



SITUATION REPORT

**Nigeria Centre For Disease Control (NCDC)** 

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<b>B TITLE:</b>	YELLOW FEVER OUTBREAK IN NIGERIA
SERIAL	035
NUMBER:	
<b>EPI-WEEK:</b>	41
DATE:	8 <sup>th</sup> October – 14 <sup>th</sup> October, 2018

## **HIGHLIGHTS**

In this reporting week 8th October – 14th October, 2018:

- There were 78 suspected cases reported
- Seven presumptive positive cases and two inconclusive cases were reported from two of the diagnostic laboratories as outlined below:
  - The NCDC Central Public Health Laboratory (CPHL) reported two inconclusive cases from [-1 Abia (Umuahia South, LGA), Imo -1 (Ezinihitte LGA)]
  - Kaduna Yusuf Dansoho Memorial Hospital (YDMH) reported seven presumptive positive cases; from [Jigawa -1 Guri LGA, Kebbi -5 (Ngaski LGA -4 and Shanga LGA -1) and Sokoto 1 Gada LGA)].
- The last Institut Pasteur Dakar (IP Dakar) confirmed case from Nigeria was on 6<sup>th</sup> June, 2018 from Rivers State
- 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, 155 samples (presumptive positive -133 and inconclusive -22) in 77 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 566 (73.1%) LGAs
- From the onset of this outbreak in September 12, 2017, a total of 3,240 suspected yellow fever cases have been reported as at week 41 [8<sup>th</sup> October 14<sup>th</sup> October, 2018 (Table 1)].
- Of the 3,240 suspected cases, 2,985 (92.1%), had blood samples collected and sent to the Nigerian testing laboratories for confirmation
- Of the 2,985 samples collected, **133 (4.5%) tested positive for yellow fever (presumptive positive cases) and 22 (0.7%) inconclusive results in six Nigerian laboratories** (Table 1)







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- Of the 155 (presumptive positive and inconclusive) samples in Nigeria, 47 (30.3%) samples have been confirmed positive by IP, Dakar. 77 samples were negative. Awaiting results of 31 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 2026 (62.5%) [Male 1,236 (38.1%): Female 790 (24.4%)], 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 1,874 (57.8%), Female 1,366 (42.2%)]
- Among the confirmed cases, male to female ratio is 1.8:1 (male 63.8%, female 36.2%)
- Yellow fever preventive mass vaccination campaigns (PMVC) 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 22<sup>nd</sup> November 1<sup>st</sup> December, 2018 in Sokoto, Kebbi, Niger, FCT, Plateau and Borno [3 LGAs (Askira/Uba, Chibok, Konduga)] 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  $41(8^{th} \text{ October} - 14^{th} \text{ October})$ , 2018

Description	Abia	Borno	Kogi	Kwara	Plateau	Zamfara	Kebbi	Enugu	Ογο	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	116	212	102	116	69	153	557	141	43	203	131	46	122	109	229	27	25	17	30	45	50	79	52	21	58	53	37	22	36	43	38	112	28	32	15	34	37	3240
Attack Rate Per 100,000 population	3	3.4	2.2	3.4	1.6	3.2	12	3	0.5	3.5	3	0.3	0.9	4.1	2.8	0.5	1	0.4	0.3	0.6	0.9	1.4	0.9	0.3	1	1.8	1.1	0.5	0.7	0.9	0.8	1.9	0.6	0.5	0.4	1.1	1.1	1.6
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	16	23	21	10	20	13	14	4	12	14	19	20	13	11	9	13	10	566
Number of LGAs with Presumptive																																						
/inonclusive cases	2	3	9	2	2	4	7	1	1	6	5	2	1	1	3	1	0	0	0	3	1	4	5	1	1	1	3	3	1	2	1	1	0	0	0	0	0	77
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	115	210	95	77	67	63	518	141	43	203	131	46	117	69	204	27	25	17	29	45	50	79	52	20	58	53	34	22	36	43	38	112	28	32	15	34	37	2985
Number of Presumptive Positives in Nigeria	1	5	21	12	6	25	25	1	1	5	4	1	1	. 1	4	2	0	0	0	2	1	1	2	2	0	0	3	4	1	0	1	1	0	0	0	0	0	133
Number with inconclusive results in Nigeria	1	1	0	1	0	0	0	0	0	3	2	1	0	0	0	0	0	0	0	1	0	4	4	0	1	1	0	0	0	2	0	0	0	0	0	0	0	22
Total number of samples sent to Dakar	2	6	21	13	6	25	25	1	1	8	6	2	1	1	4	2	0	0	0	3	1	5	6	2	1	1	3	4	1	2	1	1	0	0	0	0	0	155
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	1	0	4	0	0	1	8	0	0	4	1	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	3	0	0	1	1	0	0	0	0	0	29
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 11.0% and among IP Dakar confirmed cases 23.4%

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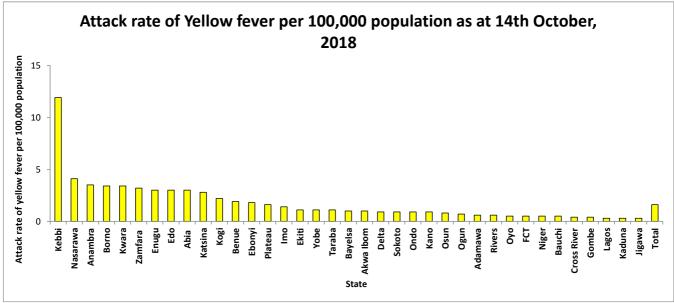


Figure 1: Attack rate of YF in Nigeria by State as at week 41(8<sup>th</sup> October – 14<sup>th</sup> October), 2018

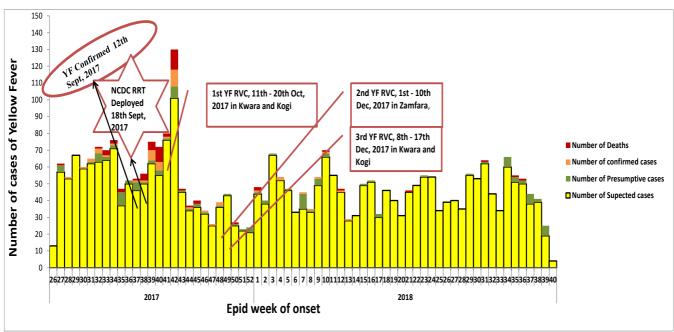


Figure 2: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at week  $41(8^{th} October - 14^{th} October)$ , 2018

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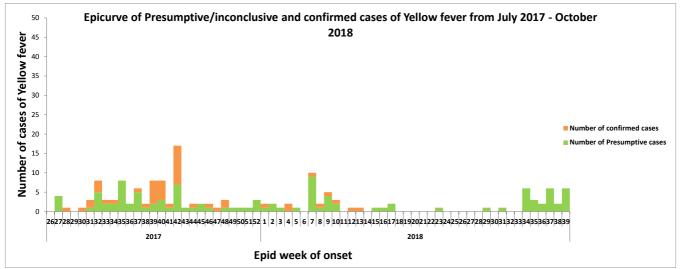


Figure 3: Epidemic curve of presumptive / confirmed cases of yellow fever in Nigeria as at week 41(8<sup>th</sup> October – 14<sup>th</sup> October), 2018

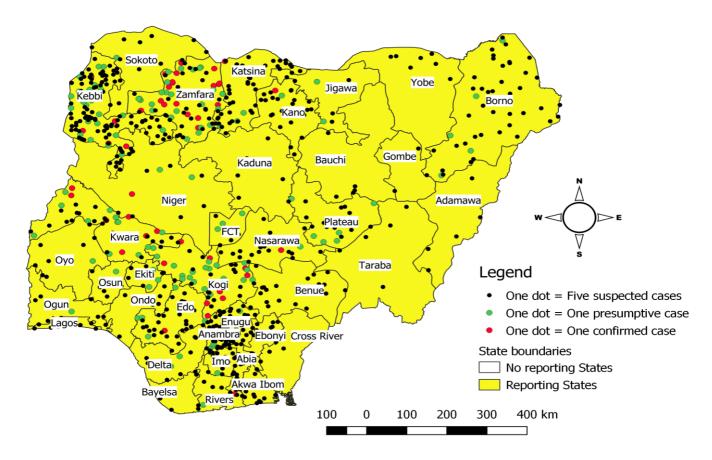


Figure 5: Map of Nigeria showing states with suspected/presumptive/confirmed as at week 41(8<sup>th</sup> October – 14<sup>th</sup> October), 2018

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