

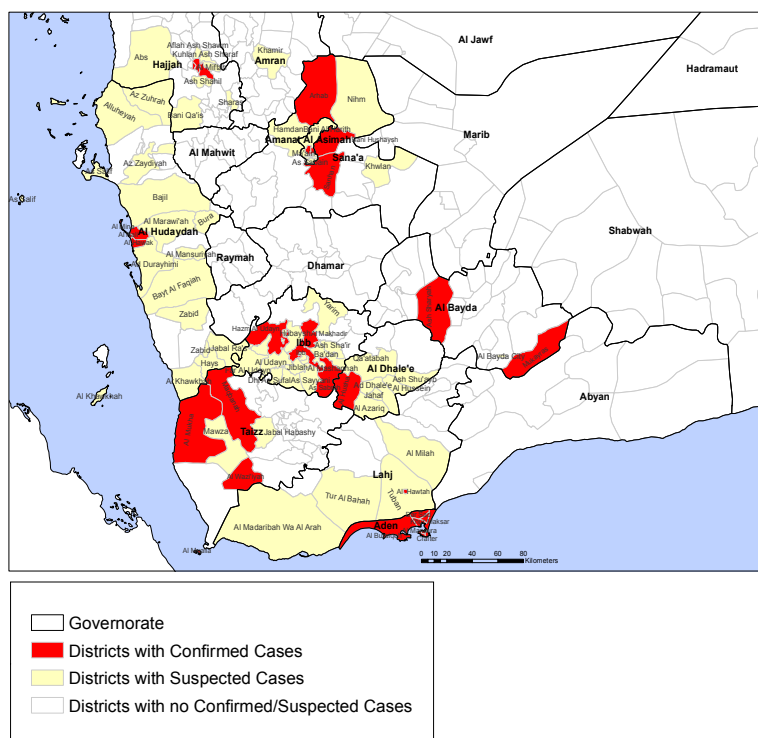
YEMEN: Cholera Outbreak

Weekly AWD/Cholera Situation Report 10 – 17 November 2016

This official joint-report is based on information Yemen Cholera Taskforce, which is led by the Ministry of Health, WHO/Health Cluster, UNICEF/WASH Cluster and is supported by OCHA.

Key Figures

- As of 17 November 2016, 90 cases of cholera were confirmed in 29 districts with 8 cases of deaths from cholera.
- WHO/ MoPHP estimates that 7.6M people are at risk in 15 governorates.
- A total of 4,825 suspected cases are reported in 64 districts.
- Cholera case fatality rate (CFR) is 1.5 %
- Incidence rate is 4 cases per 10,000.
- WHO and partners have established 26 Cholera Treatment Centers in 24 districts.



The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

90

Cholera Confirmed Cases

Source: WHO/ MOPHP

4825

Suspected Cases

Source: WHO/ MOPHP

8

Confirmed Cholera Deaths

Source: WHO/ MOPHP

26

Total Diarrhea Treatment Centers

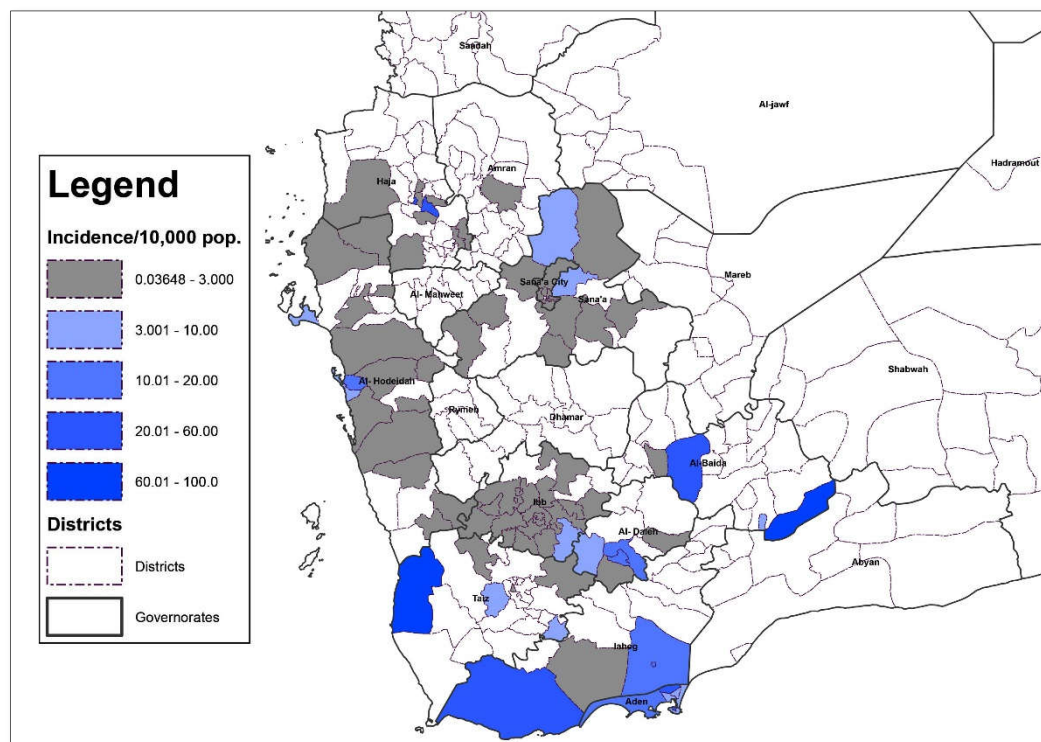
Source: WHO/ MOPHP

Situation Overview

As of 17 November 2016, 90 cases have been confirmed by laboratory testing in 29 districts from 11 governorates, out of the total 434 samples tested (Table 3.3). An additional 4,825 suspected cases are reported from 64 districts in Al Bayda, Al Hudaydah, Al Dhale'e, Hajjah, Lahj, Taiz, Ibb and Amanat Al Asimah.

Cumulatively, 8 cholera confirmed deaths have been reported from Aden, Amran, Hajjah, Ibb and Sana'a, and 62 deaths associated with acute watery were reported in Aden, Al Bayda, Al Dhale'e, Al Hudaydah, Amanat Al Asimah, Hajjah, Ibb, Sana'a and Taizz. The cholera case fatality rate (CFR) as of 17 November is 1.5 %.

Figure 1.1: AWD/Cholera Incidence (cases per 10,000)



Weekly Overview

From 10 to 17 November 2016, a total of 1,296 new suspected cholera/AWD cases were reported. Of the total reported cases, 58 % were from Aden, Taiz, Al-Hudaydah and Al-Bayda. Additionally, six new confirmed cholera cases were reported from Aden, Ibb and Al Dhale'e including Al-Mashanna district in Ibb governorate which reported one confirmed cholera case for the first time. There were 6 new deaths associated with AWD reported during the reporting period.

Table 2: Cholera cases and deaths by governorate in week 10-17 November 2016

Governorate	New Cases	Number of deaths
Aden	206	0
Al Hudaydah	185	0
Taiz	178	0
Al Bayda	178	2
Al Dhale'e	138	0
Lahj	138	0
Sana'a	95	0
Hajjah	94	0
IBB	60	2
Amanat Al Asimah	24	2
Total	1,296	6

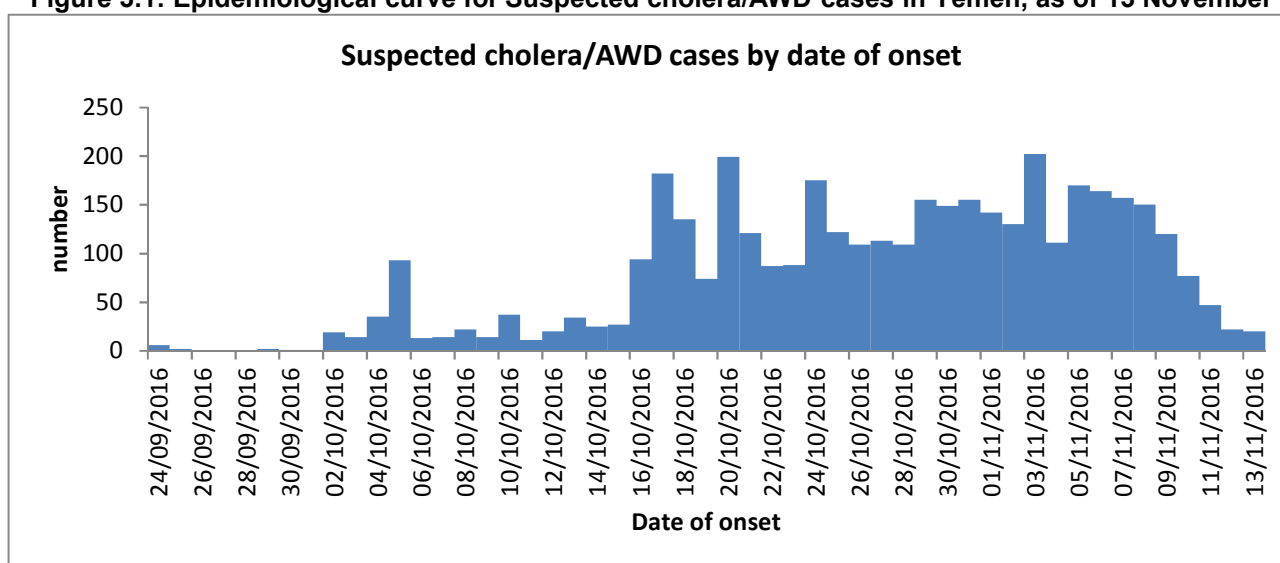
The five districts with highest reported (50 %) AWD cases during the reporting period are Mukayras, Al Maghrabah, Al Hali, Al Madaribah Wa Al Arah and Al Mahabishah.

Epidemiological Trends

Cumulatively, 90 confirmed cholera cases including 8 deaths (CFR 1.5%) have been reported in Yemen, involving 11 governorates since the initial cases were reported on 6 October 2016 in Amanat Al Asimah (Figure 3.1).

Contaminated water is the possible source of infection. In Al Bayda'a five water samples tested positive for cholera, as well as water sources from three districts in Ibb Governorate. However, all samples taken from water, vegetables and grapes in Sana'a were negative for cholera. There is a notable decline of AWD incidences in the areas where the water sources were chlorinated

Figure 3.1: Epidemiological curve for Suspected cholera/AWD cases in Yemen, as of 13 November 2016



Out of the 4,825 cumulative suspected cholera cases since the beginning of the outbreak, an estimated 37 % are children below five year (Table 3.2).

Table 3.2 Cholera Case Distribution by Gender and Age by governorate

Governorate	0-5		>5	
	Female	Male	Female	Male
Aden	107	142	400	349
Albyda'a	92	77	150	145
Aldala'a	45	67	59	89
Alhudaida	115	127	238	213
Amran		1		4
Hajjah	108	100	136	111
ibb	57	10	94	15
Lahaj	62	101	121	102
Sana'a	40	56	33	45
Sana'a City	38	37	41	41
Taiz	151	202	289	286
Total	815	920	1561	1400

Table 3.3: Cholera Laboratory Test Results for Yemen, as of 17 November 2016.

Governorate	Confirmed Cholera	Negative	Pending	Total Collected
Sanaa city	13	133	10	156
Taiz	9	10	0	19
AlHudidah	8	7	1	16
Aden	21	10	3	33
Lahaj	3	15	1	19
Albyda'a	6	11	7	24
Sanaa Gov	7	50	10	67
Hajjah	3	13	3	19
Ibb	15	34	16	65
Amran	1	7	1	9
Aldalaa	4	1	2	7
	90	291	54	434

Humanitarian Response from 10-17 November 2016

The response is coordinated by the national cholera taskforce, which is chaired by the MoPHP, WHO/Health Cluster, and UNICEF/WASH Cluster with the support of OCHA. Humanitarian organizations are responding through the five different coordination hubs across the country – Aden, Al-Hudaydah, Ibb, Sa'ada and Sana'a.

Health and WASH clusters members continue to respond, despite significant funding shortfalls. To address the resource gaps, partners have had to borrow against other activities and have been forced to redirect funds earmarked for other activities. Given the likely spread of the outbreak to more districts, there is a significant need to scale up the response and increase the coverage of activities.

Health Cluster Response

- The health cluster continues to work with partners to respond to the current outbreak. As of 17 November, there were 26 DTC established in the affected districts that are operated by WHO with health authorities. Other DTCs are operated by health cluster partners, such as Action Contre la Faim (ACF) and Save the Children. Cluster partners also established the integrated community case management for diarrhea and oral rehydration therapy corners. WHO in collaboration with partners is supporting effective case management according to technical WHO guidelines.
- WHO is supporting two national health emergency control rooms in Aden and Sana'a supporting quality data collection from affected governorates, to coordinate the response, issue twice a week situation updates, and mobilize rapid response teams.
- WHO is supporting the rapid response teams (RRT) in the priority governorates and hotspot districts, to ensure timely and effective epidemiological investigation and response.

- WHO has trained 30 physicians on case management and infection control prevention in Lahj Governorate.
- WHO has trained 160 health workers in Sana'a city on strengthening reporting and detection of communicable diseases, including cholera.
- Some 40,000 copies of health education materials have been printed.
- An urgently requested 3600 Rapid diagnostic tests (RDTs) have been received and are being distributed to the governorates and the already established (DTCs) according to the agreed upon plan with health authorities as follow:
 - 10 kits (100 tests) for the governorates reported cholera.
 - 5 kits (50 tests) for the governorate that did not report cholera so far.
 - 5 kits (50tests) for each of the 26 established DTCs
 - A total of 36,000 RDTs is expected to arrive in-country in December 2016

WASH Response

The WASH Cluster is continually mobilizing partners to respond in the districts where confirmed cases are reported. As of 16 November, WASH Cluster partners are undertaking cholera WASH response in districts where confirmed cases are reported. There has been very limited resource mobilization done for cholera by partners. Most of the resources are arranged by WASH partners through reprogramming of their current allocation. Funding opportunities are being looked into for scale up. There is a need to continue to scale up WASH response coverage given the spread of the outbreak to more areas.

As of 15 November, 48,500 beneficiaries were addressed through all WASH cholera household interventions in the 27 districts reporting confirmed cases. Additionally, some 52,000 people were covered through solid waste disposal/ drainage network management. A total of 8,430 water sources/ points/wells/ tanks have been chlorinated during the reporting period. Chlorination of water sources and awareness has started in Hazm Al Odyn, Al-Makhader and Al-Sabrah districts of Ibb governorate.

The main gaps reported are:

- Water chlorination in Al Wazi'iyah district in Taiza
- Lahj Governorate (Al-Hawtah) – the gap will be covered by CARE.
- Al Dhale'e Governorate (Al-Husha)
- Hajjah Governorate (Al-Mahabsha and Aflah Al-Yemen)

