

Breaking the Ebola Virus Disease chain of transmission in Liberia ; the role of Montserrado County sectorial surveillance system

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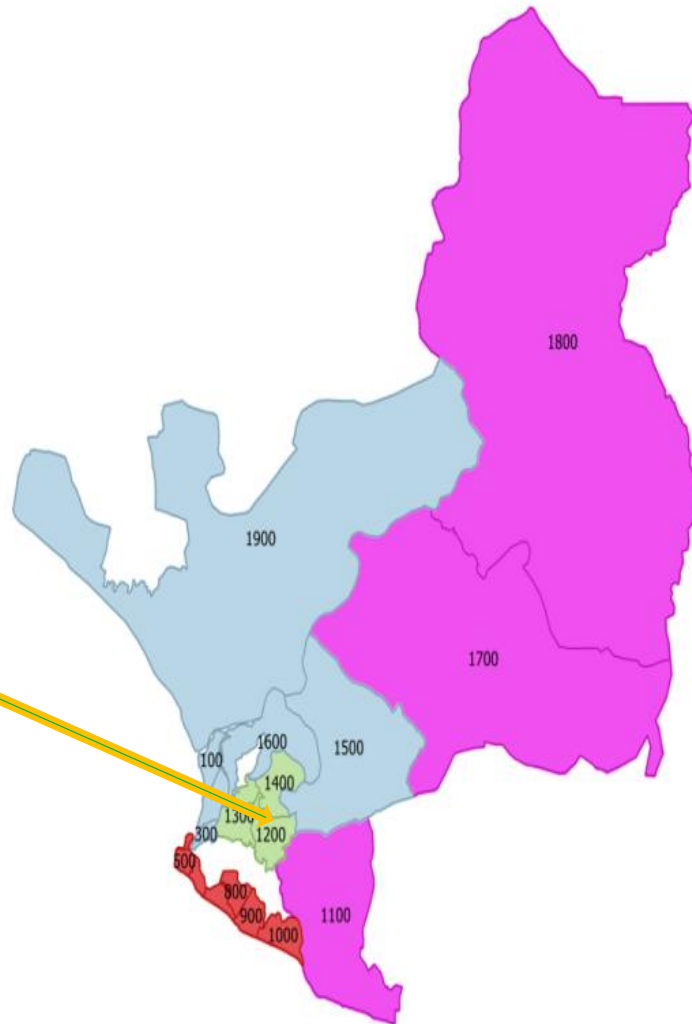
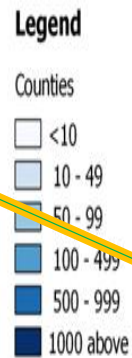
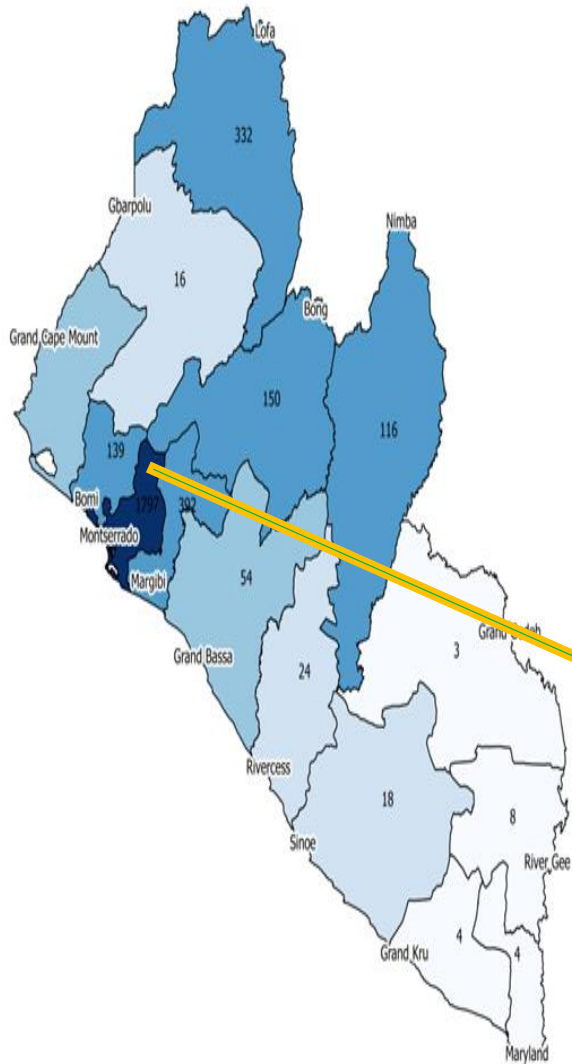
Ebola Virus Disease (EVD)

- August 2014 – EVD declared Public Health Emergency of International Concern (PHEIC)
- January 2015 - EVD cases on the decline in Liberia
- Montserrado county
 - Gaps in contact identification and follow up
 - EVD cases missed by surveillance system
- Introduction of sectorial approach
 - Surveillance decentralized to 4 sectors
 - Early identification of cases and contacts

Objectives

- Assess attributes of Sectorial EVD surveillance
- Evaluate distribution and spread of EVD cases
- Conduct SWOT analysis of sectorial surveillance

Liberia – Montserrado county



Methods

- US CDC Updated Guidelines for Evaluating Public Health Surveillance System, 2001
- Sector 3 epidemiological and laboratory data January to March 2015 analysed -Epi info 7
- Key informant interview -relevant MOSHW and Sector stakeholders
- SWOT analysis

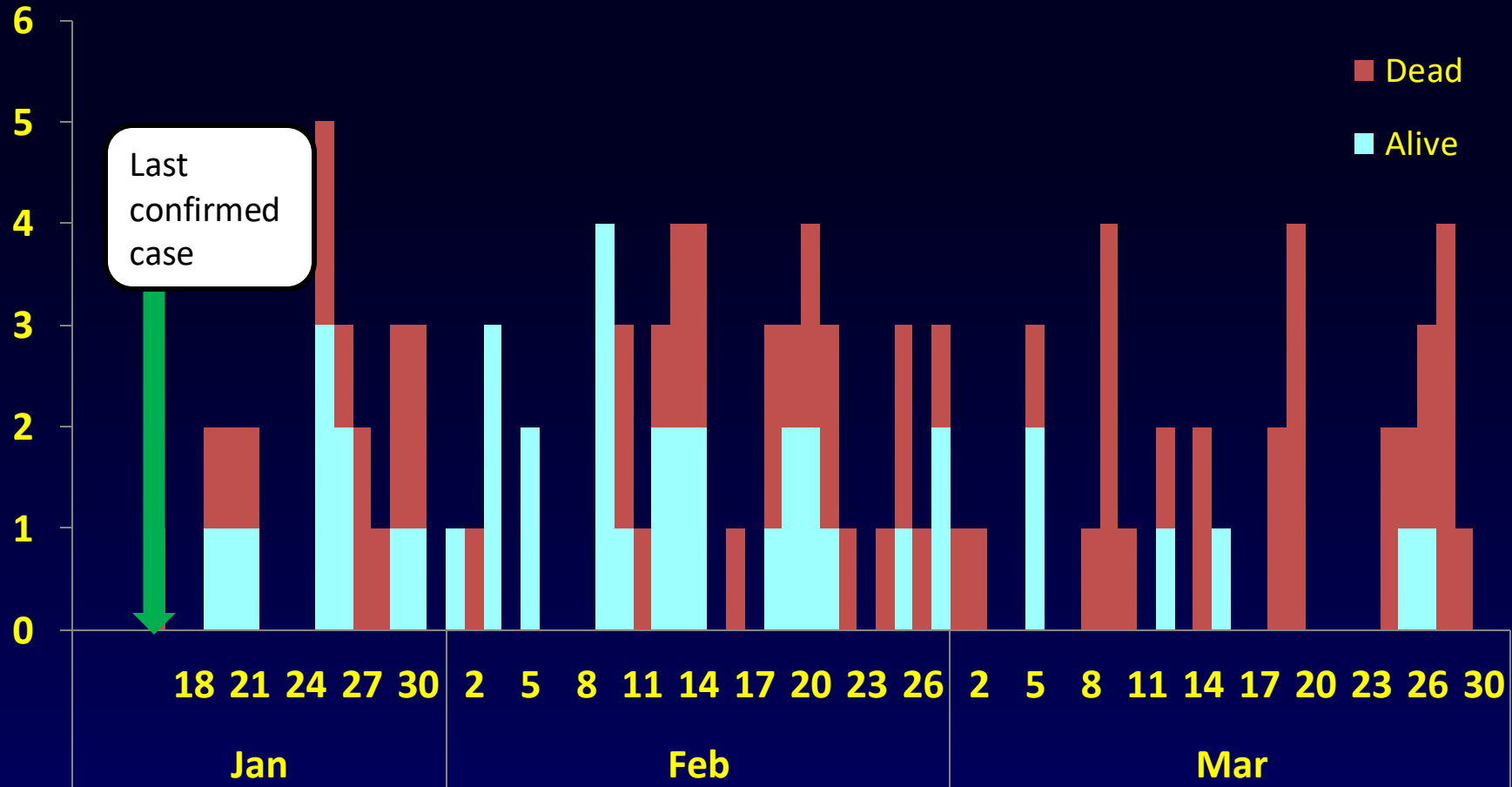
Sector information flow chart



Sectorial surveillance attributes

- Simple and acceptable
 - Case definitions
 - Community participation
- Sensitive
 - system identified **all** suspected cases and contacts
- Timeliness of reporting
- Data quality

Epicurve of Sector 3 suspected EVD cases



Sectorial approach SWOT analysis

Strengths	Weaknesses	Opportunities	Threats
Decentralisation/ Effective partner coordination	Incomplete data and missing laboratory samples	Capacity building	Sustainability
Enhanced community engagement (improve burial practices)	Limited logistical support to sector response team	Strengthening other aspects of response IPC, clinical care, Laboratory and Public health education	Stigmatization

Conclusion

- The Montserrado county EVD sectorial approach
 - Played an integral role in breaking the EVD chain of transmission
 - All cases and contacts identified
 - Decentralized and coordinated surveillance and response led to zero EVD confirmed cases in Liberia

Acknowledgement

- Nigeria Field Epidemiology and Laboratory Training Programme
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- Liberia Ministry of Health and Social work

Thank you!