

# SITUATION REPORT

Nigeria Centre For Disease Control (NCDC)

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<b>TITLE:</b>	<b>YELLOW FEVER OUTBREAK IN NIGERIA</b>
<b>SERIAL NUMBER:</b>	<b>019</b>
<b>EPI-WEEK:</b>	<b>20</b>
<b>DATE:</b>	<b>14<sup>th</sup> – 20<sup>th</sup> May, 2018</b>

## HIGHLIGHTS

- In this reporting week 14th – 20th May, 2018
  - **Two** new samples were re-confirmed by Institut Pasteur (IP) Dakar in the reporting week: [(1 in Edo in Esako East LGA) and (1 in Ekiti in Irepodun/ Ifelodun LGA)]
  - **Four** presumptive positives were recorded in the Central Public Health Laboratory, Lagos from four states [Anambra 1, Ekiti 1, Delta 1 and Ogun]. Samples have been shipped to IP Dakar for re-confirmation
  - **Ten States** in Nigeria have cases re-confirmed by IP Dakar for yellow fever
  - All the states in the country have reported at least one suspected case
  - **Last presumptive positive case in the Nigerian lab was 10-May-18**
  - **Last IP Dakar confirmed case from Nigeria was on 15-May-2018**
  - Rapid response team conducted Yellow fever outbreak investigation in Katsina State

## SUMMARY OF OUTBREAK

- A yellow fever outbreak is currently active in Nigeria. Confirmed cases have been recorded in ten States (Kwara, Kogi, Kano, Zamfara, Kebbi, Nasarawa, Niger, Katsina Edo and Ekiti): in 21 Local Government areas (LGAs)
- 126 samples (presumptive positive and inconclusive) in 57 LGAs sent to IP Dakar (Table 2)
- All Nigerian states have reported suspected cases in 407 LGAs
- From the onset of this outbreak on September 12, 2017, a total of 1,835 suspected yellow fever cases have been line-listed as at week 20 [14th – 20th May, 2018 (Table 1)].
- Of the 1,835 suspected cases, 1,658 (90.4%), had blood samples collected and sent to the Nigeria laboratories for confirmation (Table 3)
- Of the 1,658 samples collected, **108 (6.5%) tested positive for yellow fever (presumptive positives) and 16 (1.0%) inconclusive results in six Nigerian laboratories.** (Table 2)
- **As at Epi week 20 [14th – 20th May, 2018] 46 (36.5%) samples out of the 126 (positive and inconclusive) samples in Nigeria have been confirmed positive by IP, Dakar. 73 samples were negative, 7 samples are awaiting results from IP Dakar [Table 1].**

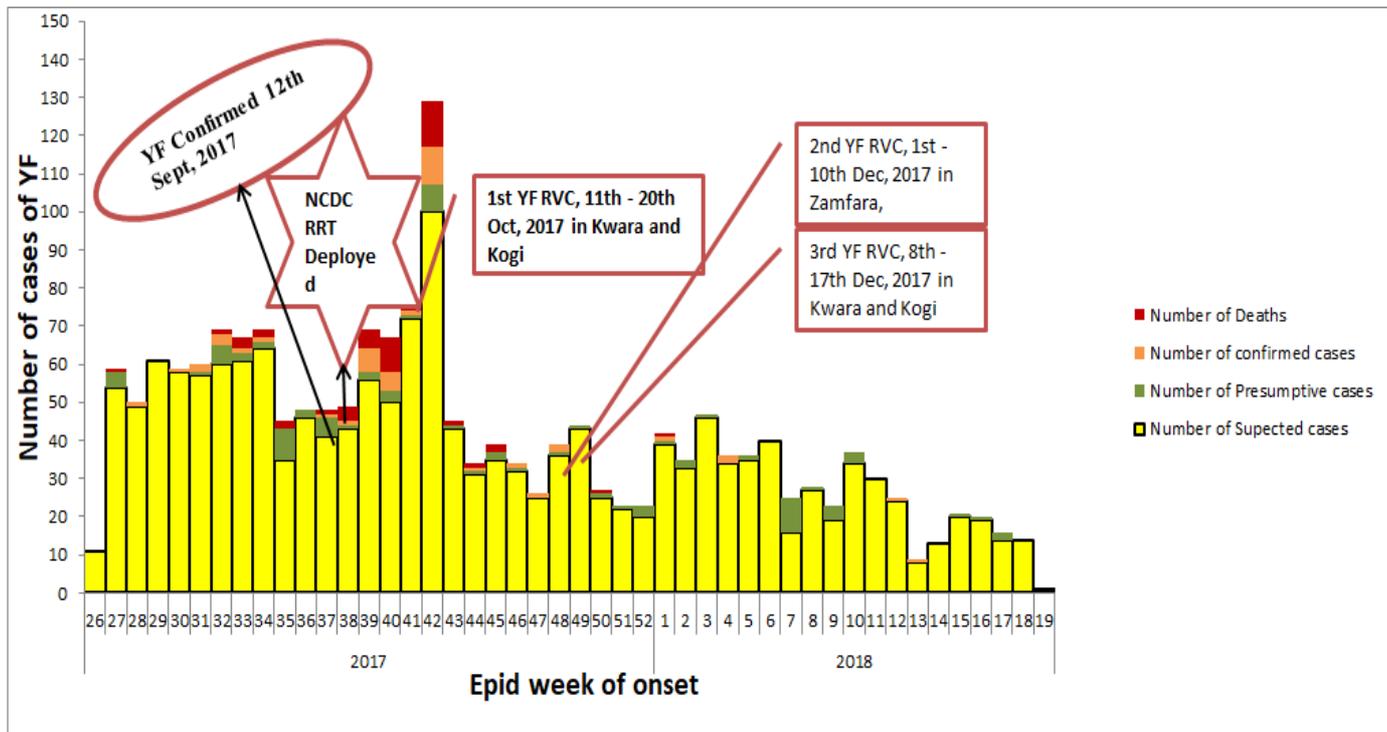
- Predominant age groups affected are 20 years and below accounting for 62.7% (See fig 3).
  - Median age is 14 years (range 1 – 92 years)
  - Male to female ratio is 1.4 to 1 (male 57.5%, female 42.5%):
  - Among the confirmed, male to female ratio is 1.7:1 (male 63.0%, female 37.0%)
- Yellow fever vaccination campaigns have been successfully completed in six states
  - 2013 Preventive mass vaccination campaign (PMVC) 2013 in Nasarawa, Cross River, Akwa Ibom;
  - 2018 phase 1 PMVC in Kogi, Kwara and Zamfara and in fifty-eight political wards in 25 LGAs in Borno State
  - Reactive vaccination campaign conducted affected and contiguous LGAs in Kebbi (8 LGAs), Niger (5 LGAs) and Sokoto (1 LGA)
- 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 2.6%, and 21.7% for confirmed cases.

## **EPI- SUMMARY**

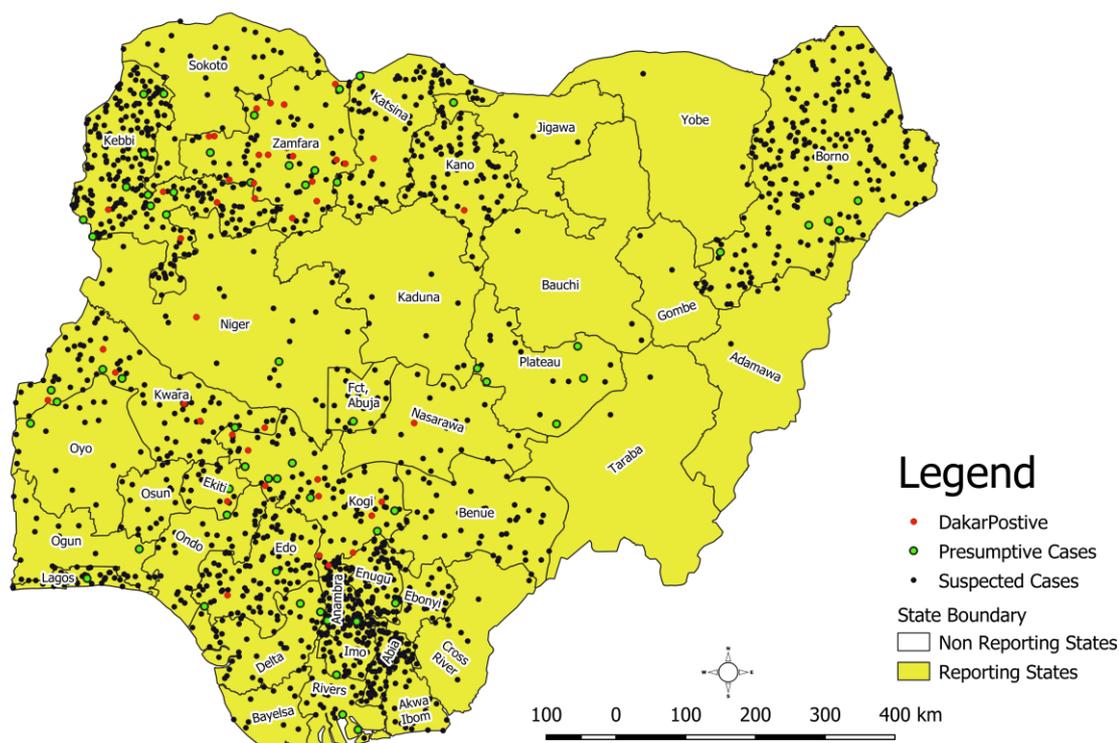
***Table 1: Showing all affected states and cases with Yellow fever as at week 19 (14<sup>th</sup>-20<sup>th</sup>) May, 2018***

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 list	89	217	75	116	12	140	253	75	16	106	89	38	76	62	72	23	11	11	9	22	33	45	43	6	25	25	17	16	14	27	18	40	4	3	3	2	2	1835
Number of LGAs with suspected cases	14	21	18	12	7	10	19	14	12	15	18	9	24	14	14	9	5	6	5	15	11	18	20	6	11	10	10	4	7	10	13	16	4	2	1	2	1	407
Number of LGAs with Presumptive/inconclusive cases	1	3	6	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	57
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	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	21
Number suspected cases with Blood sample collected in Nigeria	88	215	68	77	12	53	253	75	16	106	89	38	75	22	72	23	11	11	9	22	33	45	43	6	25	25	17	16	14	27	18	40	4	3	3	2	2	1658
Number of Presumptive Positives in Nigeria	1	5	18	12	5	24	17	1	1	2	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	108
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 of samples sent to Dakar	1	6	18	13	5	24	17	1	1	4	6	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 positive cases from IP Dakar	0	0	10	7	0	18	5	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	46
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	3	4	1	1	1	1	1	0	2	0	0	0	0	0	0	0	73
Number awaiting result from Dakar	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	7
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	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	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

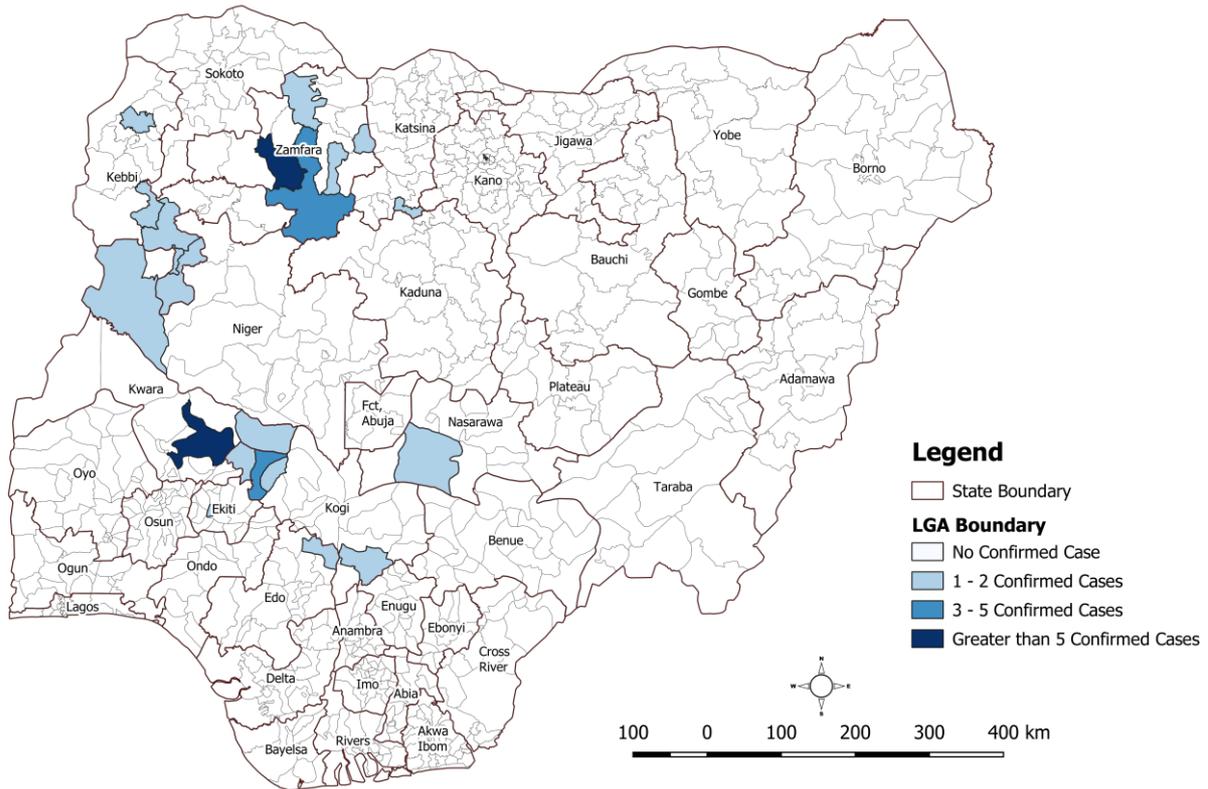
**CFR for all cases = 2.6%, among the Presumptive/inconclusive cases 11.1% and among IP Dakar confirmed cases 21.7%**



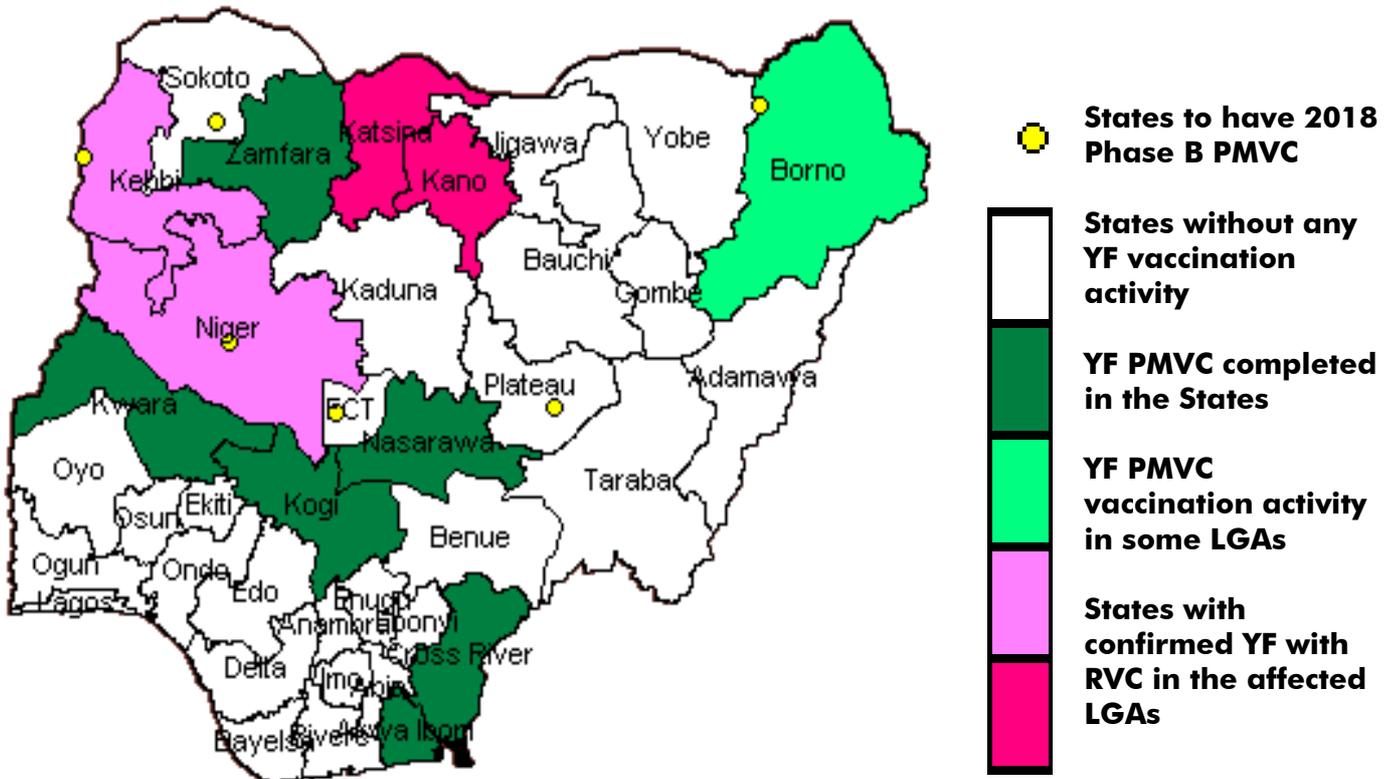
**Figure 1: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at week 19 (14<sup>th</sup>-20<sup>th</sup>) May, 2018**



**Figure 2: Map of Nigeria showing states with suspected/presumptive/confirmed as at week 19 (14<sup>th</sup>-20<sup>th</sup>) May, 2018**



**Figure 3: Map of Nigeria showing LGAs with confirmed cases of Yellow fever, as at week 19 (14<sup>th</sup>-20<sup>th</sup>) May, 2018**



**Figure 4: Map of Nigeria showing states that have received YF vaccination campaign as at week 20 (14<sup>rd</sup> - 20<sup>th</sup>) May, 2018**

