

# CEREBROSPINAL MENINGITIS OUTBREAK IN NIGERIA

## Situation Report

(18<sup>th</sup> May, 2017)

### Highlights

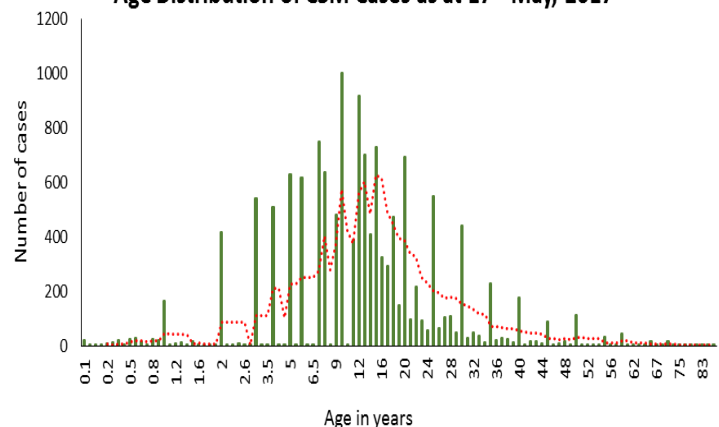
- From 13<sup>th</sup> December, 2016 to 17<sup>th</sup> May, 2017, a total of 14,005 suspected cases and 1114 deaths (CFR= 8%) of CSM have been reported from 24 States
- We have now had 5 weeks of persistent decline in new cases, from a peak of 2,500 per week to about 250 per week.
- Of the 423 laboratory confirmed cases, 309 (73%) were *Neisseria meningitidis* serogroup C
- In the last four weeks (Epi-week 16-19), 42 Local Government Areas (LGAs) have reached alert/epidemic threshold in five States — Zamfara, Sokoto, Kano, Katsina and Yobe
- Technical teams continue to provide coordination and support response activities in the most affected States

### Epi summary

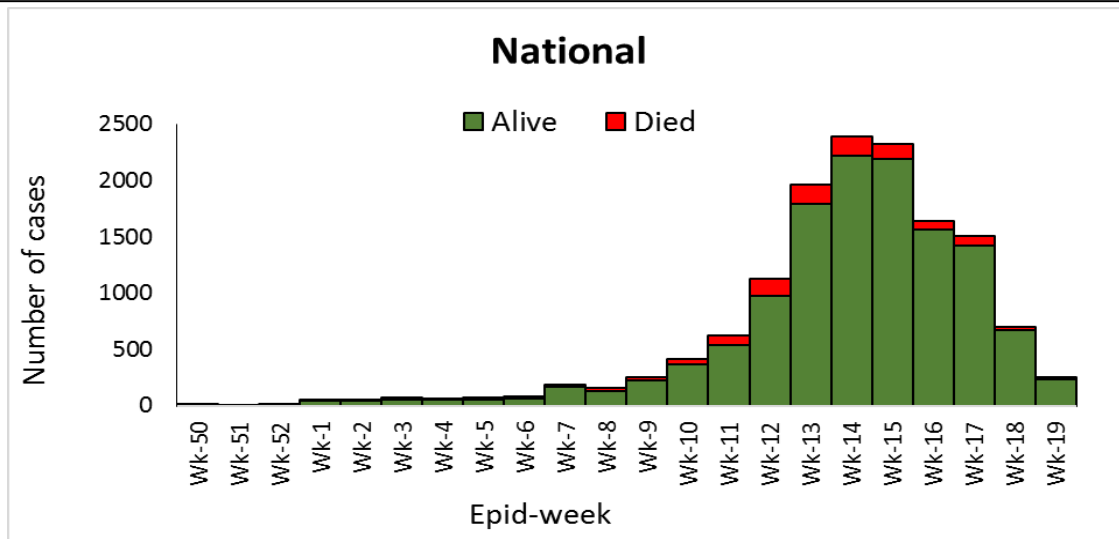
- The first case occurred in Zamfara State during Epidemiology Week 50 (December 12– 18, 2016)
- A total of 14,005 cases with 1114 deaths (CFR=8.0%) have been reported
- Of the reported cases, 901 (6.4%) were laboratory tested; of which 423 (46.9%) were confirmed positive for bacterial meningitis
- *Neisseria meningitidis* serogroup C remains the predominant (73%) cause of meningitis amongst those who tested positive
- The 5-14 year age group remains the most affected with a total of 6542 (46.7%) cases
- In the five most affected States — Zamfara, Sokoto, Katsina, Yobe and Kano — a total of 16 LGAs have reached the alert threshold and are therefore under enhanced surveillance, while 26 LGAs have reached the epidemic threshold, with full outbreak investigation and control measures being implemented

Key Indicators	Number
Total cases reported	14,005
Total Deaths	1,114
Confirmed cases	423
Total samples tested	901
States that have reported at least one suspected case	24
States with at least one LGA currently in Epidemic	3
States with at least one LGA currently in Alert	4
LGAs in Alert in the last four weeks (wk16 to wk19)	16
LGAs in Epidemic in the last four weeks (wk16 to wk19)	26
Cumulative LGAs ever in Epidemic	34

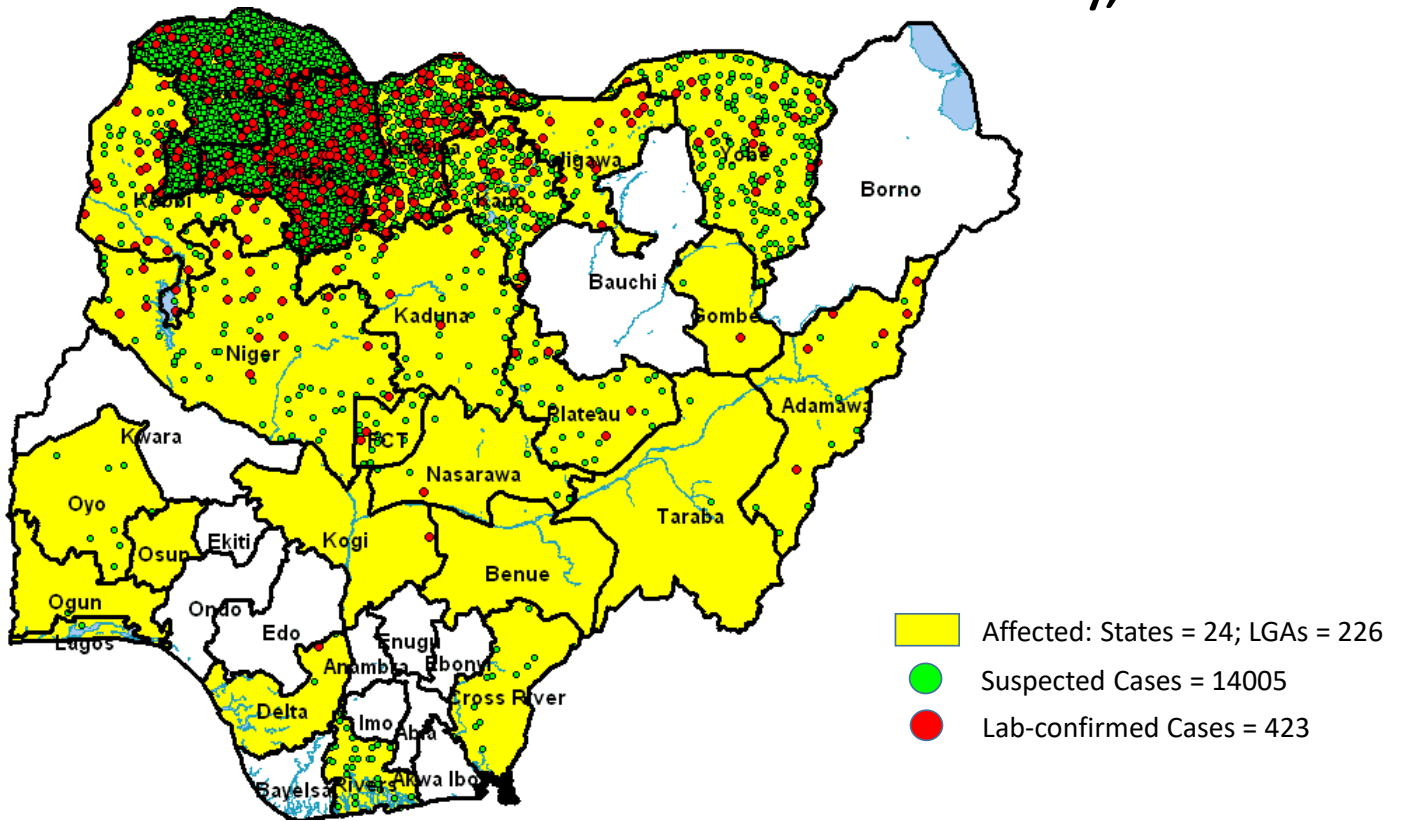
Age Distribution of CSM Cases as at 17<sup>th</sup> May, 2017



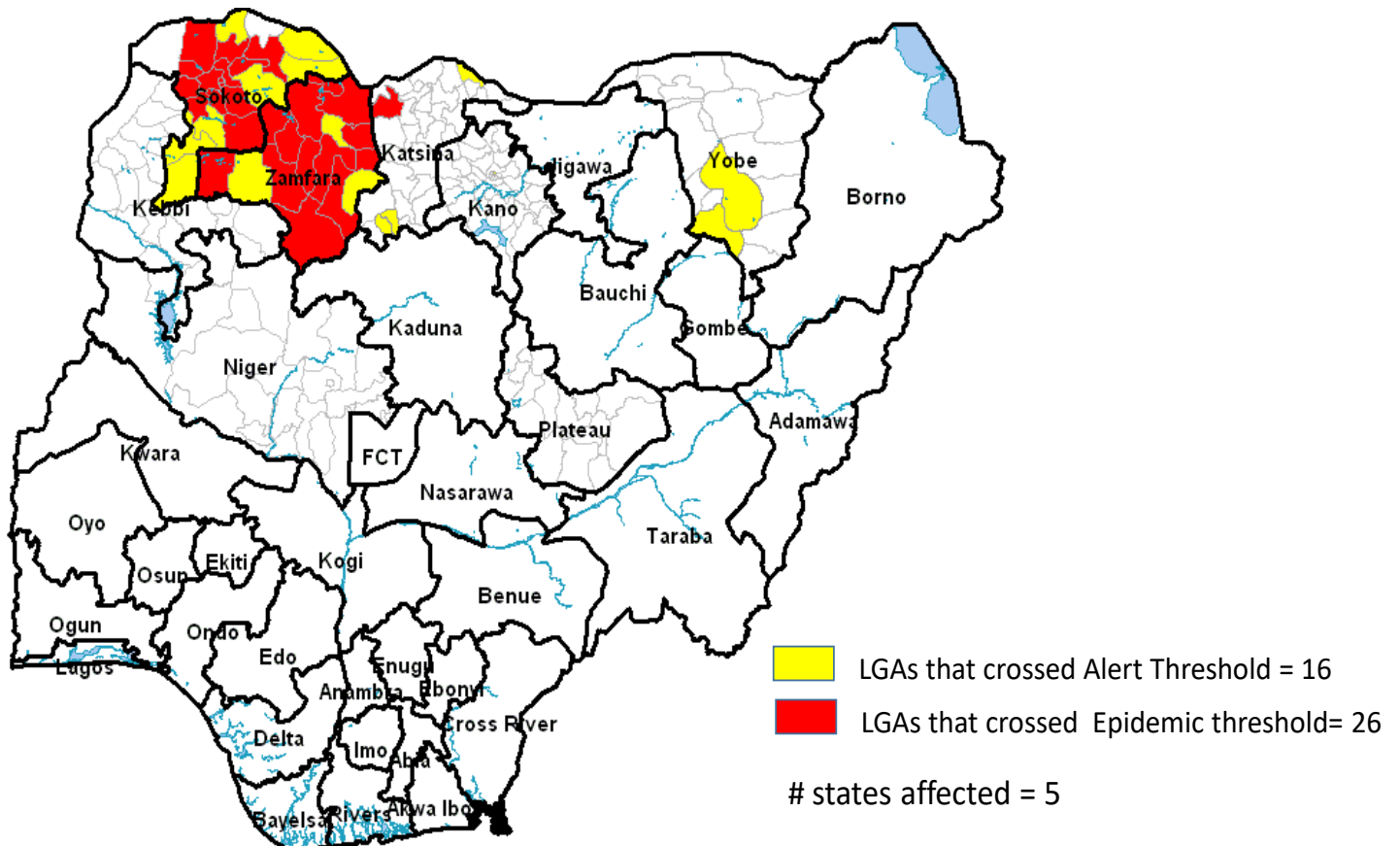
# EPIDEMIC CURVES OF CSM OUTBREAK IN NIGERIA AS AT 17<sup>TH</sup> MAY, 2017



# Distribution of CSM Cases as at 17<sup>th</sup> May, 2017

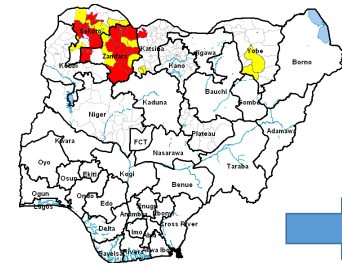


# LGAs in Alert/Epid Within the Last Four Weeks (Wk16-19), 2017



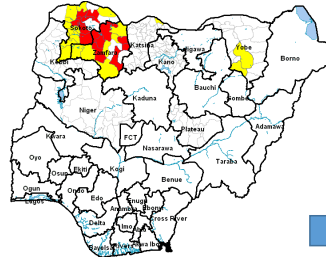
# Evolution of CSM Outbreak within the last four Weeks (Wk16-19), 2017

## National: Wk16, 2017



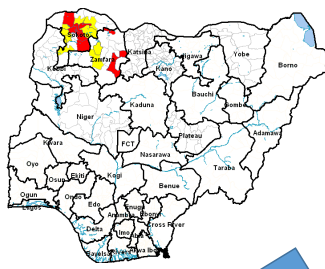
Alert (LGAs=15)  
Epidemic (nLGAs=20)  
# states affected=5

## Wk17, 2017



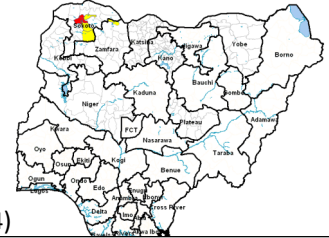
Alert (LGAs=19)  
Epidemic (nLGAs=16)  
# states affected=5

## Wk18, 2017



Alert (LGAs=9)  
Epidemic (nLGAs=10)  
# states affected=2

## Wk19, 2017



Alert (LGAs=4)  
Epidemic (nLGAs=4)

## Zamfara:

### Wk16, 2017



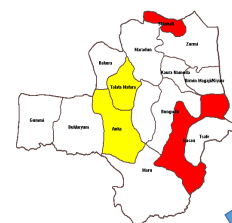
Alert (LGAs=5)  
Epidemic (nLGAs=8)

### Wk17, 2017



Alert (LGAs=6)  
Epidemic (nLGAs=6)

### Wk18, 2017



Alert (LGAs=2)  
Epidemic (nLGAs=2)

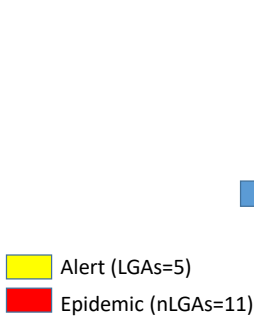
### Wk19, 2017



Alert (LGAs=1)  
Epidemic (nLGAs=0)

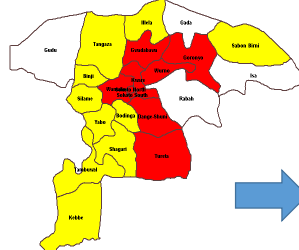
## Sokoto:

### Wk16, 2017



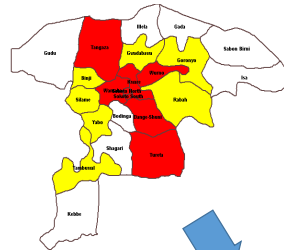
Alert (LGAs=5)  
Epidemic (nLGAs=11)

### Wk17, 2017



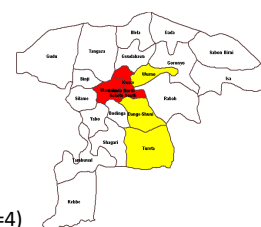
Alert (LGAs=10)  
Epidemic (nLGAs=9)

### Wk18, 2017



Alert (LGAs=7)  
Epidemic (nLGAs=8)

### Wk19, 2017



Alert (LGAs=3)  
Epidemic (nLGAs=4)