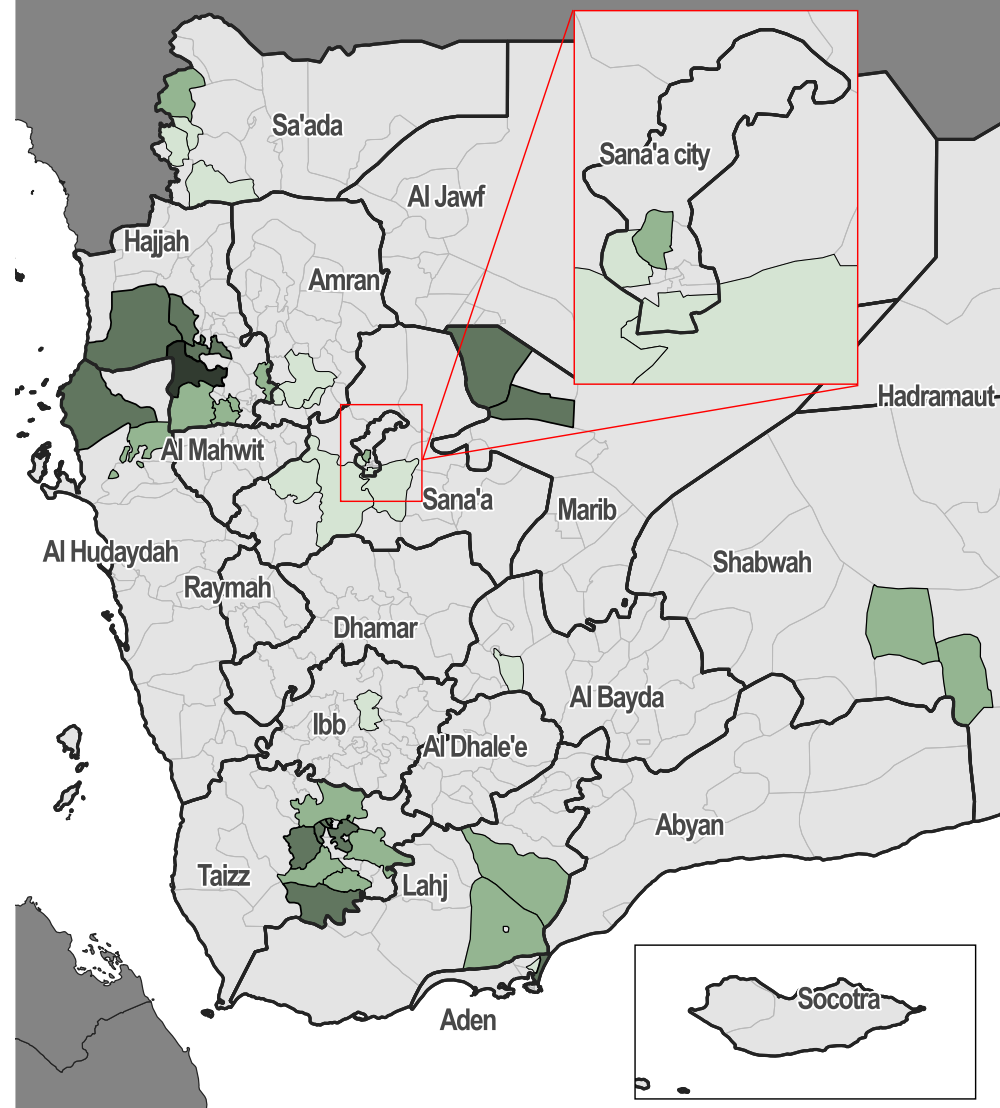
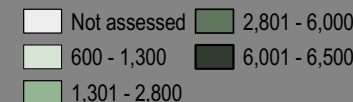
Governorate	District	Water Trucking Price
Aden	Ash Shaikh Outhman	1000
Aden	Khur Maksar	5000
Al Bayda	Rada'	600
Al Hudaydah	Al Hawak	NA
Al Hudaydah	Al Qanawis	2000
Al Hudaydah	Alluheyah	4000
Al Hudaydah	Zabid	NA
Amran	Amran	950
Amran	Jabal Iyal Yazid	900

Governorate	District	Water Trucking Price
Hajjah	Abs	3500
Hajjah	Al Mahabishah	3000
Hajjah	Ash Shaghadirah	1500
Hajjah	Aslem	6000
Hajjah	Bani Qa'is	2000
Hajjah	Ku'aydinah	6500
Hajjah	Kuhlan Affar	2500
Hajjah	Najrah	1500
Hajjah	Qafil Shamer	3500
Ibb	Al Makhadir	1285
Lahj	Al Milah	1500
Lahj	Tuban	1500
Marib	Majzar	5000
Marib	Marib City	NA
Marib	Medghal	5000
Sa'ada	Ghamr	1100
Sa'ada	Haydan	625
Sa'ada	Monabbih	2200
Sa'ada	Razih	1200
Sa'ada	Saqayn	NA
Sana'a	Al Haymah Ad Dakhiliyah	1000
Sana'a	Bani Matar	800
Sana'a	Sanhan	650
Sana'a City	As Sabain	1000
Sana'a City	Ath'thaorah	1800
Sana'a City	Ma'ain	800
Shabwah	Ataq	1500
Shabwah	Habban	2800
Taizz	Al Ma'afer	1500
Taizz	Al Mawasit	1500
Taizz	Al Mudhaffar	4000
Taizz	Al Qahirah	4000
Taizz	Ash Shamayatayn	3500
Taizz	At Ta'iziyah	2500
Taizz	Dimnat Khadir	2500
Taizz	Jabal Habashy	6000
Taizz	Sabir Al Mawadim	3000
Taizz	Salh	NA

*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	Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed ^A
Aden	Ash Shaikh Outhman	Aden	2 / 10	Sa'ada	Ghamr	Sa'ada	3 / 3
Aden	Khur Maksar	Aden	1 / 5	Sa'ada	Haydan	Do Not Know	5 / 5
Al Bayda	Rada'	Do Not Know	4 / 4	Sa'ada	Monabbih	Sa'ada	3 / 3
Al Hudaydah	Al Hawak	Al Hudayduh	3 / 3	Sa'ada	Razih	Sa'ada	3 / 3
Al Hudaydah	Al Qanawis	Al Hudayduh	3 / 3	Sa'ada	Saqayn	Do Not Know	5 / 5
Al Hudaydah	Alluheyah	Al Hudayduh	3 / 3	Sana'a	Al Haymah Ad Dakhiliyah	Sana'a	1 / 3
Al Hudaydah	Zabid	Al Hudayduh	11 / 11	Sana'a	Bani Matar	Do Not Know	5 / 5
Amran	Amran	Al Hudayduh	3 / 7	Sana'a	Sanhan	Do Not Know	3 / 3
Amran	Jabal Iyal Yazid	Al Hudayduh	1 / 3	Sana'a City	As Sabain	Al Hudayduh	2 / 5
Hajjah	Abs	Hajjah	3 / 3	Sana'a City	Ath'thaorah	Al Hudayduh	3 / 3
Hajjah	Al Mahabishah	Al Hudayduh	2 / 3	Sana'a City	Ma'ain	Al Hudayduh	2 / 5
Hajjah	Ash Shaghadirah	Al Hudayduh	2 / 5	Shabwah	Ataq	Hadramaut	5 / 5
Hajjah	Aslem	Hajjah	3 / 5	Shabwah	Habban	Shabwah	3 / 3
Hajjah	Bani Qa'is	Al Hudayduh	2 / 5	Taizz	Al Ma'afer	Lahj	2 / 7
Hajjah	Ku'aydinah	Hajjah	5 / 6	Taizz	Al Mawasit	Lahj	1 / 7
Hajjah	Kuhlan Affar	Al Hudayduh	2 / 5	Taizz	Al Mudhaffar	NA [~]	0 / 3
Hajjah	Najrah	Al Hudayduh	2 / 5	Taizz	Al Qahirah	NA [~]	0 / 3
Hajjah	Qafi Shamer	Hajjah	3 / 3	Taizz	Ash Shamayatayn	Lahj	4 / 4
Ibb	Al Makhadir	Al Hudayduh	2 / 10	Taizz	At Ta'iziyah	NA [~]	5 / 6
Lahj	Al Milah	Aden	1 / 3	Taizz	Dimnat Khadir	Sana'a	8 / 9
Lahj	Tuban	Aden	4 / 10	Taizz	Jabal Habashy	Lahj	7 / 14
Marib	Majzar	Do Not Know	1 / 3	Taizz	Sabir Al Mawadim	NA [~]	0 / 3
Marib	Marib City	NA [~]	0 / 14	Taizz	Salh	Aden	1 / 3
Marib	Medghal	NA [~]	0 / 7				

^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.

^BThe 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.

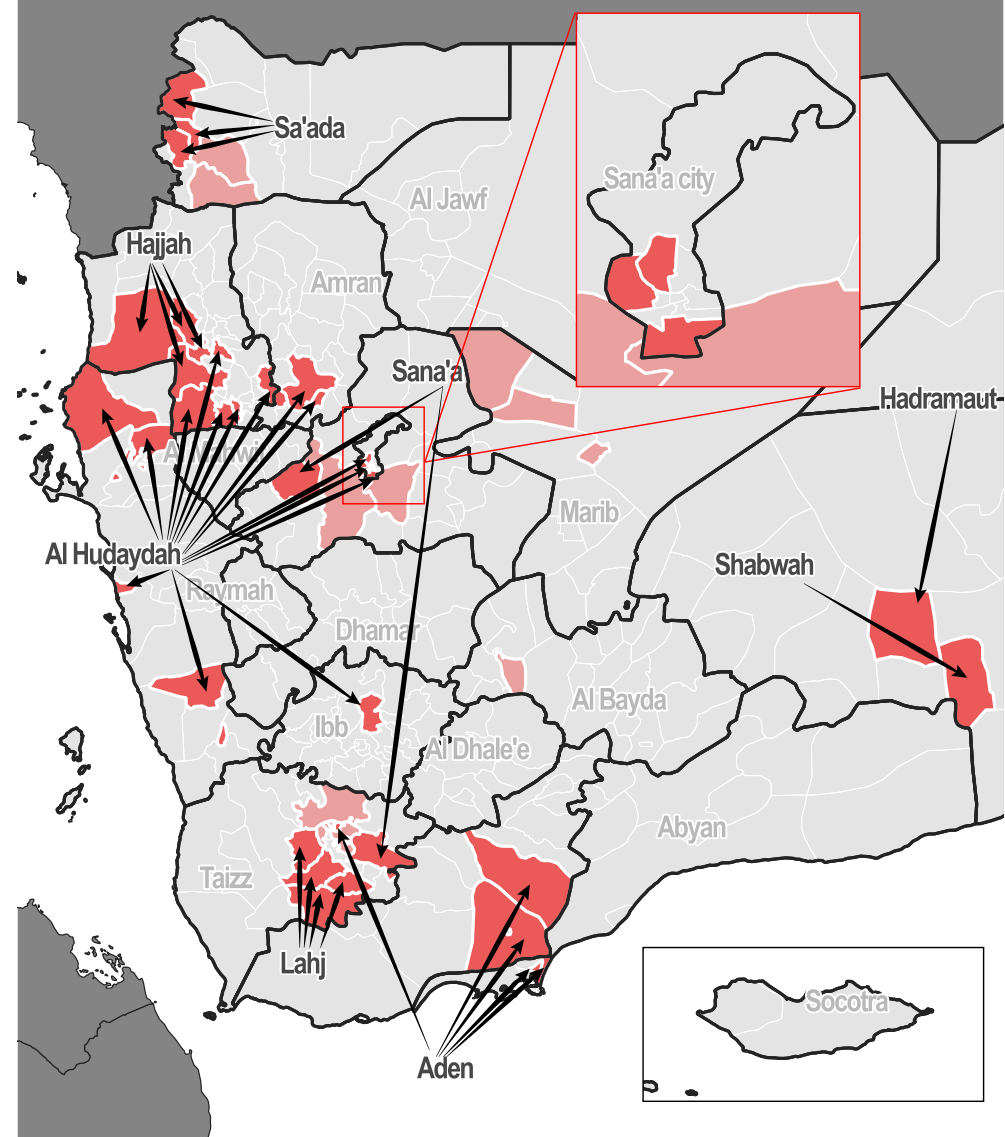
^CFuel prices and vendors were not available in district

Do Not Know was a potential option that could be selected by respondents

Petrol and Diesel Main Supply Chain Overview*

Supply destination

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

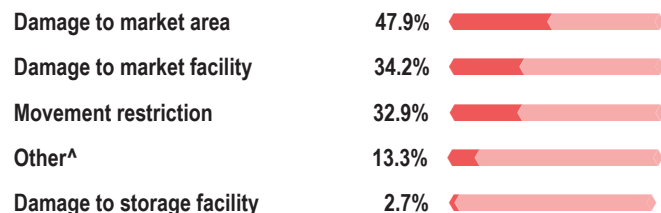


SUPPLY CHAIN OVERVIEW FOR YEMEN

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, 55% of the assessed KIs responded that they did not face any concerns compared to 45% 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*



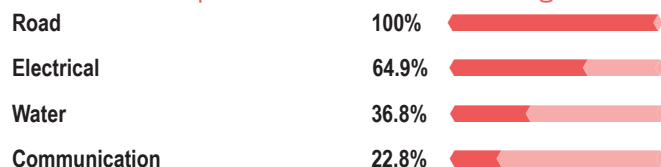
*Changes in exchange rate and price fluctuations

*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	350	390	150	100	500
al Hudaydah	375	435	150	130	500

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 nothing was cheaper in al Hudaydah.

AVERAGE RESTOCKING TIME (DAYS)

-CHANGE IN DAYS FROM OCTOBER 2019 IN BRACKETS -

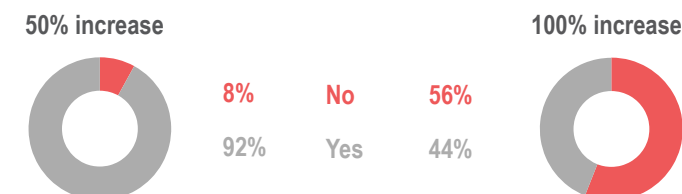
Governorate	Fuel Items	WASH Items
Aden	2 (0)	2 (0)
Al Bayda	NA	NA
Al Hudaydah	13 (7)	13 (8)
Amran	5 (1)	2 (0)
Hajjah	9 (1)	14 (6)
Ibb	9 (-)	9 (8)
Lahj	3 (-1)	5 (0)
Marib	NA	6 (-)
Sa'ada	7 (4)	6 (3)
Sana'a	1 (-2)	1 (-2)
Sana'a City	4 (-1)	2 (0)
Shabwah	2 (-4)	2 (0)
Taizz	5 (1)	3 (0)

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

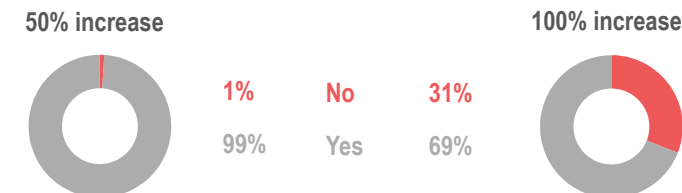
VENDOR CAPACITY TO RESPOND TO A SUDDEN INCREASE IN DEMAND

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.

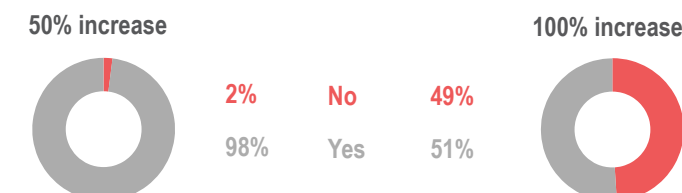
Vendor capacity to respond to a 50% and 100% increase in demand for fuel items



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.

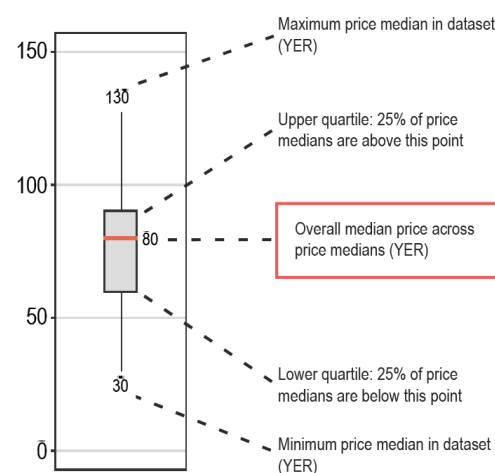
LIMITATIONS

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	2
Al Bayda	1
Al Hudaydah	4
Amran	2
Hajjah	9
Ibb	1
Lahj	2
Marib	3
Sa'ada	5
Sana'a	3
Sana'a City	3
Shabwah	2
Taizz	10

PARTICIPATING PARTNERS INCLUDE

