



Cholera Situation Report

WEEKLY EPIDEMIOLOGICAL REPORT 18

Epi Week 41: 11 October – 17 October 2021

Key Points

Table 1: Summary of current week (Epi week 41 ,2021)

Suspected Cases	Deaths (Suspected cases)	Case Fatality Ratio (%)	States Reporting Cases	LGAs Reporting cases
417	21	5.0%	7	6

Table 2: Cumulative summary from Epi week 1-41,2021

Suspected Cases	Deaths (Suspected cases)	Case Fatality Ratio (%)	States Reporting Cases	LGAs Reporting cases
93,362	3,283	3.5%	33	376

Week 41 Highlights

- Thirty-two states and FCT have reported suspected cholera cases in 2021. These are Abia, Adamawa, Bauchi, Bayelsa, Benue, Borno, Cross River, Delta, Ebonyi, Ekiti, Enugu, FCT, Gombe, Jigawa, Kaduna, Kano, Katsina, Kebbi, Kogi, Kwara, Lagos, Nasarawa, Niger, Ogun, Ondo, Osun, Oyo, Plateau, Sokoto, Taraba, Yobe, Rivers and Zamfara
- In the reporting week, 7 states reported **417** suspected cases - Yobe (121), Adamawa (86), Borno (71), Zamfara (67), Niger (49), Katsina (14) and Kaduna (9)
- There was a **22% decrease in the number of new suspected cases** in week 41 (417) compared with week 40 (535)
- Yobe (121), Adamawa (86) and Borno (71) account for 67% of 417 suspected cases reported in week 41
- During the reporting week, 23 Cholera Rapid Diagnostic Tests (RDT) were conducted. RDT conducted were from Zamfara (11), Borno (5), Adamawa (5) and Kaduna (2). Of this, a total of 15 (65%) were positive by RDT
- A total of 4 stool cultures were done in Zamfara (2) and Borno (2). Of this, a total of 2 (50%) were positive
- Of the cases reported, there were twenty-one deaths from the five states reporting with a weekly case fatality ratio (CFR) of 5.0%
- No new state reported cases in week 41
- The national multi-sectoral EOC activated at level 02 continues to coordinate the national response

Cumulative Epi-Summary

- As at 17th October 2021, a total of 93,362 suspected cases including 3,283 deaths (CFR 3.5%) have been reported from 32 states and FCT in 2021
- Of the suspected cases since the beginning of the year, **age group 5 - 14 years** is the most affected age group for male and female
- Of all suspected cases, **50% are males and 50% are females**
- Three states - Bauchi (19,452 cases), Kano (12,116 cases), Zamfara (11,084 cases) and Jigawa (10,763 cases) account for 57% of all cumulative cases
- Twelve LGAs across five states Bauchi (4), Zamfara (4), Jigawa (2), Kano (1), and Katsina (1) have reported more than 1,000 cases each this year

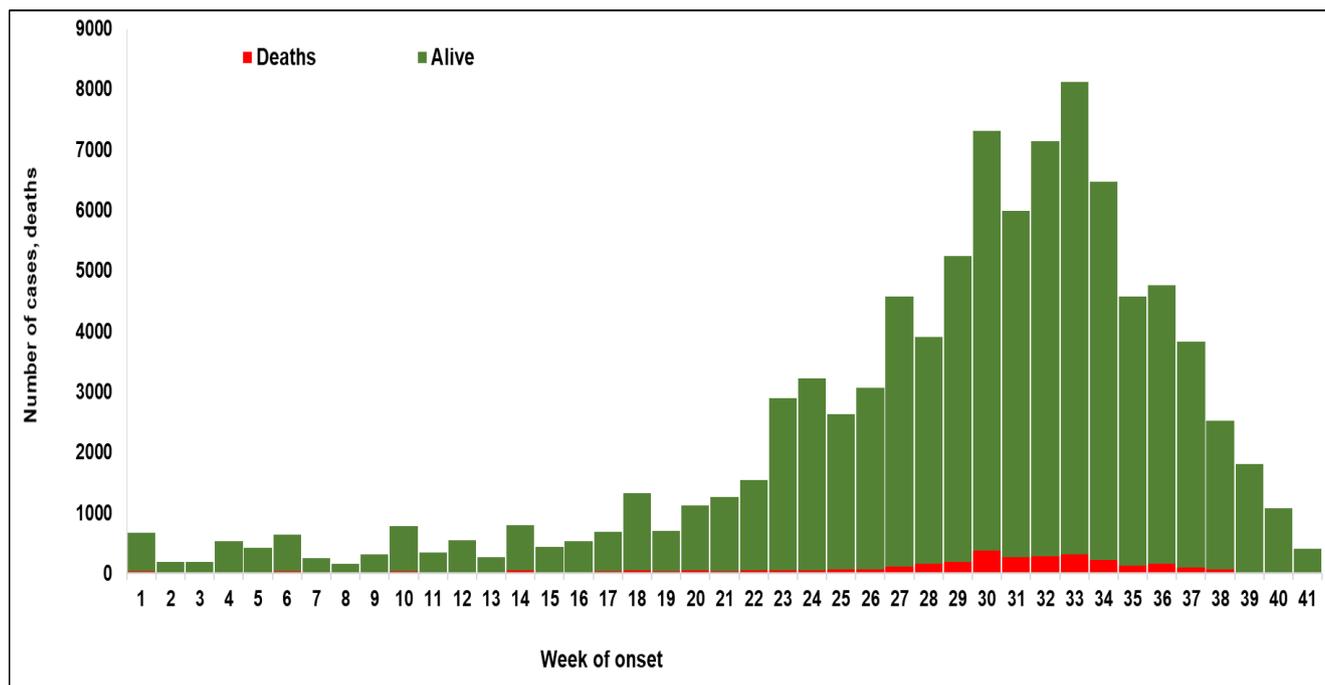
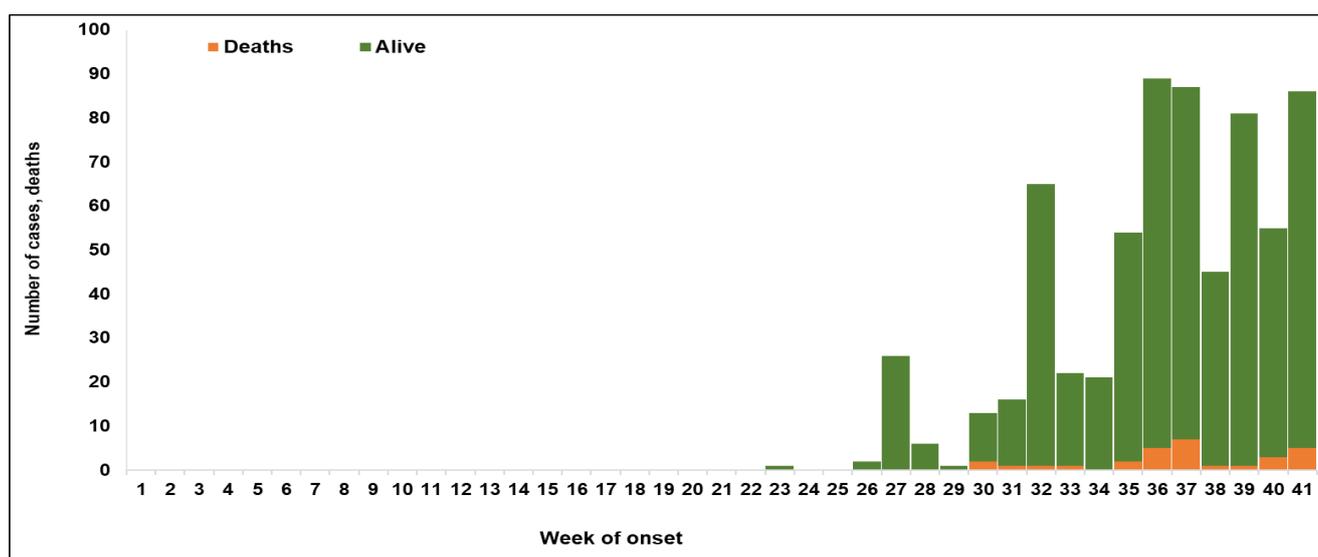
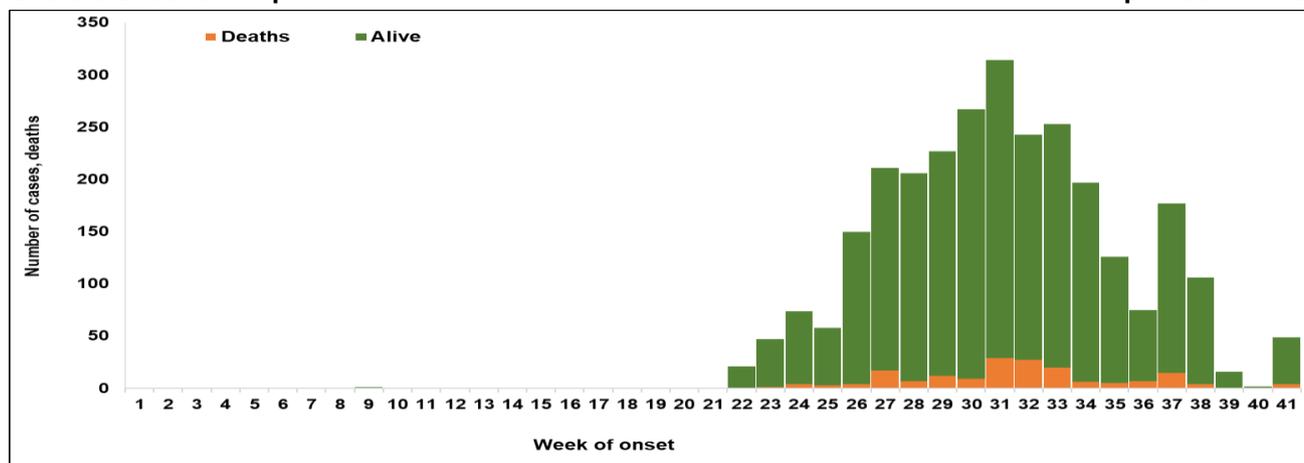


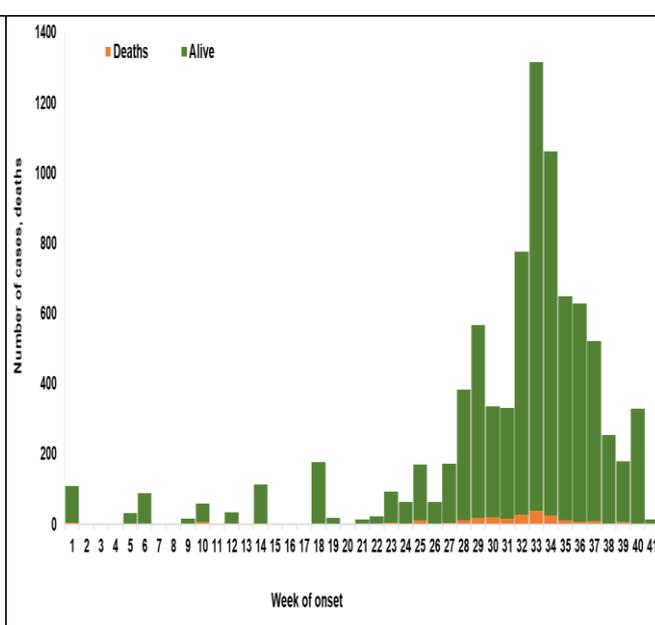
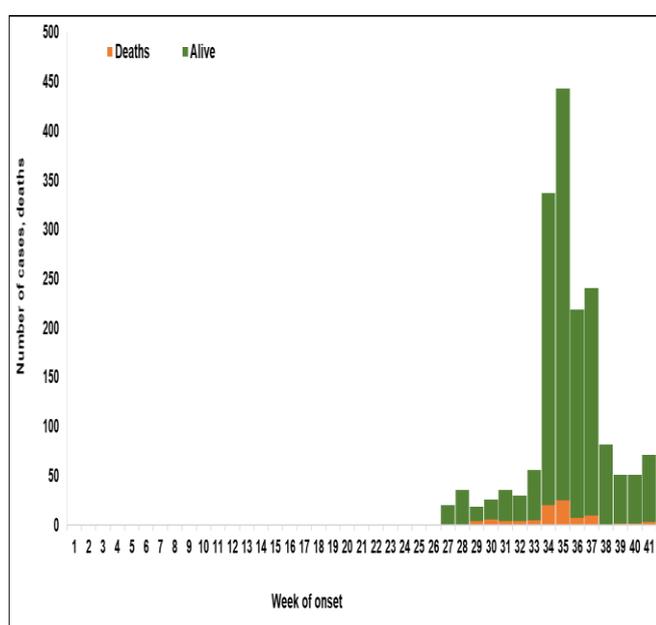
Figure 1. Epidemic curve of weekly reported Cholera cases, week 1 to week 41, 2021



Adamawa State



Niger State



Borno State

Katsina State

Figure 2. State epidemic curve of weekly reported cholera cases, week 1 to week 41, 2021

Table 3: Top 10 states in cumulative cases

No	State	Cases	Percent of cumulative cases	Cumulative % of total cases
1	Bauchi	19,452	21%	21%
2	Kano	12,116	13%	34%
3	Zamfara	11,084	12%	46%
4	Jigawa	10,763	12%	58%
5	Katsina	8,602	9%	67%
6	Sokoto	8,453	9%	76%
7	Kebbi	4,568	5%	81%
8	Yobe	3,468	4%	85%
9	Niger	2,820	3%	88%
10	Kaduna	2,107	2%	90%
Total		83,433	90%	

Table 4: Top 20 Local Government Areas (LGAs) in cumulative cases

No	LGA	State	Cases	% of cumulative cases	Cumulative %
1	Bauchi	Bauchi	9290	10%	10%
2	Zurmi	Zamfara	2854	3%	13%
3	Hadejia	Jigawa	2331	2%	15%
4	Shinkafi	Zamfara	2152	2%	17%
5	Dutse	Jigawa	2129	2%	19%
6	Anka	Zamfara	2100	2%	21%
7	Gusau	Zamfara	2012	2%	23%
8	Funtua	Katsina	1959	2%	25%
9	Sumaila	Kano	1923	2%	27%
10	Toro	Bauchi	1849	2%	29%
11	Ganjuwa	Bauchi	1306	1%	30%
12	Tafawa Balewa	Bauchi	1119	1%	31%
13	Birnin Kudu	Jigawa	970	1%	32%
14	Gwadabawa	Sokoto	967	1%	33%
15	Dange-Shuni	Sokoto	958	1%	34%
16	Ningi	Bauchi	861	1%	35%
17	Bichi	Kano	837	1%	36%
18	Illela	Sokoto	722	1%	37%
19	Warji	Bauchi	691	1%	38%
20	Kaugama	Jigawa	670	1%	39%
Total			37,700	39	

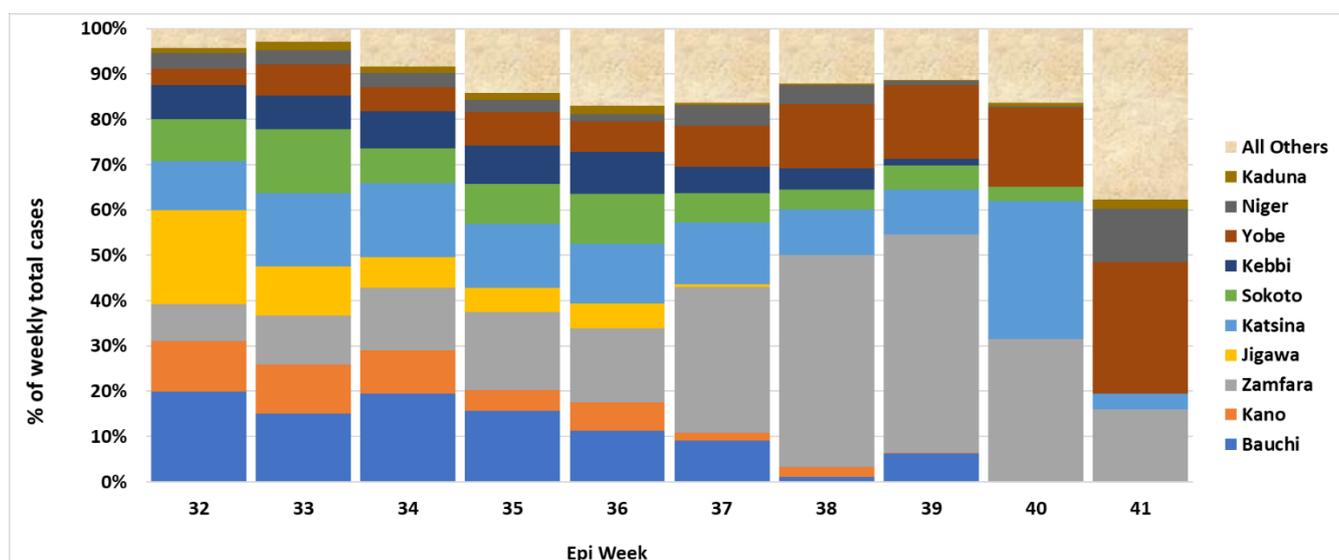


Figure 3. Percentage contribution of weekly cases by state in recent 10 weeks, week 32- 41, 2021

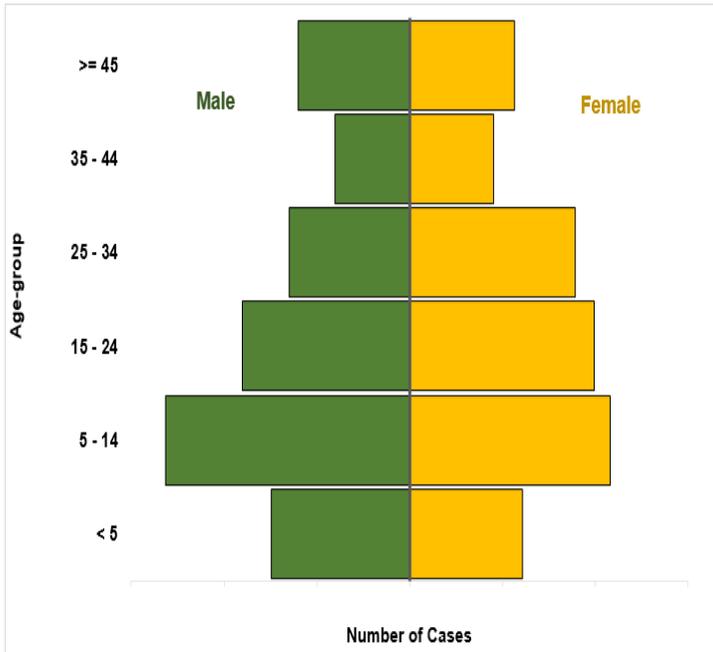


Figure 4. Age-Sex Pyramid for cumulative cholera cases, week 1-41 , 2021: N=93,082

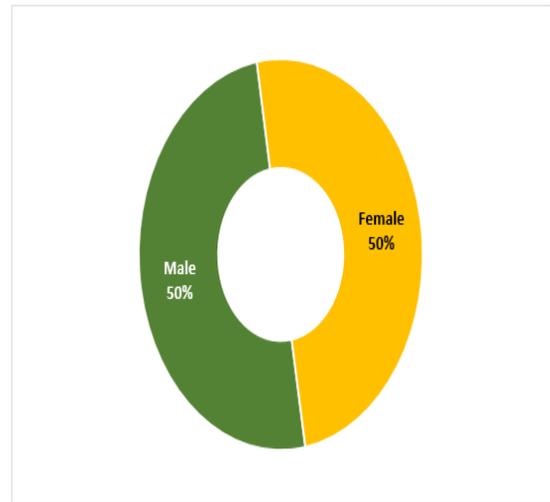


Figure 5. Sex disaggregation for cumulative cholera cases, week 1-41 , 2021: N=93,082

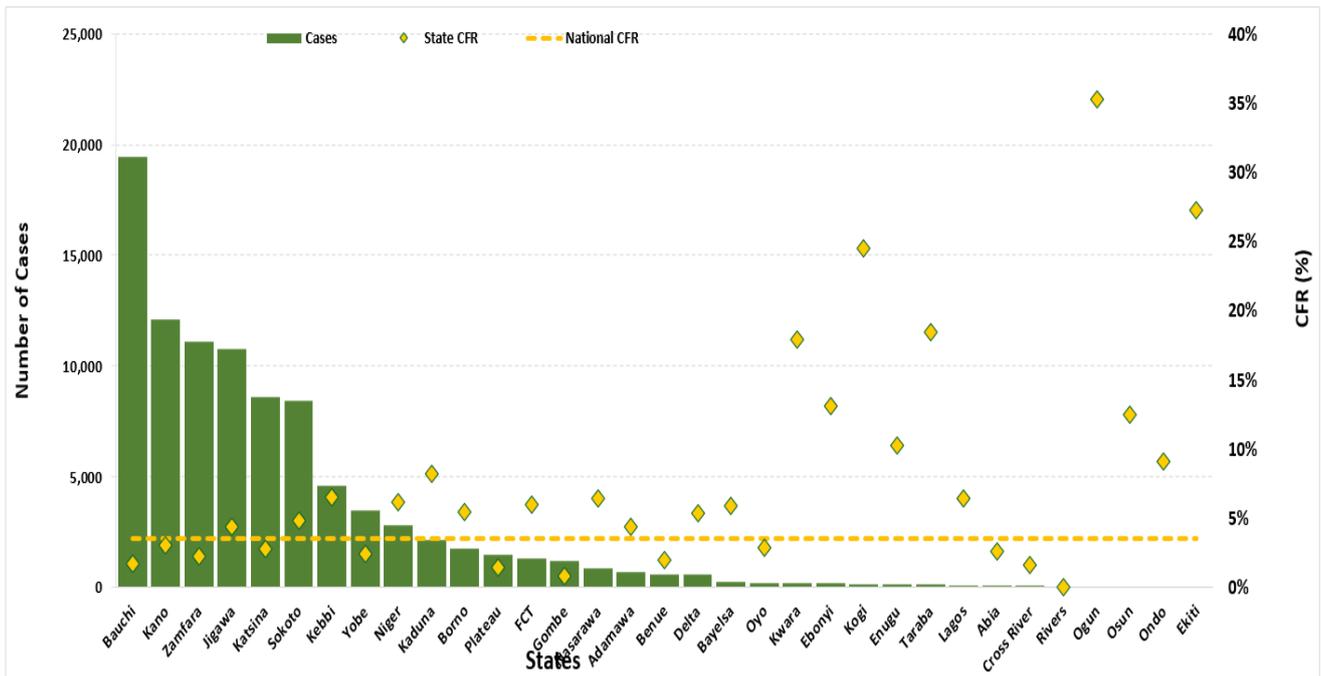


Figure 6: Number of cumulative cholera cases with case fatality ratio (CFR) by state, week 1-41, 2021

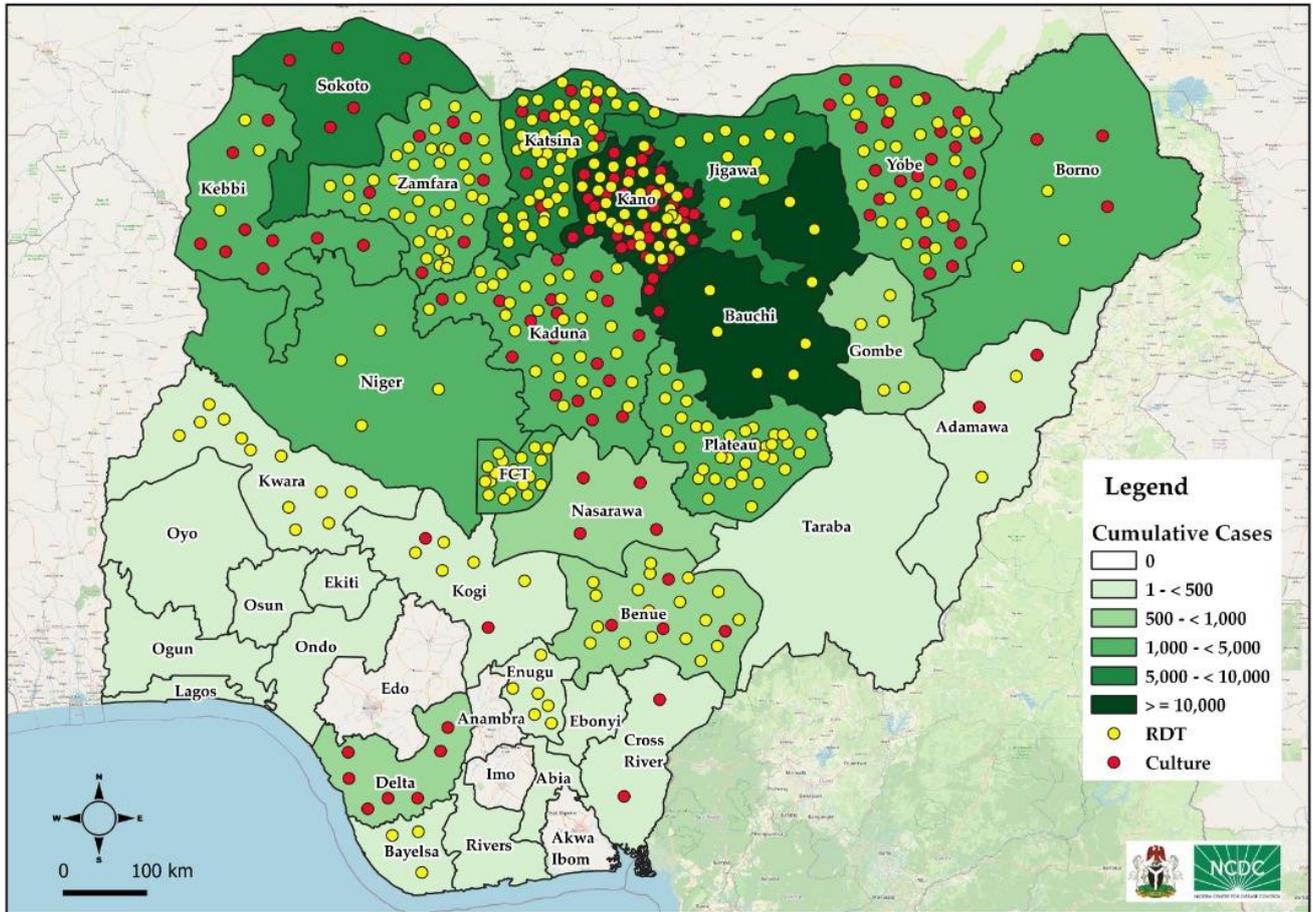


Figure 7. Map of Nigeria showing states with RDT + Culture confirmation and suspected cases, week 1- 41, 2021

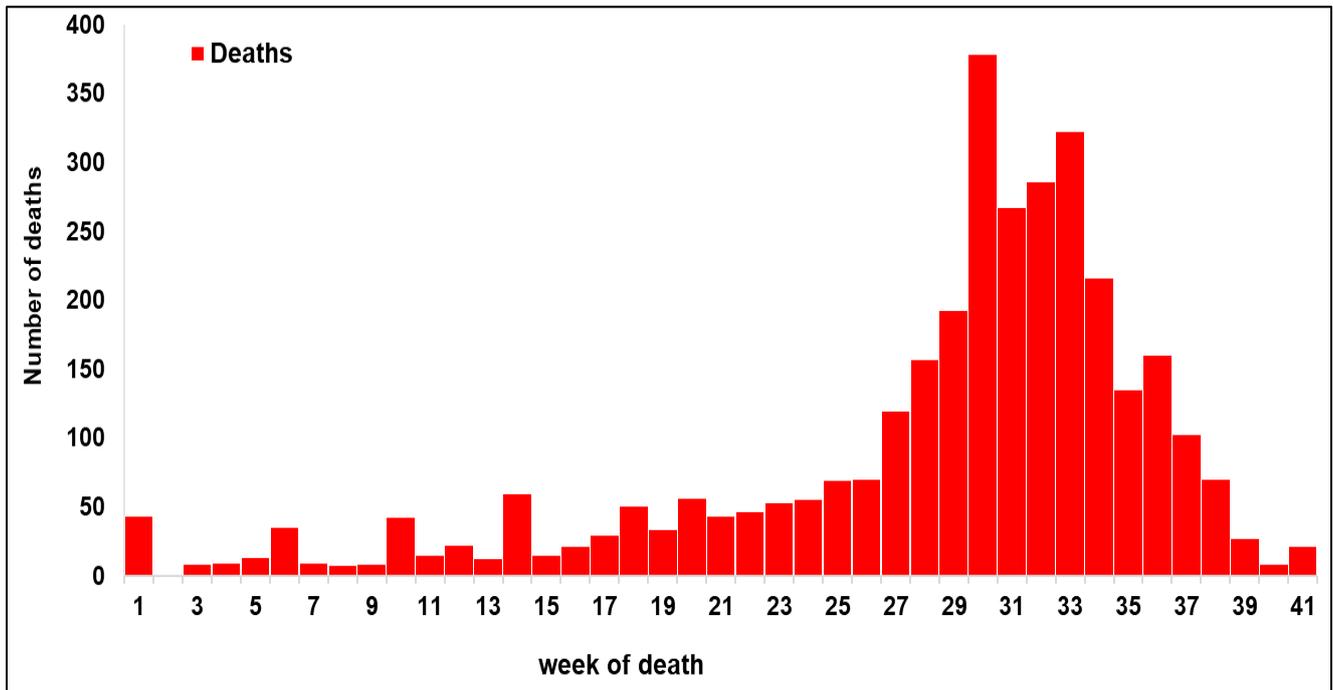


Figure 8: Trends in Deaths, week 1-41, 2021, Nigeria

Table 5. Summary table for Weekly & Cumulative number of Cholera Cases, for 2021

States	Reporting cases in 2021	State outbreak status*	Current week: (Week 41)						Cumulative (Week 1 - 41)				
			Cases		Deaths		Tests		Cases	Deaths	CFR	Tests	
			Cases	% change	Deaths	% change	RDT (%Pos)	Culture (%pos)				RDT (%Pos)	Culture (%pos)
1 Bauchi	Active							19,452	323	1.7%	152 (67%)	25 (100%)	
2 Kano	Active							12,116	368	3.0%	21 (95%)	21 (81%)	
3 Zamfara	Active		67	▼ 80%	3	▲ 100%	11 (73%)	2 (0%)	11,084	244	2.2%	131 (65%)	94 (72%)
4 Jigawa								10,763	470	4.4%	37 (65%)		
5 Katsina	Active		14	▼ 96%				8,602	237	2.8%	222 (23%)	139 (12%)	
6 Sokoto	Active			▼ 100%				8,453	410	4.9%		5 (80%)	
7 Kebbi	Active							4,568	296	6.5%	58 (74%)	11 (64%)	
8 Yobe	Active		121	▼ 36%	5	▲ 67%		3,468	84	2.4%	166 (52%)	88 (90%)	
9 Niger	Active		49	▲ 2350%	4	▲ 100%		2,820	174	6.2%	79 (61%)		
10 Kaduna	Active		9		1	▲ 100%	2 (0%)	2,107	172	8.2%	197 (51%)	15 (87%)	
11 Borno	Active		71	▲ 39%	3	▲ 50%	5 (60%)	2 (100%)	1,718	94	5.5%	69 (91%)	29 (72%)
12 Plateau								1,481	21	1.4%	76 (43%)	5 (0%)	
13 FCT								1,286	77	6.0%	29 (72%)		
14 Gombe	Active			▼ 100%				1,171	9	0.8%	216 (77%)		
15 Nasarawa	Active							857	55	6.4%	17 (100%)		
16 Adamawa	Active		86	▲ 56%	5	▲ 67%	5 (80%)	670	29	4.3%	199 (62%)	93 (65%)	
17 Benue								598	12	2.0%	19 (100%)	4 (100%)	
18 Delta								578	31	5.4%		5 (40%)	
19 Bayelsa								256	15	5.9%	4 (75%)	4 (0%)	
20 Oyo	Active							209	6	2.9%	5 (40%)		
21 Kwara								195	35	17.9%	134 (10%)		
22 Ebonyi	Active							175	23	13.1%	3 (100%)		
23 Kogi								151	37	24.5%	9 (78%)	8 (50%)	
24 Enugu								127	13	10.2%	7 (100%)		
25 Taraba								119	22	18.5%	11 (73%)		
26 Lagos	Active							78	5	6.4%		19 (42%)	
27 Abia	Active							78	2	2.6%	10 (40%)	5 (40%)	
28 Cross River								64	1	1.6%		3 (67%)	
29 Rivers								46	-	0.0%			
30 Ogun								34	12	35.3%			
31 Osun								16	2	12.5%	2 (50%)	2 (0%)	
32 Ondo								11	1	9.1%	4 (25%)		
33 Ekiti								11	3	27.3%	2 (100%)	2 (100%)	
National	17		417	▼ 61%	21	▲ 163%	23 (65%)	4 (50%)	93,362	3,283	3.5%	1879 (56%)	577 (58%)

*State is considered active if it has reported cases in the last 3 weeks. Other states listed have reported cases during the year but not in the last 3 weeks

Table 6: Response activities

Pillar	Activities to date	Next steps
Coordination	<ul style="list-style-type: none"> • Response is being coordinated by the national multi-sectoral EOC hosted at NCDC, in collaboration with Federal Ministry of Health (FMOH), Federal Ministry of Water Resources (FMWR), Federal Ministry of Environment (FMEvrt), and partners • National Rapid Response Teams (RRTs) with response commodities deployed by NCDC to support the response in sixteen states - Benue, Kano, Kaduna, Zamfara, Bauchi, Plateau, Jigawa, Katsina, Niger, Gombe, Sokoto, Kebbi, Oyo, Yobe, Adamawa and the FCT 	<ul style="list-style-type: none"> • The national multi-sectoral EOC activated at level 02 continues to coordinate the national response • Continue zonal level trainings on cholera detection, reporting and case management • Planned NRRT deployment to Borno, Abia, Ebonyi, Kaduna, Zamfara, Nasarawa, Lagos and Niger
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) • Providing offsite/onsite support to states and follow up for daily reporting and progress with response activities 	<ul style="list-style-type: none"> • Continue data collation and harmonisation
Case Management & IPC	<ul style="list-style-type: none"> • Provided technical support and response commodities to affected states 	<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"> • Supported testing of samples received from Benue, Niger, Plateau, Bauchi, Jigawa, Kaduna, Kano, Kwara, Katsina, Enugu, Bayelsa, Adamawa, Nasarawa, Gombe, Yobe, Borno, Oyo, Kebbi, Sokoto, Ebonyi, Abia and FCT at NCDC National Reference Laboratory (NRL), Abuja • Ongoing testing across state-level laboratories 	<ul style="list-style-type: none"> • Planned sub-national level training of Laboratory Scientists on sample collection and analysis
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 	<ul style="list-style-type: none"> • Continue distribution of hygiene kits to affected states

	<ul style="list-style-type: none"> Continuous construction of sanitation and hygiene facilities with boreholes in cholera hotspots 	
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 Reactive OCV campaigns were conducted in March at Agatu LGA, Benue State and in July at Bauchi LGA, Bauchi State Recently conducted OCV campaigns in Dutse, Birnin-Kudu and Hadejia LGAs of Jigawa state 	<ul style="list-style-type: none"> Continue monitoring epidemiological trend to guide ICG request for planned vaccination campaigns Planned OCV campaigns in: Zamfara State (LGAs: Shinkafi, Zurmi), Yobe State (LGA: Damaturu)
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 Conducted Ministerial press briefings 	<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 Continued follow-up with states for update on risk communication
State Response	Multi-sectoral State-level EOCs currently activated in Zamfara, Kaduna, Bauchi, Plateau, Kano, Enugu, Jigawa, Niger, Gombe, Sokoto, Katsina, Adamawa, Borno, Oyo, Lagos, Kebbi, Yobe and the FCT	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
- Inadequate vaccines to cover all LGAs, wards and settlements with cholera outbreaks
- Inadequate health facility infrastructure and cholera commodities for management of patients (Ringer's lactate and ORS)
- Inadequate trained personnel in states for case management
- Poor and inconsistent reporting from states

Next Steps

- Conduct 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
- Conduct OCV campaigns in Zamfara and Yobe States
- Develop and submit cholera vaccination request to International Coordinating Group (ICG) and the Global Task Force for Cholera Control (GTFCC) for reactive and preventive cholera campaign with NPHCDA
- Continue advocacy to State Governments to increase funding in WASH infrastructure
- Pre-position response commodities across states
- Build capacity for sample collection, transportation and laboratory diagnosis
- Planned deployment of RRTs to more affected states
- Scale up risk communications

Notes on this report

Data Source

Information for this disease was case based data retrieved from the National Cholera Emergency Operations Centre.

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

DATA AS REPORTED AND ACCURATE BY NCDC AS AT MIDNIGHT 17th OCTOBER 2021