



# SITUATION REPORT

## Nigeria Centre For Disease Control (NCDC)

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| TITLE:         | YELLOW FEVER OUTBREAK IN NIGERIA                   |
|----------------|--|
| SERIAL NUMBER: | 024  |
| EPI-WEEK:      | 26   |
| DATE:          | 25 <sup>th</sup> June – 1 <sup>st</sup> July, 2018 |

#### **HIGHLIGHTS**

- In this reporting week 25<sup>th</sup> June 1<sup>st</sup> July, 2018
- Fifty (56) suspected cases were added to the national line list
- No new in-country presumptive positives in the reporting week
- Last presumptive positive case in the Nigerian lab was 10-May-18
- Last IP Dakar confirmed case from Nigeria was on 6-June -2018

#### **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 State): in 22 Local Government areas (LGAs) [Table 1]
- 125 samples (presumptive positive and inconclusive) in 57 LGAs sent to IP Dakar
- All Nigerian states have reported suspected cases in 491 (63.4%) LGAs
- From the onset of this outbreak on September 12, 2017, a total of 2,309 suspected yellow fever cases have been line-listed as at week 26 [25<sup>th</sup> June 1<sup>st</sup> July, 2018 (Table 1)].
- Of the 2,309 suspected cases, 2,127 (92.1%), had blood samples collected and sent to the Nigerian testing laboratories for confirmation
- Of the 2,127 samples collected, 109 (5.1%) tested positive for yellow fever (presumptive positives) and 16 (0.8%) inconclusive results in six Nigerian laboratories. (Tables 1)
- As at Epi week 26, [25<sup>th</sup> June 1<sup>st</sup> July, 2018] 47 (37.6%) samples out of the 125 (positive and inconclusive) samples in Nigeria have been confirmed positive by IP, Dakar. 77 samples were negative, 1 sample is awaiting results from IP Dakar [Table 1].
- Predominant age groups affected among the suspected cases are 20 years and below accounting for 1441 (62.4%) [Male 878 (38.0%): Female 563 (24.4%)]
- Median age is 15 years (range 1 92 years)
- o Male to female ratio is 1.4 to 1 (male 57.6%, female 42.4%):
- Predominant age groups affected among the confirmed cases are 20 years and below accounting (57.4%)
- Yellow fever vaccination campaigns have been successfully completed in six states
- $\circ$  2018 phase 2 PMVC to be implemented from  $8^{th}$   $17^{th}$  November, 2018 in Sokoto, Kebbi, Niger, FCT, Plateau and Borno States
- 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 2.0%, and 21.3% for confirmed cases.

### **EPI- SUMMARY**

Table 1: Showing all affected states and cases with Yellow fever as at week 26 (25th June - 1st July), 2018

| Description                                  | Abia | Borno | Kogi | Kwara | Plateau | Zamfara | Kebbi | Enugu | Oyo | Anambra | Edo | Lagos | Kano | Nasarawa | Katsina | Niger | Bavelsa | District District | Cross River | Kaduna | Rivers | Sokoto | lmo | Delta | Jigawa  | Akwa Ibom | Ebonyi | Ekiti | FCT | Ogun | OpuO | Osun | Benue | Adamawa | Bauchi | Gombe | Taraba | Yobe | Total |
|--|------|-------|------|-------|---------|---------|-------|-------|-----|---------|-----|-------|------|----------|---------|-------|---------|-------------------|-------------|--------|--------|--------|-----|-------|---|-----------|--------|-------|-----|------|------|------|-------|---------|--------|-------|--------|------|-------|
| Total Number of cases in the linelist        | 92   | 212   | 85   | 116   | 18      | 135     | 357   | 103   | 30  | 135     | 100 | 43    | 89   | 89       | 9 11    | 3 2   | 22      | 13                | 13          | 16     | 29     | 42     | 49  | 47    | 9   | 42        | 31     | 19    | 16  | 25   | 37   | 22   | 66    | 5 19    | 25     | 5 10  | 0 1    | 8 2  | 2309  |
| Number of LGAs with suspected cases          | 14   | 21    | 18   | 12    | 9       | 10      | 21    | 14    | 16  | 16      | 18  | 9     | 26   | 13       | 3 1     | 9     | 9       | 6                 | 6           | 9      | 15     | 15     | 19  | 21    | 8   | 16        | 11     | 11    | 4   | 10   | 13   | 14   | 19    | 11      | 11     | 1     | 7 1    | 1    | 491   |
| Number of LGAs with Presumptive              | 1    | 3     | 6    | 2     | 1       | 1       | 6     | 2     | 1   | 3       | 4   | 2     | 1    | . 1      | 1       | 2     | 1       | 0                 | 0           | 0      | 3      | 0      | 3   | 4     | 1   | 1         | 1      | 3     | 1   | 1    | 2    | 0    | C     | ) (     | ) (    | 0 (   | 0      | 0    | 57    |
| Number of LGAs with confirmed                | 0    | 0     | 4    | 2     | 0       | 4       | 5     | 0     | 0   | 0       | 1   | 0     | 1    | . 1      | 1       | 1     | 1       | 0                 | 0           | 0      | 1      | 0      | 0   | 0     | 0   | 0         | 0      | 1     | 0   | 0    | 0    | 0    | 0     | ) (     | ) (    | 0 (   | 0      | 0    | 22    |
| Number suspected cases with Blood sample     | 91   | 210   | 78   | 77    | 18      | 49      | 353   | 103   | 30  | 135     | 100 | 43    | 88   | 49       | 11      | 1 7   | 22      | 13                | 13          | 16     | 29     | 42     | 49  | 47    | 9   | 42        | 31     | 19    | 16  | 25   | 37   | 22   | 66    | 5 19    | 25     | 5 10  | 0 1    | 8 2  | 2127  |
| Number of Presumptive Positives in Nigeria   | 1    | 5     | 18   | 12    | 5       | 24      | 17    | 1     | 1   | 3       | 3   | 1     | 1    | . 1      | 1       | 3     | 2       | 0                 | 0           | 0      | 2      | 0      | 1   | 2     | 1   | 0         | 0      | 3     | 1   | 1    | 0    | 0    | C     | ) (     | ) (    | 0 (   | 0      | 0    | 109   |
| Number with inconclusive results in Nigeria  | 0    | 1     | 0    | 1     | 0       | 0       | 0     | 0     | 0   | 1       | 2   | 1     | 0    | (        | )       | 0     | 0       | 0                 | 0           | 0      | 1      | 0      | 2   | 3     | 0   | 1         | 1      | 0     | 0   | 0    | 2    | 0    | C     | ) (     | ) (    | 0 (   | 0      | 0    | 16    |
| Total number of samples sent to Dakar        | 1    | 6     | 18   | 13    | 5       | 24      | 17    | 1     | 1   | 4       | 5   | 2     | 1    | . 1      | 1       | 3     | 2       | 0                 | 0           | 0      | 3      | 0      | 3   | 5     | 1   | 1         | 1      | 3     | 1   | 1    | 2    | 0    | C     | ) (     | ) (    | 0 (   | 0      | 0    | 125   |
| Number positive cases from IP Dakar          | 0    | 0     | 10   | 7     | 0       | 18      | 5     | 0     | 0   | 0       | 1   | 0     | 1    | . 1      | 1       | 1     | 1       | 0                 | 0           | 0      | 1      | 0      | 0   | 0     | 0   | 0         | 0      | 1     | 0   | 0    | 0    | 0    | C     | (       | ) (    | 0 (   | 0      | 0    | 47    |
| Total number negative in Dakar               | 1    | 6     | 7    | 6     | 5       | 6       | 12    | 1     | 1   | 4       | 4   | 2     | 0    | (        | )       | 2     | 1       | 0                 | 0           | 0      | 2      | 0      | 3   | 5     | 1   | 1         | 1      | 2     | 1   | 1    | 2    | 0    | C     | ) (     | ) (    | 0 (   | 0      | 0    | 77    |
| Number awaiting result from Dakar            | 0    | 0     | 1    | . 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    | C     | ) (     | ) (    | 0 (   | 0      | 0    | 1     |
| 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    | C     | ) (     | ) (    | 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    | C     | ) (     | ) (    | 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    | C     | ) (     | ) (    | 0 (   | 0      | 0    | 10    |
|  |      |       |      |       |         |         |       |       |     |         |     |       |      |          |         |       |         |                   |             |        |        |        |     |       | States with presumptive/inconclusive cases States with confirmed cases States with only suspected cases |           |        |       |     |      |      |      |       |         |        |       |        |      |       |

CFR for all cases = 2.0%, among the Presumptive/inconclusive cases 11.2% and among IP Dakar confirmed cases 21.3%

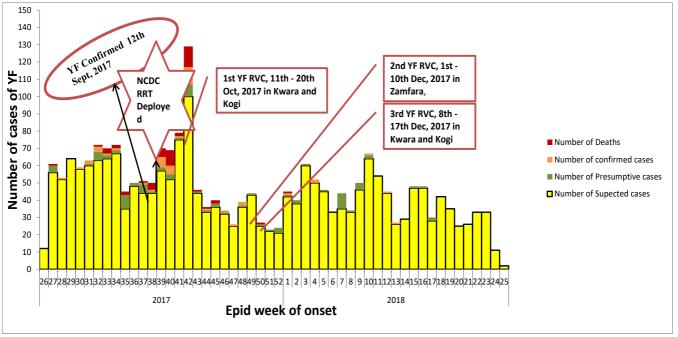


Figure 1: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at week 26 (25th June – 1st July), 2018

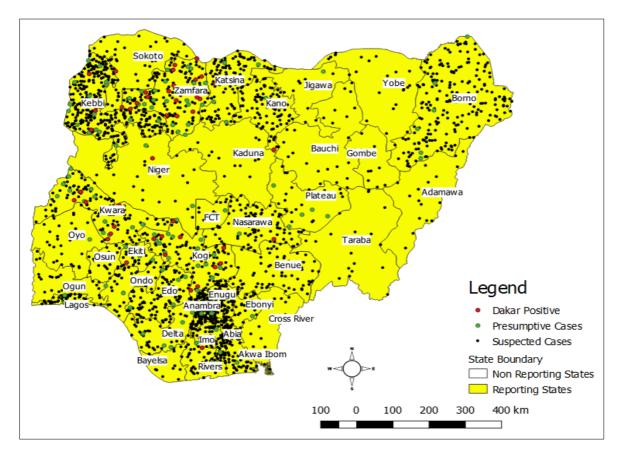


Figure 2: Map of Nigeria showing states with suspected/presumptive/confirmed as at week 26  $(25^{th}June-1^{st}July)$ , 2018