



GLOBAL TASK FORCE ON
CHOLERA CONTROL

CHOLERA: A BIG CHALLENGE FOR PUBLIC HEALTH EMERGENCY

Panel discussion on cholera mortality - GTFCC Case management meeting 5-6 November 2019



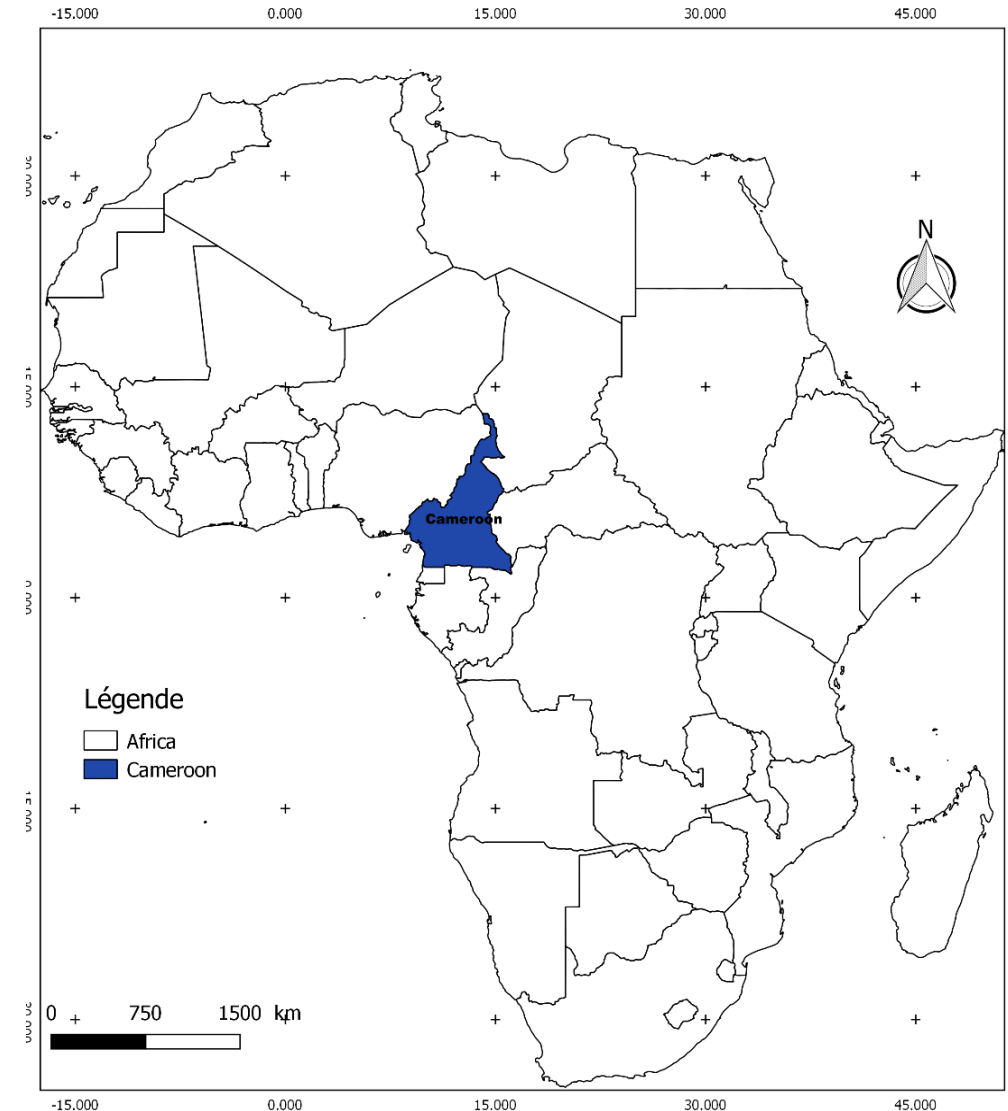
Overview of cholera in Cameroon, 2015-2019

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Disease , Epidemics and Pandemics*

Presentation of Cameroon (1/4)



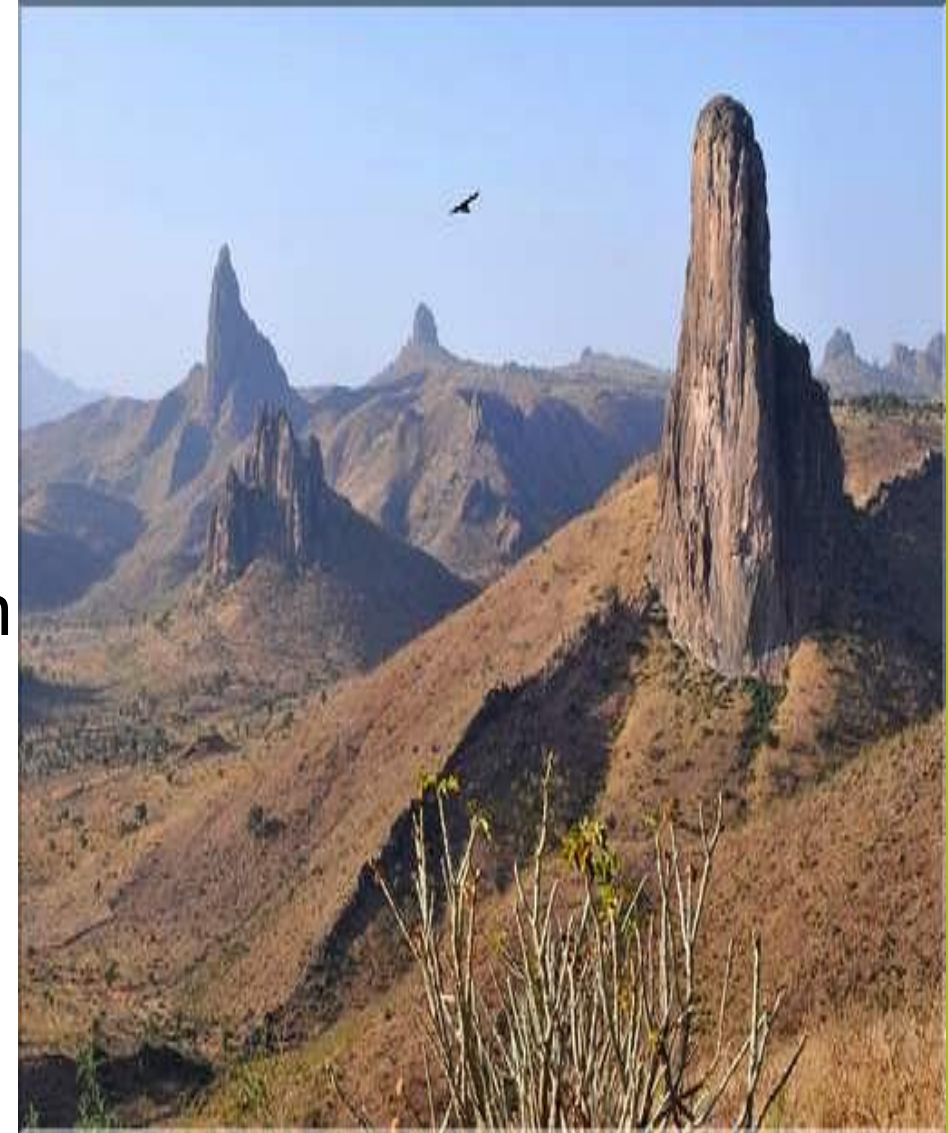
- ❑ Located in the lake Chad basin (central Africa) and under the influences of the Congo and Volta basins
- ❑ Contrasting relief (plateaus, unevenly uplands and plains)
- ❑ Three climatic zones (Equatorial, Sudanese and Sudano-Sahelian)



Presentation of Cameroon (2/4)



- ❑ Two hydrographic zones
- ❑ Adamawa plateau: Niger-Chad basin to north
- ❑ Atlantic and Congo basins to south
- ❑ It's Geographical and economical situation makes it vulnerable to
 - Infectious diseases
 - Neglected tropical diseases
 - Non communicable diseases

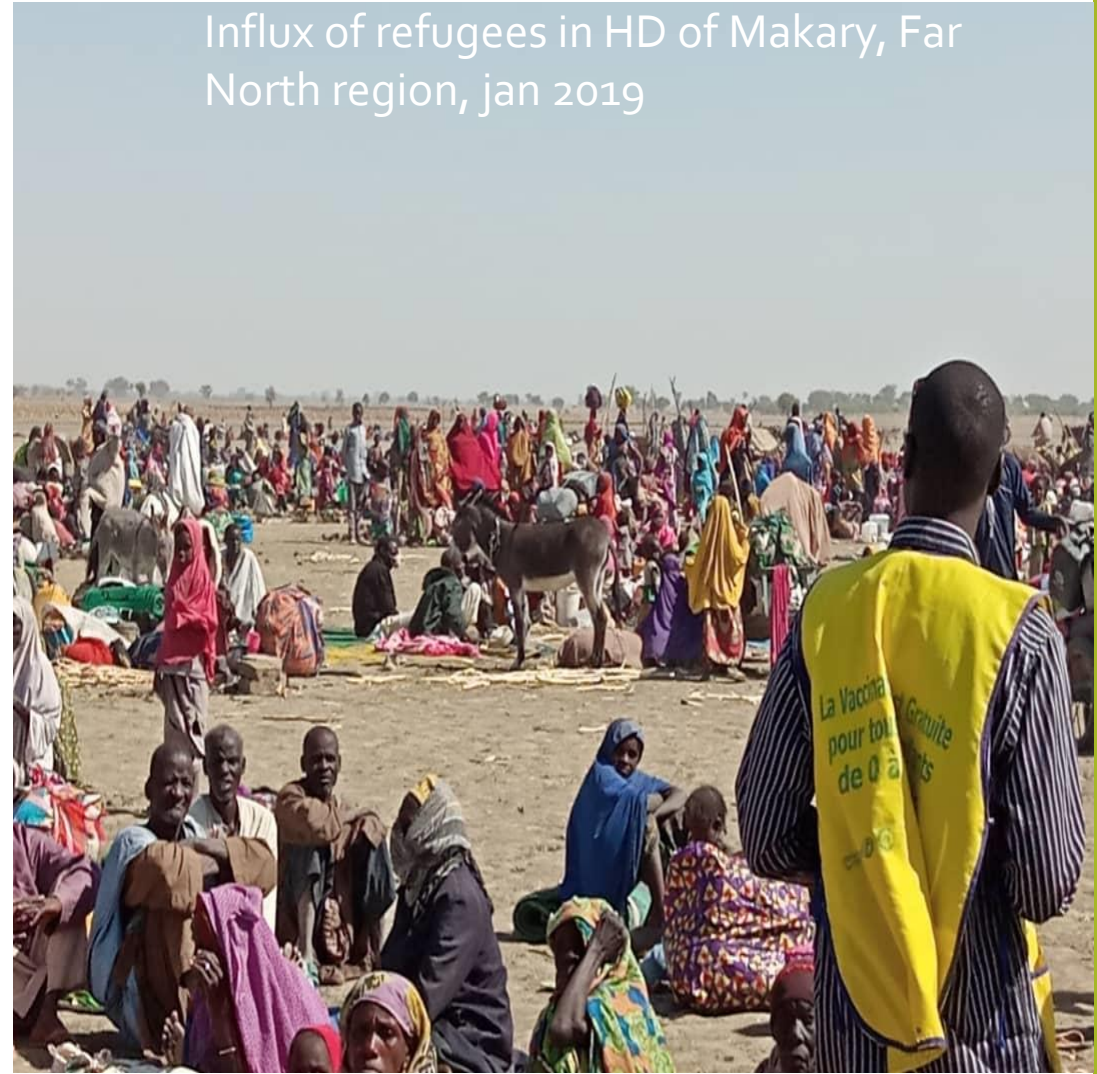


Presentation of Cameroon (3/4)



- ❑ Influx of refugees from neighbouring countries
- ❑ Security challenges in several regions (NW, SW, Far north)
- ❑ Internally displaced people

Influx of refugees in HD of Makary, Far North region, jan 2019

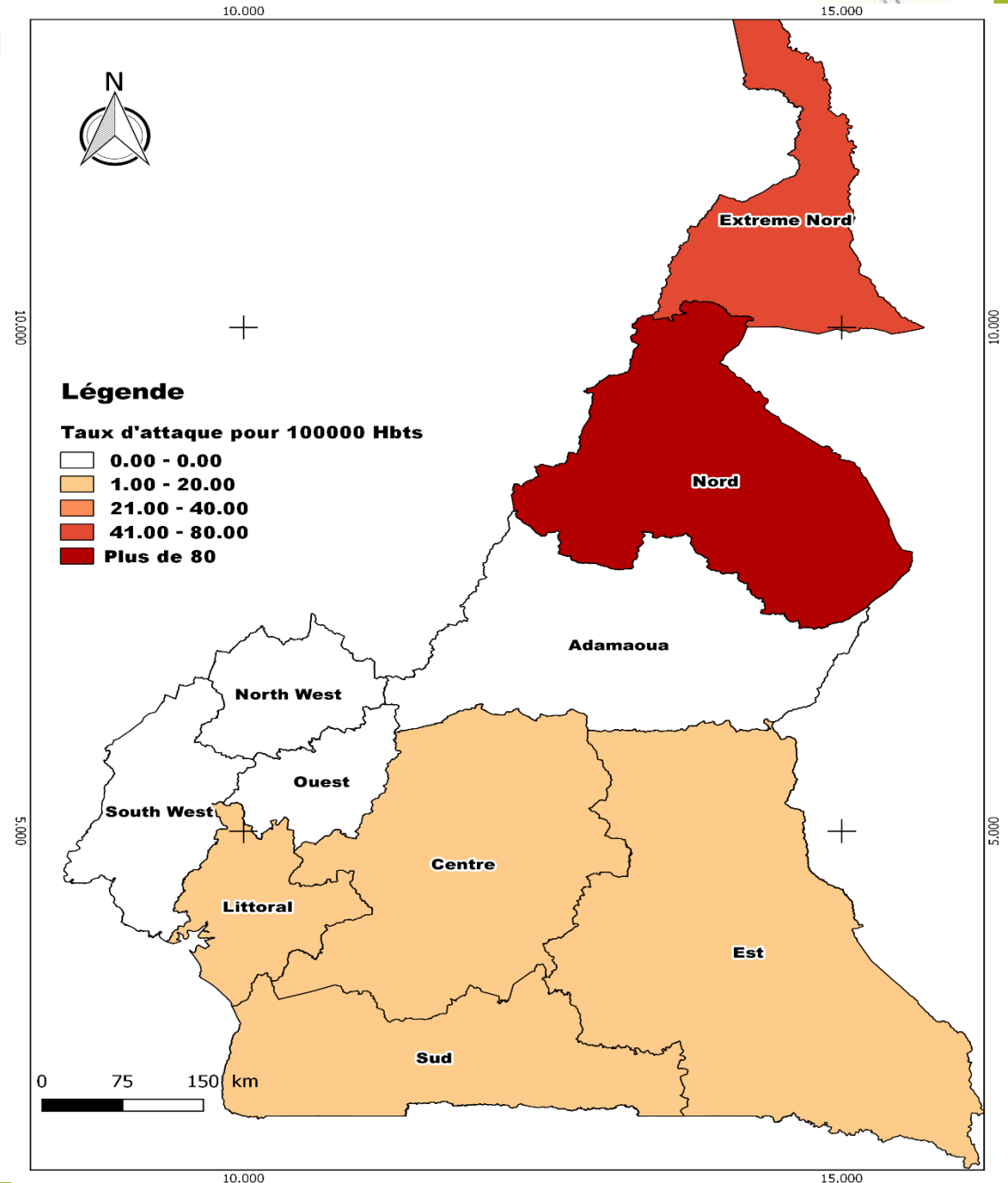


Cholera overview in Cameroon 2015-2019

| | Cases | Death | Case Fatality Rate |
|------|-------|-------|--------------------|
| 2015 | 123 | 6 | 4,9 |
| 2016 | 78 | 1 | 1 |
| 2017 | 0 | 0 | 0 |
| 2018 | 993 | 58 | 5.84 |
| 2019 | 741 | 33 | 4.45 |

Attack rate (per 100000)

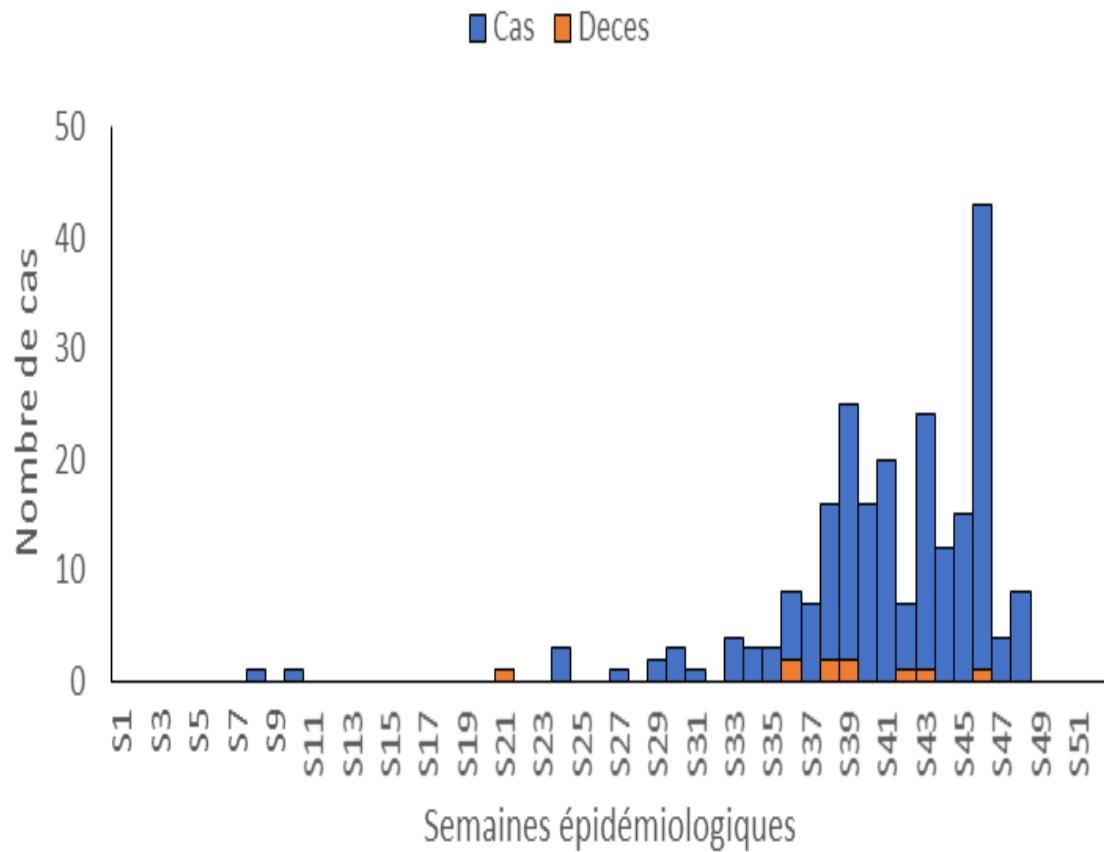
- ✓ North region: > 80
- ✓ Far North 41-80
- ✓ East, Central, Littoral and South regions: 1-20



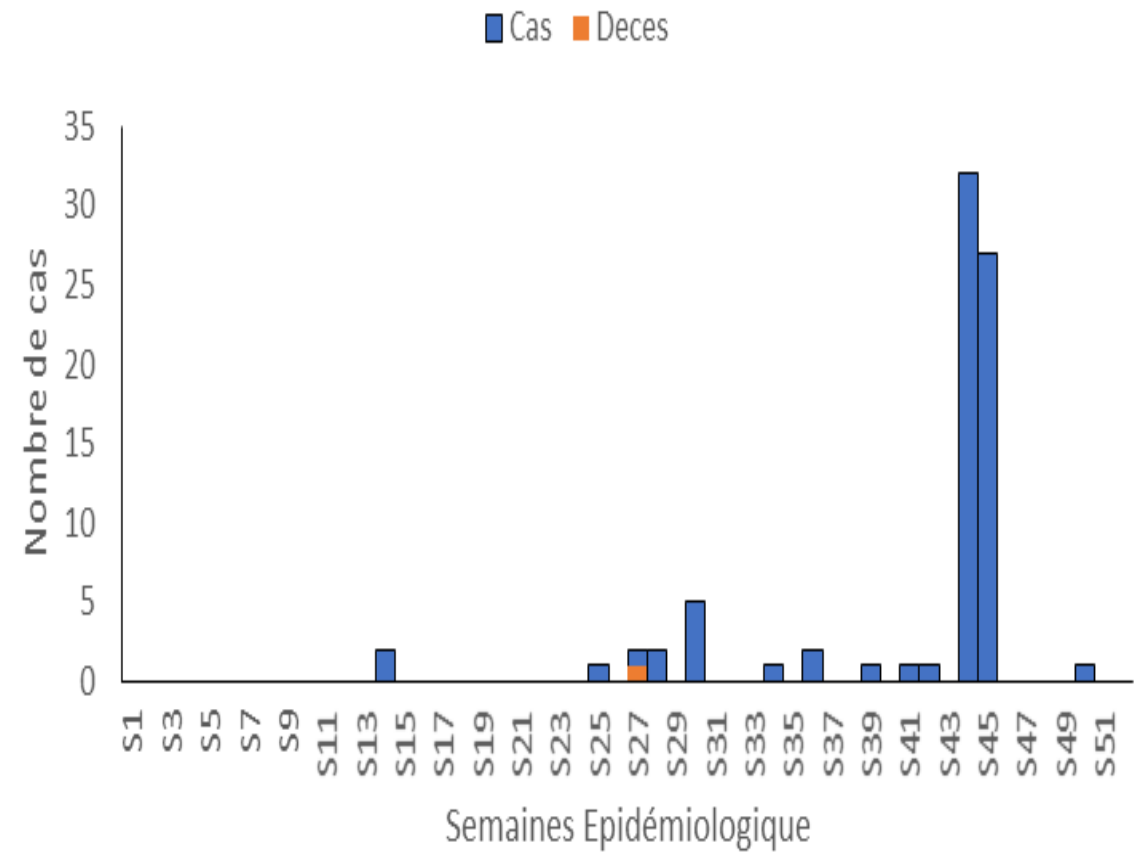
Cholera overview in Cameroon, 2015-2019



Cas et décès de choléra au Cameroun en 2015



Cas et Décès de choléra au Cameroun en 2016



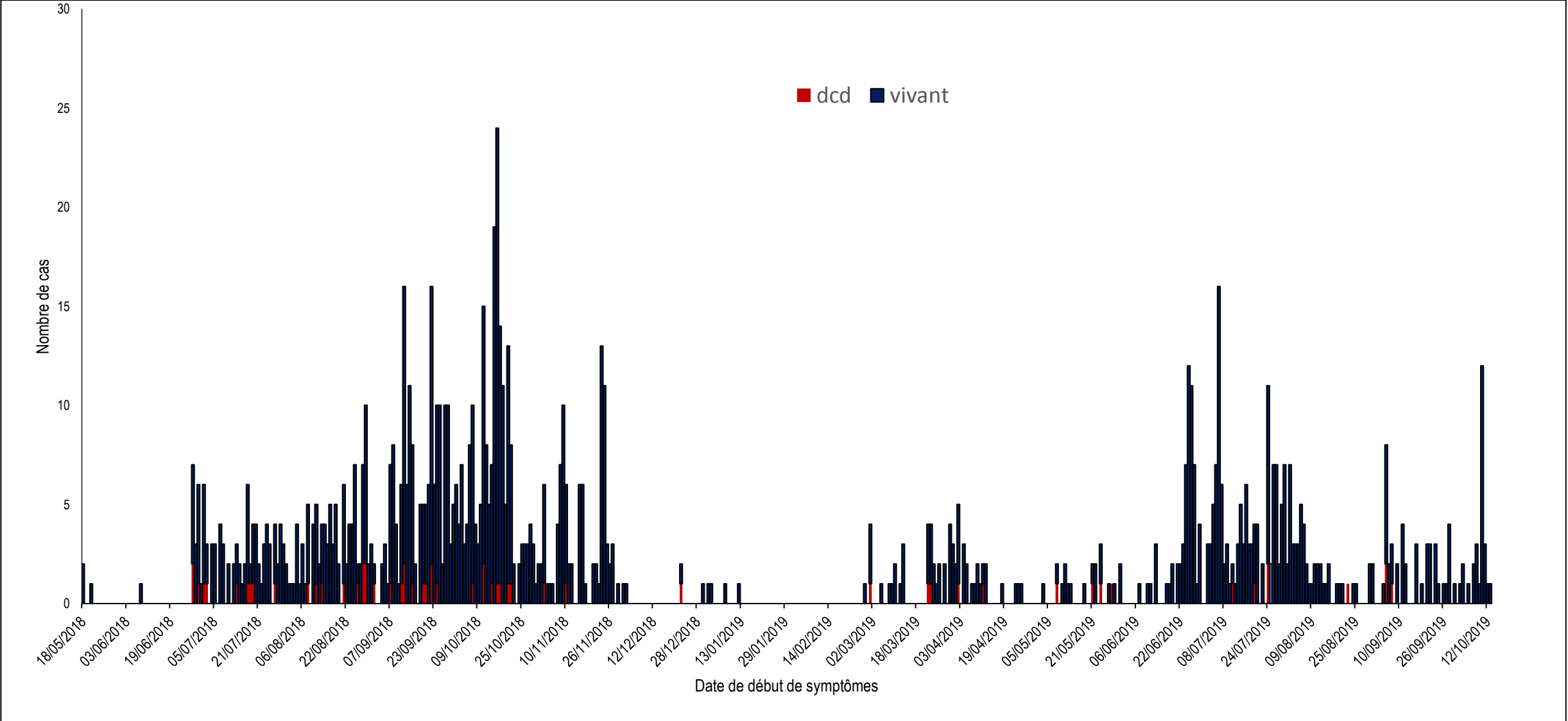
Cholera overview in Cameroon, 2015-2019 :

2018-2019 epidemic curve



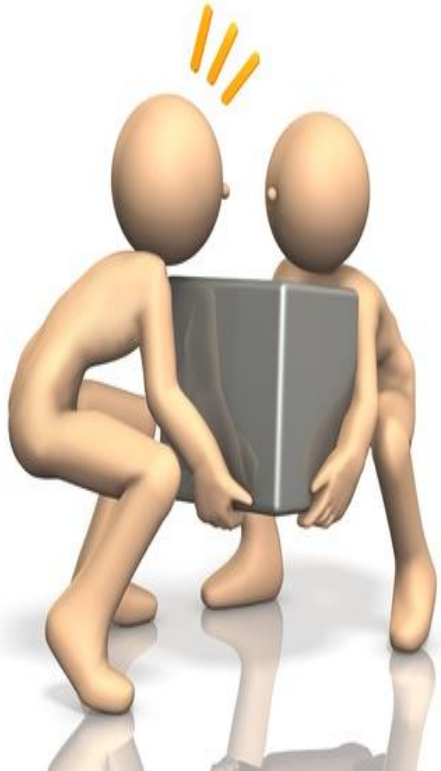
- Pending outbreak since the 18th of may 2018: 04 affected regions
- 2 regions still notify cases :NO et EN
- Since the begining of the outbreak :
 - 1720 notified cases (1086 No, 565 EN, 72 CE et 07 LT),
 - 198 confirmed cases
 - 90 deaths (60 NO, 29 EN, 1 CE)
 - Case fatality rate: 5.2%

Cholera overview in Cameroon, 2015-2019 : 2018-2019 epidemic curve



Case fatality rate analysis in Cameroon

- ❑ Most of the deaths occur in communities :
 - ❑ Late resort to health facilities
 - ❑ Security challenges in some areas
 - ❑ Poor coordination and monitoring and case control capacity
 - ❑ Low performances of community based surveillance



Accessibility of area affected by cholera



Case fatality rate analysis in Cameroon



- ❑ Inaccessibility of Many area facing cholera outbreaks
- ❑ Lack of resources
 - Human (quality and quantity)
 - Financial
 - Logistics (Center/unit care unit, supplies)



Poor



Centre de traitement de cholera à l'HR de Garoua



Prise en charge à l'air libre à cause de l'étroitesse de l'UTC



Case fatality rate analysis in Cameroon

- ❑ Socio-cultural behaviors and habits
- ❑ Delay of response activities due to
 - Inaccessibility of Many area facing cholera outbreaks
 - Lack of resources (financial, human and logistics)





C'est le quartier qui a produit le plus de cas dans le DS de Garoua 1₆



Sensibilisation communautaire sur les mesures de prévention contre le choléra autour de l'arbre à palabre par le CDS Kaélé. Bobovo. 02/09/2019



Désinfection de ménage par l'EIPR du district, Midjivin, 15/07/2019



Réorganisation de l'UTC de Midjivin par l'équipe d'Intervention, 14/07/2019



Prise en charge d'un cas de choléra à l'UTC, Midjivin 22/07/2019



We act to reduce the number of deaths related to cholera



- ❑ Implementation of IMS at both central and regional level
- ❑ Active surveillance for early detection (case research and contact tracing in case of an outbreak)
- ❑ Sensibilization in the community...
- ❑ Case management algorithm posted at hospital
- ❑ Implication of leaders in the response
- ❑ A one health approach
- ❑ Implementation of Emergency supply chain



► Sensitization of community health workers and volunteers by Red Cross



► Sensitization in neighbourhoods



► Sensitization by motobikers

► Sensitization in markets



Sensitization



► In a district hospital



► Using community medias and students



► Briefing on hand washing

Wash



➤ Briefing on hand washing in a community



➤ Disinfection of a household



➤ Briefing on hand washing in a school

➤ Disinfection of a motor bike after carrying a case



Logistics



► Intrans, EPI, matériel de désinfection ou roulant etc...

Ressources have been deployed on the field with the support of administrative authorities and financial and technical partners



► Cholera bed



► Medicines



► Personal protective equipment



► Sprayer



► Chlorine

Opportunities : Government and partners engagement



| Appui | Partenaires |
|------------------------------|--|
| Coordination | Autorités administratives, OMS, UNICEF, MSF, Plan, CARE, MINEDUB, MINESEC, MINCOM, MINEE, MINPROFF |
| Surveillance/ investigation | OMS, MSF, CENTRE PASTEUR DE GAROUA |
| Capacity building | OMS, UNICEF, MSF, Plan |
| Case management | MSF, OMS |
| Case transportation | MSF, Croix Rouge |
| Logistic | OMS, UNICEF, MSF, |
| Wash | UNICEF, MSF |
| Communication/ Sensitization | Autorités administratives, UNICEF, MINCOM, AP2D, Croix Rouge, UNOADD |



Way forward

- ❑ Adoption of the WHO Global Roadmap to end Cholera by 2030
- ❑ Transboundary meeting with Chad and Nigeria
- ❑ Implementation of event based surveillance in regions at risk of cholera

Thank you

Together we can
#endcholera



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