

# 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>014</b>
<b>EPI-WEEK:</b>	<b>11</b>
<b>DATE:</b>	<b>12<sup>th</sup> – 18<sup>th</sup> March, 2018</b>

### HIGHLIGHTS

- In this reporting week 12<sup>th</sup> – 18<sup>th</sup> March, 2018
  - Benue State has been added to the national line list
  - No new (Presumptive positive/confirmed case from the Nigerian laboratories and IP Dakar Reference Laboratory

### 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): involving 16 Local Government areas (LGAs)
- However, a total of 32 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 State, Akwa Ibom, Ebonyi, Ekiti, FCT Abuja, Ogun, Ondo, Osun and Benue States) in 338 LGAs
- From the onset of this outbreak on September 12 2017, a total of 1,579 suspected yellow fever cases have been line-listed as at week 11 [12<sup>th</sup> -18<sup>th</sup> March, 2018 (Table 1)].
- Of the 1,579 suspected cases, 1,408 (89.2%), had blood samples collected and sent to the laboratory for confirmation.
- Of the 1,408 samples collected, **96 (6.8%) tested positive for yellow fever (presumptive positives) and 16 (1.1%) inconclusive results in five Nigerian laboratories.**
- As at Epid week 11 (12<sup>th</sup> -18<sup>th</sup>) March, 2018, **41 samples (36.6%) samples out of the 112 (positive and inconclusive) samples in Nigeria were confirmed positive by IP, Dakar. Seventy one samples were negative, no pending samples from Nigeria in IP Dakar** [Table 1].
- Predominant age groups affected are 20 years and below accounting for 63.7% (See fig 3).
  - Median age is 14 years (range 1 – 92 years)
  - Male to female ratio is 1.4 to 1 (male 57.9%, female 42.1%):
  - 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

- Total number of deaths in all cases (suspected, probable and confirmed cases) is 46, while 11 deaths were recorded among confirmed cases only. Therefore, the case fatality ratio (CFR) for all cases (including suspected, probable and confirmed) is 2.9%, and 26.8% for confirmed cases.

## EPI- SUMMARY

**Table 1: Showing all affected states and cases with Yellow fever between 12<sup>th</sup>-18<sup>th</sup> March, 2018**

State	Abia	Borno	Keji	Kwara	Plateau	Zamfara	Keji	Imo	Oyo	Anambra	Fako	Enugu	Kano	Nasarawa	Katsina	Niger	Bayelsa	Cross River	Kaduna	Rivers	Sokoto	Imo	Delta	Rigawa	Akwai	Born	Edo	Enugu	FC	Ogun	Ondo	Osun	Benue	Total
Total Number of cases in the list	82	217	66	116	8	125	247	61	12	78	74	34	76	45	64	17	1	10	7	3	33	27	26	6	23	23	5	14	13	17	16	33	1579	
Number of LGAs with suspected cases	14	21	18	12	4	8	19	14	10	13	18	9	24	12	14	8	1	5	6	3	12	13	14	6	10	9	4	4	7	9	12	5	338	
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	2	0	2	4	1	1	1	0	1	0	2	0	0	53	
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	16	
Number with Blood samples collected in Nigeria	81	215	59	77	8	44	247	61	12	78	74	34	75	5	64	17	1	10	7	3	33	27	26	6	23	23	5	14	13	17	16	33	1408	
Number of Presumptive Positives in Nigeria	1	5	17	12	5	24	15	1	1	2	2	1	1	1	2	2	0	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0	96	
Number with inconclusive results	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	16	
Total number of samples sent to Dakar	1	6	17	13	5	24	15	1	1	3	4	2	1	1	2	2	0	0	0	2	0	2	4	1	1	1	0	1	0	2	0	0	112	
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	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	71	
Number awaiting result from Dakar	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	
Number of deaths from all cases	0	1	4	16	0	25	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	46	
Number of deaths among presumptive positives	0	0	4	1	0	8	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	13	
Number of deaths from Dakar confirmed	0	0	3	0	0	8	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	11	

**CFR for all cases = 2.9%;, among the Presumptive/inconclusive cases 11.6% and among IP Dakar confirmed cases 26.8%**

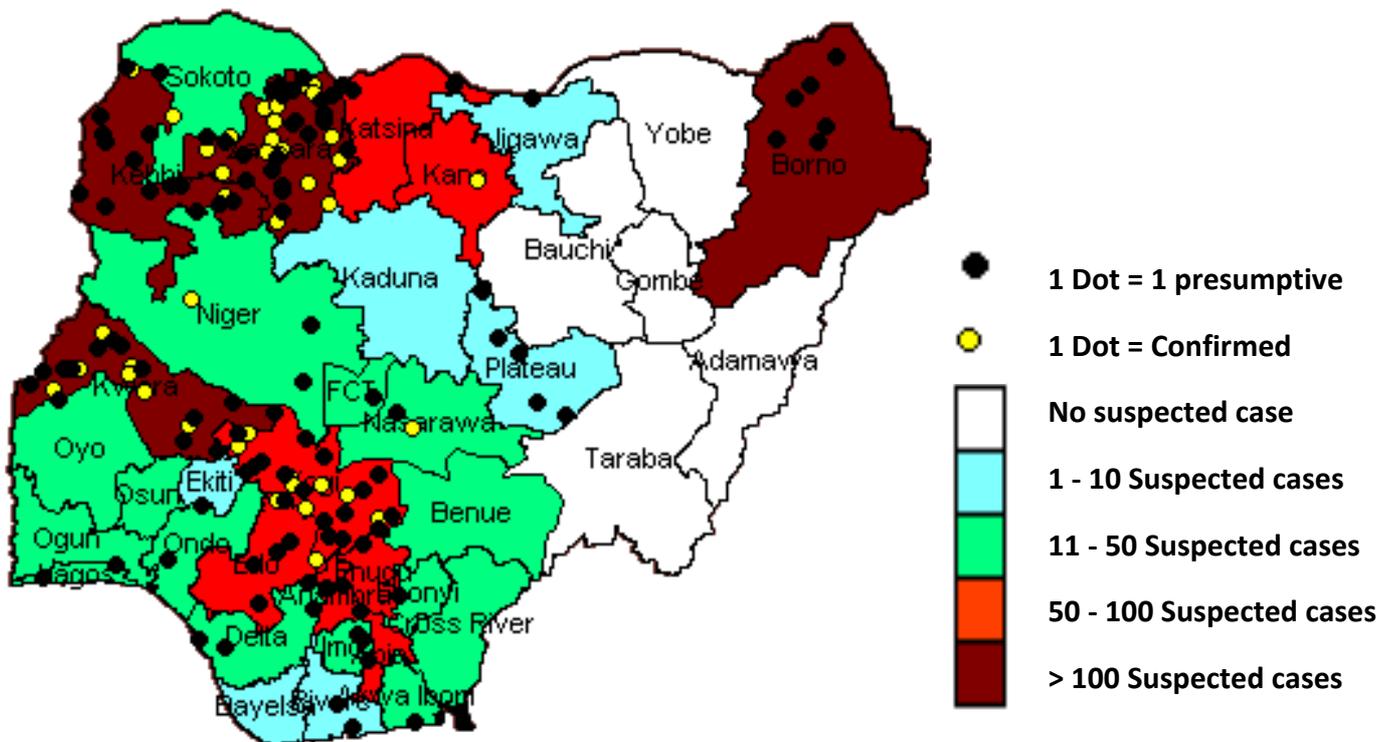
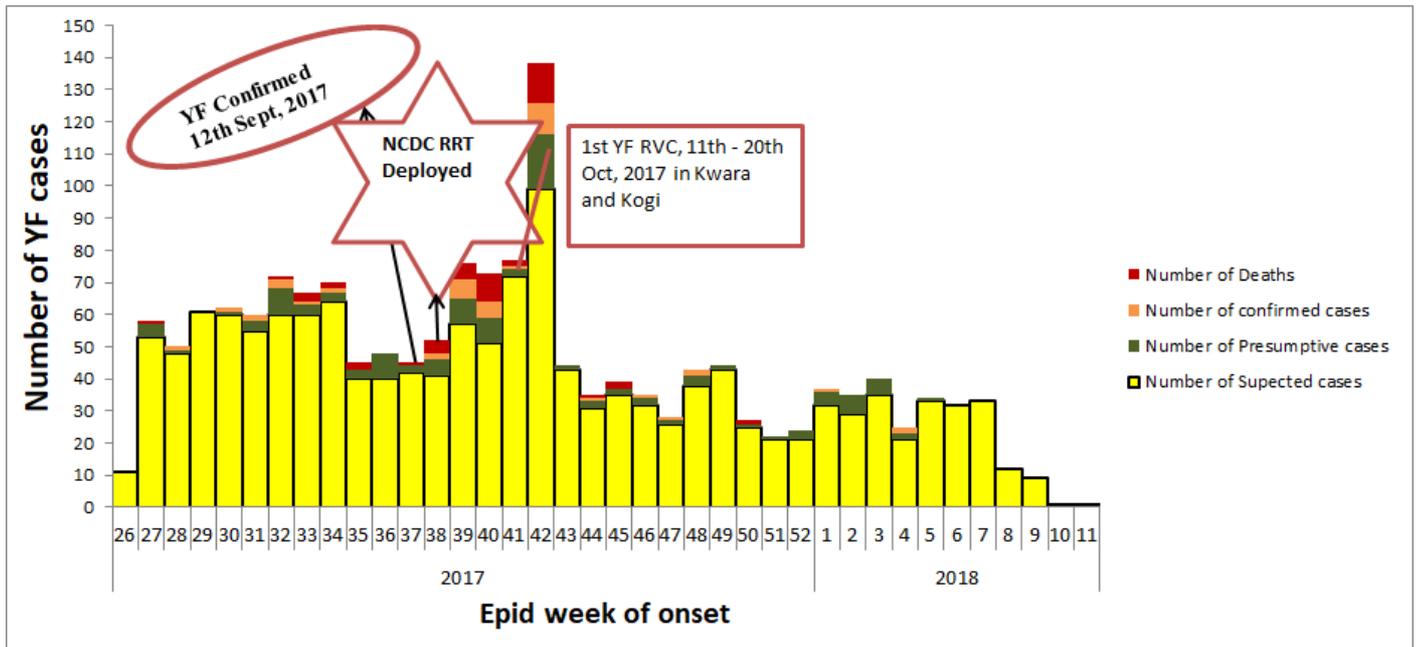


Figure 3: Map of Nigeria showing states with suspected/presumptive positive and confirmed cases of Yellow fever, 12<sup>th</sup>-18<sup>th</sup> March, 2018

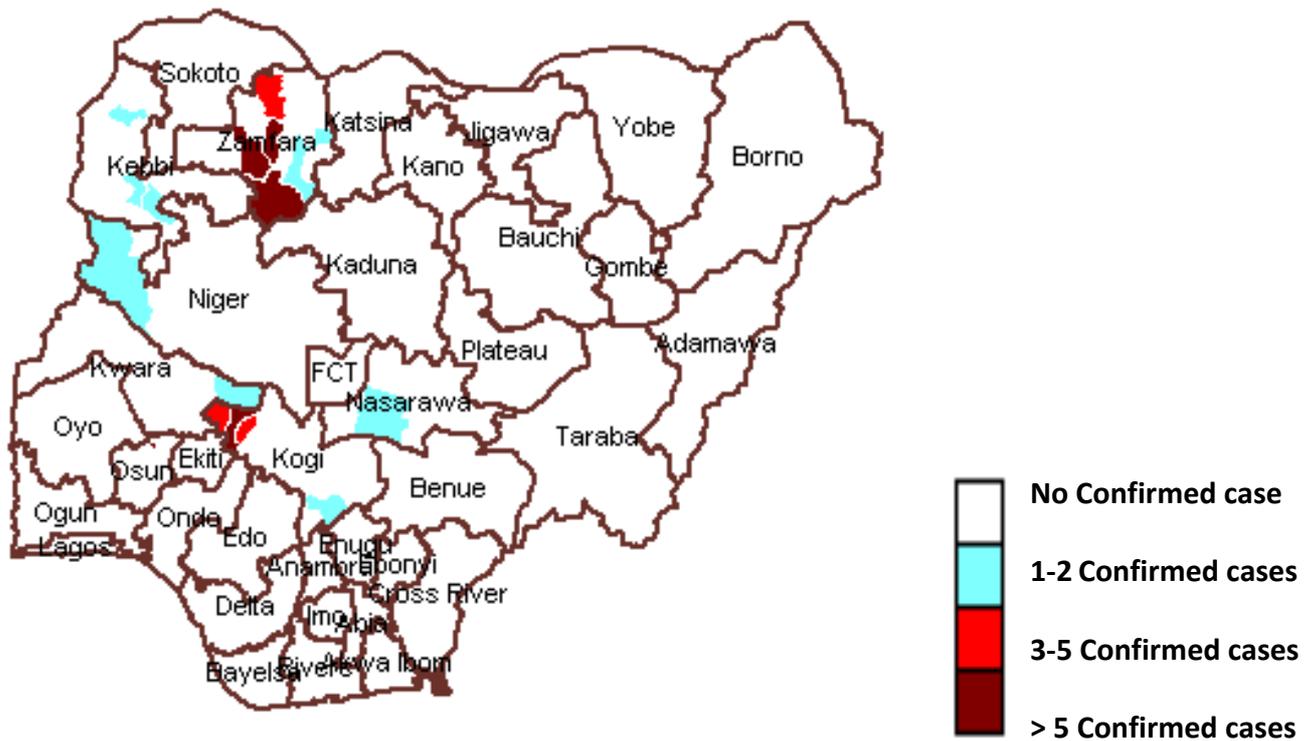


Figure 4: Map of Nigeria showing LGAs with confirmed cases of Yellow fever, 12<sup>th</sup>-18<sup>th</sup> March, 2018

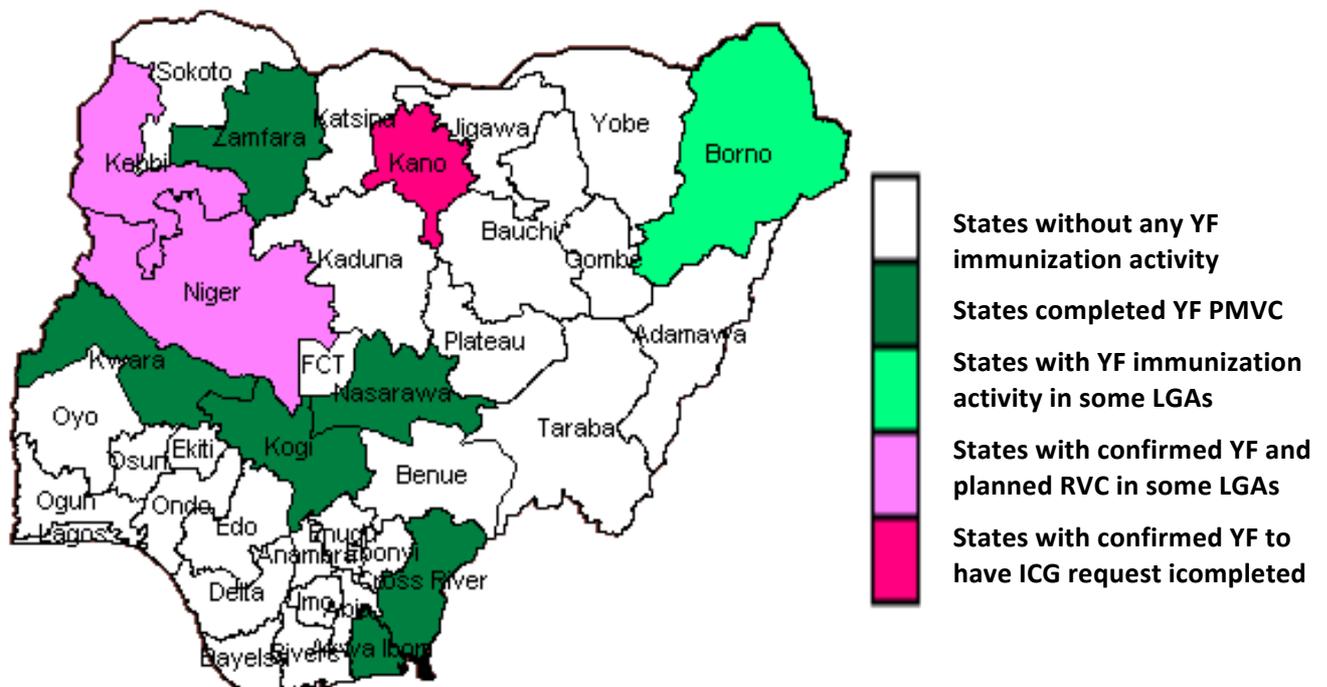


Figure 5: Map of Nigeria showing states that have received YF vaccination campaign as at, 12<sup>th</sup>-18<sup>th</sup> March, 2018