



SITUATION REPORT

Nigeria Centre For Disease Control (NCDC)

www.ncdc.gov.ng

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B TITLE:	YELLOW FEVER OUTBREAK IN NIGERIA
SERIAL	034
NUMBER:	
EPI-WEEK:	40
DATE:	1 st October – 7 th October, 2018

HIGHLIGHTS

In this reporting week 1st October - 7th October, 2018:

- There were 43 suspected cases reported
- Six presumptive positive cases and two inconclusive cases were reported from three of the diagnostic laboratories as outlined below:
 - The NCDC Central Public Health Laboratory (CPHL) reported one presumptive from [Edo −1 (Uhunmwonde LGA); two inconclusive cases from [Anambra, -1 (Dukunofia LGA), Imo -1 (Mbatoli LGA)]
 - Maitama District Hospital (MDH) laboratory reported two presumptive positive cases from Kogi (Kogi LGA).
 - Kaduna Yusuf Dansoho Memorial Hospital (YDMH) reported three presumptive positive cases; from [Kebbi -2 (Bagudo and Gwandu LGAs) and Katsina – 1 Mani LGA)].
- The last Institut Pasteur Dakar (IP Dakar) confirmed case from Nigeria was on 6th June, 2018 from Rivers State
- o A three year (2019-2021) Yellow fever (YF) Preventive Mass Vaccination Campaign (PMVC) proposal plan 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 States): in 22 Local Government areas (LGAs) [Table 1]
- Since the beginning of the outbreak, 145 samples (presumptive positive -125 and inconclusive -20) in 73 LGAs have been sent to IP Dakar for re-confirmation [Figure 1]
- Since the beginning of the outbreak, all Nigerian states have reported suspected cases in 564 (72.9%) LGAs
- From the onset of this outbreak in September 12, 2017, a total of 3,162 suspected yellow fever cases have been reported as at week 40 [1st October 7th October, 2018 (Table 1)].
- Of the 3,162 suspected cases, 2,907 (91.9%), had blood samples collected and sent to the Nigerian testing laboratories for confirmation
- Of the 2,864 samples collected, 125 (4.3%) tested positive for yellow fever (presumptive positive cases) and 20 (0.6%) inconclusive results in six Nigerian laboratories (Table 1)

- Of the 145 (presumptive positive and inconclusive) samples in Nigeria, 47 (32.4%) samples have been confirmed positive by IP, Dakar. 77 samples were negative. Awaiting results of 21 samples from IP Dakar [Table 1].
- Of all suspected, probable and confirmed cases, 54 deaths have been recorded while 11 deaths have been recorded among confirmed cases only. The case fatality ratio (CFR) for all cases (suspected, probable and confirmed) is 1.7%, and 23.4% for confirmed cases.
- Predominant age groups affected among the suspected cases is 20 years and below (children and younger adults) accounting for 1968 (62.2%) [Male 1,199 (37.9.0%): Female 769 (24.3%)], However, age groups 1 -5 years have the highest peak
- Median age is 15 years (range 1 92 years)
- o Male to female ratio is 1.4 to 1 [Male 1,825 (57.7%), Female 1,337 (42.3%)]
- o Among the confirmed cases, male to female ratio is 1.8:1 (male 63.8%, female 36.2%)
- 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 November 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, (85% of the total population).

EPI- SUMMARY

Table 1: Showing all affected states and cases with Yellow fever as at week 40 (1st October – 7th October), 2018

October), 2016	_																																					
Description	Abia	Borno	Kogi	Kwara	Plateau	Zamfara	Kebbi	Enugu	Oyo	Anambra	Edo	Lagos	Kano	Nasarawa	Katsina	Niger	Bayelsa	Cross River	Kaduna	Rivers	Sokoto	Imo	Delta	Jigawa	Akwa Ibom	Ebonyi	Ekiti	FCT	Ogun	Ondo	Osun	Benue	Adamawa	Bauchi	Gombe	Taraba	Yobe	Total
Total Number of cases in the linelist	114	212	102	116	69	153	526	141	40	203	131	46	117	109	221	27	25	17	30	42	47	78	52	13	58	51	37	22	36	43	38	112	25	30	14	30	35	3162
Attack Rate Per 100,000 population	2.9	3.4	2.1	3.4	1.6	3.2	11	3	0.5	3.5	3	0.3	0.8	4.1	2.7	0.5	1	0.4	0.3	0.5	0.9	1.4	0.9	0.2	1	1.7	1.1	0.5	0.6	0.9	0.8	1.9	0.5	0.4	0.4	0.9	1	1.5
Number of LGAs with suspected cases	18	21	20	12	17	13	22	15	18	18	18	9	28	14	27	9	8	7	12	18	15	23	21	10	20	13	14	4	12	14	19	20	13	11	9	12	10	564
Number of LGAs with Presumptive																																'						
/inonclusive cases	1	3	8	2	1	1	7	2	1	6	6	2	1	1	3	1	0	0	0	3	0	4	6	1	1	1	3	3	1	2	1	0	1	0	0	0	0	73
Number of LGAs with confirmed																																						
cases from IP Dakar	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 suspected cases with Blood sample																																						
collected in Nigeria	113	210	94	77	67	63	488	141	40	203	131	46	112	69	196	27	25	17	29	42	47	78	52	12	58	51	34	22	36	43	38	112	25	30	14	30	35	2907
Number of Presumptive Positives in Nigeria	1	5	21	12	6	25	19	1	1	5	4	1	1	1	4	2	0	0	0	2	0	1	2	1	0	0	3	4	1	0	1	1	0	0	0	0	0	125
Number with inconclusive results in Nigeria	0	1	0	1	0	0	0	0	0	3	2	1	0	0	0	0	0	0	0	1	0	3	4	0	1	1	0	0	0	2	0	0	0	0	0	0	0	20
Total number of samples sent to Dakar	1	6	21	13	6	25	19	1	1	8	6	2	1	1	4	2	0	0	0	3	0	4	6	1	1	1	3	4	1	2	1	1	0	0	0	0	0	145
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
Total number negative in Dakar	1	6	7	6	6	6	12	1	1	4	4	2	0	0	3	1	0	0	0	2	0	3	5	1	1	1	2	1	1	2	0	0	0	0	0	0	0	79
Number awaiting result from Dakar	0	0	4	0	0	1	2	0	0	4	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	3	0	0	1	1	0	0	0	0	0	19
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	1	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	54
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	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	17
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
																								States with presumptive/inconclusive cases														
																								States with confirmed cases														
																								States with only suspected cases														

CFR for all cases = 1.7%, among the Presumptive/inconclusive cases 11.7% and among IP Dakar confirmed cases 23.4%

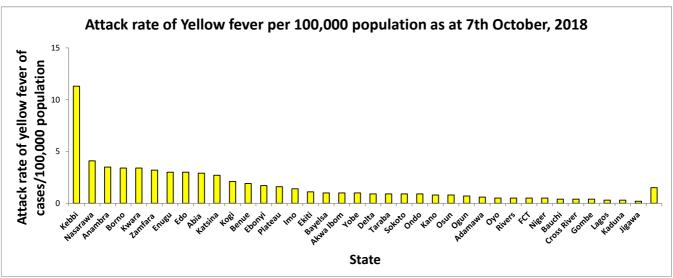


Figure 1: Attack rate of YF in Nigeria by State as at week 40 (1st October -7th October), 2018

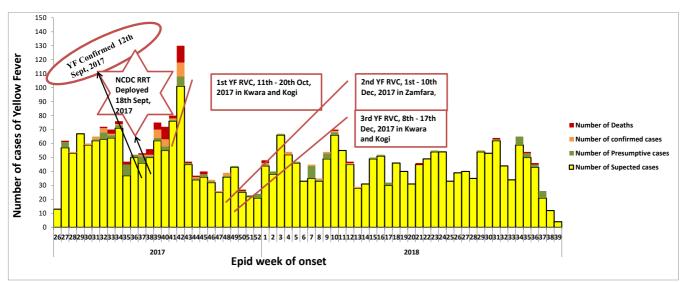


Figure 2: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at week 40 (1st October –7th October), 2018

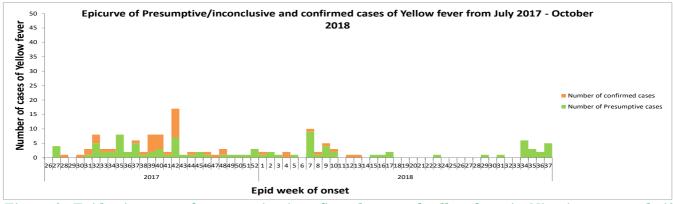


Figure 3: Epidemic curve of presumptive / confirmed cases of yellow fever in Nigeria as at week 40 (1st October -7th October), 2018

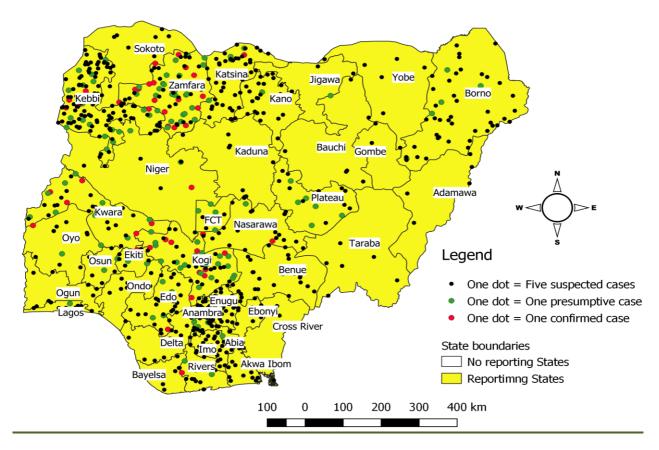


Figure 5: Map of Nigeria showing states with suspected/presumptive/confirmed as at week 40 (1st October -7^{th} October), 2018