

SITUATION REPORT

Nigeria Centre For Disease Control (NCDC)

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TITLE:	YELLOW FEVER OUTBREAK IN NIGERIA
SERIAL NUMBER:	016
EPI-WEEK:	15
DATE:	9th – 15th April, 2018

HIGHLIGHTS

- In this reporting week **9th – 15th April, 2018**
 - Two new presumptive positive samples were recorded from the Central Public Health Laboratory [(Ikwere LGA in River State 1), (Irepodun/Ifelodun LGA in Ekiti State 1)] Sample awaiting shipment to Institut Pasteur (IP) Dakar
 - All the states in the country have reported at least one suspected cases
 - Last confirmed case in Nigeria was reported on 8th March, 2018**
 - No new IP Dakar confirmed case of yellow fever in the reporting week
 - Elimination of Yellow fever Epidemic (EYE) Strategy was launched in Nigeria this week

SUMMARY OF OUTBREAK

- A yellow fever outbreak is currently active in Nigeria. Confirmed cases have been recorded in seven States (Kwara, Kogi, Kano, Zamfara, Kebbi, Nasarawa and Niger): in 16 Local Government areas (LGAs)
- All Nigerian states have reported suspected cases (Abia, Borno, Kogi, Kwara, Kebbi, Plateau, Zamfara, Enugu, Oyo, Anambra, Edo, Lagos, Kano, Nasarawa, Katsina, Niger, Bayelsa, Rivers, Cross Rivers, Kaduna, Sokoto, Jigawa, Imo, Delta, Akwa Ibom, Ebonyi, Ekiti, FCT Abuja, Ogun, Ondo, Osun, Benue, Adamawa, Bauchi, Gombe, Taraba and Yobe states) in 396 LGAs
- From the onset of this outbreak on September 12, 2017, a total of 1,711 suspected yellow fever cases have been line-listed as at week 15 [9th – 15th April, 2018 (Table 1)].
- Of the 1,711 suspected cases, 1,539 (89.9%), had blood samples collected and sent to the Nigeria laboratories for confirmation (Table 3)
- Of the 1,539 samples collected, **102 (6.6%) tested positive for yellow fever (presumptive positives) and 16 (1.03%) inconclusive results in six Nigerian laboratories.** (Table 2)
- As at Epid week 15 [9th – 15th April, 2018, **41 samples (34.7%) samples out of the 118 (positive and inconclusive) samples in Nigeria were confirmed positive by IP, Dakar. 71 samples were negative, 2 samples are awaiting shipment while 4 samples are awaiting results from IP Dakar** [Table 1].
- Predominant age groups affected are 20 years and below accounting for 63.1% (See fig 3).
 - Median age is 14 years (range 1 – 92 years)
 - Male to female ratio is 1.4 to 1 (male 58.2%, female 41.8%):
 - Among the confirmed, male to female ratio is 3:2 (male 61.0%, female 39.0%)
- Yellow fever vaccination campaigns have been successfully completed in six states
 - 2013 Preventive mass vaccination campaign (PMVC) 2013 in Nasarawa, Cross River, Akwa Ibom;

- Preventive mass vaccination campaign in 2018 in Kogi, Kwara and Zamfara and in fifty-eight political wards in 25 LGAs in Borno State
 - Yellow fever reactive vaccination campaign completed in the affected LGAs in Kebbi and Niger states and their contiguous LGAs including one LGA in Sokoto state.
- Total number of deaths in all cases (suspected, probable and confirmed cases) is 47, while 10 deaths were recorded among confirmed cases only. Therefore, the case fatality ratio (CFR) for all cases (including suspected, probable and confirmed) is 2.7%, and 24.4% for confirmed cases.

EPI- SUMMARY

Table 1: Showing all affected states and cases with Yellow fever as at week 15 (9th - 15th) April, 2018

State	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	82	217	70	116	12	136	253	74	14	85	80	38	76	53	64	19	5	11	9	18	33	39	34	6	22	24	11	14	13	19	17	33	4	3	3	2	2	1711	
Number of LGAs with suspected cases	14	21	19	12	7	10	19	14	11	14	18	9	24	13	14	8	4	6	5	15	11	18	17	6	10	9	9	5	7	9	13	15	4	2	1	2	1	396	
Number of LGAs with Presumptive /inconclusive cases	1	3	6	2	1	4	6	2	1	2	4	2	1	1	2	1	0	0	0	3	0	2	4	1	1	1	1	0	2	0	0	0	0	0	0	0	0	55	
Number of LGAs with confirmed cases from IP Dakar	0	0	4	2	0	4	3	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Number suspected cases with Blood sample collected in Nigeria	81	215	70	77	12	49	253	74	14	85	80	38	75	13	63	19	5	11	9	18	33	39	34	6	23	22	11	14	13	19	17	33	4	3	3	2	2	1539	
Number of Presumptive Positives in Nigeria	1	5	18	12	5	24	17	1	1	2	2	1	1	1	3	2	0	0	0	2	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	102	
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	2	0	0	0	0	0	0	0	0	0	16
Total number of samples sent to Dakar	1	6	18	13	5	24	17	1	1	3	4	2	1	1	3	2	0	0	0	3	0	2	4	1	1	1	1	1	0	2	0	0	0	0	0	0	0	0	118
Number positive cases from IP Dakar	0	0	10	7	0	18	3	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Total number negative in Dakar	1	6	7	6	5	6	12	1	1	3	4	2	0	0	2	1	0	0	0	2	0	2	4	1	1	1	0	1	0	2	0	0	0	0	0	0	0	0	71
Number awaiting result from Dakar	0	0	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6
Number of deaths from all cases	0	1	4	16	0	26	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	47
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	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	0	10	

CFR for all cases = 2.7%, among the Presumptive/inconclusive cases 11.9% and among IP Dakar confirmed cases 24.4%

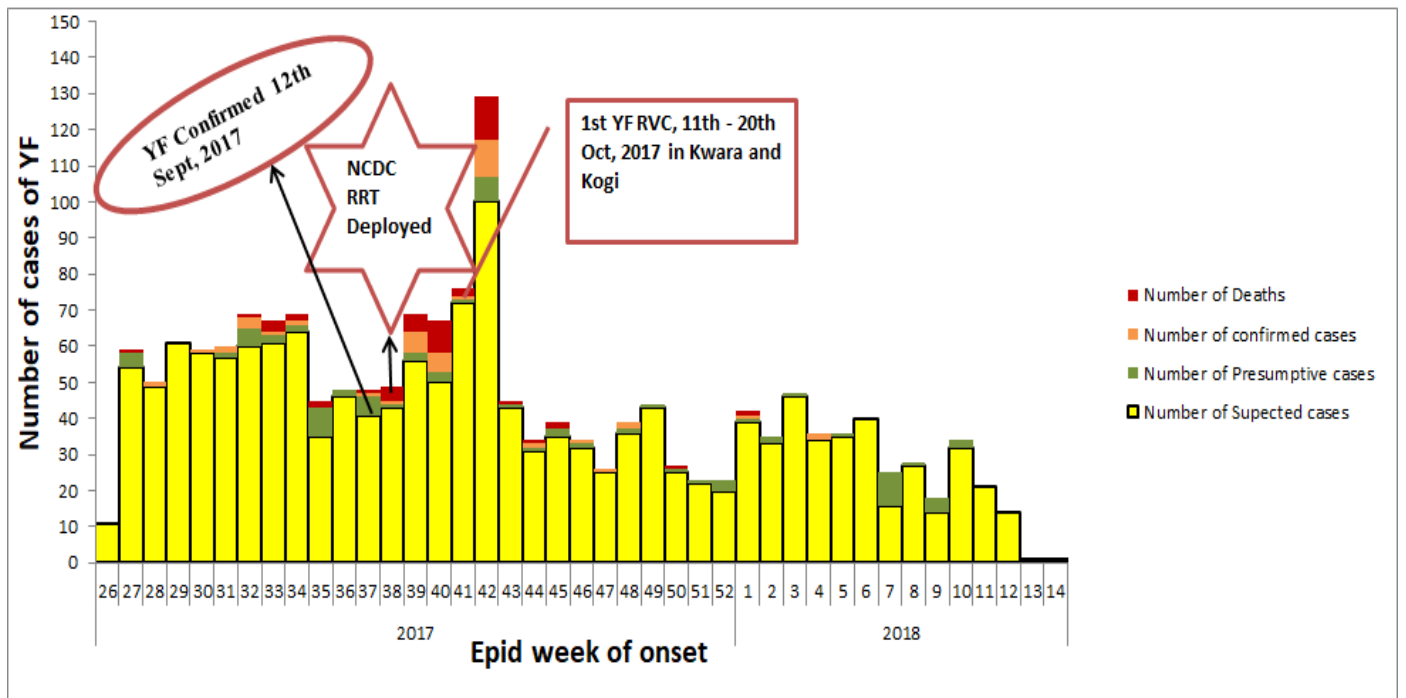


Figure 1: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at week 15 (9th - 15th) April, 2018

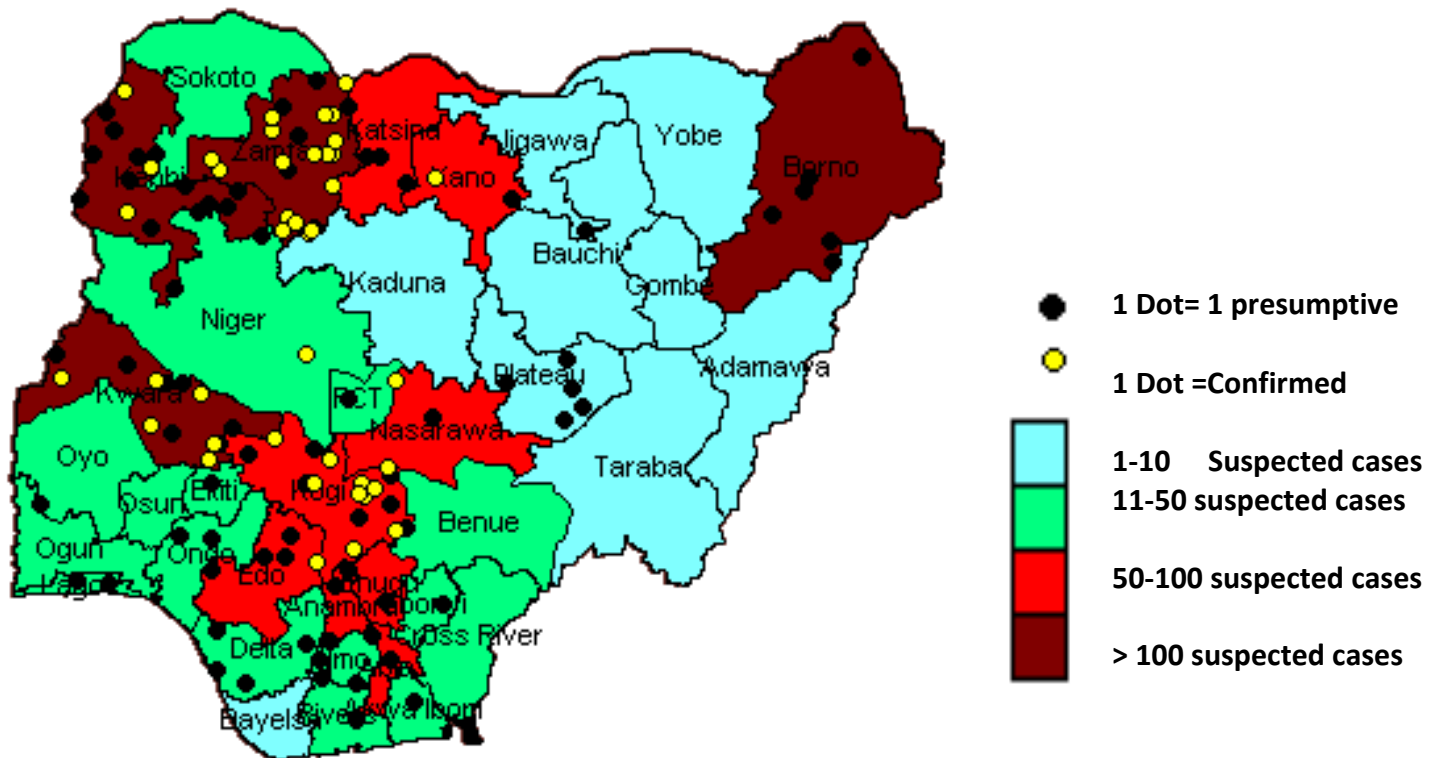


Figure 3: Map of Nigeria showing states with suspected/presumptive positive and confirmed cases of Yellow fever, as at week 15 (9th - 15th) April, 2018

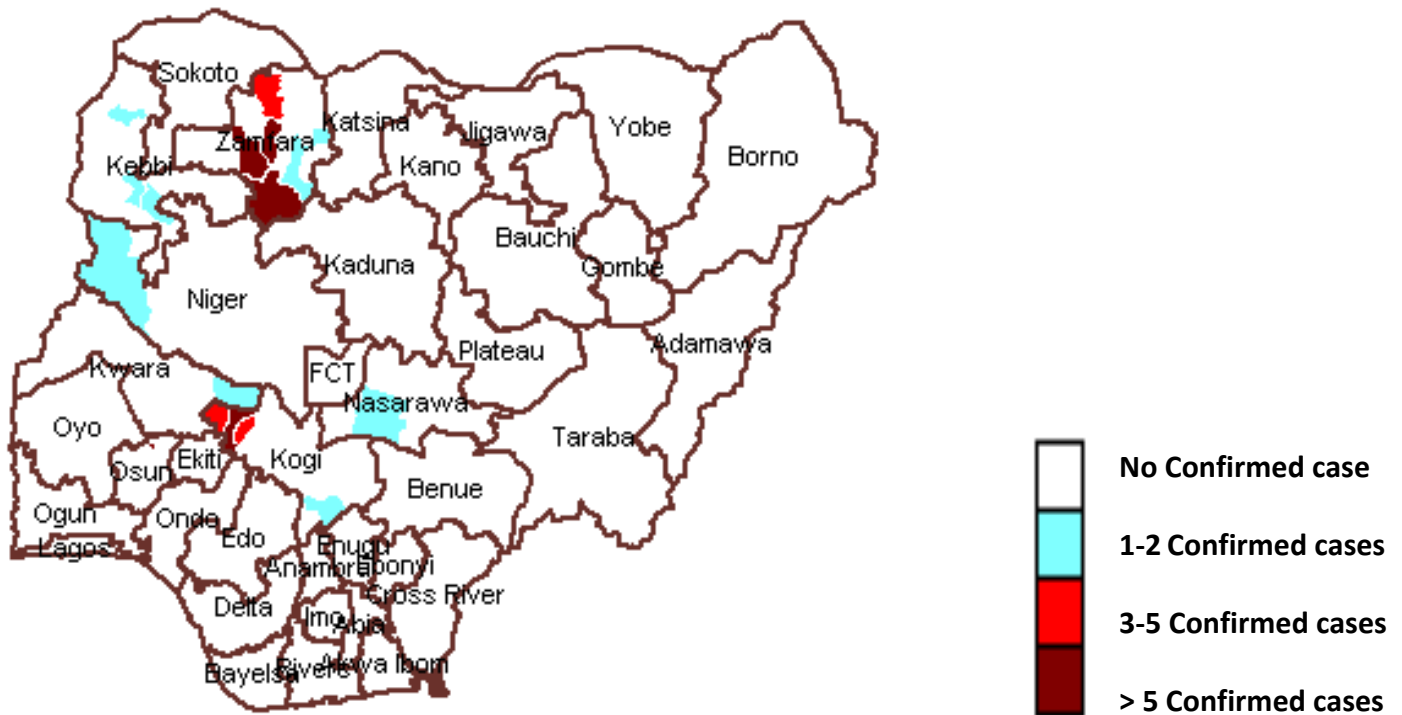


Figure 4: Map of Nigeria showing LGAs with confirmed cases of Yellow fever, as at week 15 (9th - 15th) April. 2018

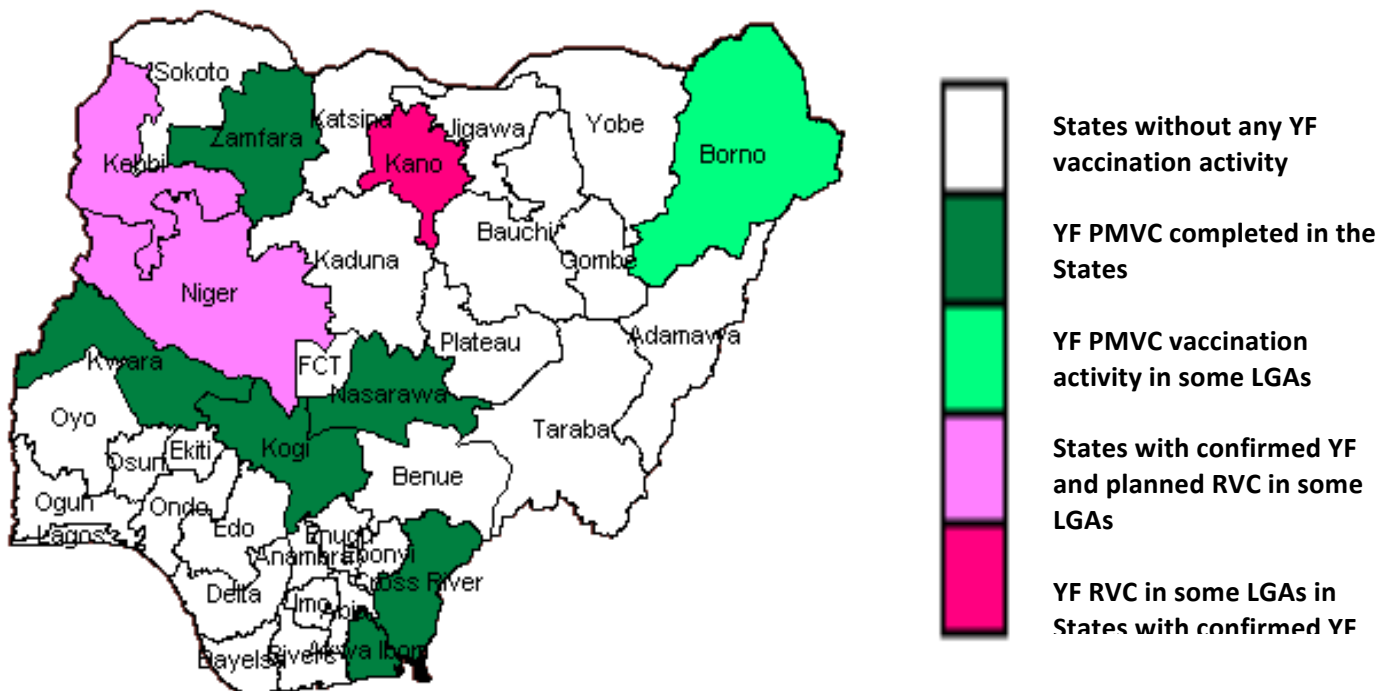


Figure 5: Map of Nigeria showing states that have received YF vaccination campaign as at week 15 (9th - 15th) April. 2018