Building resilient health systems: lessons from international, national and local emergency responses to the Ebola epidemic in Sierra Leone

Ebola Gbalo Research Group

Summary of findings, London March 2019

Njala team: Lawrence S Babawo, Tommy M Hanson,
Bashiru Koroma, Alfred Mokuwa, Esther Mokuwa, Paul
Richards, Ahmed Vandi

LSHTM team: Dina Balabanova, Johanna Hanefeld, Susannah H Mayhew, Melissa Parker





Objectives

- 1. To examine the **extent, nature, motivations and drivers of the policy response** to Ebola in Sierra Leone and their perceived effect;
- 2. To examine the level of **coordination**, **oversight and regulatory mechanisms** and their perceived effect on health systems;
- 3. To explore what actions were implemented at the district, why and how;
- 4. Determine the **local issues which shaped what happened** during the Ebola epidemic;
- 5. Develop **conclusions**, in the context of Sierra Leone, on what constitutes a **resilient health system** and how this may change in the face of an emergency;
- 6. Identify **lessons on how to respond to emergencies** without undermining existing health systems capacities and strengthening initiatives.





Mixed methods; multi-disciplinary research

- Review of key policy documents and guidelines at national and district levels.
- Key informant interviews at international, national, district and local levels.
- Ethnographic work including participant observation, unstructured interviews and informal group discussions.
- Interviews usually tape recorded and where necessary subsequently translated from Krio, Mende or Temne into English.
- Core themes were identified and analyzed inductively.

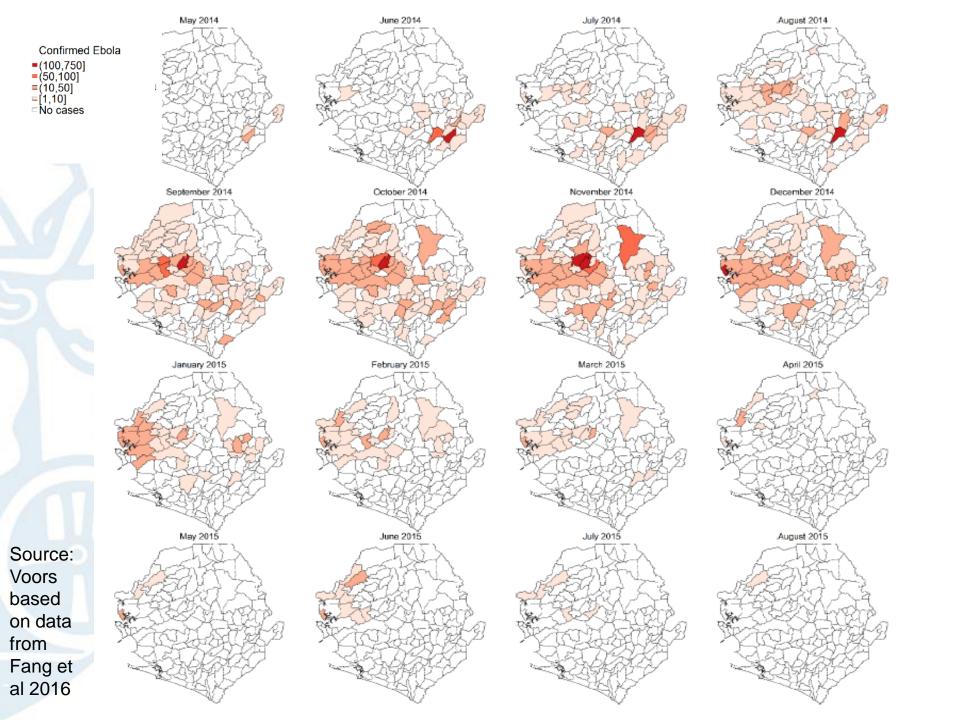








P.M.B. Freetown, Sierra Leone



March-April 2014 No official data

25th May Outbreak declared in Kailahun

March/April:

HW contacts pass on info from Kenema.

Bo DHMT on high alert; monthly mtgs on IPC; no resources to prepare Tx centres.

May Dist lab confirmed raises case reported L2mil in Bo

Communities hostile to Dist HW; EVD info believing it to be political manipulation

20th June: MSF Statement. Ebola Operations Centre (EOC)

estab in Freetown in WHO office

> Early June: Bo Dist Ebola Task Force (EOC) established

Moyamba: DHMT handling Ebola

Early infections hidden and home treated; widespread denial & hostility to HWs

Task forces estab at chiefdom level to bury and quarantine

July 2014:

Paramount Chief bylaws in Mobai in Kailahun; adopted nationally Aug

> outbreak, Kakua chiefdom Nurse actions stop spread outside HC. 17 from Kalia to Bo Hos ... then returned. Bo City

June: 1st & biggest

July: 2 major outbreaks:

DSO investigates.

Council alerted;

Kori; Kaiyamba

oma/
8th Aug:
Bylaws past
nationally

4th Aug: 750 SL

troops deployed to

set up quarantine

outbreaks
Increased District

Tikonko

July: Baoma/

30th July

National

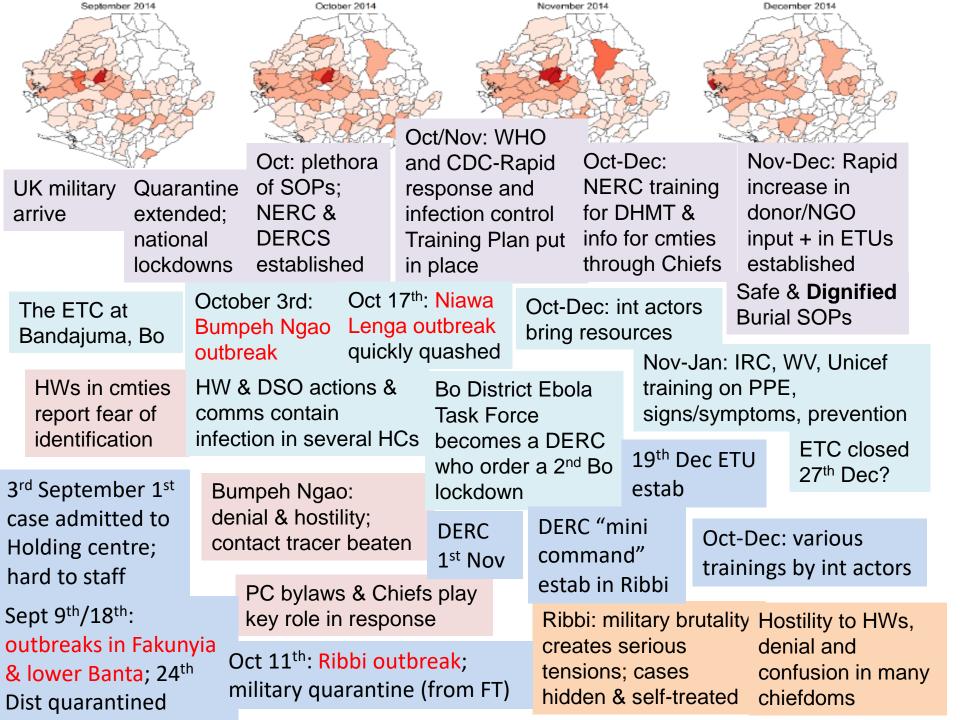
state of

emergency

response:
Kalia quarantined (42d);
1st lock-down: district-wide
Dist Hos as holding centre

Kalia: initial hostility, then cooperation but military quarantine = resentment

4th Aug: 1st case in Moy hos; Holding centre established; 1st lockdown in Moyamba



Interpretation

- Sub-District level (responding March/April 2014 on)
 - Variety of experiences incl hostility to formal responders; later in the epidemic, hostility is exacerbated in some areas by use of military, though in other areas military support for quarantine is requested by local leaders. In Ribbi (and elsewhere?) tensions between paramount chief, local chiefs and villages complicated the response.
 - Rapid learning about infection prevention and control by local leaders from past experience, personal observation and from formal response information.
- District level (responding March/April 2014 on)
 - DHMT and frontline staff responses pre-date national or international support
 - Word of mouth learning from frontline health workers and strong leadership in Bo enabled early coordination of actors and preparedness plans, including local fundraising, but insufficient to treat early outbreaks without external support

National level

- Early response in March-Oct 2014 (by MoHS and WHO) characterised by weak capacity, poor leadership, few resources;
- Formal coordinated response through NERC Oct 2014 on improved coordination of finances and activities and devt of SOPs (but late in the day for Bo/Moyamba)
- Competing donor/NGO interests hamper speedy coordination at all levels

What do we learn from analysis of response levels? (1)

- Village leaders and district authorities learned rapidly and successfully responded before the national/international guidelines or support reached them. BUT their experiences & learning were not taken into account at higher levels.
- Rapid learning was crucial to shaping outbreak progression and response in Bo and Moyamba, but lack of medical resources limited ability to hold and treat patients.
- > Emergency responses require immediate connection and support to local responders and must reward them for their learning.
- ➤ National/international responders must accept they do not always know best & must learn from experiences of frontline HWs.
- > Respectful and open-minded engagement and learning by all actors is essential to understand local conditions & appropriate responses.
- Early preparedness through leadership and coordination at local/district levels is important and should be supported not replaced.

What do we learn from analysis of response levels? (2)

- District level responses alone cannot tackle outbreaks like Ebola; without support and cooperation from village leaders responses will fail.
- Meaningful inclusion of local leaders in decisions about key aspects of treatment, care and burial is essential & national/international actors must be prepared to compromise to accommodate local practices
- District level responses, from development and use of communication material to building and running of holding and treatment centres, is hampered by slow flow of national/international resources.
- Rapid deployment of resources to frontlines even without national frameworks in place is necessary.
- > Decentralisation of resources and decision making asap is essential.
- Individual actions (through accident or intent) can spread or prevent new outbreaks;
- Need everyone, at all levels, to cooperate
- Closure and recovery support: still missing graves and information; no counselling, little support for survivors; no resources for follow-up.
- Epidemic doesn't end when cases stop; plans and resources for recovery are urgently needed ... Njala Museum & Archive is the national repository

Thank you!



