

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. With the current global COVID-19 pandemic, REACH has adapted the JMMI to begin assessing the potential impact of the pandemic on markets and on respondents' businesses.

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. 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. From April 2020, data is being collected on a bi-weekly basis to better track disruptions caused by COVID-19. COVID-specific JMMI outputs are produced bi-weekly, and a more comprehensive output using both datasets are produced monthly. Data from the second round (final week) of the month will be compared to data from the last week of the previous month, to ensure consistent month-to-month comparison.

JMMI monthly figures

Data collection June (round 2) **28 June - 2 July**

- 13 Participating partners
- 46 Districts assessed
- 222 Vendor KIs surveyed

Data collection June (round 1) **14 June - 18 June**

- 10 Participating partners
- 44 Districts assessed
- 234 Vendor KIs surveyed

Key findings

In June (round 2) 2020, the Yemeni Riyal (YER) stayed steady against US Dollar (USD), with the overall exchange rate of YER staying constant on the parallel market, however there are localized pockets of volatility.

250 USD/YER Official ▶ 0.0%	620 USD/YER Parallel market** ▲ +3.2%	600 USD/YER Previous Parallel Market Rate May (R2) 2020
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In June (round 2) 2020, the JMMI also tracked the exchange rate for recently issued notes circulating in parts of Yemen.

744
USD/YER
New currency market

Key price figures

Between May (round 2) 2020 and June (round 2) 2020, the price for treated water reportedly saw an decrease of 13.0%, while water trucking decreased by 22.5%, which had an impact on the total SMEB.

Petrol Price (1L)	315 YER	▲	+6.3%
Diesel Price (1L)	350 YER	▲	+1.4%
Bottled Water Price (0.75L)	150 YER	▶	0.0%
Treated Water Price (10L)	100 YER	▼	-13%
Water Trucking Price (1m³)	2000 YER	▼	-22.5%
Soap (100g)	150 YER	▶	0.0%
Sanitary Napkins (10 Pack)	500 YER	▼	-6%
Laundry Powder (100 g)	120 YER	▶	0.0%

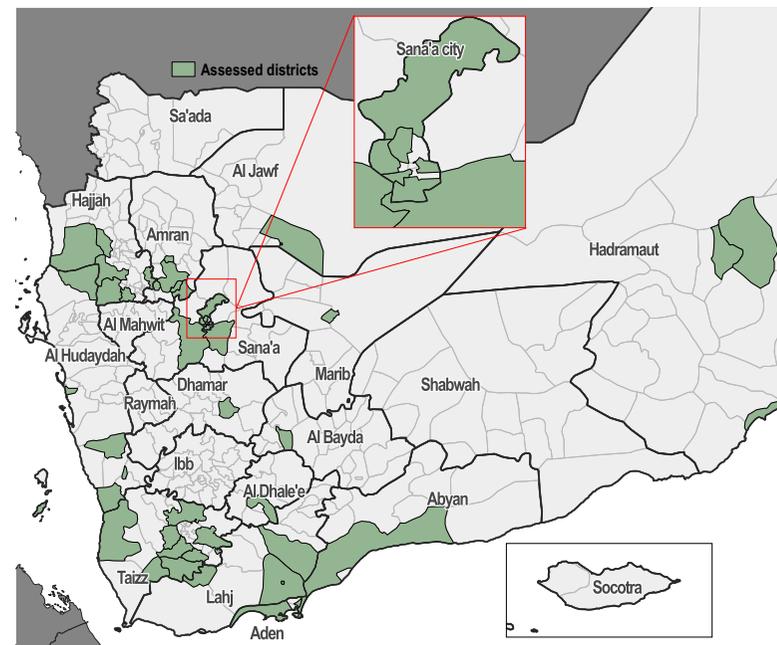
WASH SMEB

The median cost for the WASH SMEB was calculated to be 11,275 YER, marking an increase of 25.6% from the cost observed in May (R2) 2020.

June (R2) 11,275 YER / May (R2) 8,973 YER ▲ + 2302 YER 25.6%

*182 of the 205 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 ³

Other assessed items

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

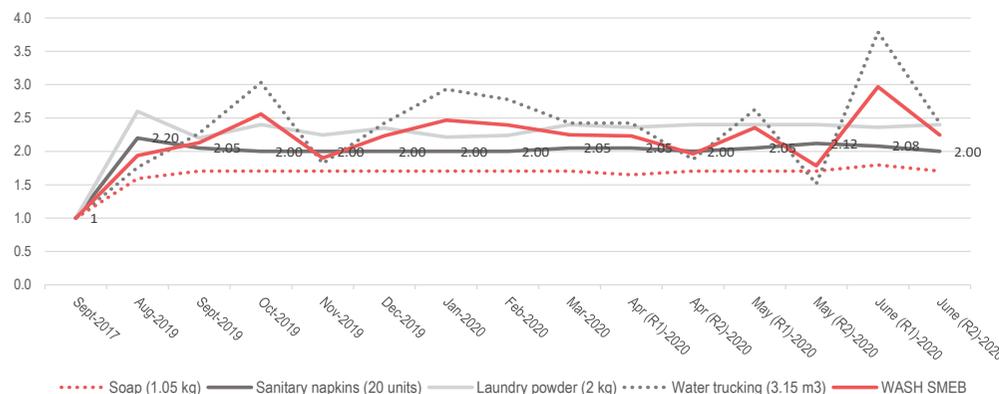
WASH SMEB COST OVERVIEW

The **WASH SMEB** represents the minimum culturally adjusted group of WASH items required to support a Yemeni family of seven 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 exchange rate, by governorate*

Governorate	March 2020	June (Round 1)	June (Round 2)
Abyan	658 (658)	NA	745 (745)
Aden	658 (658)	720 (735)	744 (740)
Al Bayda	596 (596)	610	617
Al Dhale'e	654 (656)	701 (730)	710 (750)
Al Hudaydah	595 (597)	691 (748)	620
Al Jawf	650	618	670
Amran	595	730 (725)	618
Dhamar	595	730	622
Hadramaut	NA	620 (682)	745
Hajjah	594	671 (713)	615
Ibb	592	NA	NA
Lahj	654 (654)	620 (688)	744 (744)
Marib	628	677 (735)	740
Sa'ada	598	750	NA
Sana'a	595	687 (730)	618
Sana'a City	598 (628)	711 (730)	617
Taizz	654 (656)	701 (730)	740 (740)

* Exchange rates in parentheses indicate the rate for new currency

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 June (R2) -20	Change since Dec-19 [^]	Change since May (R2)-20 [^]
Abyan	1764	2000	1112	8505	13381	NA	NA
Aden	1617	2000	1100	3780	8497	-37.1%	+1%
Al Dhale'e	2100	2000	900	7087.5	12087.5	NA	NA
Al Hudaydah	1365	2600	940	6300	11205	-64.5%	-18%
Al Jawf	2625	2000	1560	4725	10910	NA	+8.5%
Amran	1575	2400	1000	3150	8125	+7.7%	-10.4%
Dhamar	1575	2400	1000	3150	8125	NA	0%
Hadramaut	1921.5	2400	1100	12600	18021.5	NA	NA
Hajjah	1575	2400	1000	6300	11275	0%	0%
Lahj	2100	2280	1150	4725	10255	-14%	-2.3%
Marib	1575	2600	1100	3150	8425	NA	+4%
Sana'a City	1286.25	2400	1050	17325	22061.25	NA	+214%
Taizz	1575	2400	1063	10395	15433	+36.8%	+26.5%

Median cost of WASH SMEB in June (round 2)

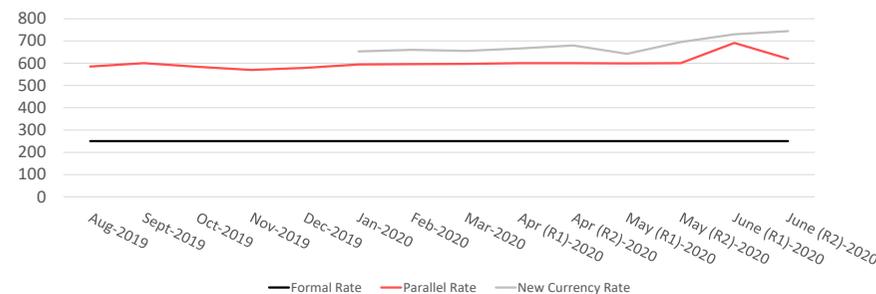
11,275 YER

Change since December 2019 **0 YER**
0%

Change since May (R2) 2020 **2,332 YER**
+26%

Exchange rate index

New currency introduced at the end of 2019



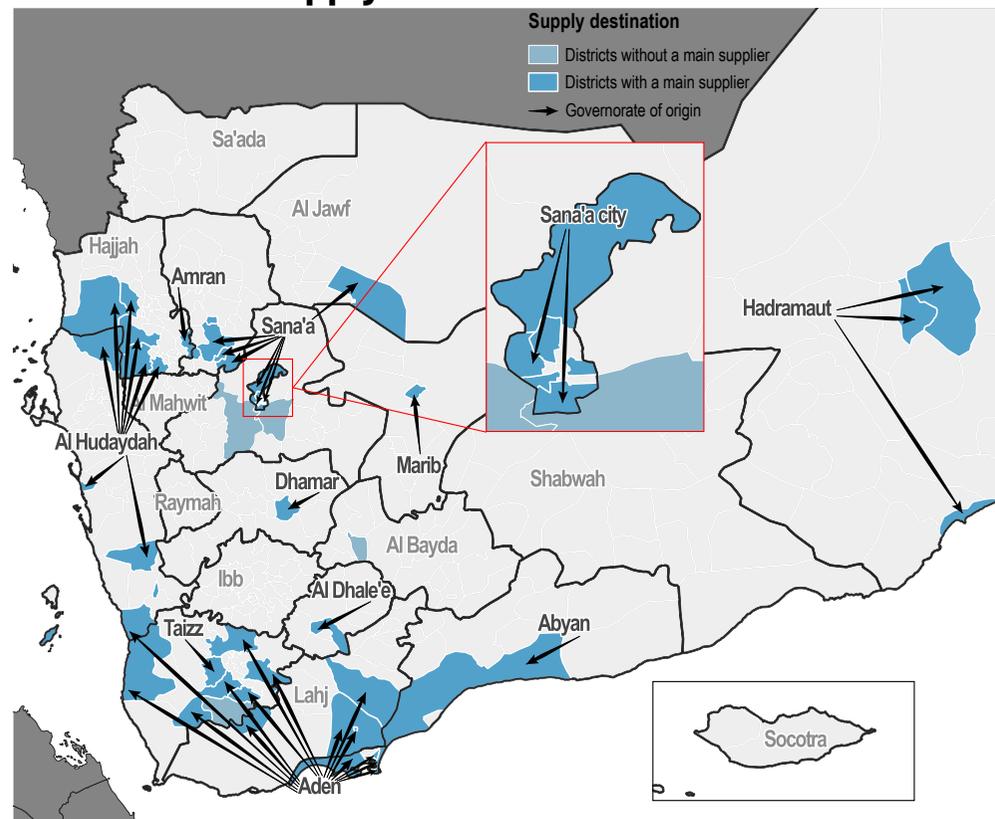
Proportion of vendors accepting credit as payment, by type of good

Type of good sold	Mar 2020	June R1 2020	May R2 2020
Fuel	4.7%	4.7%	19.8%
WASH NFIs	23.5%	23.5%	32.7%
Water Trucking	5.9%	5.9%	15.2%

* Not enough data to create the SMEB to compare across months in question

[^]Change in WASH SMEB price

WASH SMEB supply chain overview*



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
Abyan	Khanfir	Abyan	5 / 5	Lahj	Al Hawtah	Aden	3 / 3
Aden	Al Buraiqeh	Aden	3 / 3	Lahj	Al Maqatirah	Aden	3 / 3
Aden	Ash Shaikh Outhman	Aden	4 / 10	Lahj	Al Milah	Aden	3 / 6
Aden	Craiter	Aden	3 / 3	Lahj	Tuban	Aden	3 / 8
Aden	Khur Maksar	Aden	2 / 5	Marib	Marib City	Marib	3 / 3
Al Bayda	Rada'	NA	3 / 3	Sana'a	Bani Matar	NA	3 / 3
Al Dhale'e	Ad Dhale'e	Ad Dhale'e	5 / 5	Sana'a	Sanhan	NA	3 / 3
Al Hudaydah	Al Hawak	Al Hudaydah	3 / 3	Sana'a City	Al Wahdah	Sana'a	2 / 5
Al Hudaydah	Al Khawkhah	Aden	3 / 3	Sana'a City	As Sabain	Sana'a City	3 / 3
Al Hudaydah	Zabid	Al Hudaydah	7 / 7	Sana'a City	Ath'thorah	Sana'a	3 / 3
Al Jawf	Al Hazm	Sana'a	3 / 3	Sana'a City	Az'zal	Sana'a	3 / 3
Amran	Amran	Sana'a	2 / 5	Sana'a City	Bani Al Harith	Sana'a	3 / 3
Amran	Iyal Surayh	Sana'a	3 / 3	Sana'a City	Ma'ain	Sana'a City	2 / 5
Amran	Jabal Iyal Yazid	Sana'a	2 / 5	Taizz	Al Mukha	Aden	4 / 4
Dhamar	Dhamar City	Dhamar	3 / 3	Taizz	Al Ma'afer	Aden	5 / 7
Hadramaut	Al Mukalla City	Hadramaut	3 / 3	Taizz	Al Mawasit	Aden	5 / 8
Hadramaut	Sayun	Hadramaut	3 / 3	Taizz	Al Wazi'yah	Aden	3 / 3
Hadramaut	Tarim	Hadramaut	3 / 3	Taizz	Ash Shamayatayn	NA	4 / 4
Hajjah	Abs	Al Hudaydah	3 / 3	Taizz	At Ta'iziyah	Aden	3 / 3
Hajjah	Ash Shaghdirah	Al Hudaydah	2 / 5	Taizz	Dimnat Khadir	Aden	3 / 3
Hajjah	Aslem	Al Hudaydah	3 / 3	Taizz	Jabal Habashy	Taizz	14 / 14
Hajjah	Bani Qa'is	Al Hudaydah	2 / 5				
Hajjah	Ku'aydinah	Al Hudaydah	4 / 4				
Hajjah	Kuhlan Affar	Amran	4 / 10				

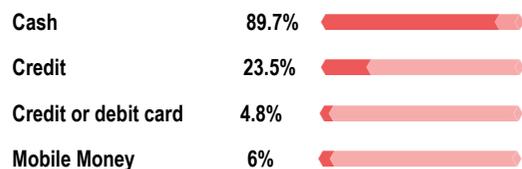
^AIf the number is 4/10 (e.g.), this indicates that 10 vendor KIs were interviewed, of those, 4 answered the supply question. The supplier governorate indicates the most prevalent answer. In the case of a tie, both governorates are shown.

*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

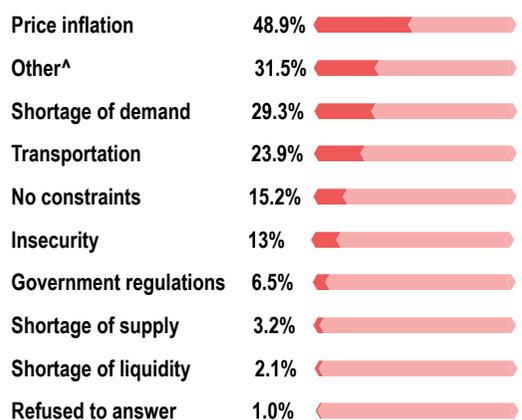
∞ Do Not Know was a potential option that could be selected by respondents

Payment modalities accepted: WASH vendors*



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

Most reported constraints for: WASH vendors*



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

^Includes increased currency fluctuations, loss of vendors in the area, and additional fees.

Median WASH SMEB cost by district (YER)

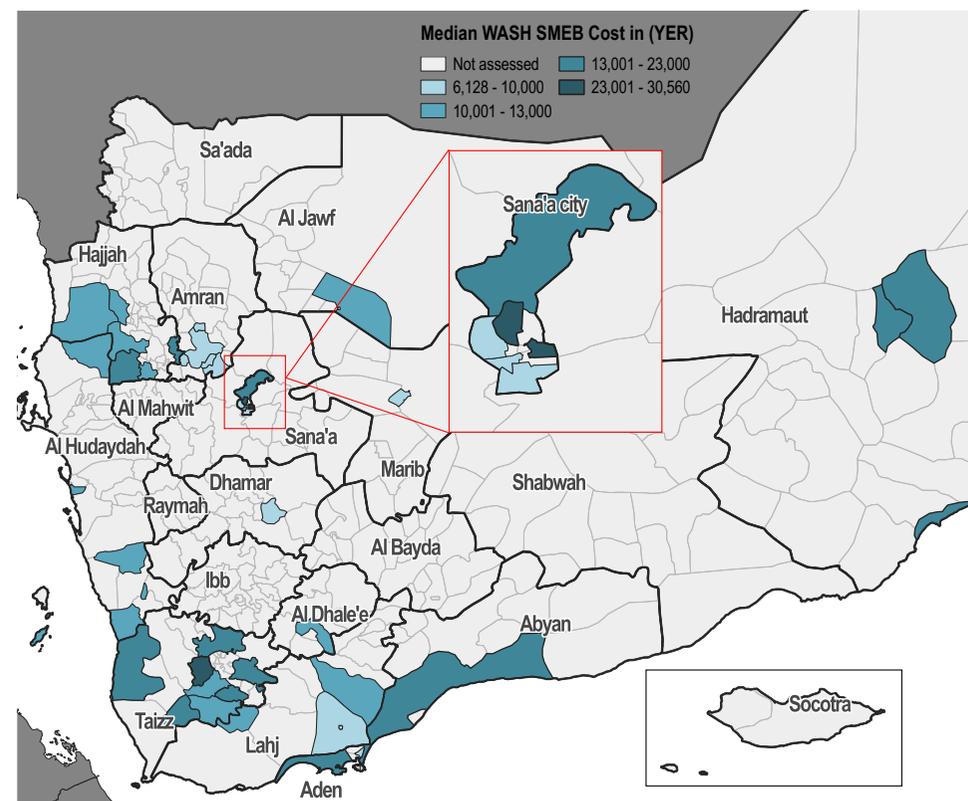
Governorate	District	SMEB cost
Abyan	Khanfir	13381
Aden	Ash Shaikh Outhman	7195
Aden	Al Buraiqeh	15074
Aden	Craiter	9120
Aden	Khur Maksar	20325

Governorate	District	SMEB cost
Al Bayda	Rada'	NA
Al Dhale'e	Ad Dhale'e	12087.5
Al Hudaydah	Az Zuhrah	11275
Al Hudaydah	Al Khawkhah	11275
Al Hudaydah	Al Hawak	11265
Al Hudaydah	Zabid	11185
Al Jawf	Al Hazm	10910
Amran	Jabal Iyal Yazid	9052.5
Amran	Amran	8347.5
Amran	Iyal Surayh	8225
Dhamar	Dhamar City	8125
Hadramaut	Sayun	18721.5
Hadramaut	Tarim	14305
Hadramaut	Al Mukalla City	21250
Hajjah	Abs	11875
Hajjah	Aslem	12850
Hajjah	Kuhlan Affar	17775
Hajjah	Ku'aydinah	11275
Hajjah	Bani Qa'is	13250
Hajjah	Ash Shaghadirah	11470
Lahj	Al Milah	11960
Lahj	Al Maqatirah	11820
Lahj	Al Hawtah	9830
Lahj	Tuban	7745
Marib	Marib City	8425
Sana'a	Sanhan	NA
Sana'a	Bani Matar	NA
Sana'a City	Az'zal	27125
Sana'a City	As Sabain	8009.5
Sana'a City	Al Wahdah	6828.75
Sana'a City	Ma'ain	6127.5
Sana'a City	Ath'thaorah	30560
Sana'a City	Bani Al Harith	21110
Taizz	Al Mukha	15901.25
Taizz	Jabal Habashy	23925
Taizz	Dimnat Khadir	15962.5
Taizz	Ash Shamayatayn	11465
Taizz	Al Wazi'yah	16198.75
Taizz	At Ta'iziyah	17325
Taizz	Al Ma'afer	11275
Taizz	Al Mawasit	16769

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

Bold red indicates outlier (3 standard deviations away)

Median cost of WASH SMEB



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

PRICE MONITORING OVERVIEW FOR YEMEN*

Median price levels, per item, per month (YER)

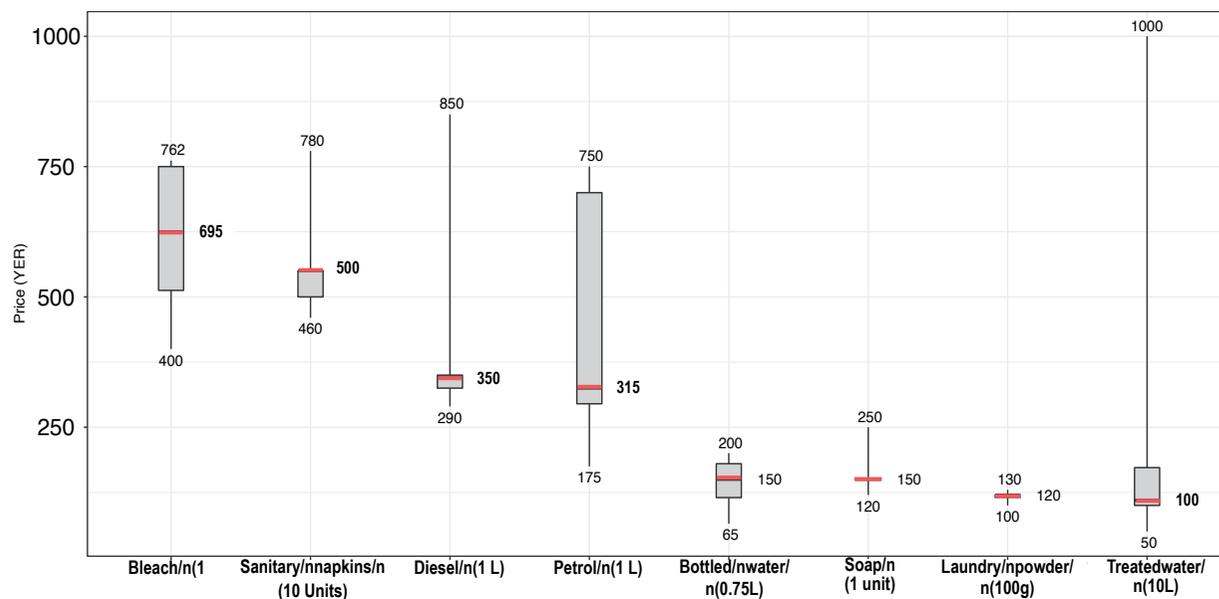
Item	September 2017 (baseline) [^]	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr (R2) 2020	May (R1) 2020	May (R2) 2020	Jun (R1) 2020	Jun (R2) 2020	% Change (May R2- Jun R2)
Petrol (1L)	275	365	365	370	365	295	295	295	295	315	+6.7%
Diesel (1L)	235	420	430	424	430	345	345	345	345	350	+1.4%
Bottled Water (.75L)	70	130	125	135	138	131	133	150	139	150	+7.9%
Treated Water (10L)	NA [~]	129	135	123	120	162	128	113	100	100	0%
Soap (1 Unit)	88	150	150	150	150	150	150	150	158	150	-5%
Laundry Powder (100g)	50	118	111	112	120	120	120	120	118	120	+1.6%
Sanitary Napkins (10)	250	500	500	500	513	500	513	530	520	500	-3.8%
Bleach (1L)	NA	NA	NA	NA	NA	700	700	688	691	695	+0.5%
Water Trucking (1m ³)	825	2000	2417	2292	2000	1550	2167	1250	3125	2000	-36%

* 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

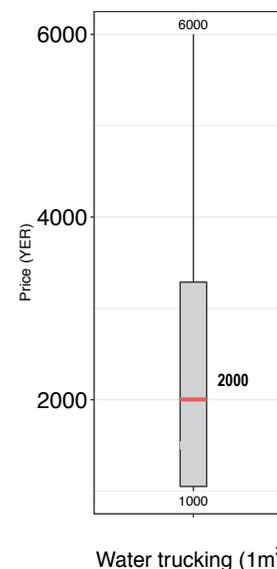


June (round 2) 2020 median price per governorate (YER)

Governorate	Petrol (1L)	Diesel (1L)	Bottled water	Treated water	Soap (1 Unit)	Laundry powder	Sanitary napkins	Bleach (1L)	Water trucking
Abyan	300	325	200	100	168	100	556	820	2700
Aden	280	290	200	100	154	100	550	800	1200
Al Bayda	NA	345	100	165	NA	NA	NA	NA	NA
Al Dhale'e	295	310	150	150	200	100	450	1000	2250
Al Hudaydah	515	550	160	100	130	130	470	470	2000
Al Jawf	750	NA	200	1000	250	100	780	550	1500
Amran	NA	NA	130	120	150	120	500	700	1000
Dhamar	750	850	150	500	150	120	500	750	1000
Hadramaut	285	305	100	545	183	120	550	750	4000
Hajjah	700	750	150	100	150	120	500	500	2000
Lahj	300	325	200	175	200	114	575	550	1500
Marib	175	325	65	50	150	130	550	750	1000
Sana'a	NA	345	100	165	NA	NA	NA	NA	NA
Sana'a City	295	345	100	100	122.5	120	525	400	5500
Taizz	325	350	150	100	150	120	531.5	773	3300

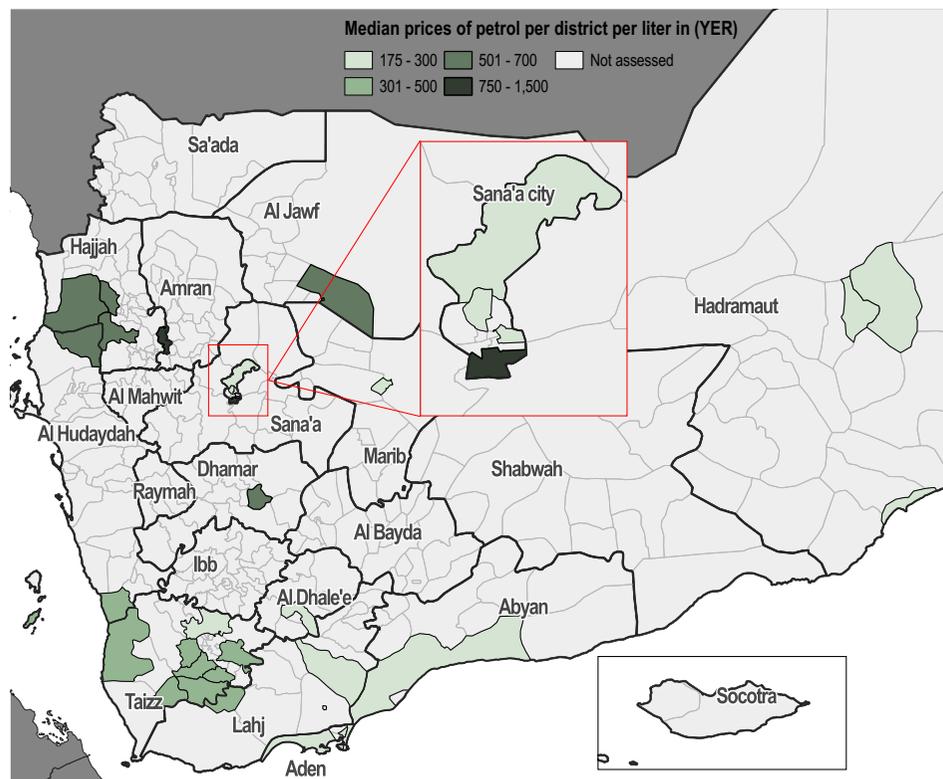
* N/As indicates that the specific question was not answered by the KIs

Origin of goods by governorate



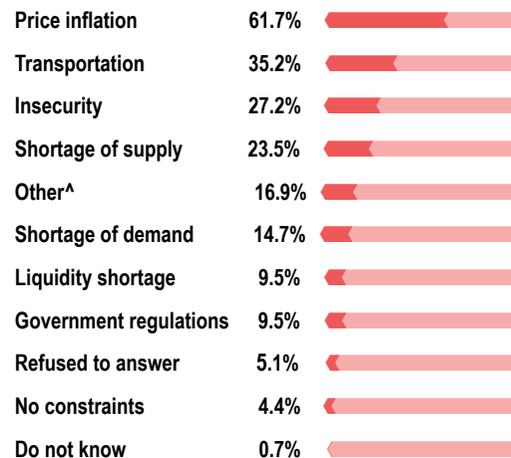
Governorate	Governorate origin: fuel	Governorate origin: WASH
Abyan	Aden	Abyan
Aden	Aden	Aden
Al Bayda	NA	NA
Al Dhale'e	Aden	Al Dhale'e
Al Hudaydah	al Hudaydah	al Hudaydah
Al Jawf	Marib	Sana'a
Amran	NA	Sana'a
Dhamar	Dhamar	Dhamar
Hadramaut	Hadramaut	Hadramaut
Hajjah	al Hudaydah	al Hudaydah
Lahj	Aden	Aden
Marib	Marib	Marib
Sana'a	Do not know	Do not know
Sana'a City	Sana'a	Sana'a
Taizz	Aden	Aden

Petrol prices



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.

^Includes exchange rate fluctuations and some crowds

Payment modalities accepted: fuel vendors*



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

Governorate	District	Petrol price
Ad Dhale'e	Ad Dhale'e	295
Al Hudaydah	Al Hawak	NA
Al Hudaydah	Al Khawkhah	325
Al Hudaydah	Az Zuhrah	700
Al Hudaydah	Zabid	NA
Al Jawf	Al Hazm	750
Amran	Amran	NA
Amran	Iyal Surayh	NA
Amran	Jabal Iyal Yazid	NA
Dhamar	Dhamar City	750
Hadramaut	Al Mukalla City	270
Hadramaut	Sayun	285
Hadramaut	Tarim	285
Hajjah	Abs	600
Hajjah	Ash Shaghadirah	NA
Hajjah	Aslem	700
Hajjah	Bani Qa'is	NA
Hajjah	Ku'aydinah	700
Hajjah	Kuhlan Affar	1500
Lahj	Al Hawtah	300
Lahj	Al Maqatirah	325
Lahj	Al Milah	280
Lahj	Tuban	NA
Marib	Marib City	175
Sana'a	Bani Matar	NA
Sana'a	Sanhan	NA
Sana'a City	Al Wahdah	NA
Sana'a City	As Sabain	800
Sana'a City	Ath'thorah	295
Sana'a City	Az'zal	295
Sana'a City	Bani Al Harith	295
Sana'a City	Ma'ain	
Taizz	Al Mukha	320
Taizz	Al Ma'afer	315
Taizz	Al Mawasit	325
Taizz	Al Wazi'iyah	325
Taizz	Ash Shamayatayn	315
Taizz	At Ta'iziyah	295
Taizz	Dimnat Khadir	312.5
Taizz	Jabal Habashy	325

N/A indicates that, in the specific location, fuel was reported unavailable.

Median petrol price by district (YER)

Governorate	District	Petrol price
Abyan	Khanfir	300
Aden	Al Buraiqeh	280
Aden	Ash Shaikh Outhman	280
Aden	Craiter	300
Aden	Khur Maksar	280
Al Bayda	Rada'	NA

Overview of water trucking

77% of water trucking vendor KIs stated that they charged delivery costs based on the distance between the water source and the delivery point. The average price for an additional 5km is **6,686 YER** and **9,855 YER** for an additional 10 km.

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

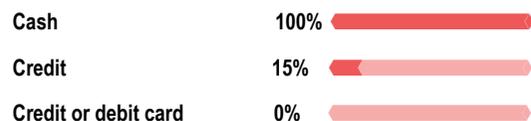
27% of water trucking vendor KIs stated that they sell chlorinated water. Additionally, **10%** of water trucking vendor KIs reported being unaware whether or not the water they sold was chlorinated.

75% of water trucking vendor KIs reported sourcing water from a pumping station or a borehole.

16% of water trucking vendor KIs reported sourcing water from a treatment station.

7.6% of water trucking vendor KIs reported sourcing water from a spring.

Payment modalities accepted: water trucking*



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

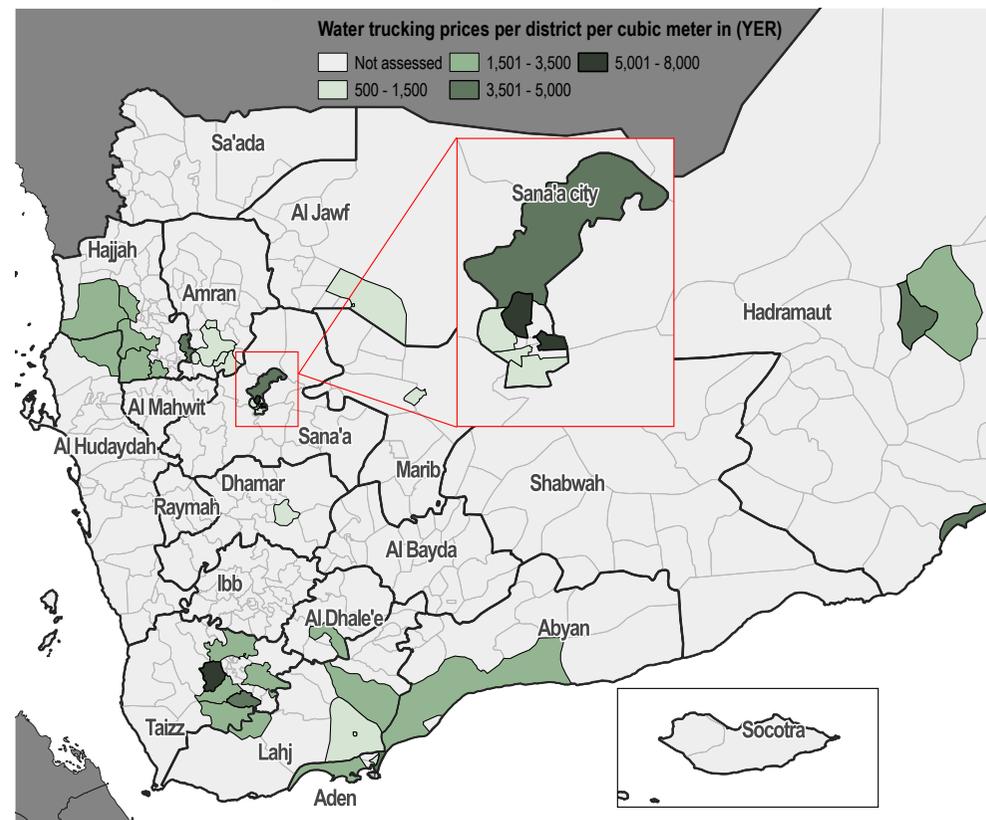
Median water trucking price by district (YER)

Governorate	District	Water trucking price
Abyan	Khanfir	2700
Aden	Al Buraieqeh	3300
Aden	Ash Shaikh Outhman	800
Aden	Craiter	1200
Aden	Khur Maksar	5000
Al Bayda	Rada'	NA

Governorate	District	Water trucking price
Al Dhale'e	Ad Dhale'e	2250
Al Hudaydah	Al Hawak	NA
Al Hudaydah	Al Khawkhah	NA
Al Hudaydah	Az Zuhrah	2000
Al Hudaydah	Zabid	NA
Al Jawf	Al Hazm	1500
Amran	Amran	1000
Amran	Iyal Surayh	1000
Amran	Jabal Iyal Yazid	1200
Dhamar	Dhamar City	1000
Hadramaut	Al Mukalla City	5000
Hadramaut	Sayun	4000
Hadramaut	Tarim	3000
Hajjah	Abs	2000
Hajjah	Ash Shaghadirah	2000
Hajjah	Aslem	2500
Hajjah	Bani Qa'is	2500
Hajjah	Ku'aydinah	2000
Hajjah	Kuhlani Affar	4000
Lahj	Al Hawtah	1400
Lahj	Al Maqatirah	2000
Lahj	Al Milah	2000
Lahj	Tuban	1000
Marib	Marib City	1000
Sana'a	Bani Matar	NA
Sana'a	Sanhan	NA
Sana'a City	Al Wahdah	700
Sana'a City	As Sabain	1000
Sana'a City	Ath'thaorah	8000
Sana'a City	Az'zal	7000
Sana'a City	Bani Al Harith	5000
Sana'a City	Ma'ain	650
Taizz	Al Mukha	NA
Taizz	Al Ma'afer	2000
Taizz	Al Mawasit	3750
Taizz	Al Wazi'yah	NA
Taizz	Ash Shamayatayn	2050
Taizz	At Ta'iziyah	3500
Taizz	Dimnat Khadir	3150
Taizz	Jabal Habashy	6000

N/A indicates that in this specific location water trucking was reportedly unavailable.

Water trucking prices



Governorate supply chain according to fuel vendor

Governorate	District	Supplier Governorate	Number respondents of total interviewed [^]	Governorate	District	Supplier Governorate	Number respondents of total interviewed [^]
Abyan	Khanfir	Aden	3 / 5	Hajjah	Kuhlan Affar	Al Hudaydah	4 / 10
Aden	Al Buraiqeh	Aden	3 / 3	Lahj	Al Hawtah	Aden	3 / 3
Aden	Ash Shaikh Outhman	Aden	3 / 10	Lahj	Al Maqatirah	Aden	3 / 3
Aden	Craiter	Aden	3 / 3	Lahj	Al Milah	Aden	2 / 6
Aden	Khur Maksar	Aden	1 / 5	Lahj	Tuban	Aden	3 / 8
Al Bayda	Rada'	Do not know	3 / 3	Marib	Marib City	Marib	3 / 3
Al Dhale'e	Ad Dhale'e	Aden	4 / 5	Sana'a	Bani Matar	Do not know	3 / 3
Al Hudaydah	Al Hawak	Al Hudaydah	3 / 3	Sana'a	Sanhan	Do not know	3 / 3
Al Hudaydah	Al Khawkhah	Aden	3 / 3	Sana'a City	Al Wahdah	Sana'a	0 / 5
Al Hudaydah	Az Zuhrah	Al Hudaydah	3 / 3	Sana'a City	As Sabain	Sana'a City	3 / 3
Al Hudaydah	Zabid	Al Hudaydah	7 / 7	Sana'a City	Ath'thaorah	Sana'a	3 / 3
Al Jawf	Al Hazm	Sana'a City	3 / 3	Sana'a City	Az'zal	Sana'a	3 / 3
Amran	Amran	Marib	0 / 5	Sana'a City	Bani Al Harith	Sana'a City	3 / 3
Amran	Iyal Surayh	Sana'a	0 / 3	Sana'a City	Ma'ain	NA	0 / 5
Amran	Jabal Iyal Yazid	Sana'a	0 / 5	Taizz	Al Mukha	Aden	4 / 4
Dhamar	Dhamar City	Dhamar	3 / 3	Taizz	Al Ma'afer	Aden	5 / 7
Hadramaut	Al Mukalla City	Hadramaut	3 / 3	Taizz	Al Mawasit	Lahj	5 / 8
Hadramaut	Sayun	Hadramaut	3 / 3	Taizz	Al Wazi'yah	Aden	3 / 3
Hadramaut	Tarim	Hadramaut	3 / 3	Taizz	Ash Shamayatayn	NA	4 / 4
Hajjah	Abs	Al Hudaydah	3 / 3	Taizz	At Ta'iziyah	Aden	3 / 3
Hajjah	Ash Shaghadirah	NA	0 / 5	Taizz	Dimnat Khadir	Aden	3 / 3
Hajjah	Aslem	Al Hudaydah	3 / 3	Taizz	Jabal Habashy	Lahj	8 / 14
Hajjah	Bani Qa'is	NA	0 / 5				
Hajjah	Ku'aydinah	Al Hudaydah	4 / 4				

[^]If the number is 4/10 (e.g.), this indicates that 10 vendor KIs were interviewed, of those, 4 answered the supply question.

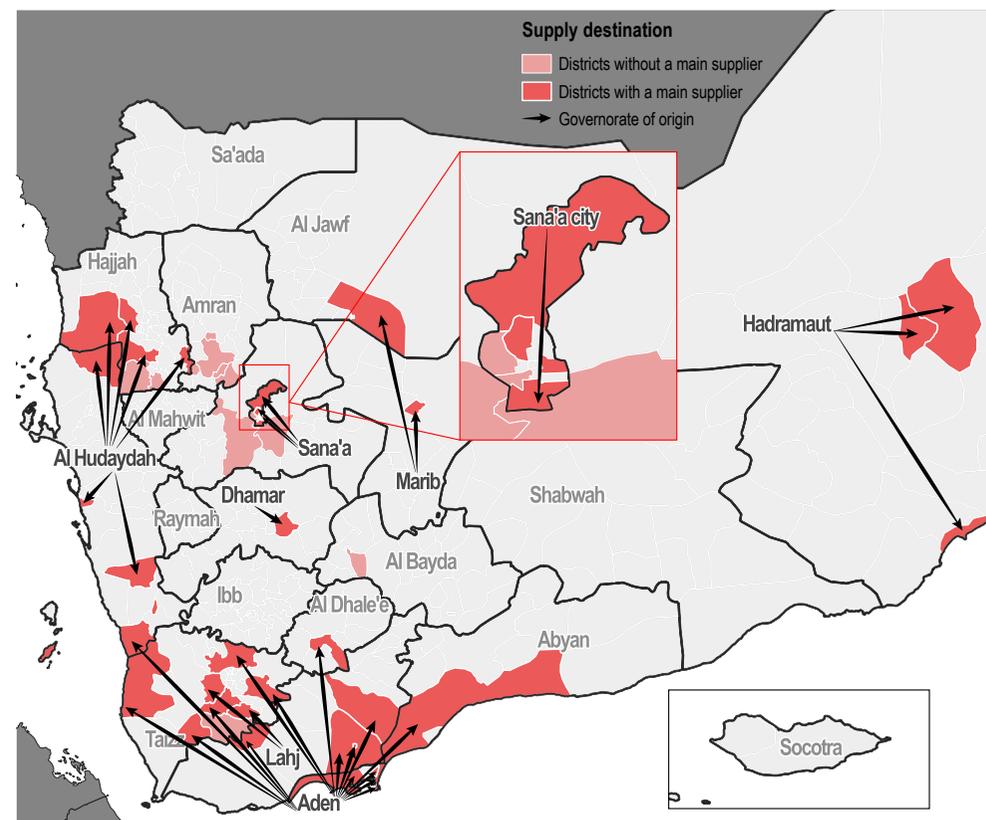
The supplier governorate indicates the most prevalent answer. In the case of a tie, both governorates are shown.

*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

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

Petrol and diesel main supply chain overview*

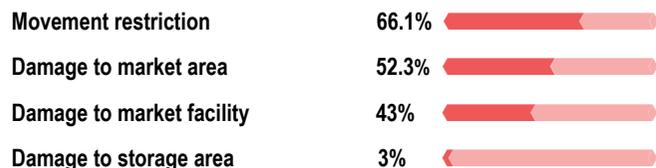


SUPPLY CHAIN OVERVIEW FOR YEMEN

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*

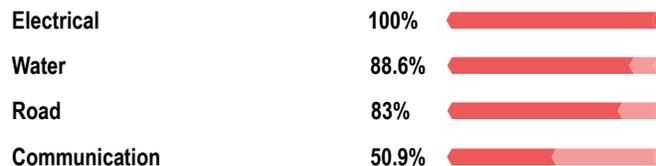


*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Most reported damaged infrastructure affecting vendor capacity to conduct business*

The **41%** of 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	300	345	130	150	500
al Hudaydah	700	750	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 all goods originating from Aden being cheaper than those from al Hudaydah. The higher price is highlighted in red.

Average restocking time (days)

-Change in days from May (round 2) 2020 in brackets -

Governorate	Fuel items	WASH items
Abyan	5 (-1)	2 (0)
Aden	2 (0)	7 (1)
Al Bayda	NA	4 (0)
Al Dhale'e	5 (NA)	14 (5)
Al Hudaydah	10 (3)	3 (-1)
Al Jawf	4 (0)	9 (2)
Amran	14 (0)	3 (1)
Dhamar	15 (12)	5 (0)
Hadramaut	2 (NA)	11 (-2)
Hajjah	13 (4)	6 (-1)
Lahj	4 (-1)	1 (-1)
Marib	25 (14)	2 (-3)
Sana'a	NA	6 (2)
Sana'a City	4 (2)	NA
Taizz	5 (-1)	NA

* N/A 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.

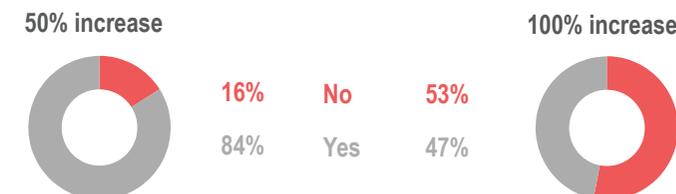
Vendor capacity to respond to a 50% and 100% increase in demand for fuel items



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.

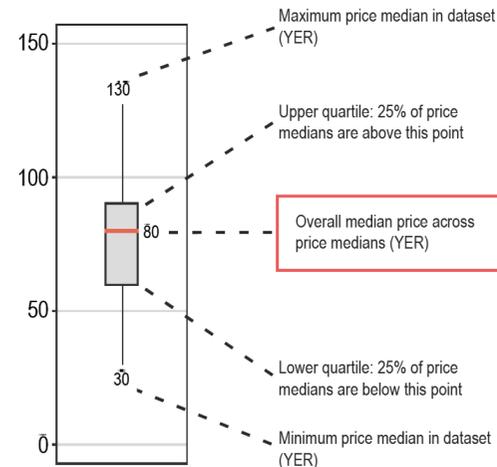
Limitations

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, 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	June Round 1	June Round 2
Abyan	NA	1
Aden	3	4
Al Bayda	1	1
Al Dhale'e	NA	1
Al Hudaydah	4	4
Al Jawf	1	1
Amran	3	3
Dhamar	1	1
Hadramaut	3	3
Hajjah	5	6
Lahj	4	4
Marib	2	1
Sa'ada	1	NA
Sana'a	2	2
Sana'a City	6	6
Taizz	8	8

Participating partners include

