



Cholera Situation Report

MONTHLY EPIDEMIOLOGICAL REPORT 6

Epidemiological week 23: (3 June 2024 - 9 June 2024)

Key Points

Table 1: Current Epi-summary for week 23, 2024

Suspected Cases	Deaths (Suspected cases)	Case Fatality Ratio (%)	States Reporting Cases	LGAs Reporting cases
120	6	5.0%	7	23

Table 2: Cumulative suspected cases (Epi week 1 - 23, 2024)

Suspected Cases	Deaths (Suspected cases)	Case Fatality Ratio (%)	States Reporting Cases	LGAs Reporting cases
1123	28	2.5%	31	105

Table 3: Summary of monthly reported cases (Epi week 1 - 23, 2024)

Months	Epi-Weeks	Suspected Cases	Deaths (Suspected cases)	Case Fatality Ratio (%)	States Reporting Cases	LGAs Reporting cases
January	1 - 4	301	3	1.0%	14	29
February	5 - 8	311	10	3.2%	21	36
March	9 - 12	222	4	1.8%	19	38
April	13 - 17	81	3	3.7%	11	23
May	18 - 22	88	2	2.3%	16	26
June	23	120	6	5.0%	7	23

	Week 1	Week 23	
Summary	2023	2024	% Change
Suspected Cases	2,436	1,123	-54%
Deaths	66	28	-58%
CFR	2.7%	2.5%	-8%

Table 4: Comparison of cumulative cases as at week 23, 2023 and 2024

Week 23 Highlight

- 120 new cases were reported, 6 deaths with CFR = 5.0%
- 7 States Lagos (99), Rivers (8), Katsina (6), Ogun (3), Bayelsa (2), Sokoto (1) and Abia (1) reported cases of Cholera within the Epidemiological week

In the reporting month,

- States have reported 120 suspected cases of Cholera, Lagos (99), Rivers (8), Katsina (6), Ogun (3), Bayelsa (2), Sokoto and Abia reporting (1) case each
- 6 Deaths was recorded with CFR = 5.0%
- 23 Rapid Diagnostic Tests (RDT) were conducted with 4 positive results
- 39 stool culture tests were conducted and with 6 positive results
- National multi-sectoral Cholera TWG continues to monitor response across states

Cumulative Epi-Summary for 2024

- As of **9th June 2024**, a total of **1123 suspected cases including 28 deaths (CFR 2.5%)** have been reported from 31 states
- Of the suspected cases since the beginning of the year, age groups **<5 years** are mostly affected, followed by the age groups **5 - 14 years** in aggregate of both males and females
- Of all suspected cases, **49% are males and 51% are females**
- Bayelsa (466 cases) accounts for 41.5% of all suspected cases in the country of the 31 States that have reported cases of cholera
- Southern Ijaw LGA (151 cases) in Bayelsa State accounts for 13% of all suspected cases reported in the country
- Other States; Abia (108 cases), Lagos (103), Zamfara (64 cases), Bauchi (46 cases), Cross River (43 cases), Katsina (43 cases), Ebonyi (38 cases), Rivers (36 cases), Delta (34 cases), Imo (28), Nasarawa (19 cases), Ondo (17 cases), Kano (13 cases), Niger (11 cases) and Osun (11 cases) account for 54.7% of the suspected cases this year
- Comparatively, suspected cases of Cholera in the current year have decreased by 54% compared to what was reported as at Epi-week 23 in 2023. Likewise, cumulative deaths recorded have decreased by 58% in 2024

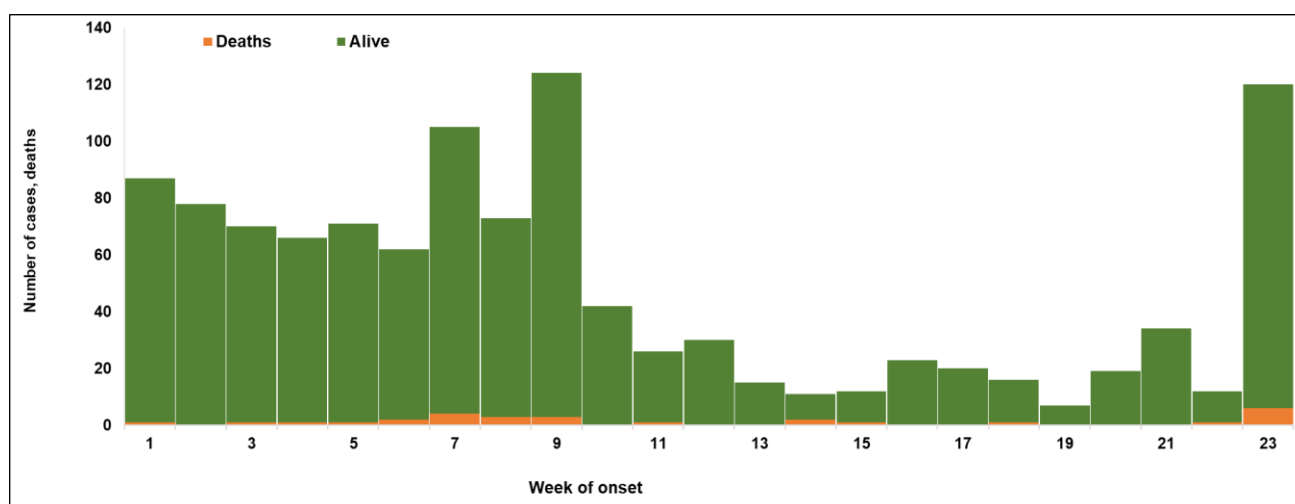


Figure 1: National Epidemic curve of weekly reported Cholera cases, week 1 to week 23, 2024

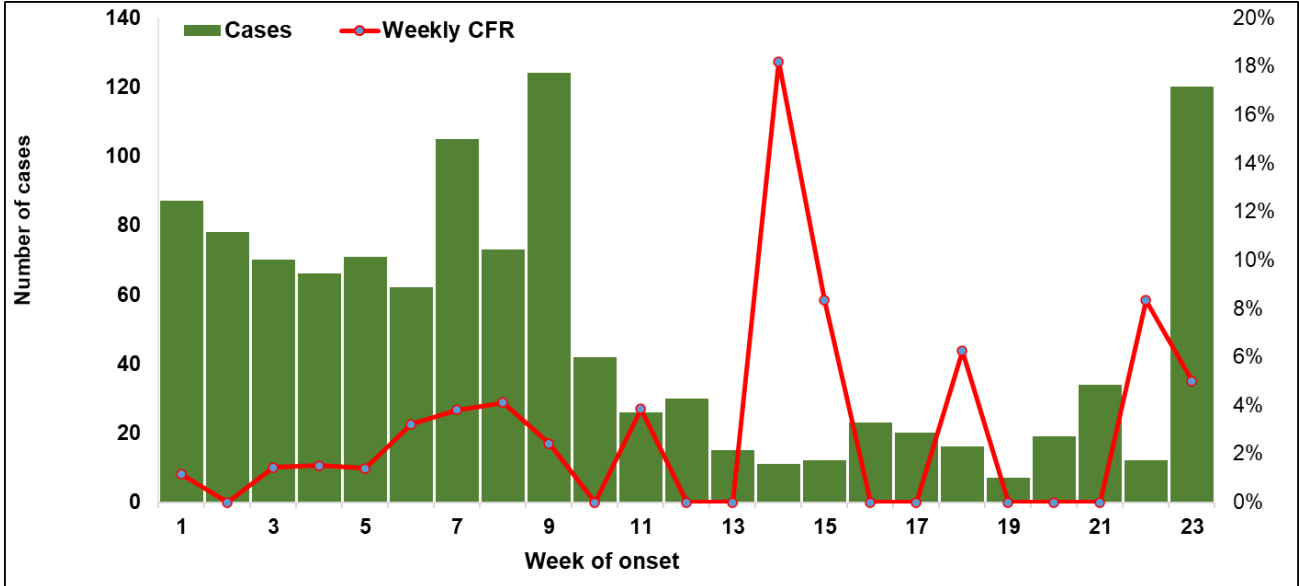


Figure 2: Trends in Case Fatality Ratio (CFR), Epi weeks 1 – 23, 2024, Nigeria

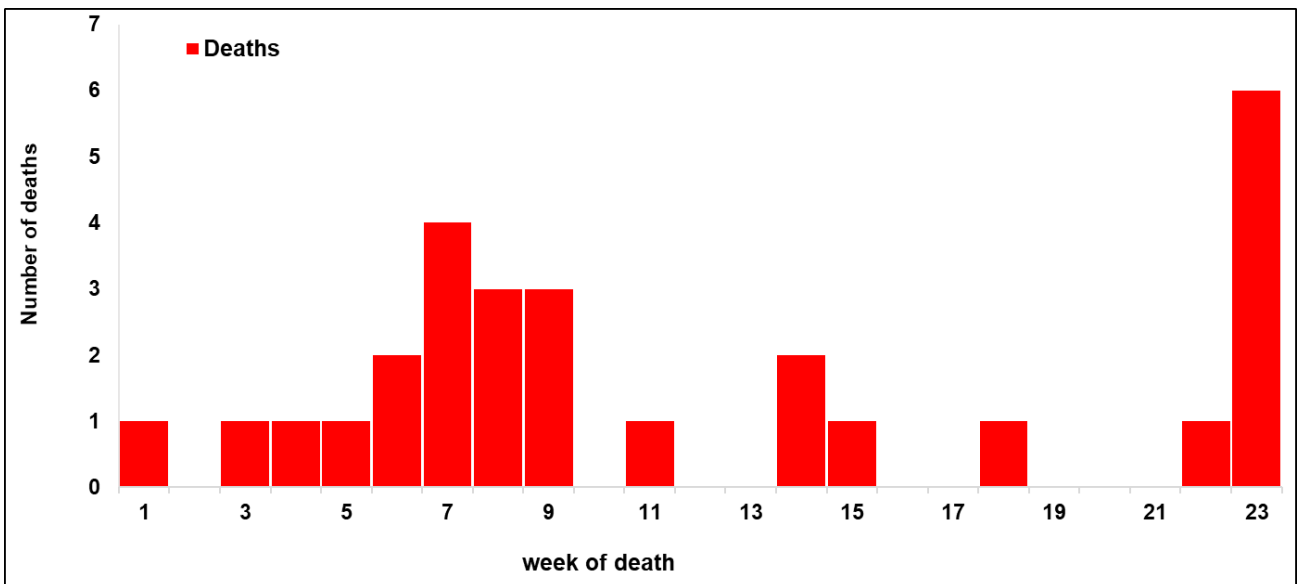


Figure 3: Trends in deaths, Epi weeks 1 - 23, 2024, Nigeria

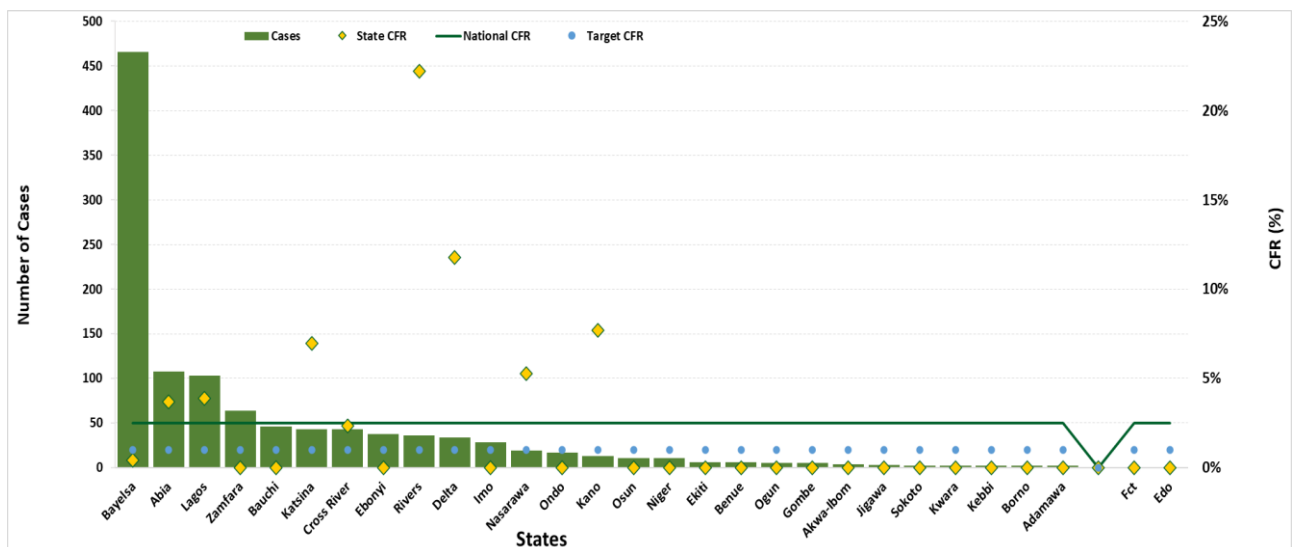


Figure 4: States' Cholera cases by Case fatality ratio (CFR) Epi-weeks 1 - 23, 2024

Table 5: Top 9 States in cumulative cases

No	State	Cases	Percent of cumulative cases	Cumulative % of total cases
1	Bayelsa	466	41%	41%
2	Abia	108	10%	51%
3	Lagos	103	9%	60%
4	Zamfara	64	6%	66%
5	Bauchi	46	4%	70%
6	Katsina	43	4%	74%
7	Cross River	43	4%	78%
8	Ebonyi	38	3%	81%
9	Rivers	36	3%	84%
Total		947	84%	

Table 6: Top 14 Local Government Areas (LGAs) in cumulative cases

No	LGA	State	Cases	% of cumulative cases	Cumulative %
1	Southern Ijaw	Bayelsa	151	13%	13%
2	Yenagoa	Bayelsa	67	6%	19%
3	Talata Mafara	Zamfara	57	5%	24%
4	Nembe	Bayelsa	54	5%	29%
5	Ekeremor	Bayelsa	52	5%	34%
6	Ogbia	Bayelsa	49	4%	38%
7	Kolokuma/Opokuma	Bayelsa	47	4%	42%
8	Umu-Nneochi	Abia	40	4%	46%
9	Andoni	Rivers	36	3%	50%
10	Sagbama	Bayelsa	35	3%	53%
11	Warri South West	Delta	34	3%	56%
12	Giade	Bauchi	33	3%	59%
13	Afikpo North	Ebonyi	28	2%	61%
14	Kosofe	Lagos	25	2%	63%
Total			708	63%	

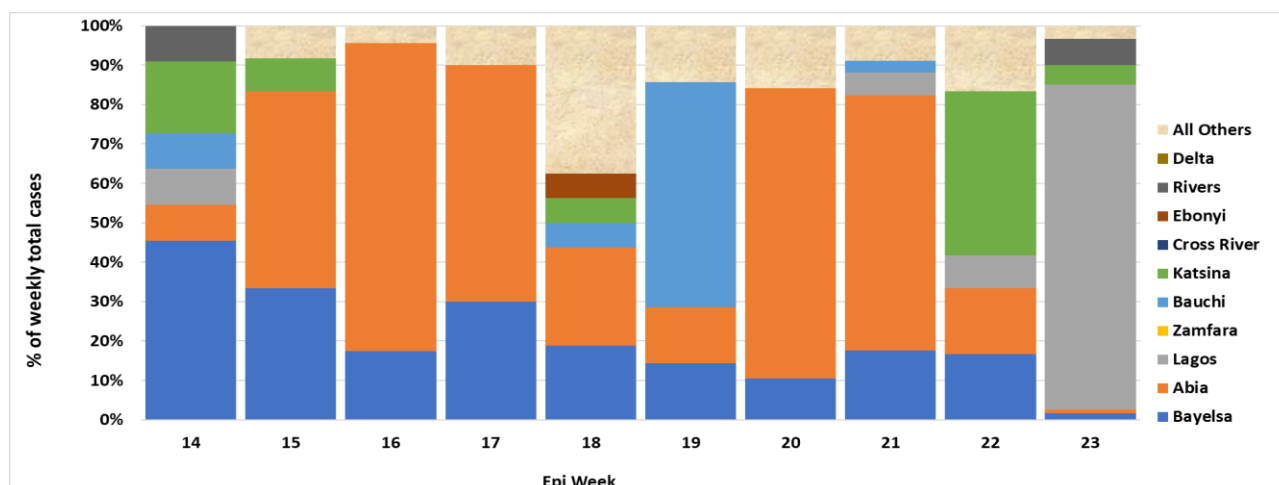


Figure 5: Proportion contribution of suspected cases by states in recent 10 epidemiologic week

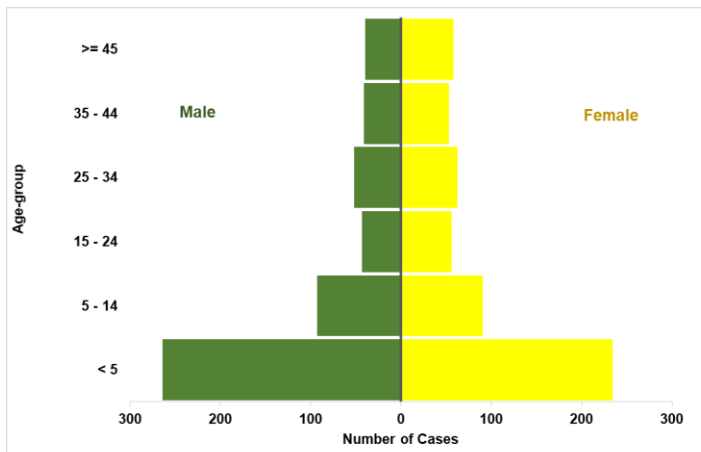


Figure 6. Age-Sex Pyramid for cumulative Cholera Cases, week 1-23, 2024: N=1,120

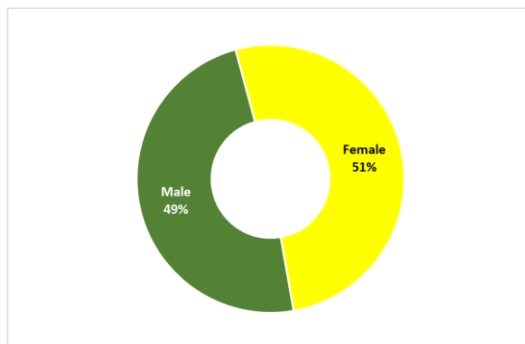


Figure 7. Sex disaggregation for cumulative Cholera cases, week 1-23, 2024: N=1,120

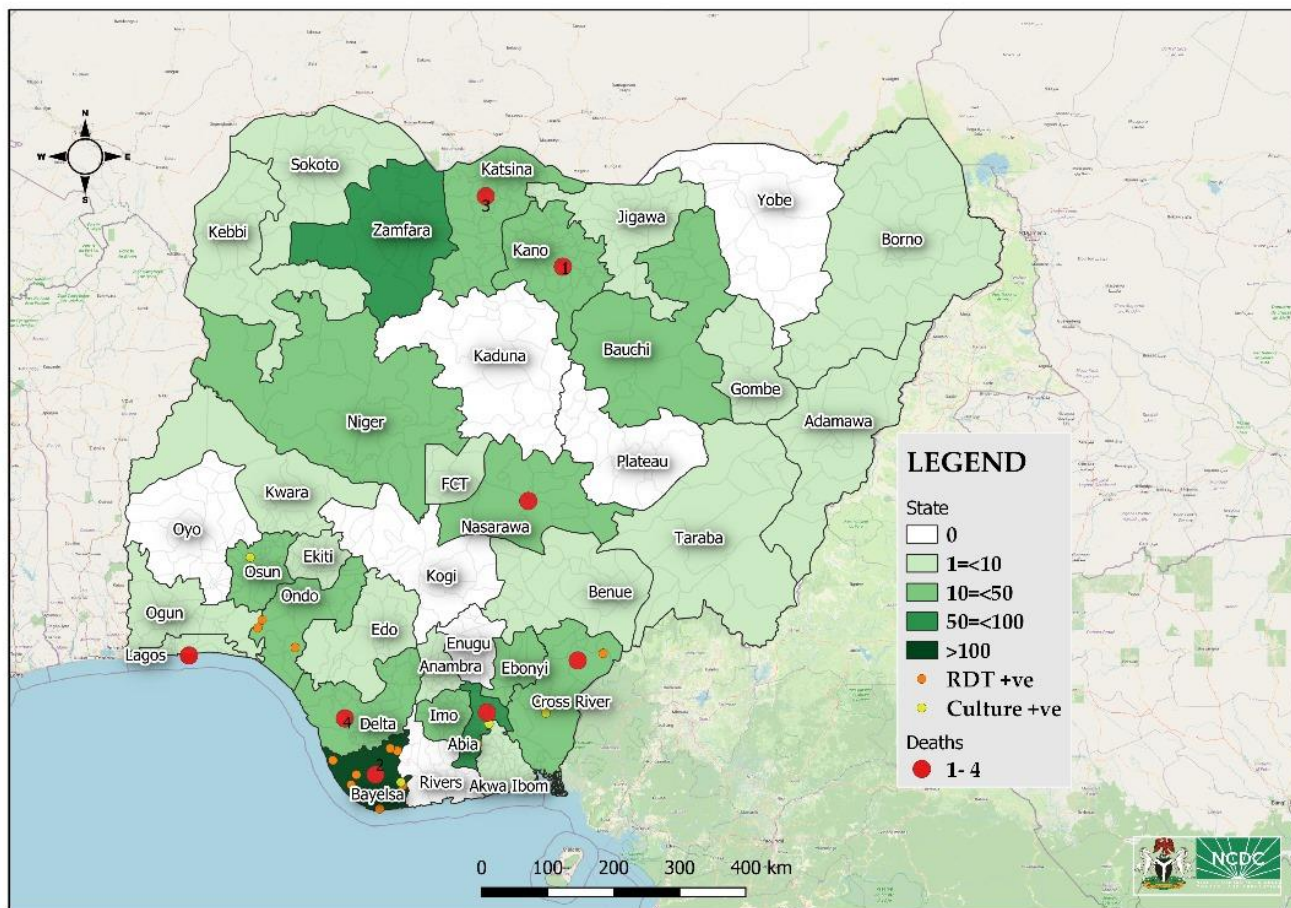


Fig. 8: Map of Nigeria showing states with RDT + Culture and suspected cases, weeks 1 - 23, 2024

Table 7. Summary table for Weekly & Cumulative number of Cholera Cases, for 2024

States	Reporting cases in 2024	State outbreak status*	Current week: (Week 23)					Cumulative (Week 1 - 23)					
			Cases		Deaths		Tests		Cases	Deaths	CFR	Tests	
			Cases	% change	Deaths	% change	RDT (%Pos)	Culture (%pos)				RDT (%Pos)	Culture (%pos)
1 Abia	Active		1	▼ 50%				108	4	3.7%	22 (9%)	5 (0%)	
2 Adamawa								2	-	0.0%		2 (0%)	
3 Akwa-Ibom								4	-	0.0%		4 (0%)	
4 Anambra								1	-	0.0%		1 (0%)	
5 Bauchi	Active							46	-	0.0%			
6 Bayelsa	Active		2			1 (0%)		466	2	0.4%	36 (25%)	16 (0%)	
7 Benue								6	-	0.0%			
8 Borno	Active			▼ 100%				2	-	0.0%			
9 Cross River								43	1	2.3%	25 (8%)	2 (50%)	
10 Delta								34	4	11.8%			
11 Ebonyi								38	-	0.0%			
12 Edo								1	-	0.0%			
13 Ekiti	Active							6	-	0.0%		2 (0%)	
14 Fct								1	-	0.0%		1 (0%)	
15 Gombe								5	-	0.0%		4 (0%)	
16 Imo	Active							28	-	0.0%	2 (0%)	7 (0%)	
17 Jigawa								3	-	0.0%			
18 Kano								13	1	7.7%			
19 Katsina	Active		6	▲ 20%	1	3 (0%)		43	3	7.0%	7 (0%)		
20 Kebbi								2	-	0.0%			
21 Kwara	Active			▼ 100%				2	-	0.0%		1 (0%)	
22 Lagos	Active		99	▲ 9800%	3	▲ 100%	1 (0%) 25 (20%)	103	4	3.9%	1 (0%)	26 (19%)	
23 Nasarawa								19	1	5.3%	1 (0%)	1 (0%)	
24 Niger	Active							11	-	0.0%		2 (0%)	
25 Ogun	Active		3	▲ 100%		3 (100%)		5	-	0.0%	3 (100%)	1 (0%)	
26 Ondo								17	-	0.0%	6 (50%)	8 (13%)	
27 Osun								11	-	0.0%		10 (10%)	
28 Oyo								-	-				
29 Rivers	Active		8	▲ 100%	2	▲ 100%	2 (50%) 2 (50%)	36	8	22.2%	2 (50%)	2 (50%)	
30 Sokoto	Active		1	▲ 100%				2	-	0.0%			
31 Taraba	#N/A							1	-	0.0%		1 (0%)	
National	13		120	▲ 900%	6	▲ 500%	10 (40%) 27 (22%)	1,059	28	2.6%	105 (19%)	96 (9%)	

*State is considered active if it has reported cases in recent 3 weeks from reporting week, Other states listed have reported cases during the year but not in recent 3 weeks

Table 7: Response activities

Pillar	Activities to date	Next steps
Coordination	<ul style="list-style-type: none"> Response is being coordinated by the national multi-sectoral TWG hosted at NCDC, in collaboration with Federal Ministry of Health (FMOH), Federal Ministry of Water Resources (FMWR), Federal Ministry of Environment (FMEvrt), National Primary Health Care Development Agency (NPHCDA) and Development Partners Activation of EOC 	<ul style="list-style-type: none"> The national multi-sectoral TWG will continue to coordinate the national response Continue sub-national level preparedness and response support Ongoing review of National Cholera Plan
Surveillance	<ul style="list-style-type: none"> Ongoing surveillance in all states through the routine Integrated Disease Surveillance and Response (IDSR) and Event Based Surveillance (EBS) 	<ul style="list-style-type: none"> Continue data collation and harmonisation Ongoing cholera surveillance evaluation across states

	<ul style="list-style-type: none"> • Providing offsite/onsite support to states and follow up for daily reporting and progress with response activities 	
Case Management & IPC	<ul style="list-style-type: none"> • Provided technical support and response commodities to affected states • Finalisation workshop held on cholera case management guideline, treatment protocol and SOP harmonisation 	<ul style="list-style-type: none"> • Continue providing technical support on case management and IPC to states • Continue training of Health Care Workers (HCW) on management of cholera • Continuous follow up with states for updates and support
Laboratory	<ul style="list-style-type: none"> • Collect samples of all water sources and food samples in all the affected LGAs. Inspect water production facilities and collect environmental samples. • Supported ongoing testing across state-level laboratories at NCDC National Reference Laboratory (NRL), Abuja and CPHL Yaba-Lagos 	<ul style="list-style-type: none"> • Ongoing sub-national level training of Laboratory Scientists on sample collection and analysis • Ongoing finalisation of cholera diagnostics guidelines and SOP
WASH	<ul style="list-style-type: none"> • Hygiene promotion, provision of safe water, water chlorination, household disinfection and sensitisation on dangers of open defecation ongoing in high-risk communities by WASH sector partners and Community Health Volunteers in the affected states • Continuous construction of sanitation and hygiene facilities with boreholes in cholera hotspots • Conducted WASH Sector review workshop 	<ul style="list-style-type: none"> • Continue distribution of hygiene kits to affected states
Logistics	<ul style="list-style-type: none"> • Essential response commodities are being distributed to all cholera affected states 	<ul style="list-style-type: none"> • Continue supporting affected states with essential response commodities
Vaccination (led by NPHCDA)	<ul style="list-style-type: none"> • Epidemiological trend is being monitored to guide ICG request for planned vaccination campaigns 	<ul style="list-style-type: none"> • Continue monitoring epidemiological trend to guide ICG request for planned vaccination campaigns
Risk communication	<ul style="list-style-type: none"> • Cholera jingles are being aired in English and local languages • Community social mobilisation, media interviews, distribution of Information, Education and Communication (IEC) materials and awareness campaigns ongoing in affected communities • Cholera advisory developed and circulated 	<ul style="list-style-type: none"> • Continue airing of cholera jingles and distribution of IEC materials • Continue media engagement meetings and training of journalist, other media professionals

		<ul style="list-style-type: none"> Continued follow-up with states for update on risk communication
State Response	Multi-sectoral State-level Emergency Operation Centres (EOCs) activated in Lagos State	Continue supporting state response activities

Challenges

- Difficulty in accessing some communities due to security concerns
- Open defecation in affected communities
- Lack of potable drinking water in some rural areas and urban slums
- Poor hygiene practice in most cholera affected communities
- Inadequate health facility infrastructure and cholera commodities for management of patients (Ringer's lactate and ORS)
- Poor utilisation of RDTs distributed to facilities and surveillance officers
- Inadequate trained personnel in states for case management
- Poor and inconsistent reporting from states

Next Steps

- Continue training on cholera surveillance, hotspot mapping and develop state level preparedness and response plans
- Maintain communication with and support to states for data reporting and response
- Continue advocacy to State Governments to increase funding in WASH infrastructure
- Continue distributing response commodities across states
- Build capacity for sample collection, transportation and laboratory diagnosis
- Continue cholera surveillance evaluation across states
- Scale up risk communications
- Continue review of the National Cholera Plan

Notes on this report

Data Source

Information for this disease was from routine case-based data and outbreak line-lists retrieved by the National Cholera Technical Working Group

Case definitions

Suspected Case:

- Any patient aged ≥ 2 years with acute watery diarrhoea and severe dehydration or dying from acute watery diarrhoea with or without vomiting.
- In areas where a Cholera outbreak is declared, any person presenting with or dying from acute watery diarrhoea with or without vomiting.

Confirmed Case: A suspected case in which *Vibrio cholerae* O1 or O139 has been isolated in the stool by culture.

Erratum

- A backlog of suspected cases for epi week 1 - 4 (7) was added

Cholera Situation Report

Epi Week: 23, 2024

- *A backlog of suspected cases for epi week 5 - 8 (20) was added*
- *A backlog of suspected cases for epi week 9 - 12 (12) was added*
- *A backlog of suspected cases for epi week 13 - 17 (21) was added*
- *A backlog of suspected cases for epi week 18 - 22 (61) was added*

DATA AS REPORTED AND ACCURATE BY NCDC AS AT MIDNIGHT 9th JUNE 2024