

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 April (Round 1) 12 Apr - 19 Apr

- 11 Participating partners
- 39 Districts assessed
- 176 Vendor KIs surveyed

Data collection April (Round 2) 25 Apr - 30 Apr

- 11 Participating partners
- 52 Districts assessed
- 278 Vendor KIs surveyed

Key findings

In April (round 2) 2020, the Yemeni Riyal (YER) stayed steady against US Dollar (USD), with the YER depreciating only slightly at 0.5% on the parallel market.

250
USD/YER
Official
▶ **0.0%**

600
USD/YER
Parallel market**
▲ **+0.5%**

597
USD/YER
Previous Parallel Market
Rate March 2020

In April (round 2) 2020, the JMMI also tracked the exchange rate for recently issued notes circulating in parts of Yemen.

680
USD/YER
New currency market

Key price figures

Between March 2020 and April (round 2) 2020, the price for treated water saw an increase of 35.0%, while water trucking decreased by 22.5%, which had an impact on the total SMEB.

Petrol Price (1L)	295 YER	▼	-19.2%
Diesel Price (1L)	345 YER	▼	-19.8%
Bottled Water Price (0.75L)	131 YER	▼	-5.1%
Treated Water Price (10L)	162 YER	▲	+35.0%
Water Trucking Price (1m³)	1,550 YER	▼	-22.5%
Soap (100g)	150 YER	▶	0.0%
Sanitary Napkins (10 Pack)	500 YER	▼	-2.5%
Laundry Powder (100 g)	120 YER	▶	0.0%

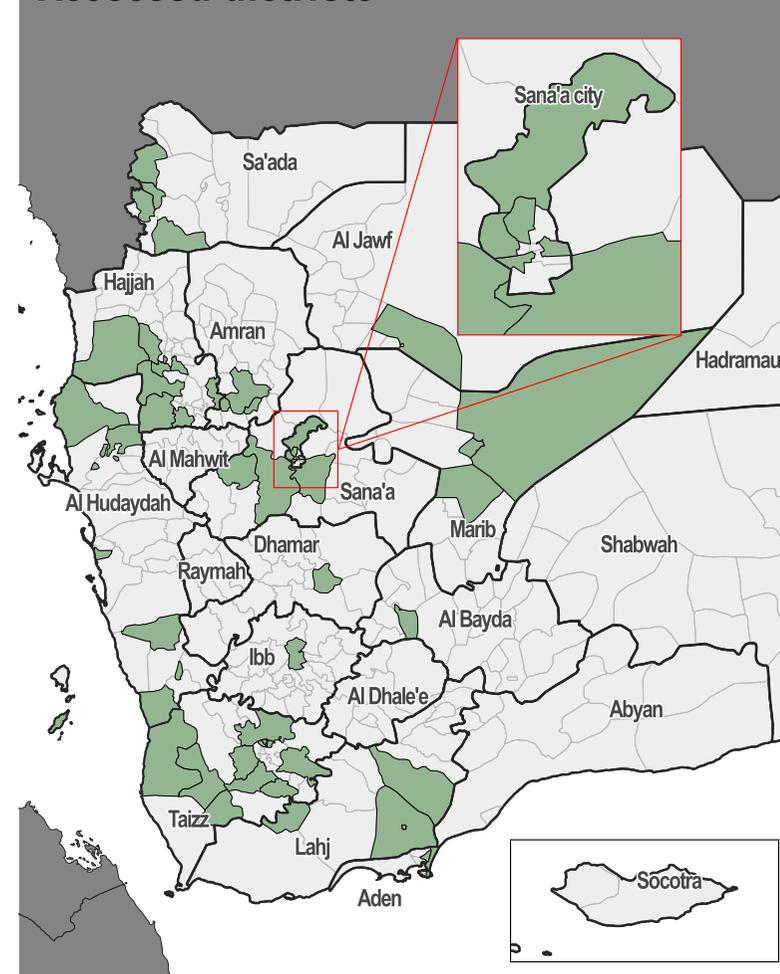
WASH SMEB

The median cost for the WASH SMEB was calculated to be 9,858 YER, marking a decrease of 12.8% from the cost observed in March 2020.

Apr (R2) 9,858 YER / Mar 11,300 YER ▼ 1,442 YER -12.8%

*242 of the 278 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

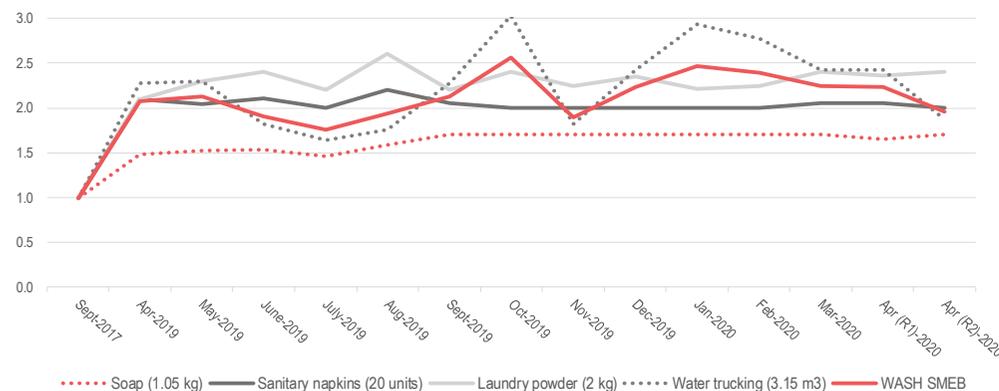
WASH SMEB COST OVERVIEW

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	Mar 2020	Apr (R1) 2020	Apr (R2) 2020
Aden	658 (658)	670 (669)	680 (680)
Al Bayda	596 (596)	598	600
Al Hudaydah	595 (597)	598 (598)	599 (670)
Al Jawf	650	610	620
Amran	595	599	599
Dhamar	595	601	601
Hajjah	594	597	598
Ibb	592	598	599
Lahj	654 (654)	(666)	674 (674)
Marib	628	650	680 (680)
Sa'ada	598	601	600
Sana'a	595	598	599
Sana'a City	598 (628)	596	599
Taizz	654 (656)	650 (665)	673 (680)

* 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 m ³)	WASH SMEB Apr (R2) -20	Change since Oct-19 [^]	Change since Mar-20 [^]
Aden	1404	1800	1000	9450	13654	-39.6%	+11.8%
Al Bayda	-	-	-	-	-	NA	NA
Al Hudaydah	1260	2400	1000	6300	10960	-13.4%	-24.5%
Al Jawf	2625	2000	1250	4095	9970	NA	+4.1%
Amran	1706	2315	1000	3167	8188	+6.0%	+0.8%
Dhamar	1575	2400	1000	2362	7338	NA	-9.7%
Hajjah	1575	2400	1200	6300	11475	-10.1%	-9.3%
Ibb	2100	3000	1112	6300	12512	+65.8%	-11.1%
Lahj	1575	1960	1100	4882	9518	-8.4%	-1.0%
Marib	1365	3200	650	3150	8365	NA	-20.0%
Sa'ada	1470	4000	1200	9450	16120	-23.6%	+13.9%
Sana'a	1260	2400	1400	2520	7580	-47.7%	-7.2%
Sana'a City	1286	2000	980	2362	6629	-39.9%	-21.9%
Taizz	1575	2200	1000	6822	11597	-9.7%	-3.9%

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

[^]Change in WASH SMEB price

Median cost of WASH SMEB in April (round 2)

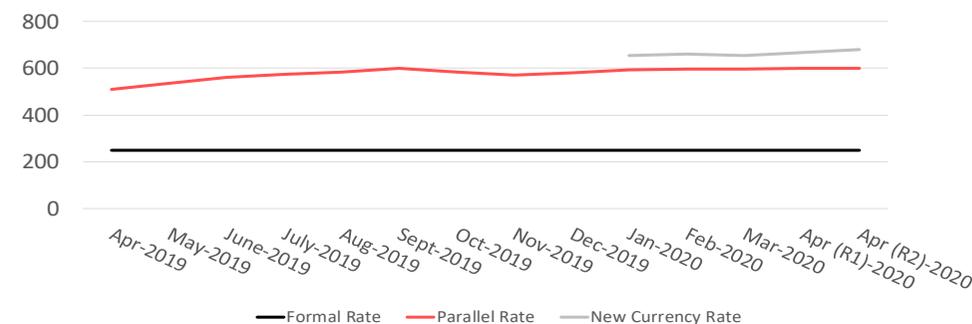
9,858 YER

Change since October 2019 ▼ 2,992 YER -23.3%

Change since March 2020 ▼ 1,442 YER -12.8%

Exchange rate index

New currency introduced at the end of 2019



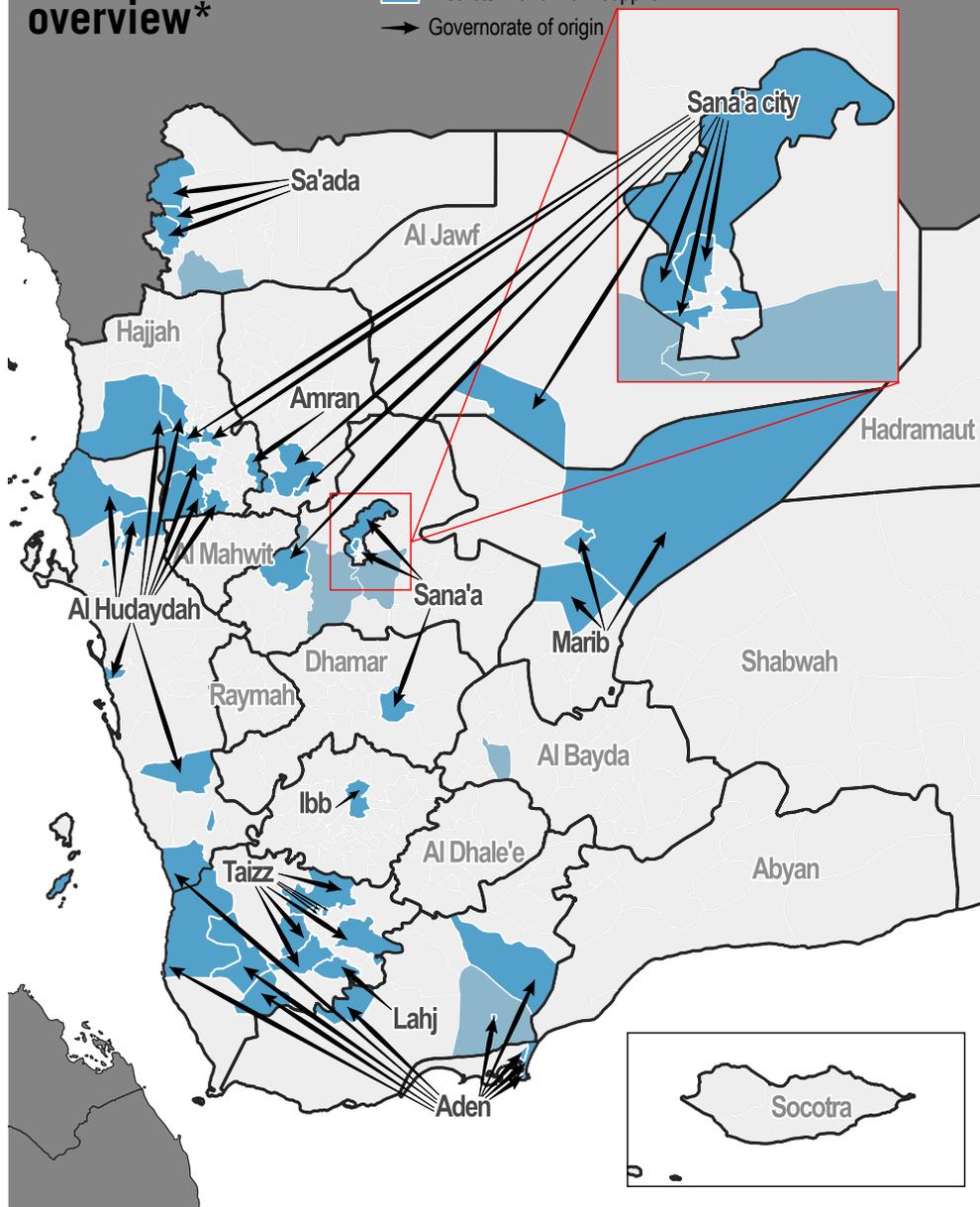
Proportion of vendors accepting credit as payment, by type of good

Type of good sold	Mar 2020	Apr R1 2020	April R2 2020
Fuel	4.7%	5.6%	14.1%
WASH NFIs	23.5%	16.1%	28.0%
Water Trucking	5.9%	7.7%	11.4%

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	Marib	Al Jubah	Marib	1 / 13
Aden	Craiter	Aden	3 / 3	Marib	Marib	Marib	5 / 15
Aden	Khur Maksar	Aden	4 / 10	Marib	Marib City	Marib	3 / 4
Al Bayda	Rada'	Do not know	5 / 5	Sa'ada	Ghamr	Sa'ada	3 / 3
Al Hudaydah	Al Hawak	Al Hudaydah	3 / 3	Sa'ada	Haydan	Do not know	5 / 5
Al Hudaydah	Al Khawkhah	Aden	3 / 3	Sa'ada	Monabbih	Sa'ada	3 / 3
Al Hudaydah	Al Qanawis	Al Hudaydah	3 / 3	Sa'ada	Razih	Sa'ada	4 / 4
Al Hudaydah	Alluheyah	Al Hudaydah	3 / 3	Sana'a	Al Haymah Ad Dakhiliyah	Sana'a City	2 / 4
Al Hudaydah	Zabid	Al Hudaydah	10 / 10	Sana'a	Bani Matar	Do not know	3 / 3
Al Jawf	Al Hazm	Sana'a City	3 / 3	Sana'a	Sanhan	Do not know	3 / 3
Amran	Amran	Sana'a City	5 / 8	Sana'a City	Al Wahdah	Sana'a City	2 / 5
Amran	Jabal Iyal Yazid	Sana'a City	2 / 5	Sana'a City	Ath'thaorah	Sana'a City	5 / 5
Dhamar	Dhamar City	Sana'a	3 / 3	Sana'a City	Az'zal	Sana'a	3 / 3
Hajjah	Abs	Al Hudaydah	3 / 3	Sana'a City	Bani Al Harith	Sana'a	3 / 3
Hajjah	Al Mahabishah	Sana'a City	3 / 3	Sana'a City	Ma'ain	Sana'a City	2 / 5
Hajjah	Ash Shaghdirah	Al Hudaydah	1 / 4	Taizz	Al Mukha	Aden	9 / 9
Hajjah	Aslem	Al Hudaydah	3 / 3	Taizz	Al Ma'afar	Taizz	5 / 9
Hajjah	Bani Qa'is	Al Hudaydah	3 / 6	Taizz	Al Mawasit	Lahj	3 / 8
Hajjah	Ku'aydinah	Al Hudaydah	3 / 3	Taizz	Al Mudhaffar	Taizz	7 / 7
Hajjah	Kuhlan Affar	Amran	4 / 10	Taizz	Al Qahirah	Taizz	3 / 3
Hajjah	Qaf Shamer	Sana'a City	3 / 3	Taizz	Al Wazi'iyah	Aden	3 / 3
Ibb	Al Makhadir	Ibb	5 / 5	Taizz	At Ta'iziyah	Taizz	7 / 7
Lahj	Al Hawtah	Aden	3 / 3	Taizz	Dimnat Khadir	Taizz	4 / 4
Lahj	Al Maqatirah	Aden	3 / 3	Taizz	Jabal Habashy	Taizz	14 / 14
Lahj	Al Milah	Aden	1 / 3	Taizz	Mawza	Aden	3 / 3
Lahj	Tuban	NA	4 / 10	Taizz	Salh	Taizz	5 / 5

^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.

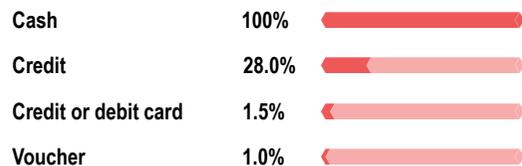
*The map shows WASH SMEB supply chains inside the same governorate and towards other governorates. Districts without a main supplier are those districts where vendor KIs could not identify the origin of the WASH items they sold.

~ 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 checkpoint fees and finding suppliers

Median WASH SMEB cost by district (YER)

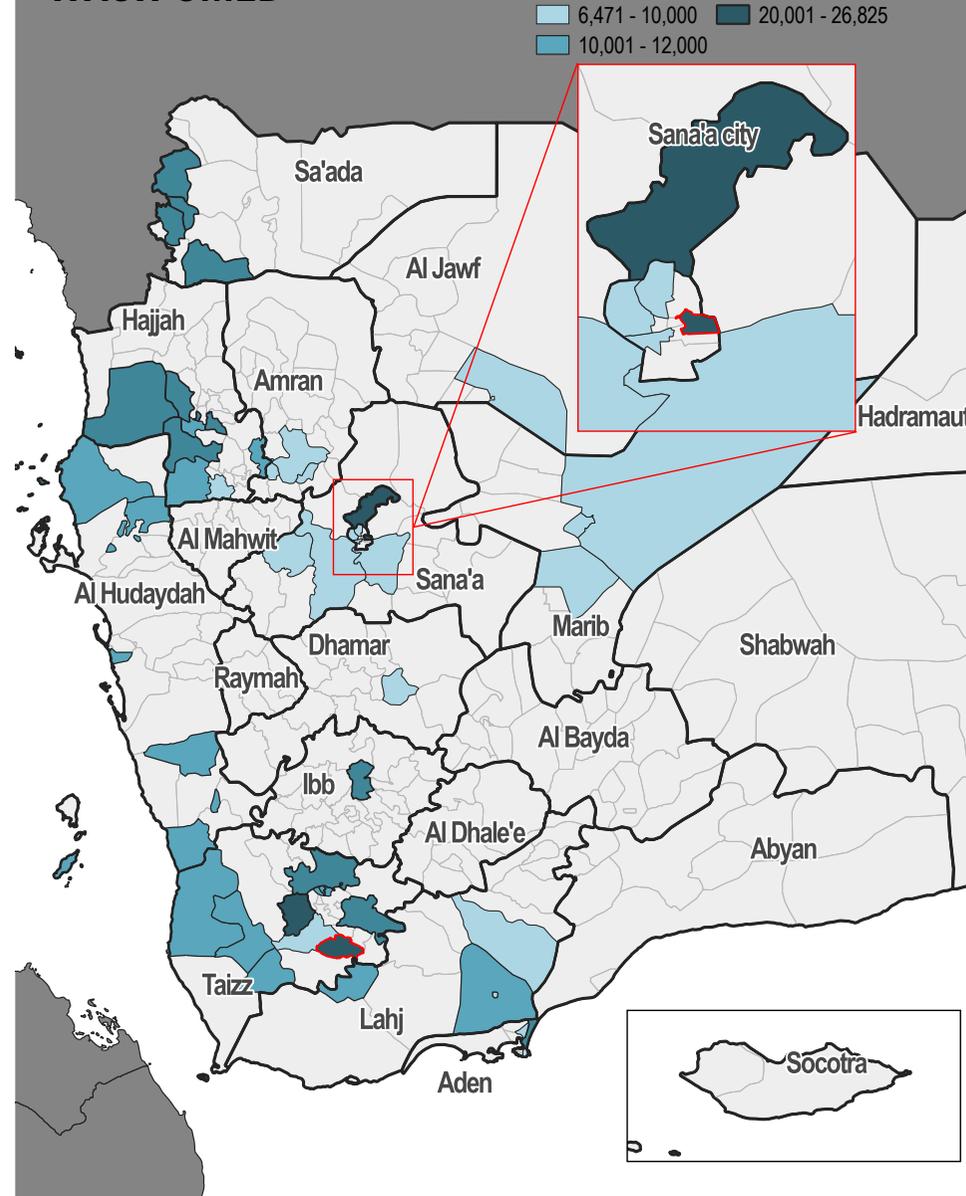
Governorate	District	SMEB cost
Aden	Ash Shaikh Outhman	7341
Aden	Craiter	8010
Aden	Khur Maksar	19968
Al Bayda	Rada'	NA
Al Hudaydah	Alluheyah	10560
Al Hudaydah	Al Qanawis	11600
Al Hudaydah	Al Khawkah	10408

Governorate	District	SMEB cost
Al Hudaydah	Al Hawak	11580
Al Hudaydah	Zabid	11195
Al Jawf	Al Hazm	9970
Amran	Jabal Iyal Yazid	8258
Amran	Amran	8118
Dhamar	Dhamar City	7338
Hajjah	Abs	15235
Hajjah	Aslem	18175
Hajjah	Qafi Shamer	11075
Hajjah	Al Mahabishah	13176
Hajjah	Kuhlan Affar	11475
Hajjah	Ku'aydinah	16700
Hajjah	Bani Qa'is	11370
Hajjah	Ash Shaghadirah	8755
Ibb	Al Makhadir	12512
Lahj	Al Milah	7745
Lahj	Al Maqatirah	10795
Lahj	Al Hawtah	9615
Lahj	Tuban	10050
Marib	Al Jubah	9183
Marib	Marib City	7915
Marib	Marib	8550
Sa'ada	Monabbih	16120
Sa'ada	Ghamr	16120
Sa'ada	Razih	14495
Sa'ada	Haydan	16120
Sana'a	Sanhan	7580
Sana'a	Bani Matar	7580
Sana'a	Al Haymah Ad Dakhiliyah	7580
Sana'a City	Az'zal	26825
Sana'a City	Al Wahdah	6533
Sana'a City	Ma'a'in	6471
Sana'a City	Ath'thaorah	9040
Sana'a City	Bani Al Harith	24070
Taizz	Al Mukha	11375
Taizz	Mawza	11160
Taizz	Jabal Habashy	21248
Taizz	Dimnat Khadir	13644
Taizz	Al Wazi'yah	11450
Taizz	Al Mudhaffar	10223
Taizz	Al Qahirah	11475
Taizz	Salh	11075
Taizz	At Ta'ziyah	12500
Taizz	Al Ma'afer	8630
Taizz	Al Mawasit	26700

*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.

Yemen Joint Market Monitoring Initiative (JMMI), April (round 2) 2020

PRICE MONITORING OVERVIEW FOR YEMEN*

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

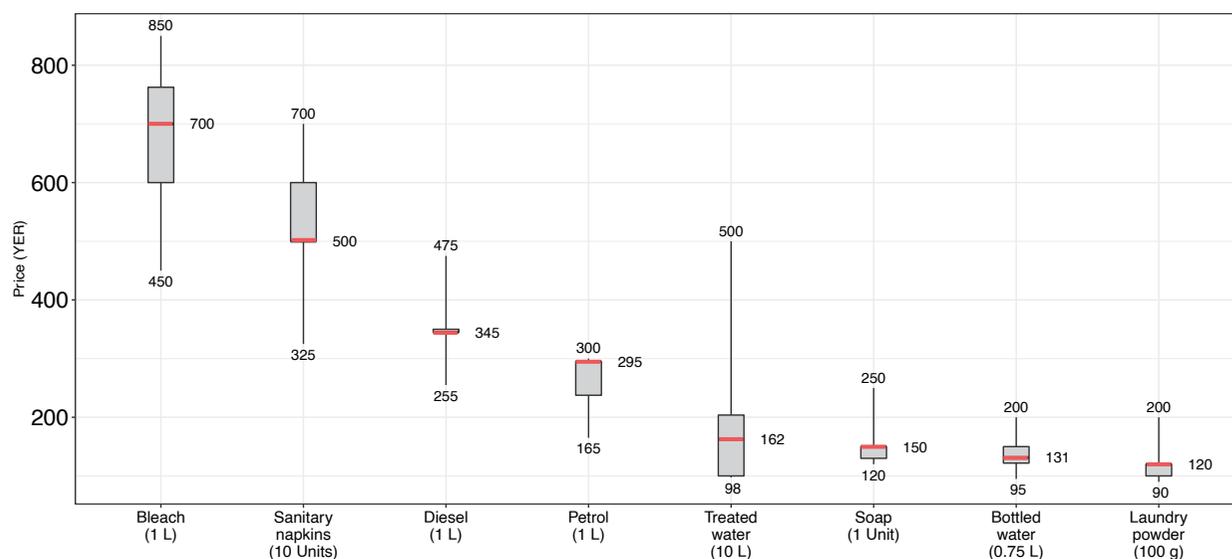
Item	September 2017 (baseline)^	Nov 2017^	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr (R1) 2020	Apr (R2) 2020	% Change (Mar-Apr-R2)
Petrol (1L)	275	349	365	365	365	370	365	295	295	-19.2%
Diesel (1L)	235	394	413	420	430	424	430	345	345	-19.8%
Bottled Water (.75L)	70	100	138	130	125	135	138	150	131	-5.1%
Treated Water (10L)	NA ↵	175 ↵	130	129	135	123	120	140	162	+35.0%
Soap (1 Unit)	88	NA	150	150	150	150	150	145	150	0.0%
Laundry Powder (100g)	50	NA	113	118	111	112	120	118	120	0.0%
Sanitary Napkins (10)	250	NA	500	500	500	500	513	513	500	-2.5%
Bleach (1L)	NA	NA	NA	NA	NA	NA	NA	700	700	NA
Water Trucking (1m³)	825	1,700	1,500	2000	2417	2292	2000	2000	1550	-22.5%

* 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



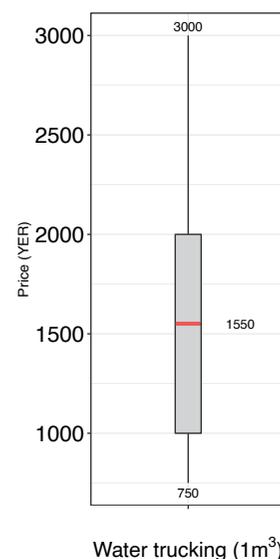
April (round 2) 2020 median price per governorate (YER)

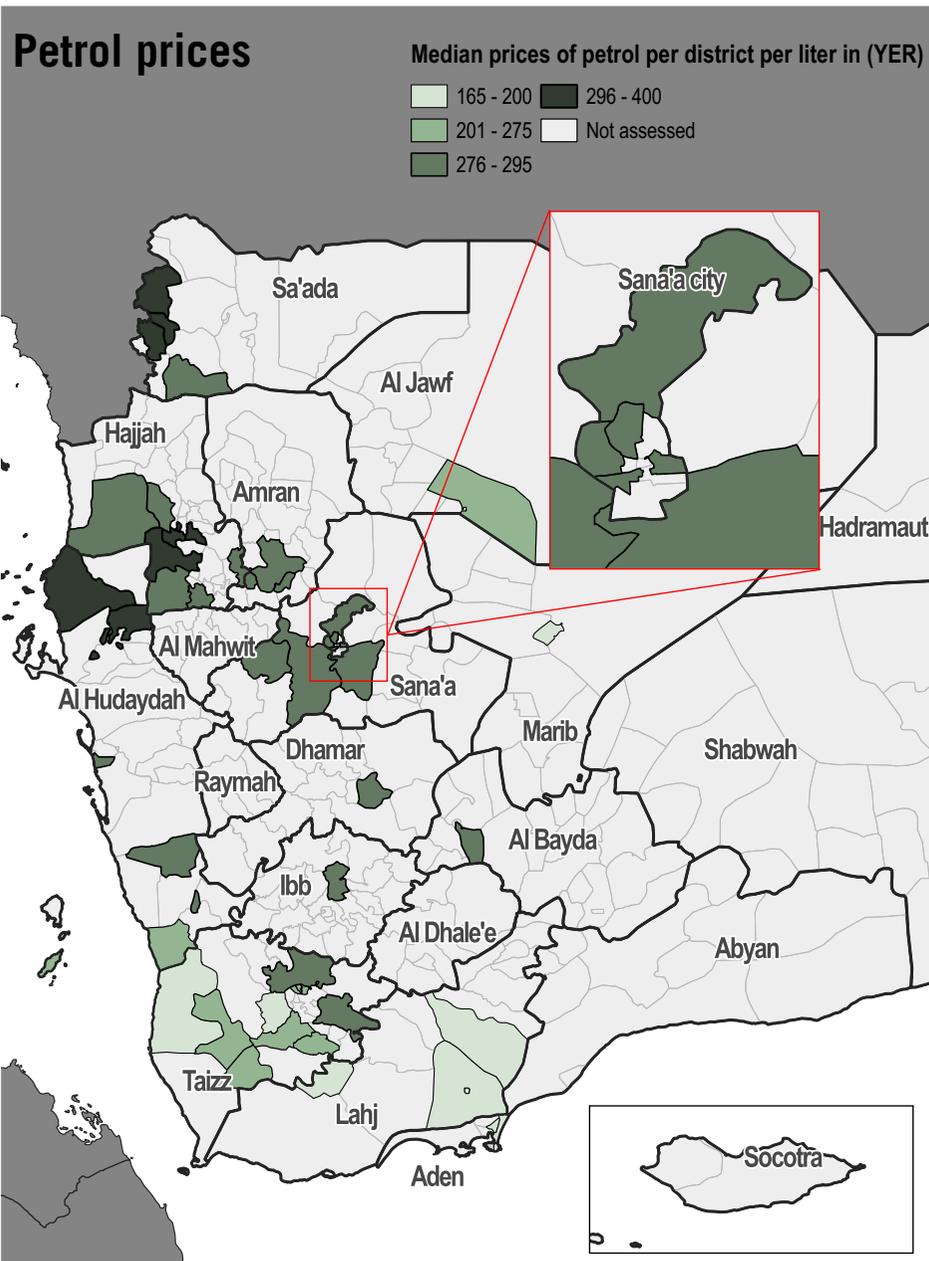
Governorate	Petrol (1L)	Diesel (1L)	Bottled water (0.75L)	Treated water (10L)	Soap (1 Unit)	Laundry powder (100g)	Sanitary napkins (10)	Bleach (1L)	Water trucking (1m³)
Aden	165	200	180	100	135	90	500	800	1200
Al Bayda	295	345	100	170	-	-	-	0	-
Al Hudaydah	295	348	150	100	125	104	500	600	2100
Al Jawf	275	475	200	-	250	100	625	500	1300
Amran	295	345	128	238	163	116	500	750	1005
Dhamar	295	345	130	500	150	120	500	700	750
Hajjah	295	350	150	120	150	125	525	450	2334
Ibb	295	345	150	100	200	150	556	800	2000
Lahj	165	255	113	163	150	98	550	450	1550
Marib	175	300	100	-	165	150	150	800	1000
Sa'ada	300	350	128	170	140	200	600	0	3000
Sana'a	295	345	95	165	120	120	700	700	800
Sana'a City	295	345	120	125	140	100	500	700	1400
Taizz	225	300	180	100	150	120	525	750	2000

* N/A's indicates that the specific question was not answered by the KIs

Origin of goods by governorate

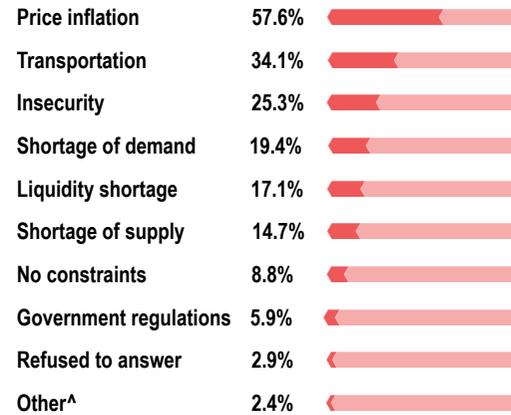
Governorate	Governorate origin: fuel	Governorate origin: WASH
Aden	Aden	Aden
Al Bayda	Do Not Know	Do Not Know
Al Hudaydah	al Hudaydah	al Hudaydah
Al Jawf	Marib	Sana'a City
Amran	al Hudaydah	Sana'a City
Dhamar	Dhamar	Sana'a
Hajjah	al Hudaydah	al Hudaydah
Ibb	Do not know	Ibb
Lahj	Aden	Aden
Marib	Marib	Marib
Sa'ada	Sa'ada	Sa'ada
Sana'a	Do not know	Do not know
Sana'a City	Sana'a	Sana'a
Taizz	Aden	Taizz





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.

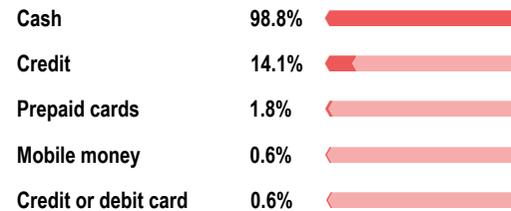
Most reported constraints for: fuel vendors*



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

^Includes additional check points and some crowds

Payment modalities accepted: fuel vendors*



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

Median petrol price by district (YER)

Governorate	District	Petrol price
Aden	Ash Shaikh Outhman	165
Aden	Craiter	165
Aden	Khur Maksar	165
Al Bayda	Rada'	295
Al Hudaydah	Alluheyah	400
Al Hudaydah	Al Qanawis	300

Governorate	District	Petrol price
Al Hudaydah	Al Khawkhah	210
Al Hudaydah	Al Hawak	295
Al Hudaydah	Zabid	295
Al Jawf	Al Hazm	275
Amran	Jabal Iyal Yazid	295
Amran	Amran	295
Dhamar	Dhamar City	295
Hajjah	Abs	290
Hajjah	Aslem	290
Hajjah	Qafil Shamer	305
Hajjah	Al Mahabishah	305
Hajjah	Kuhlan Affar	295
Hajjah	Ku'aydinah	300
Hajjah	Bani Qa'is	295
Hajjah	Ash Shaghadirah	295
Ibb	Al Makhadir	295
Lahj	Al Milah	165
Lahj	Al Maqatirah	175
Lahj	Al Hawtah	165
Lahj	Tuban	165
Marib	Al Jubah	NA
Marib	Marib City	175
Marib	Marib	NA
Sa'ada	Monabbih	300
Sa'ada	Ghamr	300
Sa'ada	Razih	300
Sa'ada	Haydan	295
Sana'a	Sanhan	295
Sana'a	Bani Matar	295
Sana'a	Al Haymah Ad Dakhiliyah	295
Sana'a City	Az'zal	295
Sana'a City	Al Wahdah	295
Sana'a City	Ma'ain	295
Sana'a City	Ath'thaorah	295
Sana'a City	Bani Al Harith	295
Taizz	Al Mukha	190
Taizz	Mawza	210
Taizz	Jabal Habashy	200
Taizz	Dimnat Khadir	295
Taizz	Al Wazi'yah	210
Taizz	Al Mudhaffar	225
Taizz	Al Qahirah	225
Taizz	Salh	225
Taizz	At Ta'iziyah	295
Taizz	Al Ma'afer	215
Taizz	Al Mawasit	225

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

Overview of water trucking

51% of water trucking vendor KIs stated that they charged delivery costs based on the distance between the water source and the delivery point. The average price for an additional 5km is **4,750 YER** and **7,250 YER** for an additional 10 km.

53% of water trucking vendor KIs stated that they sell non-chlorinated water.

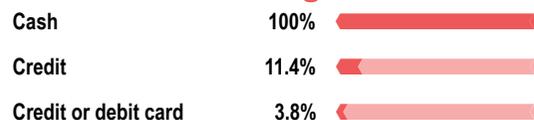
26% of water trucking vendor KIs stated that they sell chlorinated water. Additionally, **22%** of water trucking vendor KIs reported being unaware whether or not the water they sold was chlorinated.

84% of water trucking vendor KIs reported sourcing water from a pumping station or a borehole.

4% 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*



*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
Aden	Ash Shaikh Outhman	2000
Aden	Craiter	7000
Aden	Khur Maksar	750
Al Bayda	Rada'	700
Al Hudaydah	Alluheyah	1400
Al Hudaydah	Al Qanawis	6000
Al Hudaydah	Al Khawkhah	NA
Al Hudaydah	Al Hawak	NA

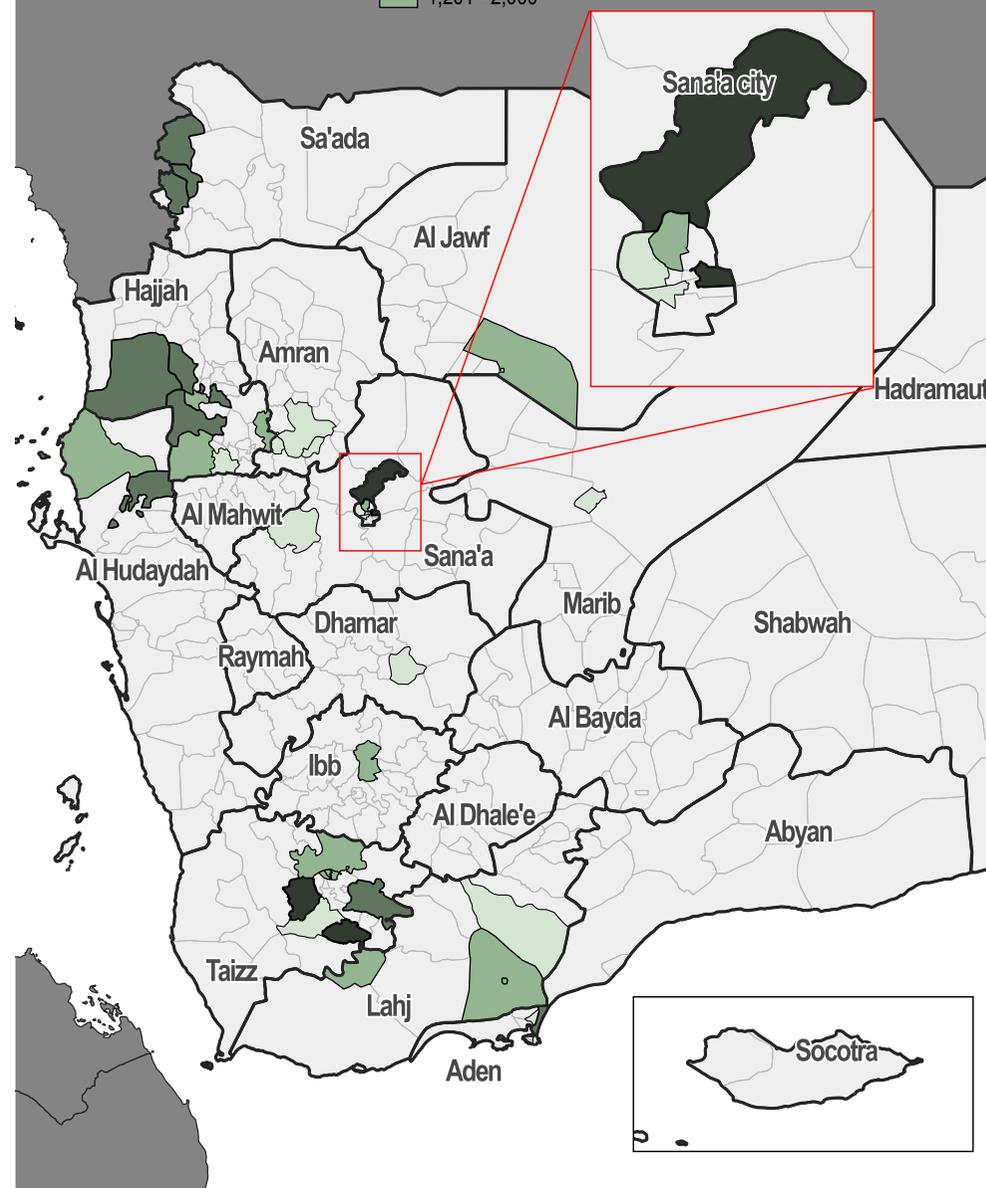
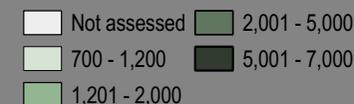
Governorate	District	Water trucking price
Al Hudaydah	Zabid	NA
Al Jawf	Al Hazm	5500
Amran	Jabal Iyal Yazid	2332
Amran	Amran	NA
Dhamar	Dhamar City	1666
Hajjah	Abs	2000
Hajjah	Aslem	2000
Hajjah	Qafil Shamer	2000
Hajjah	Al Mahabishah	1200
Hajjah	Kuhlan Affar	7000
Hajjah	Ku'aydinah	1300
Hajjah	Bani Qa'is	3000
Hajjah	Ash Shaghadirah	4000
Ibb	Al Makhadir	2000
Lahj	Al Milah	2667
Lahj	Al Maqatirah	2000
Lahj	Al Hawtah	3500
Lahj	Tuban	2000
Marib	Al Jubah	1200
Marib	Marib City	2000
Marib	Marib	2200
Sa'ada	Monabbih	NA
Sa'ada	Ghamr	NA
Sa'ada	Razih	NA
Sa'ada	Haydan	750
Sana'a	Sanhan	3000
Sana'a	Bani Matar	3000
Sana'a	Al Haymah Ad Dakhiliyah	2500
Sana'a City	Az'zal	NA
Sana'a City	Al Wahdah	NA
Sana'a City	Ma'ain	NA
Sana'a City	Ath'thaorah	800
Sana'a City	Bani Al Harith	1000
Taizz	Al Mukha	1200
Taizz	Mawza	5000
Taizz	Jabal Habashy	1000
Taizz	Dimnat Khadir	2000
Taizz	Al Wazi'iyah	1600
Taizz	Al Mudhaffar	1500
Taizz	Al Qahirah	NA
Taizz	Salh	1000
Taizz	At Ta'iziyah	NA
Taizz	Al Ma'afer	1000
Taizz	Al Mawasit	1011

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

^Bold red indicates outlier

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 [^]	Governorate	District	Supplier Governorate	Number respondents of total interviewed [^]
Aden	Ash Shaikh Outhman	Aden	2 / 10	Marib	Al Jubah	NA	0 / 13
Aden	Craiter	Aden	3 / 3	Marib	Marib	NA	0 / 15
Aden	Khur Maksar	Aden	2 / 10	Marib	Marib City	Marib	3 / 4
Al Bayda	Rada'	Do not know	5 / 5	Sa'ada	Ghamr	Sa'ada	3 / 3
Al Hudaydah	Al Hawak	Al Hudaydah	3 / 3	Sa'ada	Haydan	Do not know	5 / 5
Al Hudaydah	Al Khawkhah	Aden	3 / 3	Sa'ada	Monabbih	Sa'ada	3 / 3
Al Hudaydah	Al Qanawis	Al Hudaydah	3 / 3	Sa'ada	Razih	Sa'ada	4 / 4
Al Hudaydah	Alluheyah	Al Hudaydah	3 / 3	Sana'a	Al Haymah Ad Dakhiliyah	Sana'a City	2 / 4
Al Hudaydah	Zabid	Al Hudaydah	10 / 10	Sana'a	Bani Matar	Do not know	3 / 3
Al Jawf	Al Hazm	Marib	3 / 3	Sana'a	Sanhan	Do not know	3 / 3
Amran	Amran	Sana'a City	5 / 8	Sana'a City	Al Wahdah	Al Hudaydah	2 / 5
Amran	Jabal Iyal Yazid	Al Hudaydah	2 / 5	Sana'a City	Ath'thaorah	Sana'a City	5 / 5
Dhamar	Dhamar City	Dhamar	3 / 3	Sana'a City	Az'zal	Sana'a	3 / 3
Hajjah	Abs	Al Hudaydah	3 / 3	Sana'a City	Bani Al Harith	Sana'a	3 / 3
Hajjah	Al Mahabishah	Al Hudaydah	3 / 3	Sana'a City	Ma'in	Al Hudaydah	2 / 5
Hajjah	Ash Shaghadirah	Al Hudaydah	2 / 4	Taizz	Al Mukha	Aden	9 / 9
Hajjah	Aslem	Al Hudaydah	3 / 3	Taizz	Al Ma'afer	Lahj	3 / 9
Hajjah	Bani Qa'is	Al Hudaydah	2 / 6	Taizz	Al Mawasit	Lahj	3 / 8
Hajjah	Ku'aydinah	Al Hudaydah	3 / 3	Taizz	Al Mudhaffar	Aden	4 / 7
Hajjah	Kuhlan Affar	Al Hudaydah	4 / 10	Taizz	Al Qahirah	Aden	3 / 3
Hajjah	Qafi Shamer	Al Hudaydah	3 / 3	Taizz	Al Wazi'iyah	Aden	3 / 3
Ibb	Al Makhadir	Do not know	3 / 5	Taizz	At Ta'iziyah	NA	4 / 7
Lahj	Al Hawtah	Aden	3 / 3	Taizz	Dimnat Khadir	Sana'a	3 / 4
Lahj	Al Maqatirah	Aden	3 / 3	Taizz	Jabal Habashy	Lahj	8 / 14
Lahj	Al Milah	YE19	1 / 3	Taizz	Mawza	Aden	3 / 3
Lahj	Tuban	Aden	4 / 10	Taizz	Salh	Aden	2 / 5

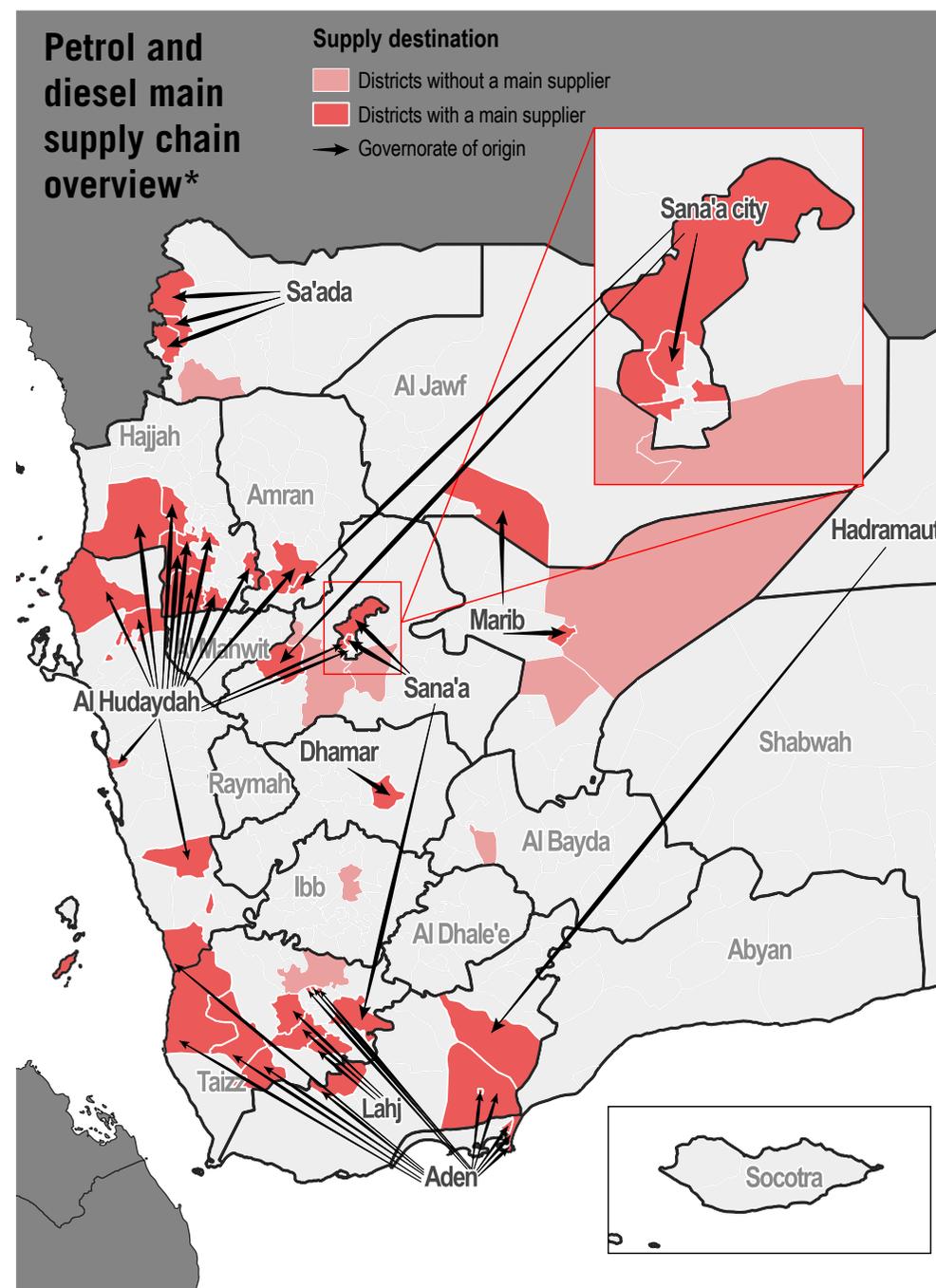
[^]If the number is 4/10 (e.g.), this indicates that 10 vendor KIs were interviewed, of those, 4 answered the supply question.

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

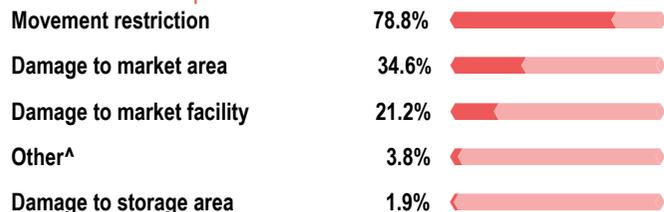


SUPPLY CHAIN OVERVIEW FOR YEMEN

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, **70%** of the assessed KIs responded that they did not face any concerns compared to **30%** 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*



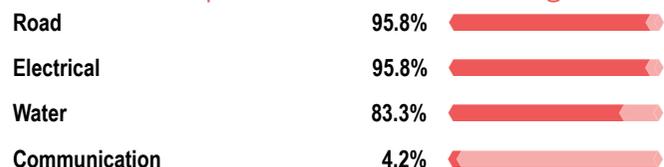
*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

^Includes difficult roads and increased COVID checkpoints

Most reported damaged infrastructure affecting vendor capacity to conduct business*

The **30%** 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	190	260	135	90	500
al Hudaydah	295	350	150	150	525

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 larger price is highlighted in red.

Average restocking time (days)

-Change in days from April (round 1) 2020 in brackets -

Governorate	Fuel items	WASH items
Aden	3 (0)	2 (0)
Al Bayda	NA (NA)	NA (NA)
Al Hudaydah	6 (-1)	6 (0)
Al Jawf	6 (1)	4 (-1)
Amran	10 (1)	9 (-2)
Dhamar	7 (5)	4 (-7)
Hajjah	8 (-2)	7 (-3)
Ibb	7 (-1)	2 (0)
Lahj	6 (2)	5 (1)
Marib	17 (6)	13 (-14)
Sa'ada	7 (1)	7 (1)
Sana'a	3 (NA)	2 (NA)
Sana'a City	8 (0)	5 (2)
Taizz	6 (2)	4 (2)

* 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.

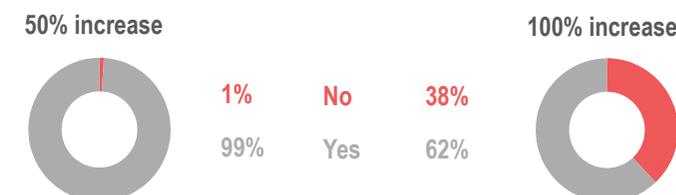
Vendor capacity to respond to a 50% and 100% increase in demand for fuel items



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 CMWG 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 CMWG, 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.

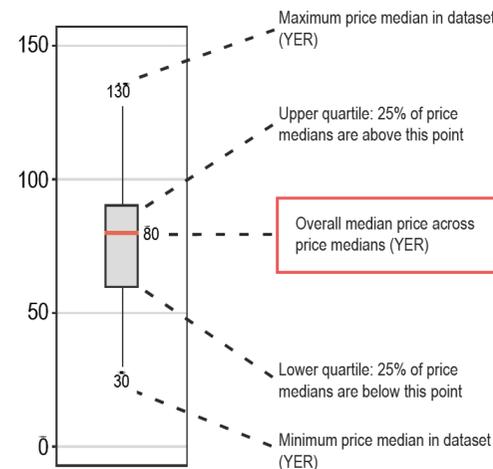
Limitations

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	April Round 1	April Round 2
Aden	2	3
Al Bayda	1	1
Al Hudaydah	4	5
Al Jawf	1	1
Amran	3	2
Dhamar	1	1
Hajjah	7	8
Ibb	1	1
Lahj	2	4
Marib	1	3
Sa'ada	4	4
Sana'a	2	3
Sana'a City	3	5
Taizz	7	11

Participating partners include

