

Yemen Joint Market Monitoring Initiative

May (Round 2) 2020



WASH Cluster
Water Sanitation Hygiene

CMWG

Intersector Cash
and Market
Working Group

REACH

Informing
more effective
humanitarian action

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 May (round 1) **10 May - 14 May**

7 Participating partners
45 Districts assessed
202 Vendor KIs surveyed

Data collection May (round 2) **27 May - 4 Jun**

10 Participating partners
48 Districts assessed
259 Vendor KIs surveyed

Key findings

In May (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%**

600
USD/YER
Parallel market*
► **0.0%**

600
USD/YER
Previous Parallel Market
Rate April (R2) 2020

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

695
USD/YER
New currency market

Key price figures

Between April (round 2) 2020 and May (round 2) 2020, the price for treated water reportedly saw an decrease of 44.0%, while water trucking decreased by 24.0%, which had an impact on the total SMEB.

Petrol Price (1L)	295 YER	►	0.0%
Diesel Price (1L)	345 YER	►	0.0%
Bottled Water Price (0.75L)	150 YER	▲	+12.7%
Treated Water Price (10L)	113 YER	▼	-44.0%
Water Trucking Price (1m³)	1,550 YER	▼	-24.0%
Soap (100g)	150 YER	►	0.0%
Sanitary Napkins (10 Pack)	530 YER	▲	+5.7%
Laundry Powder (100 g)	120 YER*	►	0.0%

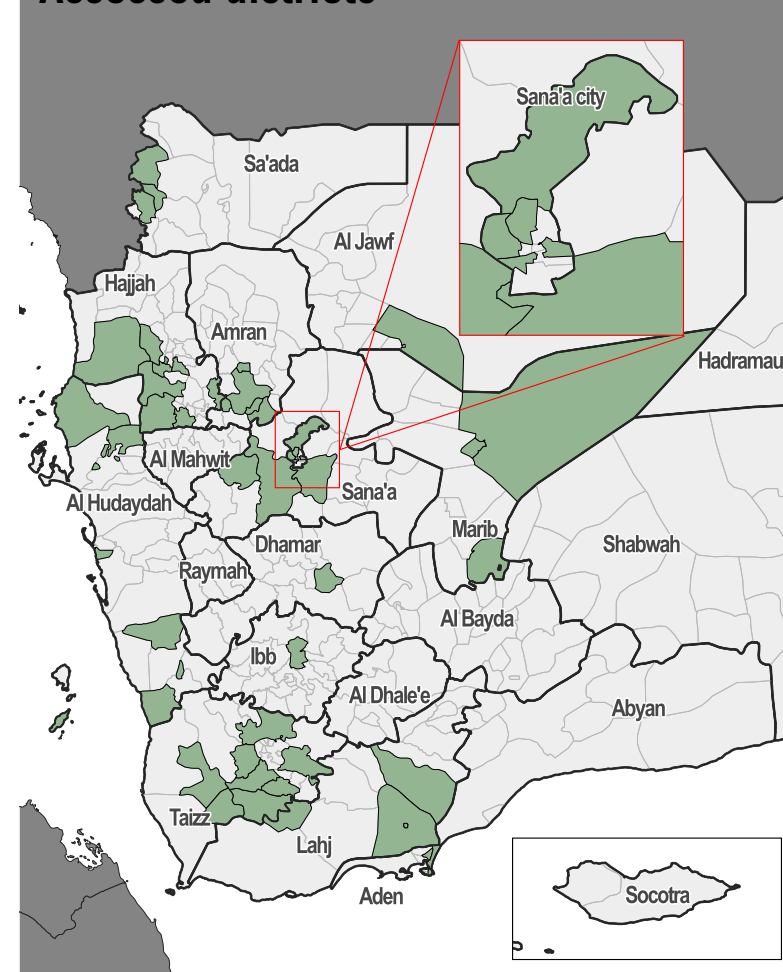
WASH SMEB

The median cost for the WASH SMEB was calculated to be 8,973 YER, marking a decrease of 9.9% from the cost observed in April (R2) 2020.

May (R2) 8,973 YER / Apr (R2) 9,858 YER ▼ 885 YER -9.9%

*225 of the 259 market KIs answered the exchange rate question within the parallel market.

Assessed districts



WASH SMEB

Soap	1.05 kg
Laundry powder	2 kg
Sanitary napkins	20 units
Water trucking	3.15 m³

Other assessed items

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

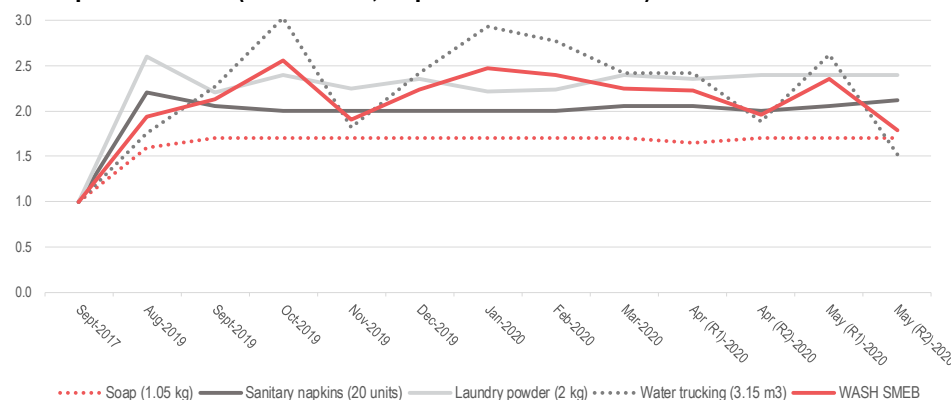
WASH SMEB COST OVERVIEW

The **WASH SMEB** represents the minimum culturally adjusted group of WASH items required to support a Yemeni family of 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 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 May (R2) -20	Change since Nov-19^	Change since Apr (R2)-20^
Aden	1575	1950	1100	3780	8405	-60.9%	-62.5%
Al Hudaydah	1365	2600	1050	8663	13678	-6.9%	+19.9%
Al Jawf	2625	2000	1500	3938	10063	NA	+0.9%
Amran	2888	2360	1000	2835	9083	+14.8%	+9.9%
Dhamar	1575	2400	1000	3150	8125	NA	+9.7%
Hajjah	1575	2400	1000	6300	11275	-27.9%	-1.8%
Ibb	2100	3000	1200	6824	13124	+38.9%	+4.7%
Lahj	1575	2160	1100	5670	10505	+11.4%	+9.4%
Marib	1575	2800	1100	2624	8099	-185.2%	-3.3%
Sa'ada	1470	4600	1100	9450	16620	+39.9%	+3.0%
Sana'a	1260	2180	1400	2520	7360	-29.0%	-3.0%
Sana'a City	1460	2200	1000	2363	7022	-12.3%	+5.6%
Taizz	1575	2320	1083	7218	12196	-18.8%	+4.9%

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

^Change in WASH SMEB price

Median cost of WASH SMEB in May (round 2)

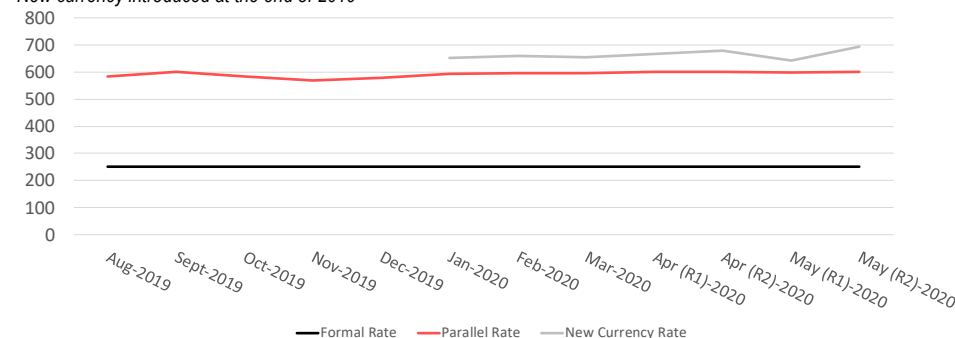
8,973 YER

Change since November 2019 ▼ 572 YER -6.4%

Change since April (R2) 2020 ▼ 885 YER -9.9%

Exchange rate index

New currency introduced at the end of 2019



Median exchange rate, by governorate*

Governorate	Mar 2020	May R1 2020	May R2 2020
Aden	658 (658)	688 (688)	703 (702)
Al Hudaydah	596 (596)	598	598 (690)
Al Jawf	595 (597)	670	670
Amran	650	599	600
Dhamar	595	601	601
Hajjah	595	598	597
Ibb	594	598	598
Lahj	592	686 (687)	702 (700)
Marib	654 (654)	690	700 (690)
Sa'ada	628	599	600
Sana'a	598	598	599
Sana'a City	595	597	598
Taizz	598 (628)	680 (685)	695 (690)

* Exchange rates in parentheses indicate the rate for new currency

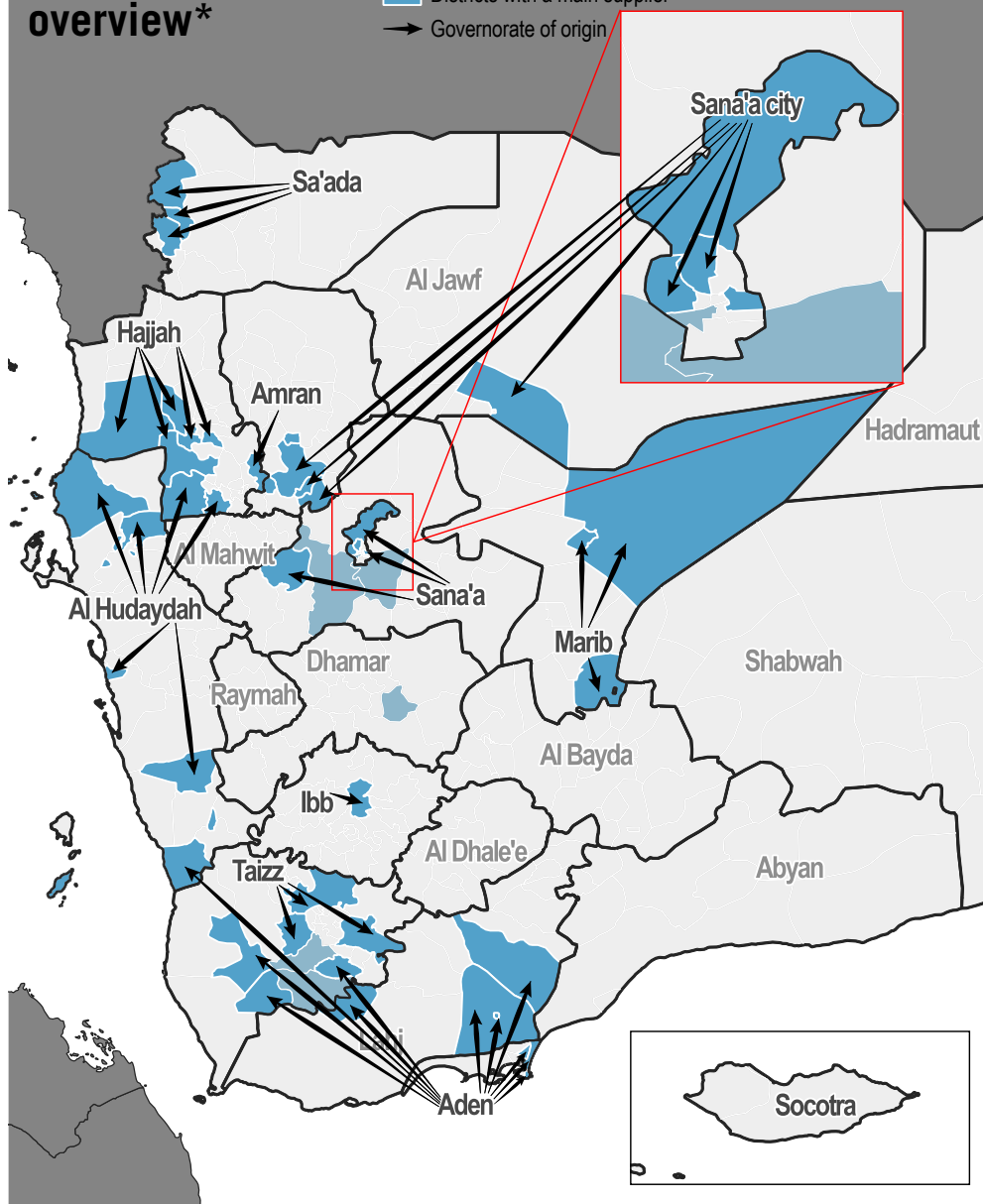
Proportion of vendors accepting credit as payment, by type of good

Type of good sold	Mar 2020	May R1 2020	May R2 2020
Fuel	4.7%	12.8%	8.9%
WASH NFIs	23.5%	24.7%	24.9%
Water Trucking	5.9%	15.7%	9.9%

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	Lahj	Al Hawtah	Aden	3 / 3
Aden	Craiter	Aden	3 / 3	Lahj	Tuban	Aden	4 / 10
Aden	Khur Maksar	Aden	4 / 10	Marib	Al Abdiyah	Marib	4 / 18
Al Hudaydah	Alluheyah	Al Hudaydah	3 / 3	Marib	Marib City	Marib	3 / 3
Al Hudaydah	Al Qanawis	Al Hudaydah	3 / 3	Marib	Marib	Marib	4 / 18
Al Hudaydah	Al Hawkhah	Aden	3 / 3	Sa'ada	Monabbih	Sa'ada	3 / 3
Al Hudaydah	Al Hawak	Al Hudaydah	3 / 3	Sa'ada	Ghamr	Sa'ada	3 / 3
Al Hudaydah	Zabid	Al Hudaydah	10 / 10	Sa'ada	Razih	Sa'ada	3 / 3
Al Jawf	Al Hazm	Sana'a City	3 / 3	Sana'a	Sanhan	Do not know	3 / 3
Amran	Jabal Iyal Yazid	Sana'a City	2 / 5	Sana'a	Bani Matar	Do not know	4 / 4
Amran	Amran	Sana'a City	2 / 5	Sana'a	Al Haymah Ad Dakhiliyah	Sana'a	1 / 3
Amran	Iyal Surayh	Sana'a City	3 / 3	Sana'a City	Az'zal	Sana'a	3 / 3
Dhamar	Dhamar City	NA	3 / 3	Sana'a City	Al Wahdah	NA	2 / 5
Hajjah	Abs	Hajjah	3 / 3	Sana'a City	Ma'ain	Sana'a City	2 / 5
Hajjah	Aslem	Hajjah	3 / 3	Sana'a City	Ath'thorah	Sana'a City	3 / 3
Hajjah	Qafi Shamer	Hajjah	3 / 3	Sana'a City	Bani Al Harith	Sana'a	3 / 3
Hajjah	Al Mahabishah	Hajjah	3 / 3	Taizz	Mawza	Aden	3 / 3
Hajjah	Kuhlan Affar	Amran	4 / 10	Taizz	Jabal Habashy	Taizz	13 / 13
Hajjah	Ku'aydinah	Hajjah	3 / 3	Taizz	Dimnat Khadir	Taizz	5 / 5
Hajjah	Bani Qa'is	Al Hudaydah	2 / 5	Taizz	Ash Shamayatayn	NA	4 / 4
Hajjah	Ash Shaghadirah	Al Hudaydah	2 / 5	Taizz	Al Wazi'iyah	Aden	3 / 3
Ibb	Al Makhadir	Ibb	5 / 5	Taizz	At Ta'iziyyah	Taizz	8 / 8
Lahj	Al Milah	Aden	2 / 5	Taizz	Al Ma'afer	NA	4 / 10
Lahj	Al Maqatirah	Aden	3 / 3	Taizz	Al Mawasit	Aden	5 / 11

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

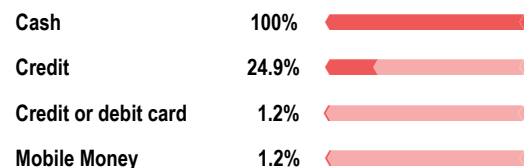
The supplier governorate indicates the most prevalent answer. In the case of a tie, both governorates are shown.
 *The map shows WASH SMEB supply chains inside the same governorate and towards other governorates. Districts without a main supplier are those districts where vendor KIs could not identify 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:

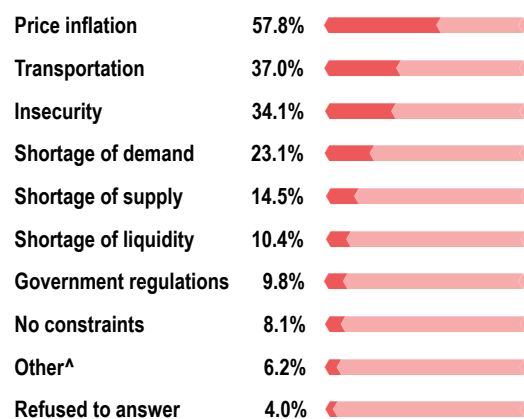
WASH vendors*



*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)

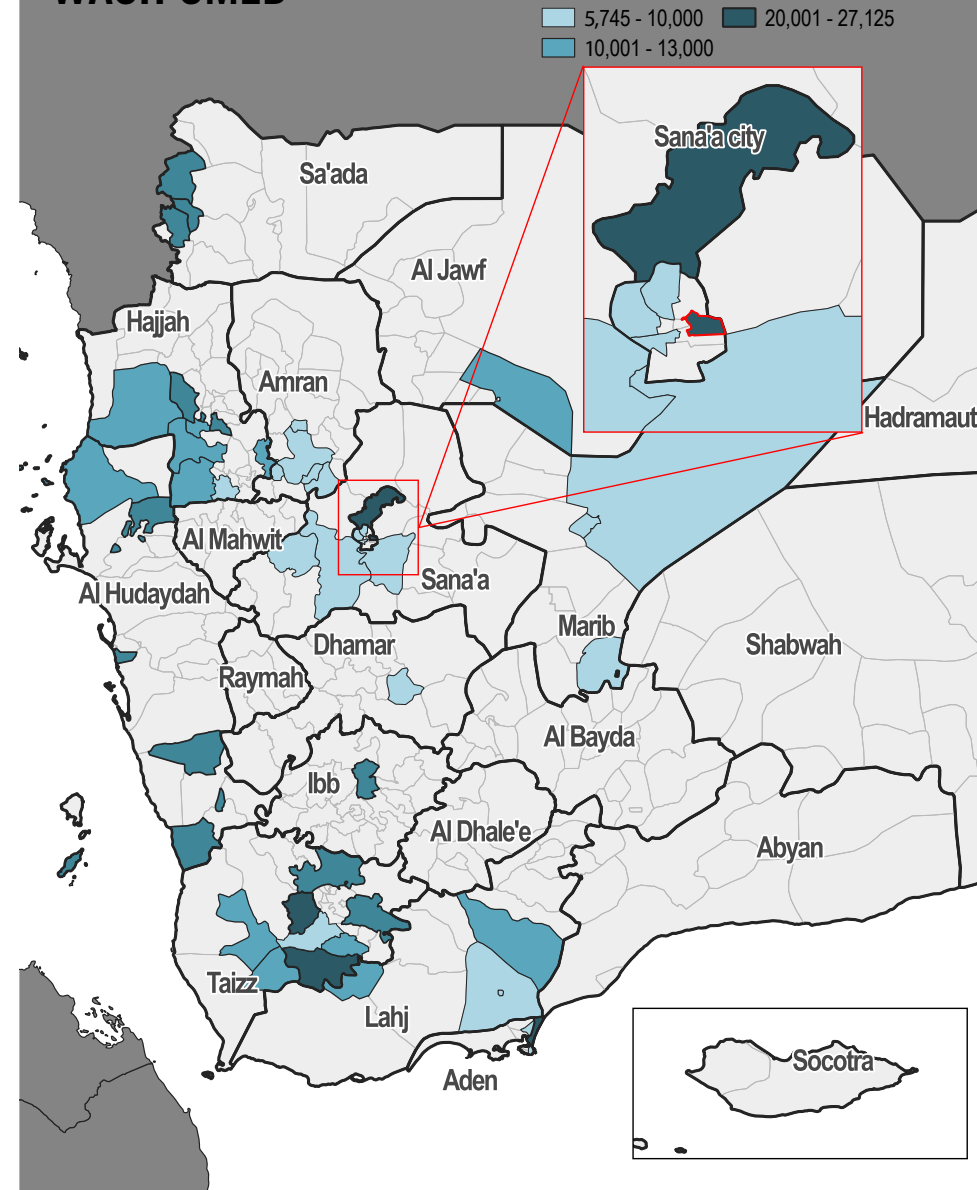
Governorate	District	SMEB cost
Aden	Ash Shaikh Outhman	5990
Aden	Craiter	8595
Aden	Khur Maksar	20325
Al Hudaydah	Alluheyah	11375
Al Hudaydah	Al Qanawis	17015
Al Hudaydah	Al Khawkhah	13973
Al Hudaydah	Al Hawak	13628

Governorate	District	SMEB cost
Al Hudaydah	Zabid	13428
Al Jawf	Al Hazm	10063
Amran	Jabal Iyal Yazid	9083
Amran	Amran	9083
Amran	Iyal Surayh	8651
Dhamar	Dhamar City	8125
Hajjah	Abs	11275
Hajjah	Aslem	14425
Hajjah	Qafil Shamer	10400
Hajjah	Al Mahabishah	13081
Hajjah	Kuhlan Affar	11475
Hajjah	Ku'aydinah	12850
Hajjah	Bani Qa'is	10248
Hajjah	Ash Shaghadirah	9948
Ibb	Al Makhadir	13124
Lahj	Al Milah	10895
Lahj	Al Maqatirah	11585
Lahj	Al Hawtah	9935
Lahj	Tuban	7825
Marib	Al Abdiyah	9249
Marib	Marib City	7589
Marib	Marib	8299
Sa'ada	Monabbih	18500
Sa'ada	Ghamr	16415
Sa'ada	Razih	15045
Sana'a	Sanhan	7360
Sana'a	Bani Matar	7360
Sana'a	Al Haymah Ad Dakhiliyah	7360
Sana'a City	Az'zal	27125
Sana'a City	Al Wahdah	6168
Sana'a City	Ma'ain	5745
Sana'a City	Ath'thaorah	6922
Sana'a City	Bani Al Harith	24260
Taizz	Mawza	12276
Taizz	Jabal Habashy	22547
Taizz	Dimnat Khadir	13912
Taizz	Ash Shamayalayn	20723
Taizz	Al Wazi'iyah	12276
Taizz	At Ta'iziyyah	13080
Taizz	Al Ma'afer	9971
Taizz	Al Mawasit	11115

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), May (round 2) 2020

PRICE MONITORING OVERVIEW FOR YEMEN*

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

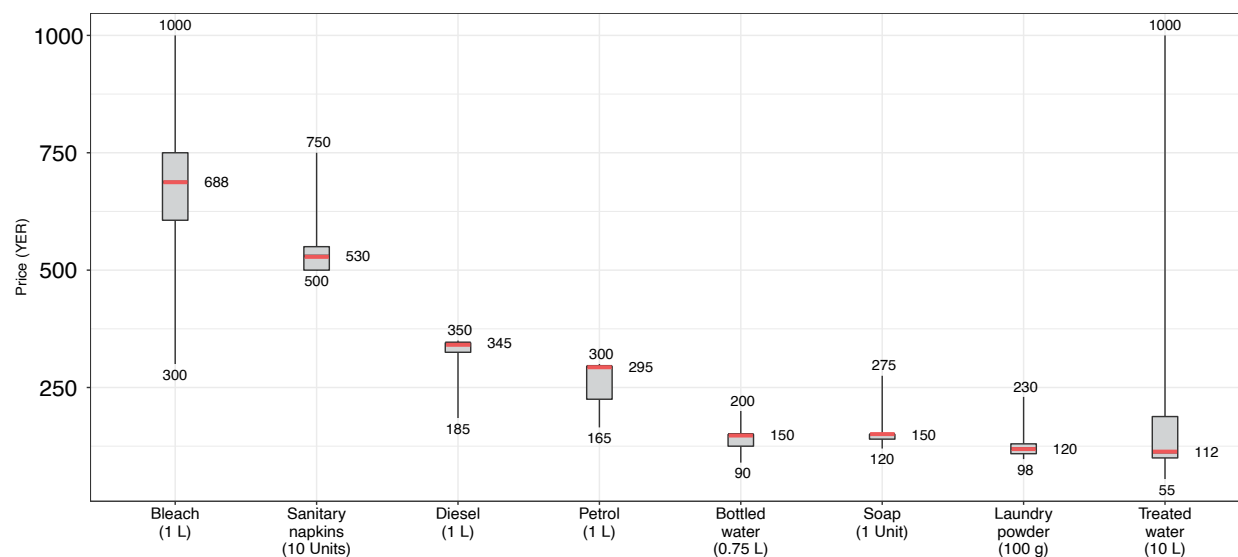
Item	September 2017 (baseline)^	Nov 2017^	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr (R2) 2020	May (R1) 2020	May (R2) 2020	% Change (Apr R2-May R2)
Petrol (1L)	275	349	365	365	370	365	295	295	295	0.0%
Diesel (1L)	235	394	420	430	424	430	345	345	345	0.0%
Bottled Water (.75L)	70	100	130	125	135	138	131	133	150	+12.7%
Treated Water (10L)	NA ↗	175 ↗	129	135	123	120	162	128	113	-44.0%
Soap (1 Unit)	88	NA	150	150	150	150	150	150	150	0.0%
Laundry Powder (100g)	50	NA	118	111	112	120	120	120	120	0.0%
Sanitary Napkins (10)	250	NA	500	500	500	513	500	513	530	+5.7%
Bleach (1L)	NA	NA	NA	NA	NA	NA	700	700	688	-1.8%
Water Trucking (1m³)	825	1,700	2000	2417	2292	2000	1550	2167	1250	-24.0%

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

^ Price levels for September 2017 are the price quotations recorded during the Multi-Agency Joint Cash Study, while prices for November 2017 were recorded during the Weekly Price Monitoring Initiative conducted by the WASH Cluster.

↗ Treated water prices for September 2017 and November 2017 were for 20L, while the JMMI collects prices for 10L.

Price distribution of key items across Yemen

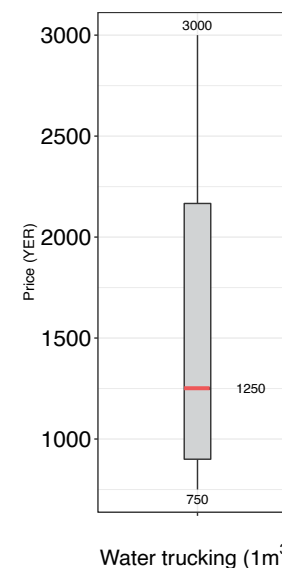


May (round 2) 2020 median price per governorate (YER)

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	185	200	100	150	98	550	1000	1200
Al Hudaydah	295	345	150	55	130	130	525	625	2750
Al Jawf	225	325	200	1000	250	100	750	550	1250
Amran	295	345	125	100	275	118	500	410	900
Dhamar	295	345	150	500	150	120	500	750	1000
Hajjah	295	345	150	125	150	120	500	625	2000
Ibb	295	345	150	100	200	150	600	750	2167
Lahj	168	253	150	250	150	108	550	300	1800
Marib	175	235	100	125	150	140	550	700	833
Sa'ada	300	350	130	NA	140	230	550	NA	3000
Sana'a	295	345	98	168	120	109	700	750	800
Sana'a City	295	345	110	100	139	110	500	675	750
Taizz	255	325	150	100	150	116	541	863	2292

* 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 Hudaydah	al Hudaydah	al Hudaydah
Al Jawf	Marib	Sana'a City
Amran	al Hudaydah	Sana'a City
Dhamar	Dhamar	NA
Hajjah	al Hudaydah	Hajjah
Ibb	NA	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	Lahj	Taizz

Petrol prices

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

165 - 200	296 - 430
201 - 275	Not assessed
276 - 295	

The map displays the median petrol prices per liter in Yemeni Rial (YER) across various districts. The legend indicates five price ranges: 165 - 200 (lightest green), 201 - 275 (medium green), 276 - 295 (dark green), 296 - 430 (darkest green), and Not assessed (white). The Sana'a area, including the city of Sana'a, is highlighted with a red box and an inset, showing a mix of price ranges. Other districts like Hajjah and Amran show higher prices (296 - 430 YER), while many coastal and southern districts are in the 165 - 200 YER range. Socotra is shown in a separate inset at the bottom right.

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 **WASH Cluster**
Water Sanitation Hygiene

Governorate	District	Petrol price
Aden	Ash Shaikh Outhman	165
Aden	Craitir	165
Aden	Khur Maksar	165
Al Hudaydah	Alluheyah	430
Al Hudaydah	Al Qanawis	295
Al Hudaydah	Al Khawkhah	260

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

Overview of water trucking

62% 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 **4,000 YER** and **7,000 YER** for an additional 10 km.

65% of water trucking vendor KIs stated that they sell non-chlorinated water.

23% of water trucking vendor KIs stated that they sell chlorinated water. Additionally, **12%** of water trucking vendor KIs reported being unaware whether or not the water they sold was chlorinated.

78% of water trucking vendor KIs reported sourcing water from a pumping station or a borehole.

10% of water trucking vendor KIs reported sourcing water from a treatment station.

12% of water trucking vendor KIs reported sourcing water from a spring.

Payment modalities accepted: water trucking*

Cash	99.9%	
Credit	9.9%	
Credit or debit card	2.2%	

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

Median water trucking price by district (YER)

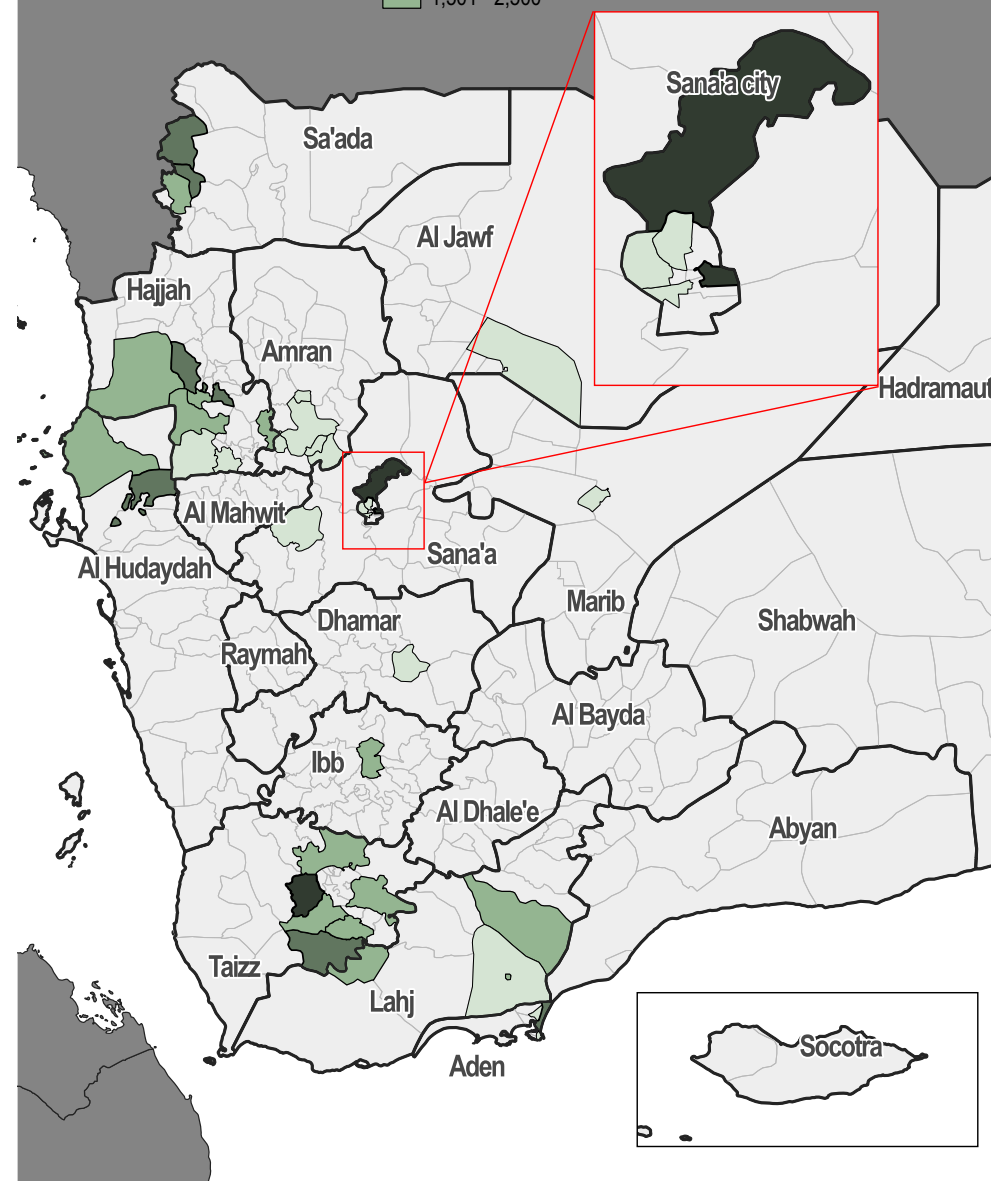
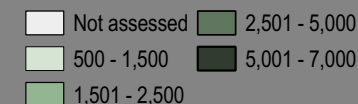
Governorate	District	Water trucking price
Aden	Ash Shaikh Outhman	1575
Aden	Craiter	3780
Aden	Khur Maksar	15750
Al Hudaydah	Alluheyah	6300
Al Hudaydah	Al Qanawis	11025
Al Hudaydah	Al Hawkhah	8663
Al Hudaydah	Al Hawak	8663

Governorate	District	Water trucking price
Al Hudaydah	Zabid	8663
Al Jawf	Al Hazm	3938
Amran	Jabal Iyal Yazid	2835
Amran	Amran	2835
Amran	Iyal Surayh	3676
Dhamar	Dhamar City	3150
Hajjah	Abs	6300
Hajjah	Aslem	9450
Hajjah	Qaf Shamer	6300
Hajjah	Al Mahabishah	8401
Hajjah	Kuhlan Affar	6300
Hajjah	Ku'aydinah	7875
Hajjah	Bani Qa'is	4725
Hajjah	Ash Shaghadirah	4725
Ibb	Al Makhadir	6824
Lahj	Al Milah	6300
Lahj	Al Maqatirah	6300
Lahj	Al Hawtah	5040
Lahj	Tuban	3150
Marib	Al Abdiyah	2624
Marib	Marib City	2624
Marib	Marib	2624
Sa'ada	Monabbih	11025
Sa'ada	Ghamr	9450
Sa'ada	Razih	7875
Sana'a	Sanhan	2520
Sana'a	Bani Matar	2520
Sana'a	Al Haymah Ad Dakhiliyah	2520
Sana'a City	Az'zal	22050
Sana'a City	Al Wahdah	1575
Sana'a City	Ma'ain	1575
Sana'a City	Ath'thaorah	2363
Sana'a City	Bani Al Harith	18900
Taizz	Mawza	7218
Taizz	Jabal Habashy	18900
Taizz	Dimnat Khadir	7612
Taizz	Ash Shamayatayn	15750
Taizz	Al Wazi'yah	7218
Taizz	At Ta'iziyah	6824
Taizz	Al Ma'afer	5513
Taizz	Al Mawasit	6300

N/A 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 [^]	Governorate	District	Supplier Governorate	Number respondents of total interviewed [^]
Aden	Ash Shaikh Outhman	Aden	2 / 10	Lahj	Al Hawtah	Aden	3 / 3
Aden	Craiter	Aden	3 / 3	Lahj	Tuban	Aden	3 / 10
Aden	Khur Maksar	Aden	3 / 10	Marib	Al Abdiyah	Marib	0 / 18
Al Hudaydah	Alluheyah	Al Hudaydah	3 / 3	Marib	Marib City	Marib	3 / 3
Al Hudaydah	Al Qanawis	Al Hudaydah	3 / 3	Marib	Marib	Marib	0 / 18
Al Hudaydah	Al Khawkhah	Aden	3 / 3	Sa'ada	Monabbih	Sa'ada	3 / 3
Al Hudaydah	Al Hawak	Al Hudaydah	3 / 3	Sa'ada	Ghamr	Sa'ada	3 / 3
Al Hudaydah	Zabid	Al Hudaydah	10 / 10	Sa'ada	Razih	Sa'ada	3 / 3
Al Jawf	Al Hazm	Sana'a City	3 / 3	Sana'a	Sanhan	Do not know	3 / 3
Amran	Jabal Iyal Yazid	Sana'a City	2 / 5	Sana'a	Bani Matar	Do not know	4 / 4
Amran	Amran	Sana'a City	2 / 5	Sana'a	Al Haymah Ad Dakhilliyah	Sana'a	1 / 3
Amran	Iyal Surayh	Sana'a City	3 / 3	Sana'a City	Az'zal	Sana'a	3 / 3
Dhamar	Dhamar City	NA	3 / 3	Sana'a City	Al Wahdah	NA	2 / 5
Hajjah	Abs	Hajjah	3 / 3	Sana'a City	Ma'ain	Sana'a City	2 / 5
Hajjah	Aslem	Hajjah	3 / 3	Sana'a City	Ath'th'oraah	Sana'a City	3 / 3
Hajjah	Qafil Shamer	Hajjah	3 / 3	Sana'a City	Bani Al Harith	Sana'a	3 / 3
Hajjah	Al Mahabishah	Hajjah	2 / 3	Taizz	Mawza	Aden	3 / 3
Hajjah	Kuhlan Affar	Amran	4 / 10	Taizz	Jabal Habashy	Taizz	7 / 13
Hajjah	Ku'aydinah	Hajjah	3 / 3	Taizz	Dimnat Khadir	Taizz	3 / 5
Hajjah	Bani Qa'is	Al Hudaydah	2 / 5	Taizz	Ash Shamayatayn	NA	4 / 4
Hajjah	Ash Shaghadirah	Al Hudaydah	2 / 5	Taizz	Al Wazi'yah	Aden	3 / 3
Ibb	Al Makhadir	Ibb	2 / 5	Taizz	At Ta'iziyah	Taizz	6 / 8
Lahj	Al Milah	Aden	2 / 5	Taizz	Al Ma'afer	NA	4 / 10
Lahj	Al Maqatirah	Aden	3 / 3	Taizz	Al Mawasit	Aden	5 / 11

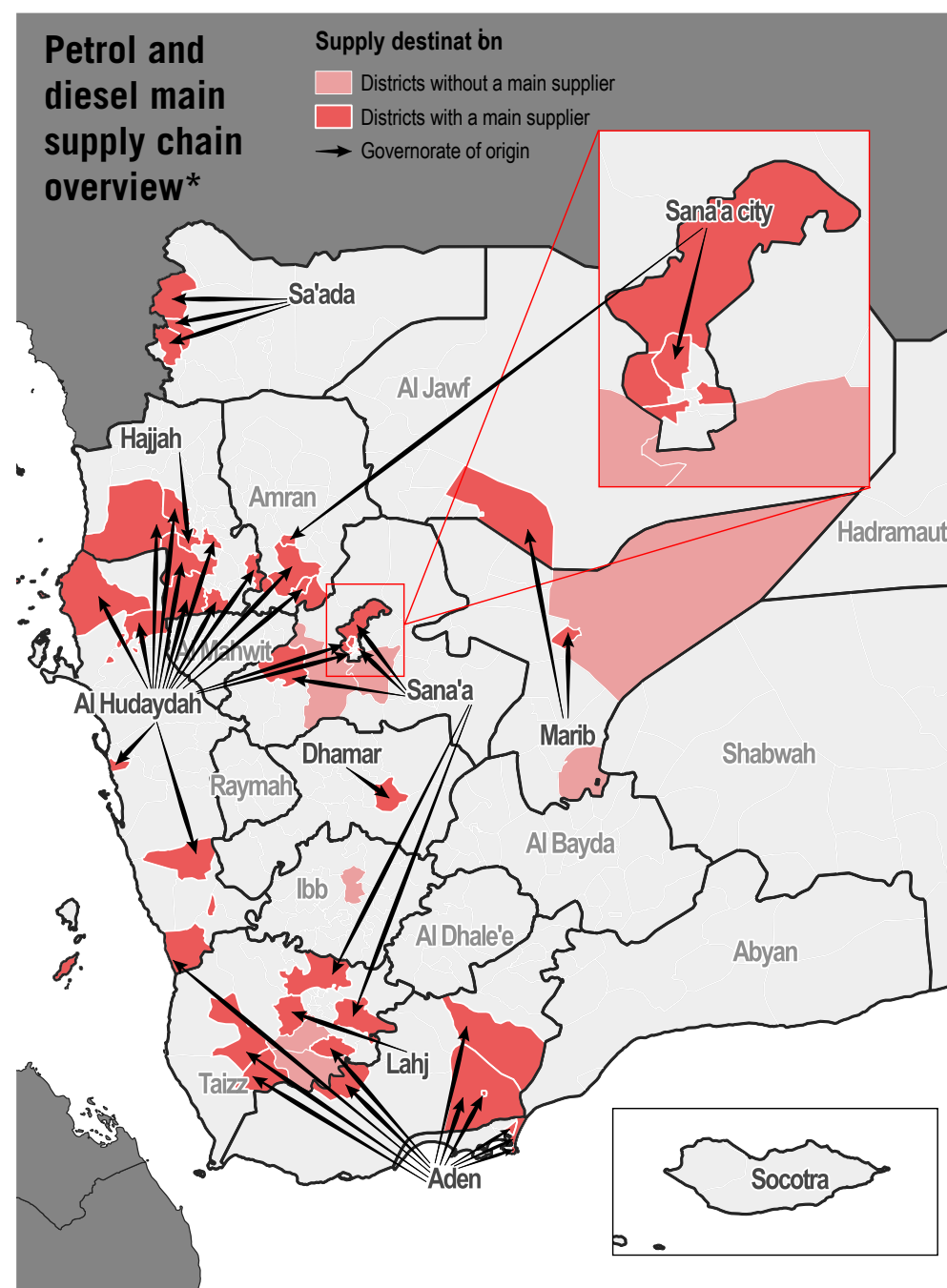
[^]If the number is 4/10 (e.g.), this indicates that 10 vendor KIs were interviewed, of those, 4 answered the supply question.

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

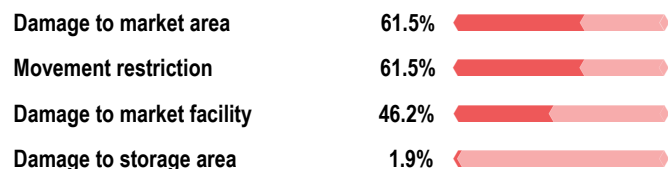


SUPPLY CHAIN OVERVIEW FOR YEMEN

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, **69%** of the assessed KIs responded that they did not face any concerns compared to **31%** 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*

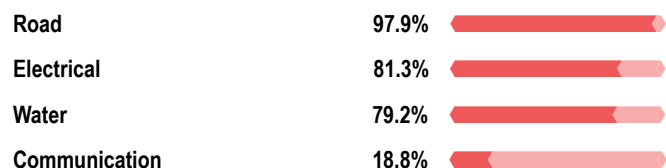


*Values do not add up to 100% as vendor KIs were allowed to select multiple options.

Most reported damaged infrastructure affecting vendor capacity to conduct business*

The **31%** 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	250	320	150	100	550
al Hudaydah	295	345	150	135	550

Vendor KIs were asked about the origin of various products sold in their stores. The two main points of origin for these products were Aden and al Hudaydah, with 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 April (round 2) 2020 in brackets -

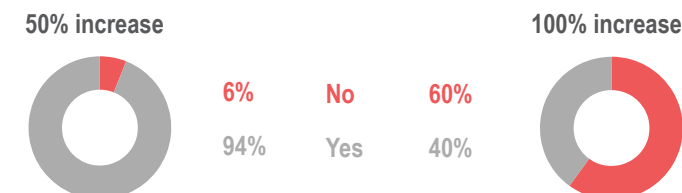
Governorate	Fuel items	WASH items
Aden	4 (1)	2 (0)
Al Hudaydah	8 (2)	7 (1)
Al Jawf	5 (-1)	4 (0)
Amran	12 (2)	14 (5)
Dhamar	2 (-5)	3 (-1)
Hajjah	9 (1)	9 (2)
Ibb	9 (2)	3 (1)
Lahj	4 (-2)	5 (0)
Marib	12 (-5)	11 (-2)
Sa'ada	6 (-1)	6 (-1)
Sana'a	1 (-2)	1 (-1)
Sana'a City	7 (-1)	2 (-3)
Taizz	9 (3)	6 (2)

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

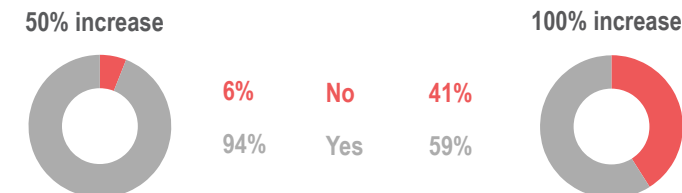
Vendor capacity to respond to a sudden increase in demand

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 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.

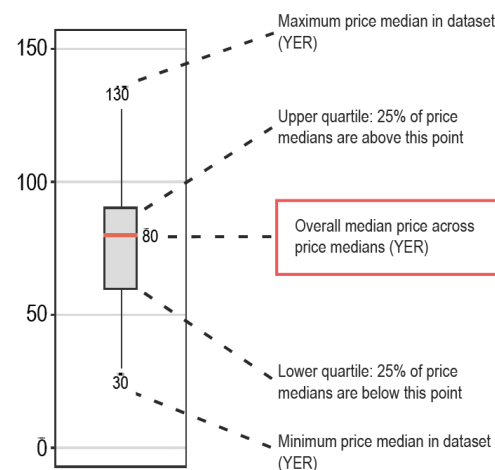
Limitations

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).

Participating partners include

Number of districts assessed per governorate

Governorate	May Round 1	May Round 2
Aden	3	3
Al Bayda	1	0
Al Hudaydah	5	5
Al Jawf	1	1
Amran	2	3
Dhamar	1	1
Hajjah	8	8
Ibb	1	1
Lahj	4	4
Marib	1	3
Sa'ada	1	3
Sana'a	2	3
Sana'a City	6	5
Taizz	9	8



Save the Children



NORWEGIAN REFUGEE COUNCIL



مؤسسة المدينة القديمة للتنمية
Old City Foundation for Development



Tamdeen
Youth Foundation
مؤسسة تمدين شباب

