



SITUATION REPORT

Nigeria Centre For Disease Control (NCDC)

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aTITLE:	YELLOW FEVER OUTBREAK IN NIGERIA
SERIAL	030
NUMBER:	
EPI-WEEK:	35
DATE:	27 th August – 2 nd September, 2018

HIGHLIGHTS

- In this reporting 27th August 2nd September, 2018
- Fifty (50) suspected cases were added to the national line-list
- No new in-country presumptive positive in the reporting week
- Last presumptive positive case in the Nigerian lab was 2nd July, 2018 reported from the Maitama District Hospital Abuja: The case from Kabba/Bunu LGA of Kogi State
- o Last IP Dakar confirmed case from Nigeria was on 6th June, 2018 from River State
- A three year 2019-2021 YF Preventive Mass Vaccination Campaign proposal plan is being developed

SUMMARY OF OUTBREAK

- A yellow fever outbreak is currently active in Nigeria. Confirmed cases have been recorded in eleven States (Kwara, Kogi, Kano, Zamfara, Kebbi, Nasarawa, Niger, Katsina Edo, Ekiti and Rivers State): in 22 Local Government areas (LGAs) [Table 1]
- 126 samples (presumptive positive and inconclusive) in 58 LGAs sent to IP Dakar [Figure 1]
- All Nigerian states have reported suspected cases in 543 (70.2%) LGAs
- From the onset of this outbreak in September 12, 2017, a total of 2,837 suspected yellow fever cases have been line-listed as at week 35 [27th August 2nd September, 2018 (Table 1)].
- Of the 2,837 suspected cases, 2,650 (93.4%), had blood samples collected and sent to the Nigerian testing laboratories for confirmation
- Of the 2,650 samples collected, **110 (4.2%) tested positive for yellow fever (presumptive positive cases) and 16 (0.6%) inconclusive results in six Nigerian laboratories** (Table 1)
- As at Epi week 35 [27th August 2nd September, 2018], 47 (37.3%) samples out of the 126 (Presumptive positive and inconclusive) samples in Nigeria have been confirmed positive by IP, Dakar. 77 samples were negative, 2 sample are awaiting results from IP Dakar [Table 1].
- Predominant age groups affected among the suspected cases are 20 years and below (children and younger adults) accounting for 1788 (63.0%) [Male 1,092 (38.5%): Female 675 (24.5%)]
- Median age is 15 years (range 1 92 years)
- Male to female ratio is 1.4 to 1 [Male 1,613 (57.7%), Female 1,175 (42.3%)]
- Predominant age groups affected among the confirmed cases are 20 years and below (children and younger adult) accounting (57.4%)
- o Among the confirmed, male to female ratio is 1.8:1 (male 63.8%, female 36.2%)
- Median age is 18 years (range 2 63)
- Yellow fever vaccination campaigns have been successfully completed in six states

- Nasarawa, Cross River, Akwa Ibom; Kogi, Kwara and Zamfara and in fifty-eight political wards in 25 LGAs in Borno State
- 2018 phase 2b PMVC to be implemented from 22nd November 1st December, 2018 in Sokoto, Kebbi, Niger, FCT, Plateau and some LGAs in Borno States. Target population 9 months to 44 years.
- Implemented YF reactive vaccination campaign in the following states [Kebbi (8 LGAs), Niger (5 LGAs), Sokoto (1 LGA), Katsina (1)]
- Total number of deaths in all cases (suspected, probable and confirmed cases) is 51, while 10 deaths were recorded among confirmed cases only. Therefore, the case fatality ratio (CFR) for all cases (including suspected, probable and confirmed) is 1.8%, and 21.3% for confirmed cases.

EPI-SUMMARY

Table 1: Showing all affected states and cases with Yellow fever as at week 35 (27thAugust -2nd September), 2018

Attack Rate Per 100,000 population	September), 2018																																						
Attack Rate Per 100,000 population	Description	Abia	Borno	Kogi	Kwara	Plateau	Zamfara	Kebbi	Enugu	Oyo	Anambra	Edo	Lagos	Kano	Nasarawa	Katsina	Niger	Bayelsa	Cross River	Kaduna	Rivers	Sokoto	lmo	Delta	Jigawa	Akwa Ibom	Ebonyi	Ekiti	FCT	ungo	Ondo	Osun	Benue	Adamawa	Bauchi	Gombe	Taraba	Yobe	Total
Number of LGAs with suspected cases 17 21 18 12 17 12 22 14 18 17 18 9 27 14 26 9 7 7 7 12 16 15 21 21 8 20 12 13 4 12 13 18 19 13 11 9 12 9 54 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Total Number of cases in the linelist	100	212	97	116	66	147	455	120	37	166	115	46	112	104	184	24	20	15	24	38	43	65	49	9	57	46	34	18	32	40	31	95	22	29	12	28	29	2837
Number of LGAs with Presumptive //inondusive cases	Attack Rate Per 100,000 population	2.6	3.4	2.1	3.4	0.5	3.1	9.8	2.6	0.5	2.8	2.6	0.4	0.8	3.7	2.2	0.4	0.8	0.4	0.3	0.5	0.8	1.1	0.8	0.1	1	1.5	0.9	0.4	0.6	0.8	0.6	1.6	0.5	0.4	0.3	0.9	0.8	1.4
/inonclusive cases	Number of LGAs with suspected cases	17	21	18	12	17	12	22	14	18	17	18	9	27	14	26	9	7	7	12	16	15	21	21	8	20	12	13	4	12	13	18	19	13	11	9	12	9	543
Number of LGAs with confirmed cases from IP Dakar 0 0 0 4 2 0 4 5 0 0 0 1 0 1 1 1 1 1 1 0 0 0 1 0 0 0 0	Number of LGAs with Presumptive																																						
Cases from IP Dakar 0 0 0 4 2 0 4 5 0 0 0 1 0 1 1 1 1 1 0 0 0 1 0 0 0 0 0		1	3	7	2	1	1	. 6	2	1	3	4	2	1	1	2	1	0	0	0) 3	0	3	4	1	1	1	3	1	1	2	0	0	0	0	0	0	0	58
Number suspected cases with Blood sample collected in Nigeria 99 210 90 77 64 61 451 120 37 166 115 46 111 64 182 24 20 15 24 38 43 65 49 9 57 46 31 18 32 40 31 95 22 29 12 28 29 265 Number of Presumptive Positives in Nigeria 1 5 19 12 5 24 17 1 1 3 3 1 1 1 3 2 0 0 0 2 0 1 2 1 0 0 3 1 1 1 0 0 0 0 0 0 0 0 0 1 1 0 1 1 1 1																																							
collected in Nigeria 99 210 90 77 64 61 451 120 37 166 115 46 111 64 182 24 20 15 24 38 43 65 49 9 57 46 31 18 32 40 31 95 22 29 12 28 29 265 Number of Presumptive Positives in Nigeria 1 5 19 12 5 24 17 1 1 1 3 3 1 1 1 1 3 2 0 0 0 0 2 0 1 1 2 1 0 0 0 3 1 1 1 0 0 0 0 0 0 0 0 0 0 1 1 1 1	***************************************	0	0	4	2	. 0	4	- 5	0	0	0	1	0	1	1	1	1	0	0	0) 1	. 0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	22
Number of Presumptive Positives in Nigeria 1 5 19 12 5 24 17 1 1 1 3 3 1 1 1 1 3 2 0 0 0 2 0 1 2 1 0 0 0 3 1 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 1																																					i l		
Number with inconclusive results in Nigeria 0 1 0 1 0 1 0 0 0 0 1 2 1 0 0 0 0 0 1 2 1 0 0 0 0	collected in Nigeria	99	210	90	77	64	61	451	120	37	166	115	46	111	64	182	24	20	15	24	38	43	65	49	9	57	46	31	18	32	40	31	95	22	29	12	28	29	2650
Total number of samples sent to Dakar 1 6 19 13 5 24 17 1 1 1 4 5 2 1 1 1 3 2 0 0 0 0 3 0 3 5 1 1 1 1 3 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Number of Presumptive Positives in Nigeria	1	5	19	12	5	24	17	1	1	3	3	1	1	1	3	2	0	0	0) 2	0	1	2	1	0	0	3	1	1	0	0	0	0	0	0	0	0	110
Number positive cases from IP Dakar 0 0 10 7 0 18 5 0 0 0 1 0 1 1 1 1 1 0 0 0 1 0 0 0 0 0	Number with inconclusive results in Nigeria	0	1	0	1	. 0	0	0	0	0	1	2	1	0	0	0	0	0	0	0) 1	. 0	2	3	0	1	1	0	0	0	2	0	0	0	0	0	0	0	16
Total number negative in Dakar 1 6 7 6 5 6 12 1 1 1 4 4 2 0 0 0 2 1 0 0 0 2 0 3 5 1 1 1 2 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0	Total number of samples sent to Dakar	1	6	19	13	5	24	17	1	1	4	5	2	1	1	3	2	0	0	0) 3	0	3	5	1	1	1	3	1	1	2	0	0	0	0	0	0	0	126
Number of deaths from IP Dakar confirmed 0 0 3 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Number positive cases from IP Dakar	0	0	10	7	0	18	5	0	0	0	1	0	1	1	1	1	0	0	0	1	. 0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	47
Number of deaths from IP Dakar confirmed 0 0 3 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total number negative in Dakar	1	6	7	6	5	6	12	1	1	4	4	2	0	0	2	1	0	0	0) 2	0	3	5	1	1	1	2	1	1	2	0	0	0	0	0	0	0	77
Number of deaths among presumptive positives 0 0 4 1 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Number awaiting result from Dakar	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Number of deaths from IP Dakar confirmed 0 0 3 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Number of deaths from all cases	0	1	4	16	2	26	0	0	0	0	0	0	0	0	0	0	0	0	0) (0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	51
States with presumptive/inconclusive cases	Number of deaths among presumptive positives	0	0	4	1	. 0	9	0	0	0	0	0	0	0	0	0	0	0	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
	Number of deaths from IP Dakar confirmed	0	0	3	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	_																																						
Control of the Contro																											States with presumptive/inconclusive cases												
States with confirmed cases																											States with confirmed cases												
States with only suspected cases																											State	s with	only	susp	ected	cases							

CFR for all cases = 1.7%, among the Presumptive/inconclusive cases 11.1% and among IP Dakar confirmed cases 21.3%

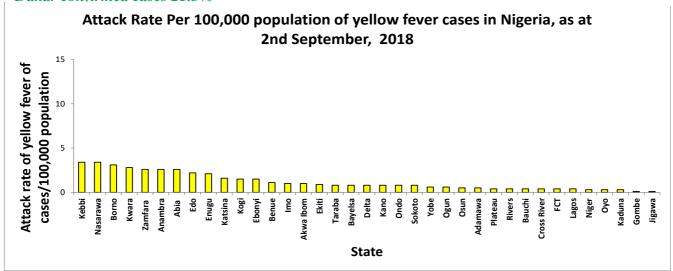


Figure 1: Attack rate of YF in Nigeria by State as at week 35 (27th August -2nd September), 2018

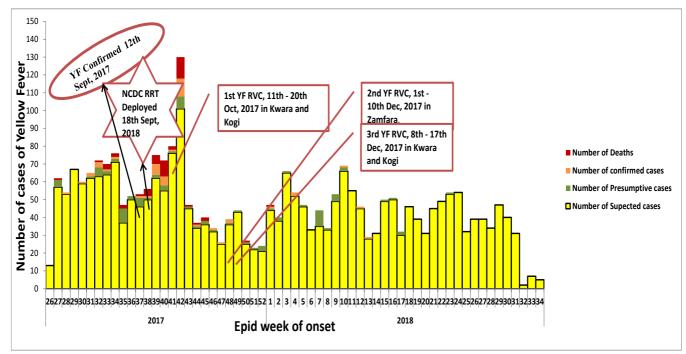


Figure 2: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at week 35 $(27^{th}August-2^{nd}September)$, 2018

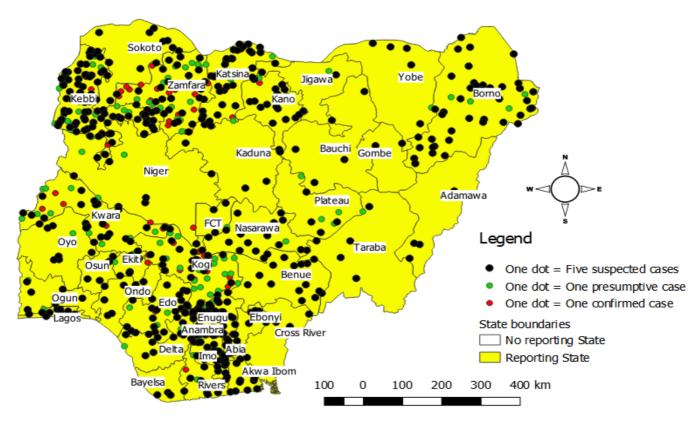


Figure 3: Map of Nigeria showing states with suspected/presumptive/confirmed as at week 35 (27thAugust -2nd September), 2018