



### 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 **18 Jan - 4 Feb**  
**11** Participating partners  
**52** Districts assessed  
**251** Vendor KIs surveyed

### KEY FINDINGS

In January 2020, the trend of appreciation of the Yemeni Riyal (YER) against the US Dollar (USD) stopped, with the YER depreciating 2.6% on the parallel market.

**250**  
**USD/YER**  
Official  
► **0.0%**

**594**  
**USD/YER**  
Parallel market\*  
▲ **+2.6%**

**579**  
**USD/YER**  
Previous Parallel Market  
Rate December 2019

In January 2020, the JMMI also tracked the exchange rate for recently issued notes circulating in parts of Yemen

**653**  
**USD/YER**  
New currency market

### KEY PRICE FIGURES

Between December 2019 and January 2020, the price for water trucking saw a particularly high increase of 20.9%, which had an impact on the total SMEB. The prices of diesel and treated water also increased.

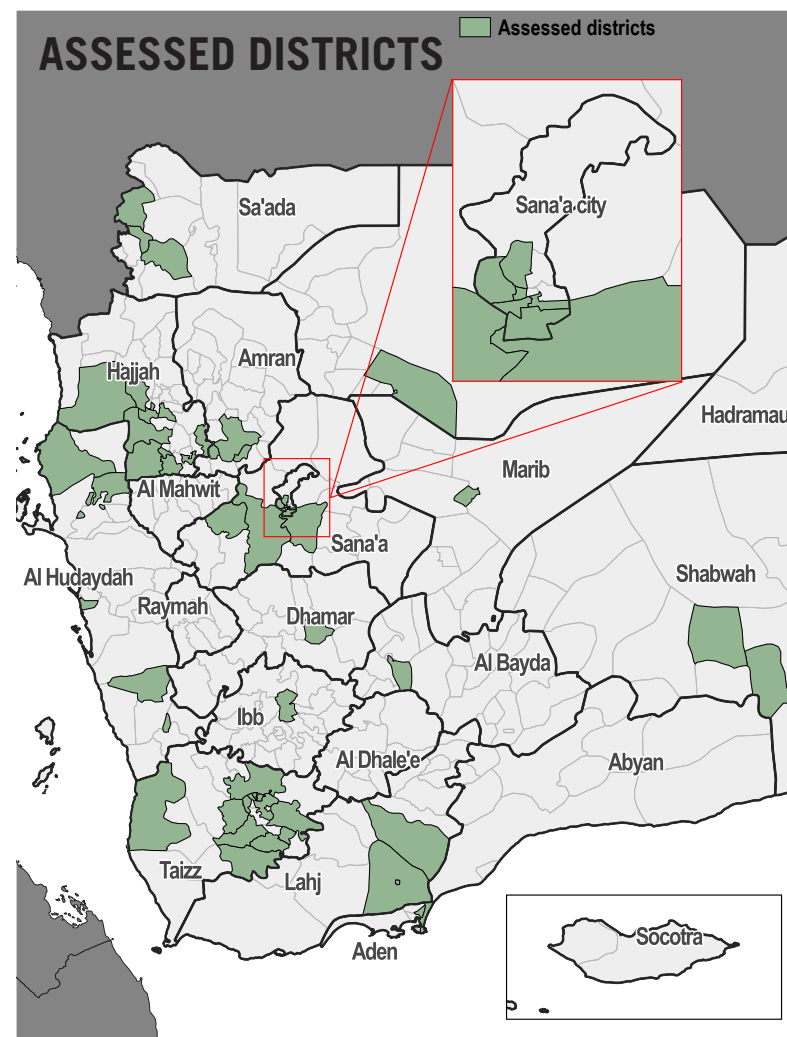
Petrol Price (1L)	<b>365 YER</b>	►	<b>0.0%</b>
Diesel Price (1L)	<b>430 YER</b>	▲	<b>+2.4%</b>
Bottled Water Price (0.75L)	<b>125 YER</b>	▼	<b>-3.8%</b>
Treated Water Price (10L)	<b>135 YER</b>	▲	<b>+4.7%</b>
Water Trucking Price (1m <sup>3</sup> )	<b>2,417 YER</b>	▲	<b>+20.9%</b>
Soap (100g)	<b>150 YER</b>	►	<b>0.0%</b>
Sanitary Napkins (10 Pack)	<b>500 YER</b>	►	<b>0.0%</b>
Laundry Powder (100 g)	<b>111 YER</b>	▼	<b>-5.9%</b>

### WASH SMEB

The median cost for the WASH SMEB was calculated to be 12,399 YER, marking an increase of 10.5% from the cost observed in December 2019.

**Jan 12,399 YER / Dec 11,225 YER ▲ 1,174 YER +10.5%**

\*206 of the 245 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 m <sup>3</sup>

### OTHER ASSESSED ITEMS

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

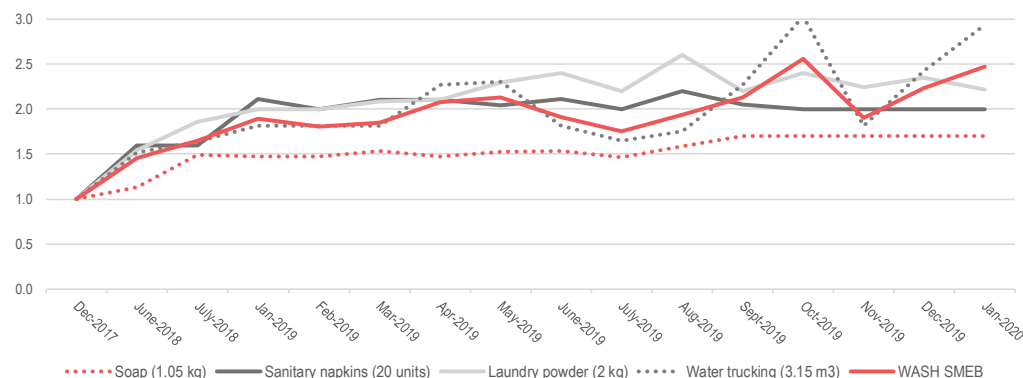
## WASH SMEB COST OVERVIEW

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.

## WASH SMEB PRICE INDEX

Since September 2017 (normalized, September 2017 = 1.00)



## 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 m <sup>3</sup> )	WASH SMEB Jan-20	Change since Jul-19	Change since Dec-19
Aden	1575	1500	1000	9450	13525	-3.4%	0.0%
Al Bayda	-	-	-	-	-	N/A*	N/A*
Al Hudaydah	1523	2400	1050	8663	13635	-3.8%	-56.8%
Al Jawf	2573	1580	1000	12600	17753	N/A*	N/A*
Amran	1575	2325	975	9450	14325	N/A*	+90.0%
Dhamar	1575	2000	946	3150	7671	N/A*	N/A*
Hajjah	1575	2800	1000	7875	13250	+6.4%	+17.5%
Ibb	1953	3000	1156	7349	13458	+50.3%	+7.6%
Lahj	1575	1910	1000	5513	9998	+21.6%	-16.4%
Marib	2153	1960	900	12600	17613	N/A*	N/A*
Sa'ada	1418	3400	1100	12600	18528	+98.2%	N/A*
Sana'a	1260	3640	1400	3150	9450	+5.0%	+6.4%
Sana'a City	1517	2000	990	4331	8839	-13.4%	+8.8%
Shabwah	1995	2000	1200	-	-	N/A*	N/A*
Taizz	1628	2400	1000	6300	11328	-2.5%	+0.4%

\* Not enough data to create the SMEB in January

## MEDIAN EXCHANGE RATE, BY GOVERNORATE\*

Governorate	Nov 2019	Dec 2019	Jan 2020
Aden	573	603	656 (654)
Al Bayda	N/A	578	587
Al Hudaydah	570	573	576 (690)
Al Jawf	N/A	N/A	658
Amran	571	579	584
Dhamar	N/A	N/A	597
Hajjah	570	582	590 (580)
Ibb	569	580	595
Lahj	570	599	662 (652)
Marib	578	N/A	650
Sa'ada	590	578	587
Sana'a	570	576	586
Sana'a City	575	575	593 (659)
Shabwah	N/A	N/A	648
Taizz	572	584	635 (649)

\* Exchange rates in parentheses indicate the rate for new currency

## PROPORTION OF VENDORS ACCEPTING CREDIT AS PAYMENT, BY TYPE OF GOOD

Type of good sold	Nov 2019	Dec 2019	Jan 2020
Fuel	6.7%	7.2%	8.3%
WASH NFIs	22.8%	21.9%	20.6%
Water Trucking	9.4%	4.3%	9.0%

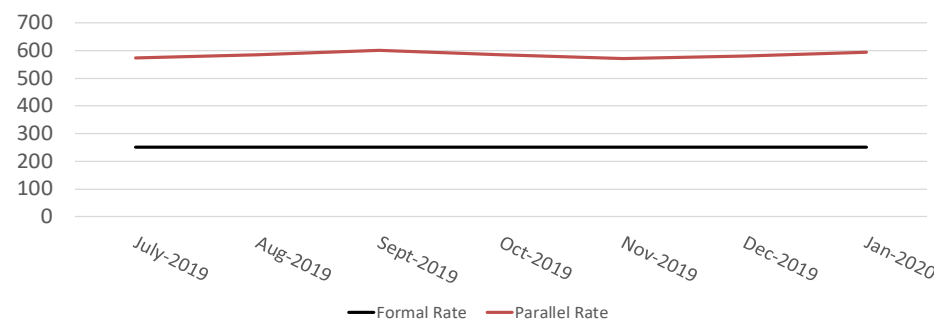
## MEDIAN COST OF WASH SMEB IN JANUARY

12,399 YER

Change since July 2019 ▲ 3,569 YER +40.4%

Change since December 2019 ▲ 1,174 YER +10.5%

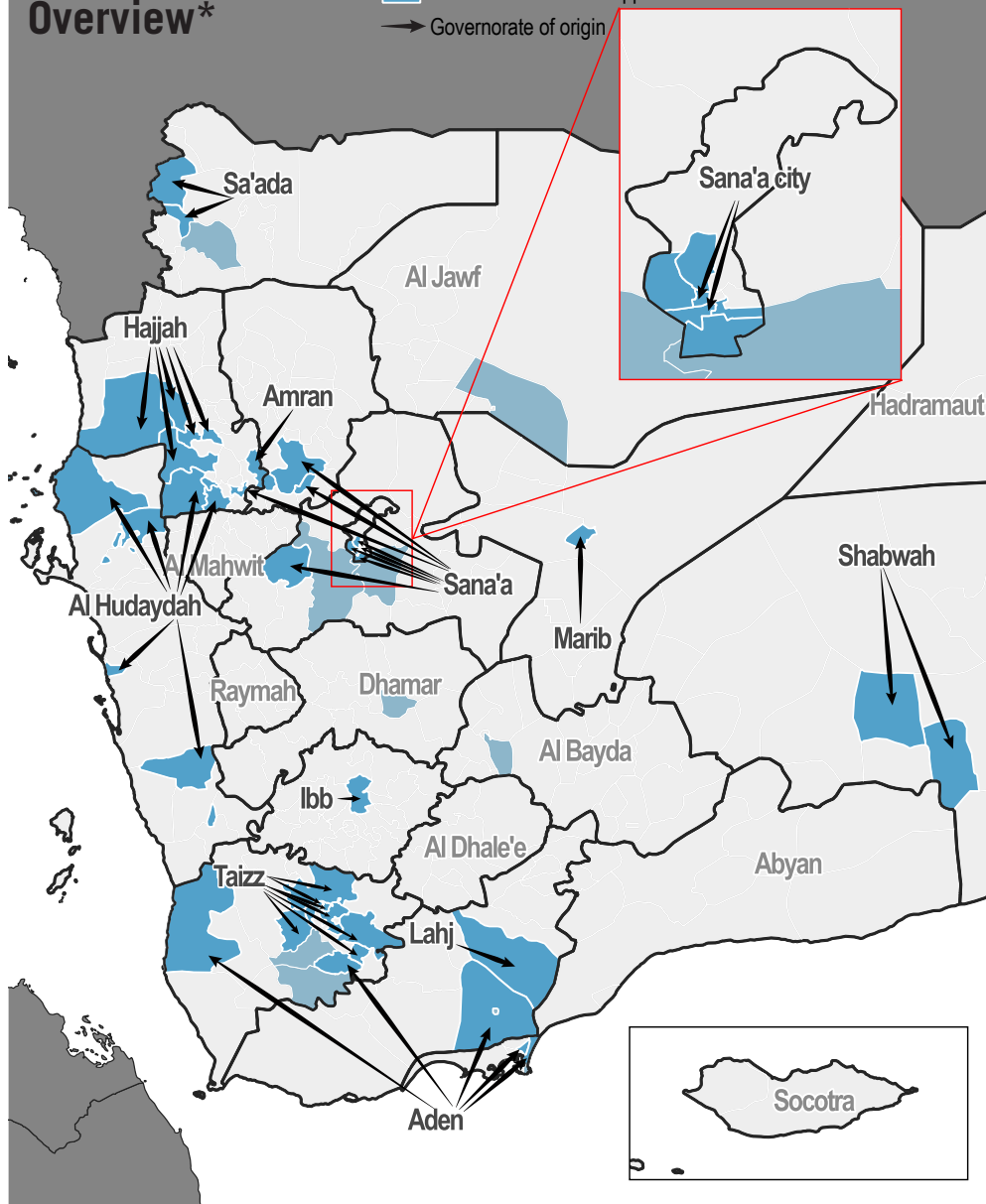
## EXCHANGE RATE INDEX



# 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>A</sup>	Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed <sup>A</sup>
Aden	Ash Shaikh Outhman	Aden	4 / 12	Sa'ada	Ghamr	Sa'ada	3 / 3
Aden	Craiter	N/A ~	0 / 4	Sa'ada	Monabbih	Sa'ada	3 / 3
Aden	Khur Maksar	Aden	4 / 10	Sa'ada	Saqayn	Do not know ~	3 / 3
Al Bayda	Rada'	Do not know ~	3 / 3	Sana'a	Al Haymah Ad Dakhiliyah	Sana'a	1 / 3
Al Hudaydah	Al Hawak	al Hudaydah	3 / 3	Sana'a	Bani Matar	Do not know ~	3 / 3
Al Hudaydah	Al Qanawis	al Hudaydah	3 / 3	Sana'a	Sanhan	Do not know ~	3 / 3
Al Hudaydah	Alluheyah	al Hudaydah	3 / 3	Sana'a City	Al Wahdah	Sana'a City	3 / 3
Al Hudaydah	Zabid	al Hudaydah	11 / 11	Sana'a City	As Sabain	Sana'a	3 / 7
Al Jawf	Al Hazm	N/A ~	3 / 3	Sana'a City	Assafi'yah	Sana'a	3 / 3
Amran	Amran	Sana'a	5 / 8	Sana'a City	At Tahrir	Sana'a City	4 / 4
Amran	Jabal Iyal Yazid	Sana'a	2 / 5	Sana'a City	Ath'tharaoh	Sana'a	5 / 5
Dhamar	Dhamar City	N/A ~	3 / 3	Sana'a City	Ma'ain	Sana'a	2 / 5
Hajjah	Abs	Hajjah	3 / 3	Shabwah	Ataq	Shabwah	3 / 3
Hajjah	Al Mahabishah	Hajjah	3 / 3	Shabwah	Habban	Shabwah	3 / 3
Hajjah	Ash Shaghadirah	al Hudaydah	1 / 4	Taizz	Al Mukha	Aden	3 / 3
Hajjah	Aslem	Hajjah	4 / 4	Taizz	Al Ma'afer	N/A ~	2 / 7
Hajjah	Bani Qa'is	al Hudaydah	2 / 5	Taizz	Al Mawasit	Aden	2 / 7
Hajjah	Hajjah	Sana'a	3 / 3	Taizz	Al Mudhaffar	Do not know ~	1 / 4
Hajjah	Ku'aydinah	Hajjah	3 / 3	Taizz	Al Qahirah	Taizz	3 / 5
Hajjah	Kuhlan Affar	Amran	2 / 5	Taizz	As Silw	Taizz	3 / 3
Hajjah	Qafi Shamer	Hajjah	3 / 3	Taizz	Ash Shamayatayn	NA	2 / 3
Ibb	Al Makhadir	Ibb	6 / 6	Taizz	At Ta'iziyah	Taizz	9 / 9
Lahj	Al Hawtah	N/A ~	0 / 4	Taizz	Dimnat Khadir	Taizz	7 / 7
Lahj	Al Milah	Lahj	1 / 3	Taizz	Jabal Habashy	Taizz	14 / 14
Lahj	Tuban	Aden	4 / 12	Taizz	Sabir Al Mawadim	Taizz	2 / 3
Marib	Marib City	Marib	3 / 3	Taizz	Salh	Taizz	3 / 6

<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.

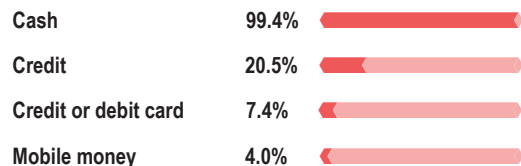
The supplier governorate indicates the most prevalent answer. In the case of a tie, both governorates are shown.

\*The map shows 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

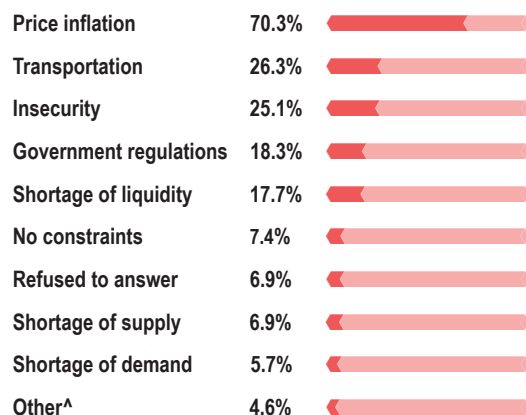
~ Do Not Know was a potential option that could be selected by respondents

## 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 increased customs check points and fluctuations in the exchange rate

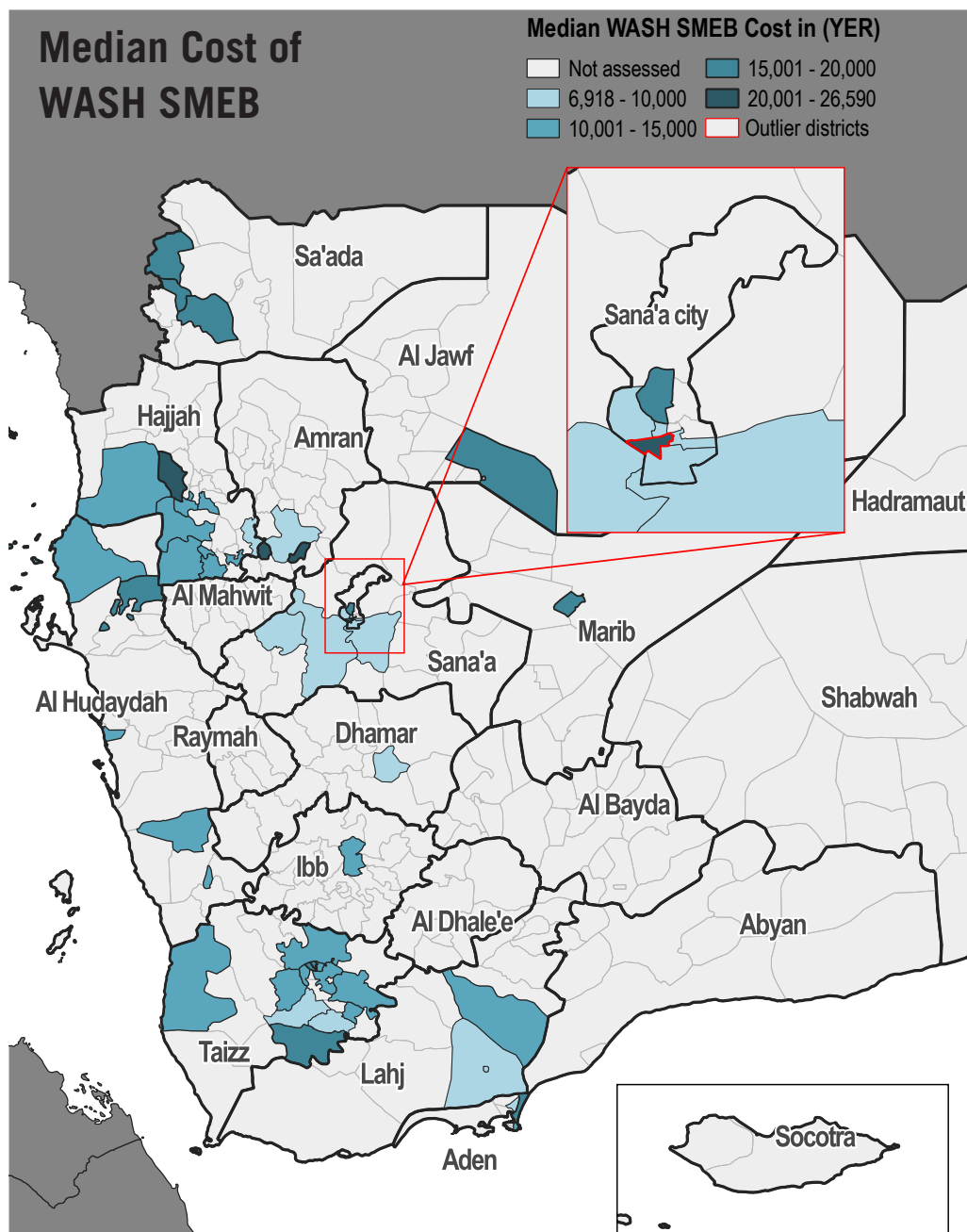
## MEDIAN WASH SMEB COST BY DISTRICT (YER)

Governorate	District	SMEB Cost
Aden	Ash Shaikh Outhman	7225
Aden	Craiter	13525
Aden	Khur Maksar	19825
Al Bayda	Rada'	N/A
Al Hudaydah	Al Hawak	13628
Al Hudaydah	Al Qanawis	16100
Al Hudaydah	Alluheyah	11175
Al Hudaydah	Zabid	13773

Governorate	District	SMEB Cost
Al Jawf	Al Hazm	17753
Amran	Amran	20425
Amran	Jabal Iyal Yazid	8225
Dhamar	Dhamar City	7671
Hajjah	Abs	14825
Hajjah	Al Mahabishah	13276
Hajjah	Ash Shaghadirah	10100
Hajjah	Aslem	23215
Hajjah	Bani Qa'is	13450
Hajjah	Hajjah	11815
Hajjah	Ku'aydinah	13765
Hajjah	Kuhlan Affar	8325
Hajjah	Qafi Shamer	12850
Ibb	Al Makhadir	13458
Lahj	Al Hawtah	9998
Lahj	Al Milah	10695
Lahj	Tuban	9300
Marib	Marib City	17613
Sa'ada	Ghamr	18675
Sa'ada	Monabbih	18380
Sa'ada	Saqayn	18528
Sana'a	Al Haymah Ad Dakhiliyah	9450
Sana'a	Bani Matar	9450
Sana'a	Sanhan	9450
Sana'a City	Al Wahdah	<b>26590</b>
Sana'a City	As Sabain	7310
Sana'a City	Assafi'yah	9300
Sana'a City	At Tahrir	8813
Sana'a City	Ath'thaorah	15915
Sana'a City	Ma'ain	6918
Shabwah	Ataq	N/A
Shabwah	Habban	N/A
Taizz	Al Mukha	11590
Taizz	Al Ma'afer	7635
Taizz	Al Mawasit	8455
Taizz	Al Mudhaffar	18175
Taizz	Al Qahirah	16793
Taizz	As Silw	10875
Taizz	Ash Shamayatayn	16898
Taizz	At Ta'iziyah	12500
Taizz	Dimnat Khadir	13025
Taizz	Jabal Habashy	10364
Taizz	Sabir Al Mawadim	12663
Taizz	Salh	10875

\*Bold Red indicates an outlier

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



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

Yemen Joint Market Monitoring Initiative (JMMI), January 2020



# PRICE MONITORING OVERVIEW FOR YEMEN

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

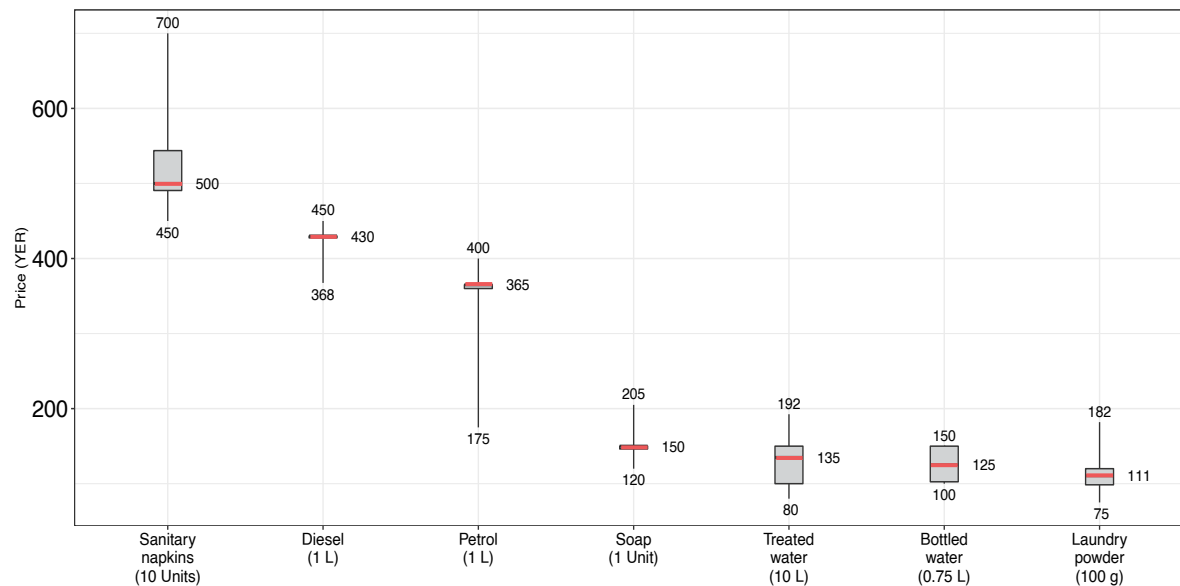
Item	September 2017 (baseline) <sup>^</sup>	November 2017 <sup>^</sup>	July 2019	Aug 2019	Sept 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	% Change (Dec-Jan)
Petrol (1L)	275	349	365	370	368	365	365	365	365	0.0%
Diesel (1L)	235	394	410	401	400	405	413	420	430	+2.4%
Bottled Water (.75L)	70	100	128	138	125	140	138	130	125	-3.8%
Treated Water (10L)	NA ↗	175 ↗	120	120	120	120	130	129	135	+4.7%
Soap (1 Unit)	88	NA	129	140	150	150	150	150	150	0.0%
Laundry Powder (100g)	50	NA	110	130	109	120	113	118	111	-5.9%
Sanitary Napkins (10)	250	NA	500	550	500	500	500	500	500	0.0%
Water Trucking (1m³)	825	1,700	1,358	1,450	1,875	2,500	1,500	2000	2417	+20.9%

\* 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.

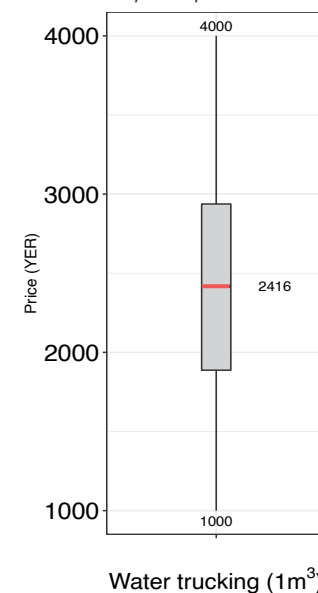
## PRICE DISTRIBUTION OF KEY ITEMS ACROSS YEMEN



## JANUARY 2020 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	340	371	150	80	150	75	500	3000
Al Bayda	365	430	100	150	N/A	N/A	N/A	N/A
Al Hudaydah	378	450	135	150	145	120	525	2750
Al Jawf	350	N/A	150	N/A	245	79	500	4000
Amran	365	430	105	193	150	116	488	3000
Dhamar	365	430	95	N/A	150	100	473	1000
Hajjah	375	435	150	150	150	140	500	2500
Ibb	365	430	150	100	186	150	578	2333
Lahj	350	393	125	100	150	96	500	1750
Marib	175	N/A	N/A	125	205	98	450	4000
Sa'ada	370	440	130	125	135	170	555	4000
Sana'a	365	430	100	150	120	182	700	1000
Sana'a City	365	430	120	110	145	100	495	1375
Shabwah	283	360	100	100	190	100	600	N/A
Taizz	413	428	150	100	155	120	500	2000

\* N/As indicates that the specific question was not answered by the KIs

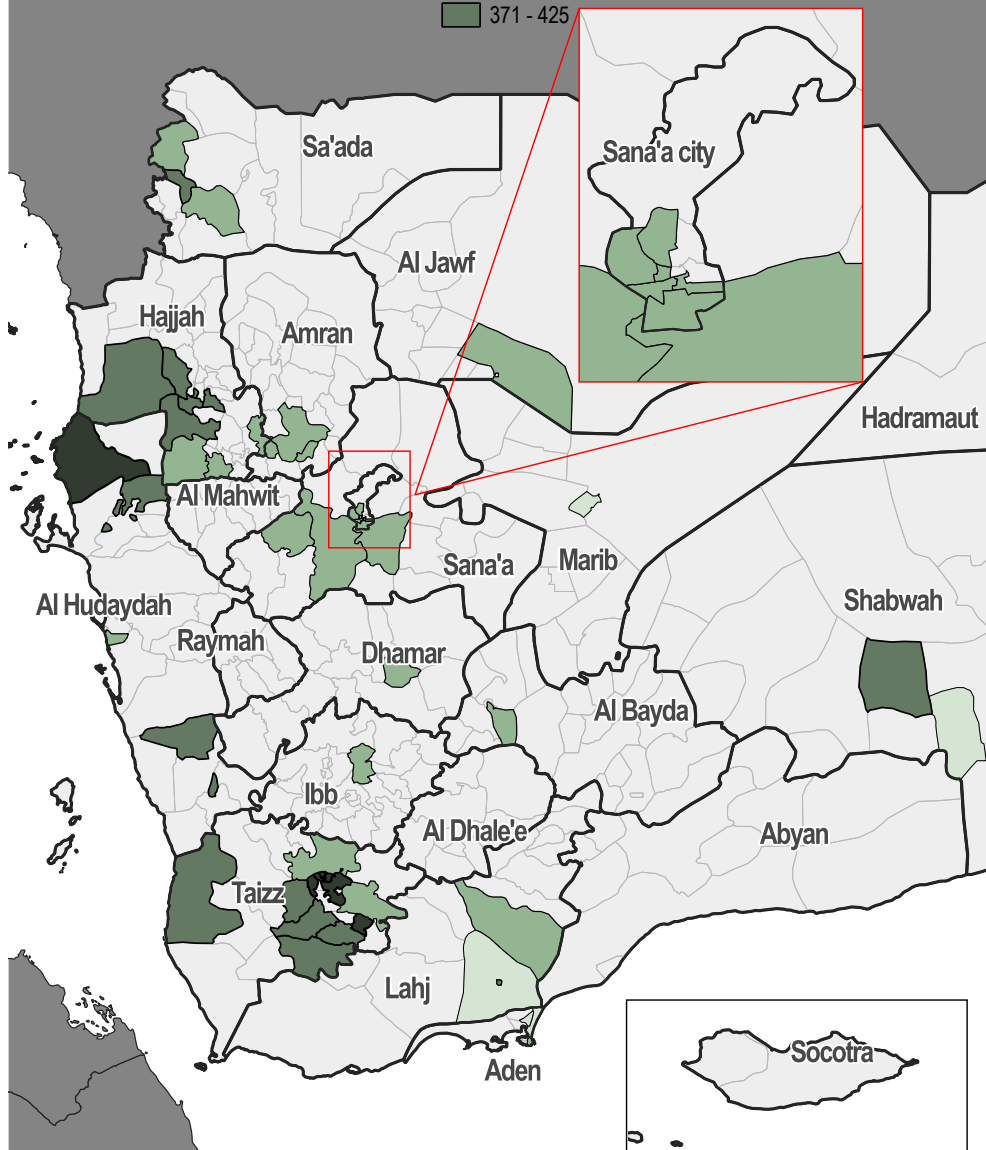
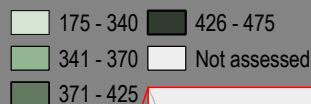


## ORIGIN OF GOODS BY GOVERNORATE

Governorate	Governorate Origin: Fuel	Governorate Origin: WASH
Aden	Aden	Aden
Al Bayda	Do Not Know	Do Not Know
Al Hudaydah	al Hudaydah	al Hudaydah
Al Jawf	Marib	Al Jawf / Marib / Sana'a
Amran	al Hudaydah	Sana'a
Dhamar	Dhamar	Aden / Dhamar / Taizz
Hajjah	Hajjah	Hajjah
Ibb	Sana'a	Ibb
Lahj	Aden	Aden
Marib	Marib	Marib
Sa'ada	Sa'ada	Sa'ada
Sana'a	Do not know	Do not know
Sana'a City	al Hudaydah	N/A
Shabwah	Hadramawt	Shabwah
Taizz	Lahj	Taizz

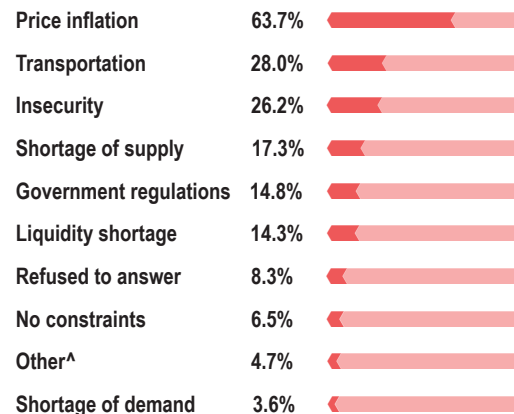
## Petrol Prices

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.

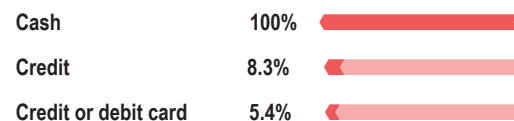
## MOST REPORTED CONSTRAINTS FOR: FUEL VENDORS\*



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

<sup>A</sup>Includes additional taxes at check points

## 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	340
Aden	Craiter	350
Aden	Khur Maksar	340
Al Bayda	Rada'	365
Al Hudaydah	Al Hawak	365
Al Hudaydah	Al Qanawis	380
Al Hudaydah	Alluheyah	450
Al Hudaydah	Zabid	375
Al Jawf	Al Hazm	350
Amran	Amran	365
Amran	Jabal Iyal Yazid	365
Dhamar	Dhamar City	365

Governorate	District	Petrol Price
Hajjah	Abs	375
Hajjah	Al Mahabishah	375
Hajjah	Ash Shaghadirah	365
Hajjah	Aslem	400
Hajjah	Bani Qa'is	365
Hajjah	Hajjah	N/A*
Hajjah	Ku'aydinah	400
Hajjah	Kuhlan Affar	365
Hajjah	Qafil Shamer	375
Ibb	Al Makhadir	365
Lahj	Al Hawtah	390
Lahj	Al Milah	350
Lahj	Tuban	340
Marib	Marib City	175
Sa'ada	Ghamr	380
Sa'ada	Monabbih	370
Sa'ada	Saqayn	365
Sana'a	Al Haymah Ad Dakhiliyah	365
Sana'a	Bani Matar	365
Sana'a	Sanhan	365
Sana'a City	Al Wahdah	365
Sana'a City	As Sabain	365
Sana'a City	Assafi'yah	365
Sana'a City	At Tahrir	365
Sana'a City	Ath'thaorah	365
Sana'a City	Ma'ain	365
Shabwah	Ataq	375
Shabwah	Habban	190
Taizz	Al Mukha	390
Taizz	Al Ma'afer	400
Taizz	Al Mawasit	400
Taizz	Al Mudhaffar	475
Taizz	Al Qahirah	475
Taizz	As Silw	450
Taizz	Ash Shamayatayn	425
Taizz	At Ta'iziyah	365
Taizz	Dimnat Khadir	365
Taizz	Jabal Habashy	400
Taizz	Sabir Al Mawadim	450
Taizz	Salh	450

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

## OVERVIEW OF WATER TRUCKING

**76%** 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 **6,500 YER** for an additional 10 km.

**43%** of water trucking vendor KIs stated that they sell non-chlorinated water.

**40%** 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.

**89%** 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.

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

## PAYMENT MODALITIES ACCEPTED: WATER TRUCKING\*

Cash	100%	████████████████████
Credit or debit card	10.1%	████████████████
Credit	9.0%	██████████████
Mobile money	2.2%	██████████
Other^	1.1%	██████

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

^Client Accounts

## MEDIAN WATER TRUCKING PRICE BY DISTRICT (YER)

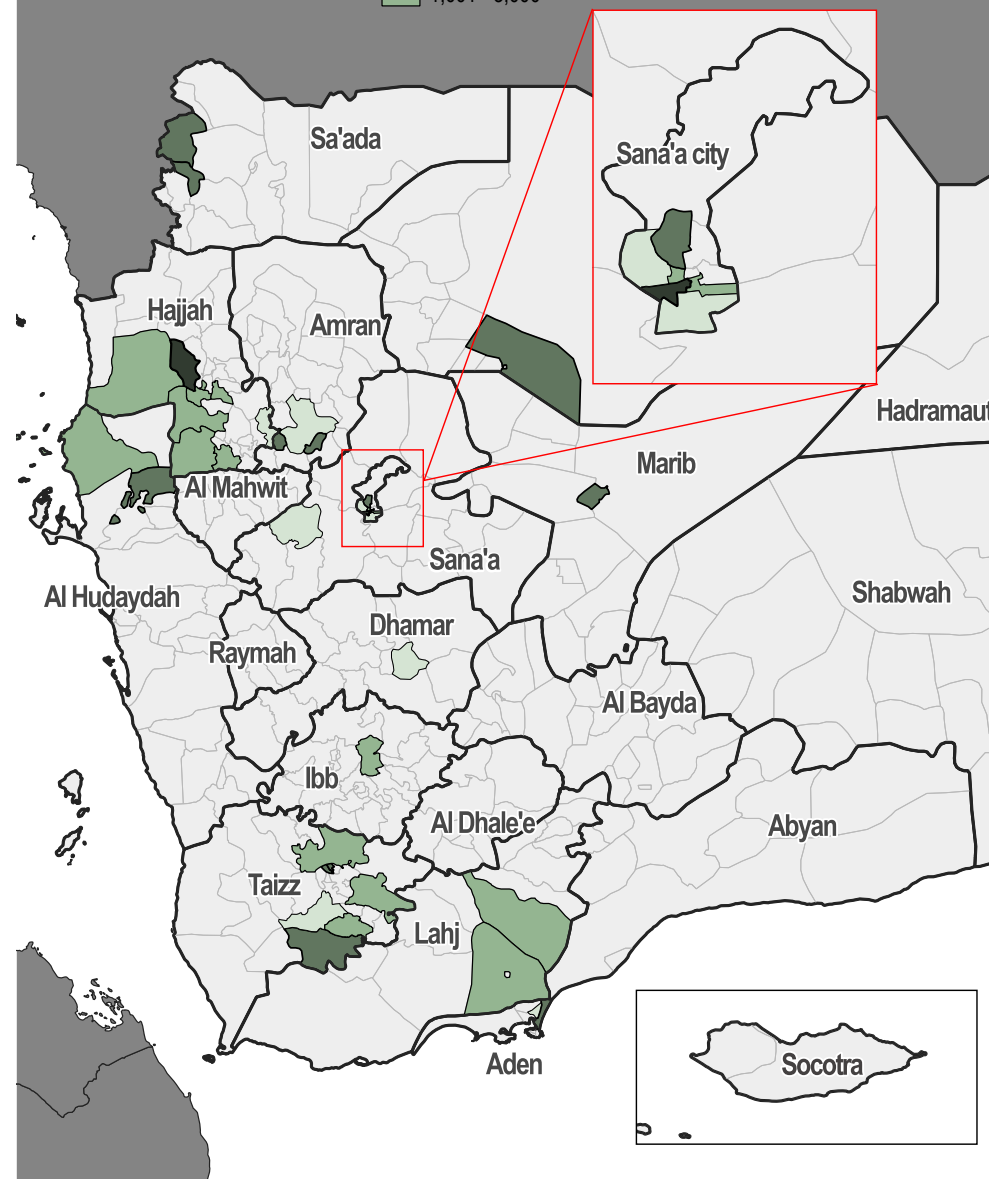
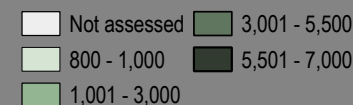
Governorate	District	Water Trucking Price
Aden	Ash Shaikh Outhman	1000
Aden	Craiter	N/A*
Aden	Khur Maksar	5000
Al Bayda	Rada'	N/A*
Al Hudaydah	Al Hawak	N/A*
Al Hudaydah	Al Qanawis	3500

Governorate	District	Water Trucking Price
Al Hudaydah	Alluheyah	2000
Al Hudaydah	Zabid	N/A*
Al Jawf	Al Hazm	4000
Amran	Amran	5000
Amran	Jabal Iyal Yazid	1000
Dhamar	Dhamar City	1000
Hajjah	Abs	3000
Hajjah	Al Mahabishah	2667
Hajjah	Ash Shaghadirah	1500
Hajjah	Aslem	5500
Hajjah	Bani Qa'is	2500
Hajjah	Hajjah	N/A*
Hajjah	Ku'aydinah	2500
Hajjah	Kuhlan Affar	1000
Hajjah	Qafli Shamer	2500
Ibb	Al Makhadir	2333
Lahj	Al Hawtah	N/A*
Lahj	Al Milah	2000
Lahj	Tuban	1500
Marib	Marib City	4000
Sa'ada	Ghamr	4000
Sa'ada	Monabbih	4000
Sa'ada	Saqayn	N/A*
Sana'a	Al Haymah Ad Dakhiliyah	1000
Sana'a	Bani Matar	N/A*
Sana'a	Sanhan	N/A*
Sana'a City	Al Wahdah	7000
Sana'a City	As Sabain	1000
Sana'a City	Assafi'yah	1500
Sana'a City	At Tahrir	1250
Sana'a City	Ath'thaorah	3600
Sana'a City	Ma'ain	800
Shabwah	Ataq	N/A*
Shabwah	Habban	N/A*
Taizz	Al Mukha	N/A*
Taizz	Al Ma'afer	1000
Taizz	Al Mawasit	1200
Taizz	Al Mudhaffar	4000
Taizz	Al Qahirah	3750
Taizz	As Siw	N/A*
Taizz	Ash Shamayatayn	3750
Taizz	At Ta'iziyah	2000
Taizz	Dimnat Khadir	2000
Taizz	Jabal Habashy	N/A*
Taizz	Sabir Al Mawadim	N/A*
Taizz	Salh	N/A*

\*NA indicates that in this 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>	Governorate	District	Supplier Governorate	Number Respondents of Total Interviewed <sup>A</sup>
Aden	Ash Shaikh Outhman	Aden	4 / 12	Sa'ada	Ghamr	Sa'ada	3 / 3
Aden	Craiter	Aden	4 / 4	Sa'ada	Monabbih	Sa'ada	3 / 3
Aden	Khur Maksar	Aden	2 / 10	Sa'ada	Saqayn	Do not know <sup>~</sup>	3 / 3
Al Bayda	Rada'	Do not know <sup>~</sup>	3 / 3	Sana'a	Al Haymah Ad Dakhiliyah	Sana'a	1 / 3
Al Hudaydah	Al Hawak	al Hudaydah	3 / 3	Sana'a	Bani Matar	Do not know <sup>~</sup>	3 / 3
Al Hudaydah	Al Qanawis	al Hudaydah	3 / 3	Sana'a	Sanhan	Do not know <sup>~</sup>	3 / 3
Al Hudaydah	Alluheyah	al Hudaydah	3 / 3	Sana'a City	Al Wahdah	Sana'a City	3 / 3
Al Hudaydah	Zabid	al Hudaydah	11 / 11	Sana'a City	As Sabain	al Hudaydah	3 / 7
Al Jawf	Al Hazm	Marib	3 / 3	Sana'a City	Assafi'yah	al Hudaydah	3 / 3
Amran	Amran	Sana'a City	5 / 8	Sana'a City	At Tahrir	N/A <sup>~</sup>	4 / 4
Amran	Jabal Iyal Yazid	al Hudaydah	2 / 5	Sana'a City	Ath'thorah	al Hudaydah	5 / 5
Dhamar	Dhamar City	Dhamar	3 / 3	Sana'a City	Ma'in	al Hudaydah	2 / 5
Hajjah	Abs	Hajjah	3 / 3	Shabwah	Ataq	Hadramawt	3 / 3
Hajjah	Al Mahabishah	al Hudaydah	3 / 3	Shabwah	Habban	Shabwah	1 / 3
Hajjah	Ash Shaghadirah	al Hudaydah	2 / 4	Taizz	Al Mukha	Aden	3 / 3
Hajjah	Aslem	Hajjah	4 / 4	Taizz	Al Ma'afer	Lahj	1 / 7
Hajjah	Bani Qa'is	al Hudaydah	2 / 5	Taizz	Al Mawasit	Lahj	1 / 7
Hajjah	Hajjah	N/A <sup>~</sup>	0 / 3	Taizz	Al Mudhaffar	Aden	1 / 4
Hajjah	Ku'aydinah	Hajjah	3 / 3	Taizz	Al Qahirah	Aden	1 / 5
Hajjah	Kuhlan Affar	al Hudaydah	2 / 5	Taizz	As Silw	Taizz	3 / 3
Hajjah	Qafil Shamer	Hajjah	3 / 3	Taizz	Ash Shamayatayn	Lahj	3 / 3
Ibb	Al Makhadir	Sana'a	6 / 6	Taizz	At Ta'iziyah	Sana'a	8 / 9
Lahj	Al Hawtah	Aden	4 / 4	Taizz	Dimnat Khadir	Sana'a	7 / 7
Lahj	Al Milah	Aden	1 / 3	Taizz	Jabal Habashy	Lahj	8 / 14
Lahj	Tuban	Aden	6 / 12	Taizz	Sabir Al Mawadim	Aden	1 / 3
Marib	Marib City	Marib	3 / 3	Taizz	Salh	Aden	3 / 6

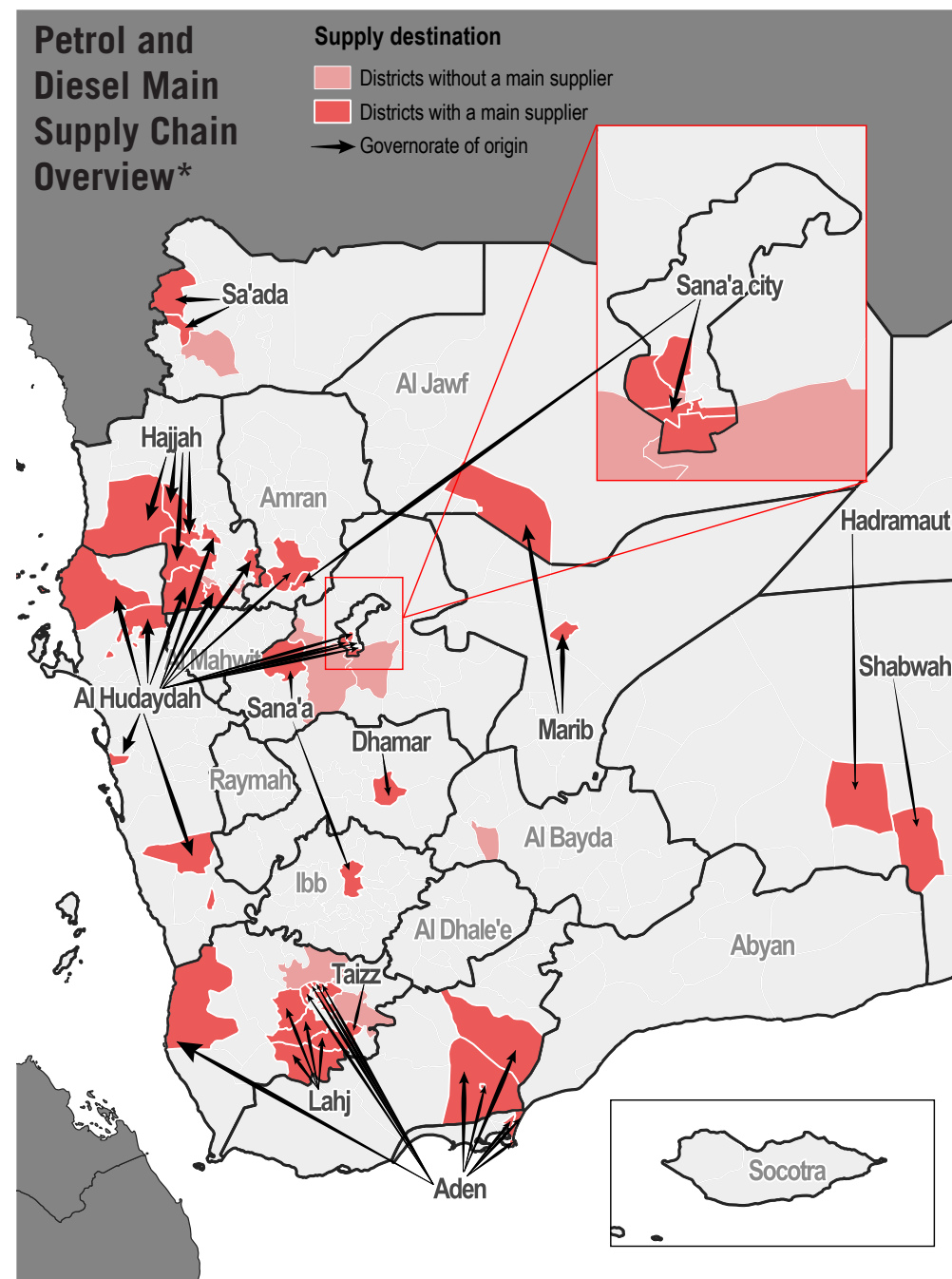
<sup>A</sup>If the number is 4/10 (e.g.), this indicates that 10 vendor KIs were interviewed, of those, 4 answered the supply question.

The supplier governorate indicates the most prevalent answer. In the case of a tie, both governorates are shown.

<sup>\*</sup>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.

<sup>~</sup>Fuel prices and vendors were not available in district

<sup>~</sup>Do Not Know was a potential option that could be selected by respondents



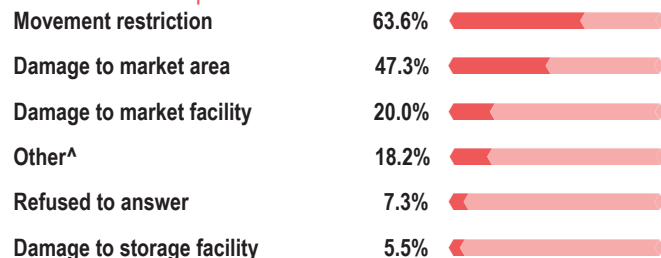


# SUPPLY CHAIN OVERVIEW FOR YEMEN

## 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, 59% of the assessed KIs responded that they did not face any concerns compared to 41% 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\*



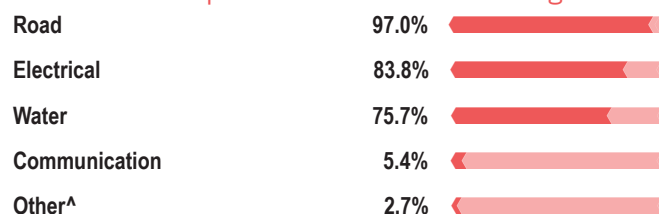
\*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

^Customs, currency fluctuations, and increased traffic.

## 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.

^Sanitation and the educational areas that have potential customers.

## 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	390	390	150	90	500
al Hudaydah	365	430	150	110	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 diesel, laundry powder, and sanitary napkins originating from Aden being cheaper than in al Hudaydah, while petrol was cheaper in al Hudaydah.

## AVERAGE RESTOCKING TIME (DAYS)

-CHANGE IN DAYS FROM December 2019 IN

BRACKETS -

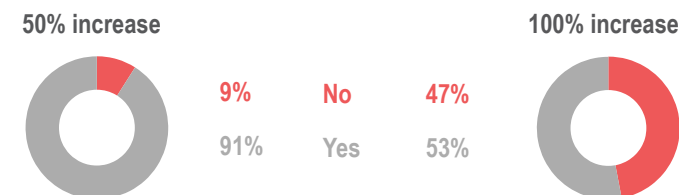
Governorate	Fuel Items	WASH Items
Aden	3 (0)	2 (0)
Al Bayda	N/A*	N/A*
Al Hudaydah	8 (0)	8 (3)
Al Jawf	3 (-)	3 (-)
Amran	4 (-1)	3 (1)
Dhamar	1 (-)	5 (-)
Hajjah	8 (0)	12 (7)
Ibb	12 (4)	1 (0)
Lahj	4 (1)	4 (-1)
Marib	3 (3)	7 (5)
Sa'ada	6 (-)	7 (-)
Sana'a	2 (1)	1 (0)
Sana'a City	3 (0)	1 (-1)
Shabwah	2 (-)	1 (-)
Taizz	6 (1)	4 (2)

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

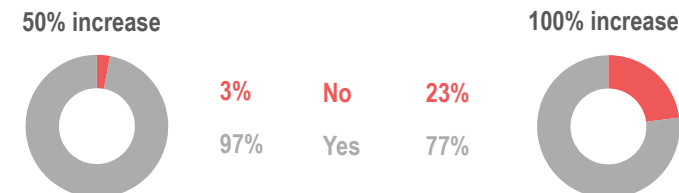
## VENDOR CAPACITY TO RESPOND TO A SUDDEN INCREASE IN DEMAND

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

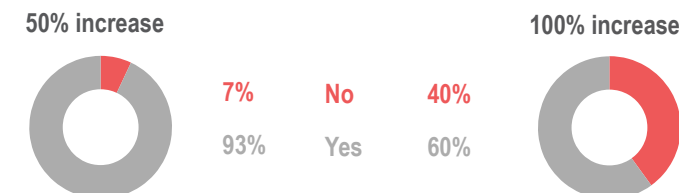
### Vendor capacity to respond to a 50% and 100% increase in demand for fuel items



### 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.

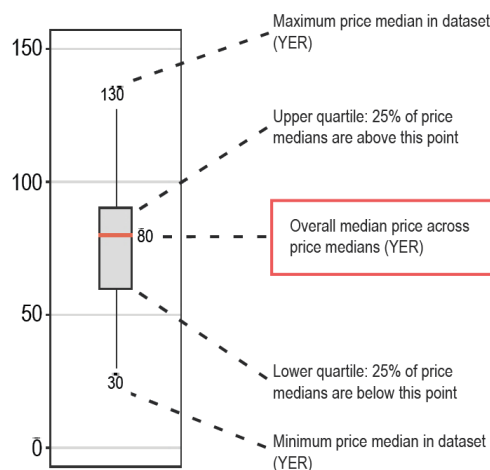
### LIMITATIONS

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).

### PARTICIPATING PARTNERS INCLUDE



### Number of Districts Assessed Per Governorate

Governorate	Districts Covered
Aden	3
Al Bayda	1
Al Hudaydah	4
Al Jawf	1
Amran	2
Dhamar	1
Hajjah	9
Ibb	1
Lahj	3
Marib	1
Sa'ada	3
Sana'a	3
Sana'a City	6
Shabwah	2
Taizz	12