

SITUATION REPORT

Nigeria Centre For Disease Control (NCDC)

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| TITLE: | YELLOW FEVER OUTBREAK IN NIGERIA |
| SERIAL NUMBER: | 009 |
| EPI-WEEK: | 01 |
| DATE: | 2nd January, 2018 |

HIGHLIGHTS

- A yellow fever outbreak is currently active in Nigeria with seven States recording confirmed cases (Kwara, Kogi, Kano, Zamfara, Kebbi, Nasarawa and Niger) in twelve Local Government Areas (LGAs).
- However, a total of 16 states have reported suspected cases (Abia, Borno, Kogi, Kwara, Kebbi, Plateau, Zamfara, Enugu, Oyo, Anambra, Edo, Lagos, Kano, Nasarawa, Katsina and Niger States) in 62 (LGAs)
- In the reporting week, **one new confirmed case from Borgu LGA Niger State was confirmed by the WHO Reference Laboratory, Dakar- the first confirmed case in Niger.**
- The current outbreak started in Ifelodun LGA, Kwara State on September 12 2017. As at 2nd January, 2018, **a total of 358 suspected yellow fever cases have been line-listed** (Table 1)
- Of the 358 suspected cases, 230 (64.2%) have had blood samples collected and sent to the laboratory for confirmation.
- Of the 230 samples collected, **63 (27.4%) tested positive for yellow fever and 1 (0.4%) inconclusive result in five Nigerian laboratories.**
- As at 2nd January 2018, **33 samples (51.6%) samples out of the 64 (positive and inconclusive) samples in Nigeria were confirmed positive by the WHO Reference Laboratory, Dakar.** 24 were negative and 7 results are being awaited.
- Predominant age groups affected are 20 years and below accounting for 67.8% (See fig 3). Male to female ratio is 1.6 to 1 (Male 62.0%, Female 38.0%)
- Total number of deaths in all cases (among suspected, probable and confirmed cases) is 45, and 9 among confirmed cases - Case fatality rate (CFR) for all cases (including suspected, probable and confirmed) is 12.6%, and 27.3% for confirmed cases.

EPI- SUMMARY

Table 1: Showing all affected states and cases with Yellow fever as at 2nd January, 2018

| State | Abia | Borno | Kogi | Kwara | Plateau | Zamfara | Kebbi | Enugu | Oyo | Anambra | Edo | Lagos | Kano | Nasarawa | Katsina | Niger | Total |
|---|------|-------|------|-------|---------|---------|-------|-------|-----|---------|-----|-------|------|----------|---------|-------|-------|
| Total Number of cases in the linelist | 1 | 2 | 49 | 115 | 2 | 120 | 1 | 1 | 1 | 1 | 1 | 1 | 59 | 1 | 1 | 2 | 358 |
| Number of LGAs affected | 1 | 1 | 10 | 12 | 1 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 1 | 1 | 1 | 62 |
| Number of LGAs with Dakar confirmed cases | 0 | 0 | 2 | 2 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 12 |
| Number tested in Nigeria | 1 | 2 | 42 | 76 | 2 | 39 | 1 | 1 | 1 | 1 | 1 | 1 | 58 | 1 | 1 | 2 | 230 |
| Number Positive in Nigeria | 1 | 1 | 14 | 12 | 2 | 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 63 |
| Number with inconclusive result | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total number of samples sent to Dakar | 1 | 1 | 14 | 13 | 2 | 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 64 |
| Number positive in Dakar | 0 | 0 | 5 | 7 | 0 | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 33 |
| Total number negative in Dakar | 1 | 1 | 5 | 6 | 2 | 4 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 24 |
| Number awaiting result from Dakar | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 7 |
| Number of deaths from all cases | 0 | 0 | 3 | 16 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| Number of deaths from Dakar confirmed | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |

CFR for all cases = 12.6%: CFR for Dakar positive confirmed

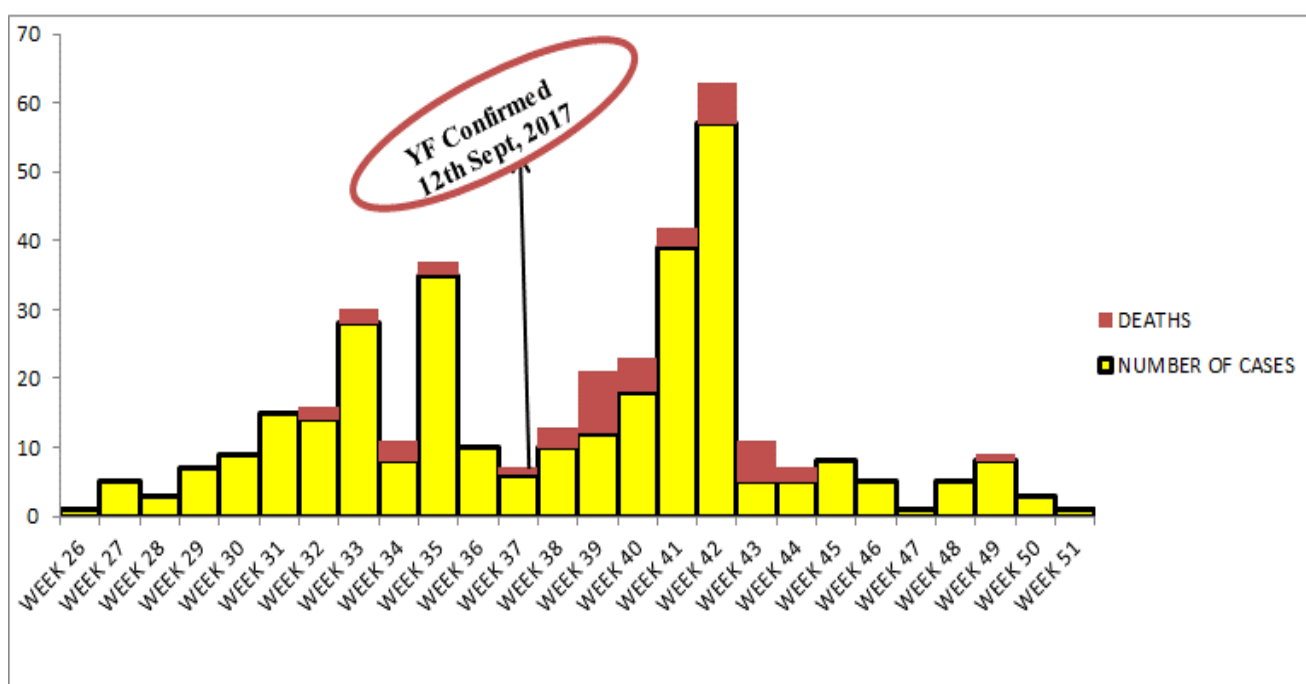


Figure 1: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at 2nd January, 2018

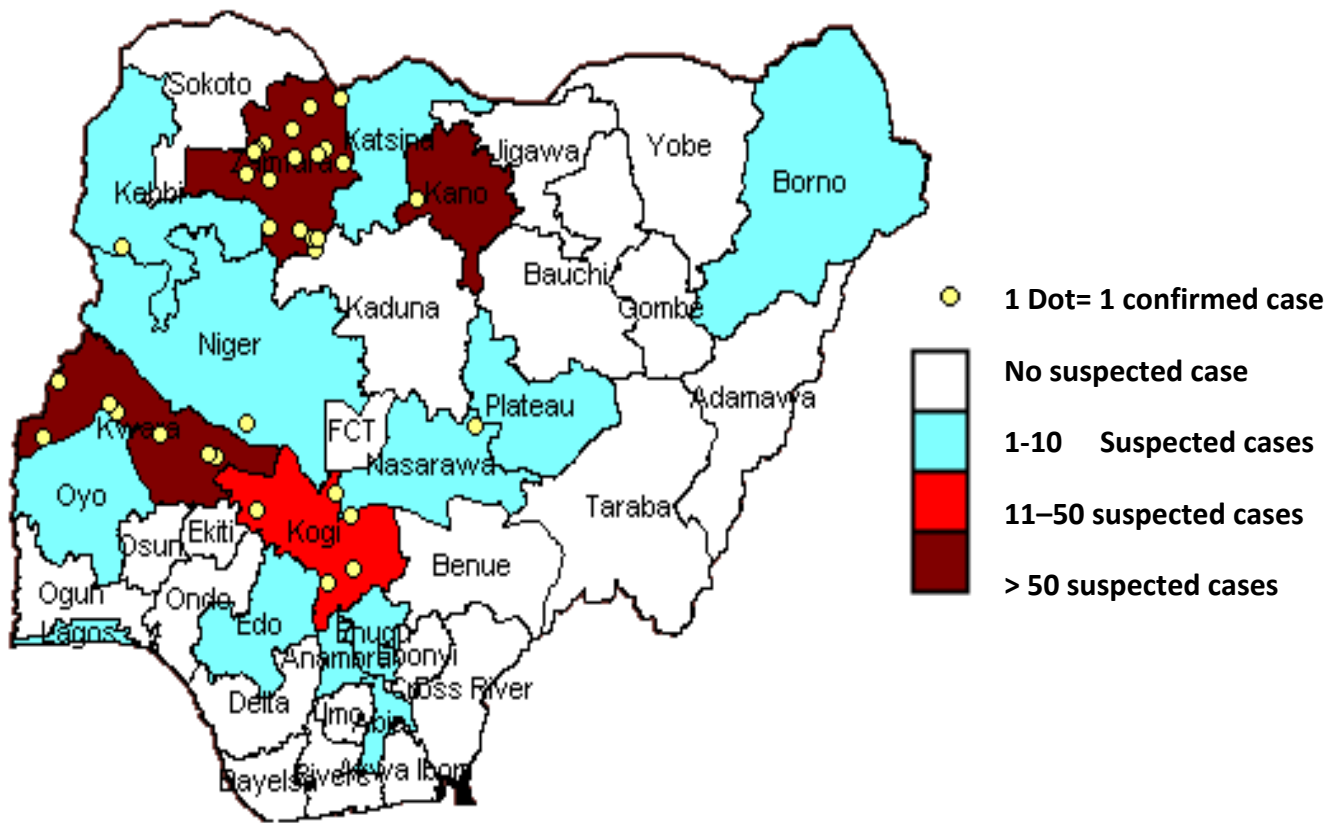


Figure 2: Map of Nigeria showing states with suspected/confirmed cases of yellow fever, as at 2nd January, 2018