



## Nigeria Centre for Disease Control

**Protecting the health of Nigerians** 

Epi Week: 33 2021

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# **Cholera Situation Report**

# **WEEKLY EPIDEMIOLOGICAL REPORT 10**

Epi Week 33: 16 - 22 August 2021

## **Key Points**

Table 1: Summary of current week (Epi week 33,2021)

Suspected	Deaths					
Cases	(Suspected)	Ratio (%)	Reporting Cases	Reporting cases		
3,098	63	2.0%	12	83		

Table 2: Cumulative summary from Epi week 1-33,2020

Suspected	Deaths	Case Fatality	States	LGAs
Cases	(Suspected)	Ratio (%)	Reporting Cases	Reporting cases
58,698	2,035	3.5%	24	

## **Highlights**

- Twenty-three states and FCT have reported suspected cholera cases in 2021. These are Benue, Delta, Zamfara, Gombe, Bayelsa, Kogi, Sokoto, Bauchi, Kano, Kaduna, Plateau, Kebbi, Cross River, Nasarawa, Niger, Jigawa, Yobe, Kwara, Adamawa, Enugu, Katsina, Borno, Taraba and FCT
- In the reporting week, 12 states reported 3,098 suspected cases Bauchi (1,145), Katsina (691), Zamfara (454), Yobe (216), Sokoto (196), Jigawa (187), Kano (80), Niger (79), Borno (30), FCT (11), Adamawa (6) and Kebbi (3). Of this, there were 35 RDT confirmed cases from Katsina (14), Yobe (7), Adamawa (6), Zamfara (4), Borno (2), Jigawa (1) and FCT (1). Also 13 culture confirmed cases from Yobe (6), Adamawa (6) and FCT (1)
- In addition, there were 63 deaths from Katsina (19), Bauchi (16), Niger (7), Zamfara (6), Jigawa (4), Sokoto (4), Borno (4), Yobe (1), Kano (1) and Adamawa (1) states. National CFR is 2.0%
- No new state reported cases in epi week 33
- The national multi-sectoral EOC activated at level 02 continues to coordinate the national response

#### **Epi-Summary**

- As at 27<sup>th</sup> August 2021, a total of 58,698 suspected cases including 2,035 deaths (CFR 3.5%) have been reported from 23 states and FCT in 2021
- There was a 44% decrease in the number of new suspected cases in week 33 (3098) compared with week 32 (5476)
- Bauchi (1,145), Katsina (691) and Zamfara (454) account for 73.9% of 3,098 suspected cases reported in week 33
- Of the suspected cases since the beginning of the year, **age group 5 14 years** is the most affected age group for both male and female
- Of all suspected cases, 51% are males and 49% are females

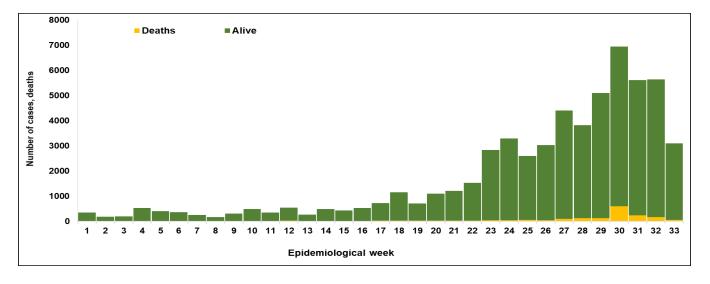


Figure 1. Epidemic curve of weekly reported Cholera cases, week 1 to week 33, 2021

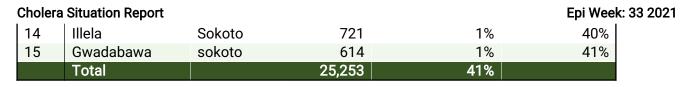
 A backlog of 2,492 suspected cases was added to the initial 2,984 cases reported in epi week 32, following late data submission

Table 3: Top 10 states in cumulative cases

Tuble 0:	Top To states in		Percent of	
No	State	Cases	cumulative cases	Cumulative % of total cases
1	Bauchi	16,217	28%	28%
2	Jigawa	8,620	15%	42%
3	Kano	8,605	15%	57%
4	Sokoto	5,352	9%	66%
5	Zamfara	4,234	7%	73%
6	Katsina	4,102	7%	80%
7	Kebbi	1,965	3%	84%
8	Niger	1,724	3%	87%
9	Kaduna	1,432	2%	89%
10	Plateau	1,430	2%	91%
	Total	53,681	91%	

Table 4: Top 15 Local Government Areas (LGAs) in cumulative cases

No	LGA	State	Cases	Percent of cumulative cases	Cumulative % of total cases
1	Bauchi	Bauchi	8397	14%	14%
2	Hadejia	Jigawa	2127	4%	18%
3	Gusau	Zamfara	2000	3%	21%
4	Dutse	Jigawa	1759	3%	24%
5	Sumaila	Kano	1457	2%	26%
6	Toro	Bauchi	1447	2%	28%
7	Funtua	Katsina	1192	2%	30%
8	Ganjuwa	Bauchi	1161	2%	32%
9	Zurmi	Zamfara	1045	2%	34%
10	Birnin Kudu	Jigawa	970	2%	36%
11	Tafawa Balewa	Bauchi	822	1%	37%
12	Bichi	Kano	773	1%	38%
13	Ningi	Bauchi	768	1%	39%



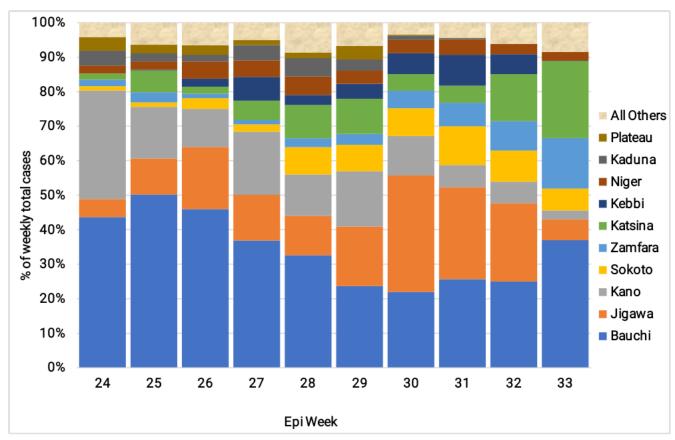


Figure 2. Percentage contribution of weekly cases by state in recent 10 weeks, week 24-33, 2021

## **Cholera Situation Report**

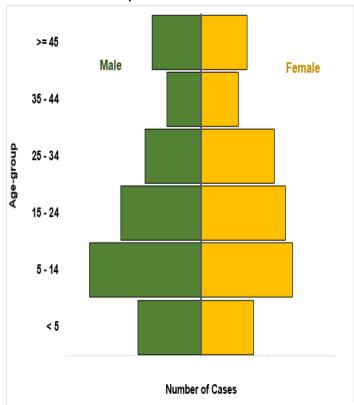


Figure 4. Age-Sex Pyramid for cumulative Cholera Cases, week 1-33 , 2021: N=58,618

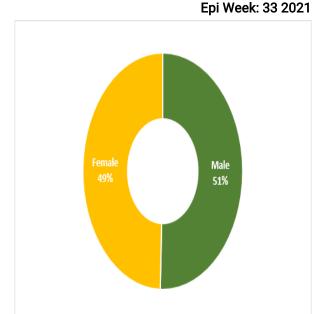


Figure 5. Sex disaggregation for cumulative Cholera cases, week 1-33, 2021: N=58,618

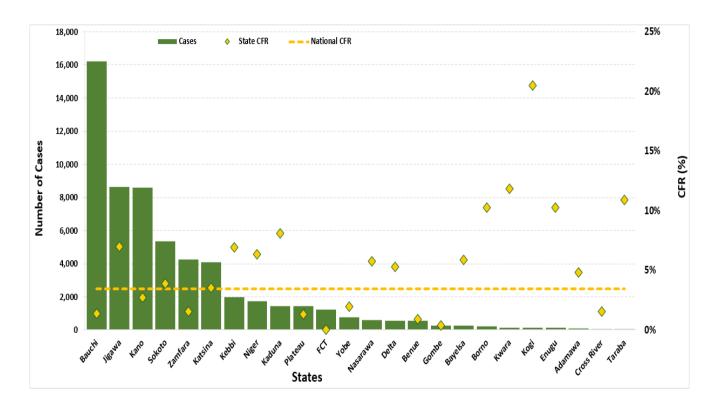


Figure 4: Number of cumulative cholera cases with case fatality ratio (CFR) by state, week 1-33, 2021

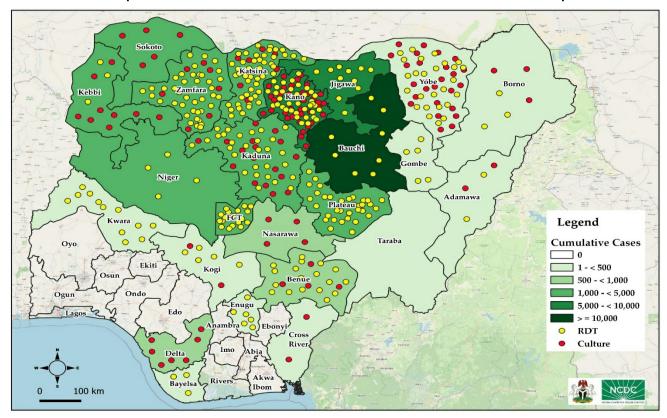


Figure 5. Map of Nigeria showing states with RDT + Culture confirmation and the burden of suspected cases, week 1-33, 2021

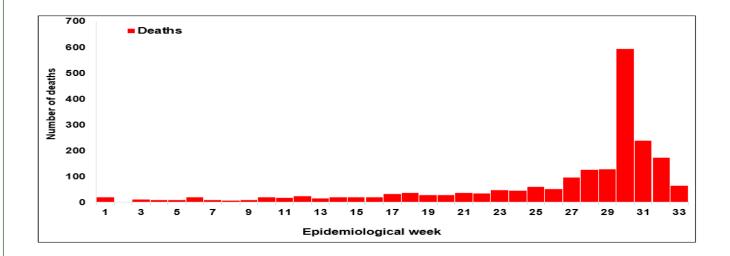


Figure 6: Trends in Deaths, week 1-33, 2021, Nigeria

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

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			Curren	t w eek: (	Week	33)			Cum ulativ	e (W eek 1	- 33 )
		State	С	ases	D	eaths	Tes	Tests			
	States	outbreak status*	Cases	% change	Deaths	% change	RDT (% Pos)	Culture (% pos)	Cases	Deaths	CFR
1	Bauchi	Active	1145	▼ 19%	16	▼ 36%			16,217	219	1.4%
2	Jigaw a	Active	187	▼ 85%	4	▼ 87%	1 (100%)		8,620	600	7.0%
3	Kano	Active	80	▼ 77%	1	▼ 95%			8,605	231	2.7%
4	Sokoto	Active	196	▼ 61%	4	▼ 78%			5,352	209	3.9%
5	Zam fara	Active	454	▼ 6%	6	▼ 40%	4 (100%)		4,234	65	1.5%
6	Katsina	Active	691	▼ 10%	19	▼ 21%	14 (0%)		4,102	144	3.5%
7	Kebbi	Active	3	▼ 99%		▼ 100%			1,965	136	6.9%
8	Niger	Active	79	▼ 53%	7	▼ 70%			1,724	109	6.3%
9	Kaduna	Active		▼ 100%					1,432	116	8.1%
10	Plateau	Active		▼ 100%					1,430	19	1.3%
11	FCT	Active	11	▲ 57%			1 (0%)	1 (0%)	1,218	-	0.0%
12	Yobe	Active	216	▼ 7%	1	▼ 75%	7 (100%)	6 (100%)	767	15	2.0%
13	N a saraw a	Active		▼ 100%		▼ 100%			607	35	5.8%
14	Delta								567	30	5.3%
15	Benue								539	5	0.9%
16	Gombe								265	1	0.4%
17	Bayelsa								256	15	5.9%
18	Borno	Active	30		4	▲ 33%	2 (100%)		195	20	10.3%
19	Kw ara								135	16	11.9%
20	Kogi	Active		▼ 100%					127	26	20.5%
21	Enugu								127	13	10.2%
	Adamawa	Active	6	▼ 89%	1		6 (100%)	6 (100%)		5	4.8%
23	Cross River								64	1	1.6%
24	Taraba								46	5	10.9%
	National	16	3,098	▼ 45%	63	▼ 64%	35 (57%)	13 (92%)	58,698	2,035	3.5%

<sup>\*</sup>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> <li>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 (FMEnvrt), and partners</li> <li>National Rapid Response Teams (RRTs) with response commodities deployed by NCDC to support the response in ten states - Benue, Kano, Kaduna, Zamfara, Bauchi, Plateau, Jigawa, Katsina, Niger and the FCT</li> </ul>	<ul> <li>The national multi-sectoral EOC activated at level 02 continues to coordinate the national response</li> <li>Planned zonal level training on cholera surveillance, case management and work-plan development</li> </ul>
Surveillance	Ongoing surveillance in all states through	<ul> <li>Data collation and</li> </ul>

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	<ul> <li>the routine Integrated Disease Surveillance and Response (IDSR) and Event Based Surveillance (EBS)</li> <li>Provide offsite/onsite support to states and follow up for daily reporting and progress with response activities</li> </ul>	harmonisation  • Evaluation of the cholera data collated from the recently concluded Integrated Supportive Supervision (ISS) in the 18 Northern States
Case Management & IPC	Provided technical support and response commodities to affected states	<ul> <li>Continue providing technical support on case management and IPC to states</li> <li>Planned training of Health Care Workers (HCW) on management of cholera</li> <li>Continuous follow up with the states for updates</li> </ul>
Laboratory	<ul> <li>Supported testing of samples received from Benue, Niger, Plateau, Bauchi, Jigawa, Kaduna, Kano, Kwara, Katsina, Enugu, Bayelsa, Adamawa, Nasarawa, Gombe, Yobe, Borno and FCT at NCDC National Reference Laboratory (NRL), Abuja</li> </ul>	Planned training of State     Laboratory Scientists on     sample collection and     analysis
WASH	<ul> <li>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</li> <li>National Youth Volunteer Programme on Clean Nigeria Campaign launched by the Federal Ministry of Water Resources (FMWR)</li> <li>Continuous construction of sanitation and hygiene facilities with boreholes in cholera hotspots</li> </ul>	Planned distribution of additional 100 hygiene kits to affected states
Logistics	Essential response commodities are being distributed to all cholera affected states	Continue supporting     affected states with     essential response     commodities
Vaccination	<ul> <li>Epidemiological trend is being monitored to guide ICG request for planned vaccination campaigns</li> <li>Reactive OCV campaigns were conducted in Agatu LGA, Benue State and Bauchi LGA, Bauchi State</li> </ul>	Continue monitoring epidemiological trend to guide ICG request for planned vaccination campaigns
Risk communication	<ul> <li>Cholera jingles are being aired in English and local languages</li> <li>Community social mobilisation, media interviews, distribution of</li> </ul>	<ul> <li>Continue airing of Cholera jingles and distribution of IEC materials</li> </ul>

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	Information, Education and Communication (IEC) materials and awareness campaigns ongoing in affected communities  • Conducted Ministerial press briefings	<ul> <li>Continue media         engagement meetings         and training of journalist,         other media         professionals</li> <li>Continued follow-up with         states for update on risk         communication</li> </ul>
State Response	Multi-sectoral State-level EOCs currently activated in Zamfara, Kaduna, Bauchi, Plateau, Kano, Enugu, Jigawa, Niger, Gombe, Sokoto, Katsina and the FCT	Continue supporting state response activities

## **Cholera Situation Report**

### 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)

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- Inadequate trained manpower for Cholera outbreak, detection, investigation and 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 states for data reporting and response support
- 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 27th AUGUST 2021