



GLOBAL TASK FORCE ON
CHOLERA CONTROL

PILOT OF THE REVISED GTFCC FRAMEWORK FOR THE
IDENTIFICATION OF PRIORITY AREAS FOR INTERVENTIONS
-DEMOCRATIC REPUBLIC OF THE CONGO-

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OUTLINE OF PRESENTATION

1. Method for hotspot identification in DRC (i.e., revised GTFCC Framework)
2. Outcomes of hotspot identification in DRC and next steps
3. Take on revised framework

CONTEXT - GTFCC PILOT

- Revision of the “GTFCC framework for the identification of priority areas for interventions (“cholera hotspots”) by the GTFCC hotspot subgroup
- **DRC pilot country** for the development of the revised framework to identify priority areas according to cholera impact (country where cholera transmission is high)
- With the support of GTFCC Secretariat and GTFCC hotspot subgroup, various indicators, scoring options, combination of scores were tested and compared to help develop a framework that would be based on 4 scored parameters
 - Incidence
 - Persistence
 - Death-related indicator (case fatality or mortality)
 - Laboratory confirmation

METHOD



SCOPE



Analysis period: 2017-2021



Health administrative units: Health zone (i.e., admin 2)

INDICATORS

- ❑ **Incidence** - suspected cholera cases per 100,000 person-years
 - ❑ **Mortality** - suspected cholera cases per 100,000 person-years
 - ❑ **Persistence** - percentage of weeks with at least one suspected case reported over the analysis period
- No laboratory indicator included in the analysis due to lack of representativeness of geographical coverage of laboratory confirmation and low testing rate

SCORING OF INDICATORS

- Scoring [0-3] based on indicators' distribution (i.e., country specific)

	0 point	1 point	2 points	3 points
Incidence	No case	[1 case - median[median - 80th percentile[[80th percentile - maximum]
Persistence	No case	[1 case - median[
Mortality	No death	[1 death - median[

INDEX CALCULATION

Index (per health zone) =

Incidence score + Mortality score + Persistence score

- Index range [0-9]

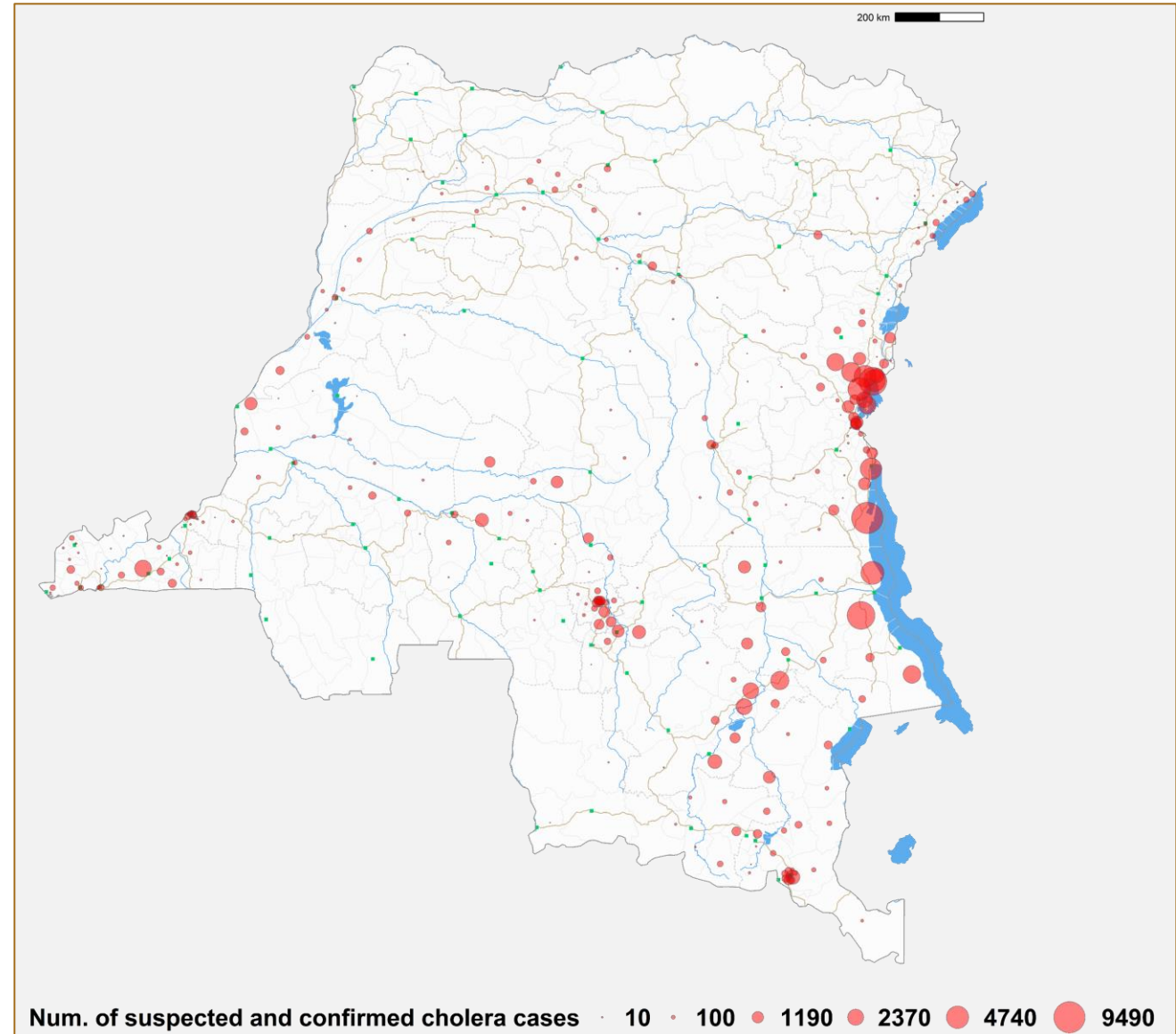
RESULTS



SURVEILLANCE DATA

- Period: 2017-2021
- 147,607 cases
- 3,201 deaths
- CFR: 2.1%
- Health zones affected:
306 out of 519 (59%)

Number of cholera cases



INDEX RESULTS

Index values	Health zone (HZ) selected		Estimated population in selected HZs		Suspected cholera cases		Suspected cholera deaths	
	Number	Cumulative %	Sum	Cumulative %	Number	Cumulative %	Number	Cumulative %
9	19	4	4,595,894	4	41,226	28	983	31
8	27	9	6,414,088	10	41,025	56	677	52
7	37	16	9,702,095	19	41,258	84	656	72
6	36	23	7,604,815	26	11,530	91	395	85
5	23	27	4,949,225	31	5,497	95	139	89
4	37	34	8,474,472	39	5,039	99	216	96
3	67	47	14,754,174	53	1723	100	139	100
2	60	59	10,976,380	63	439	100	0	.
0	213	100	40,186,795	100	0	100	0	100

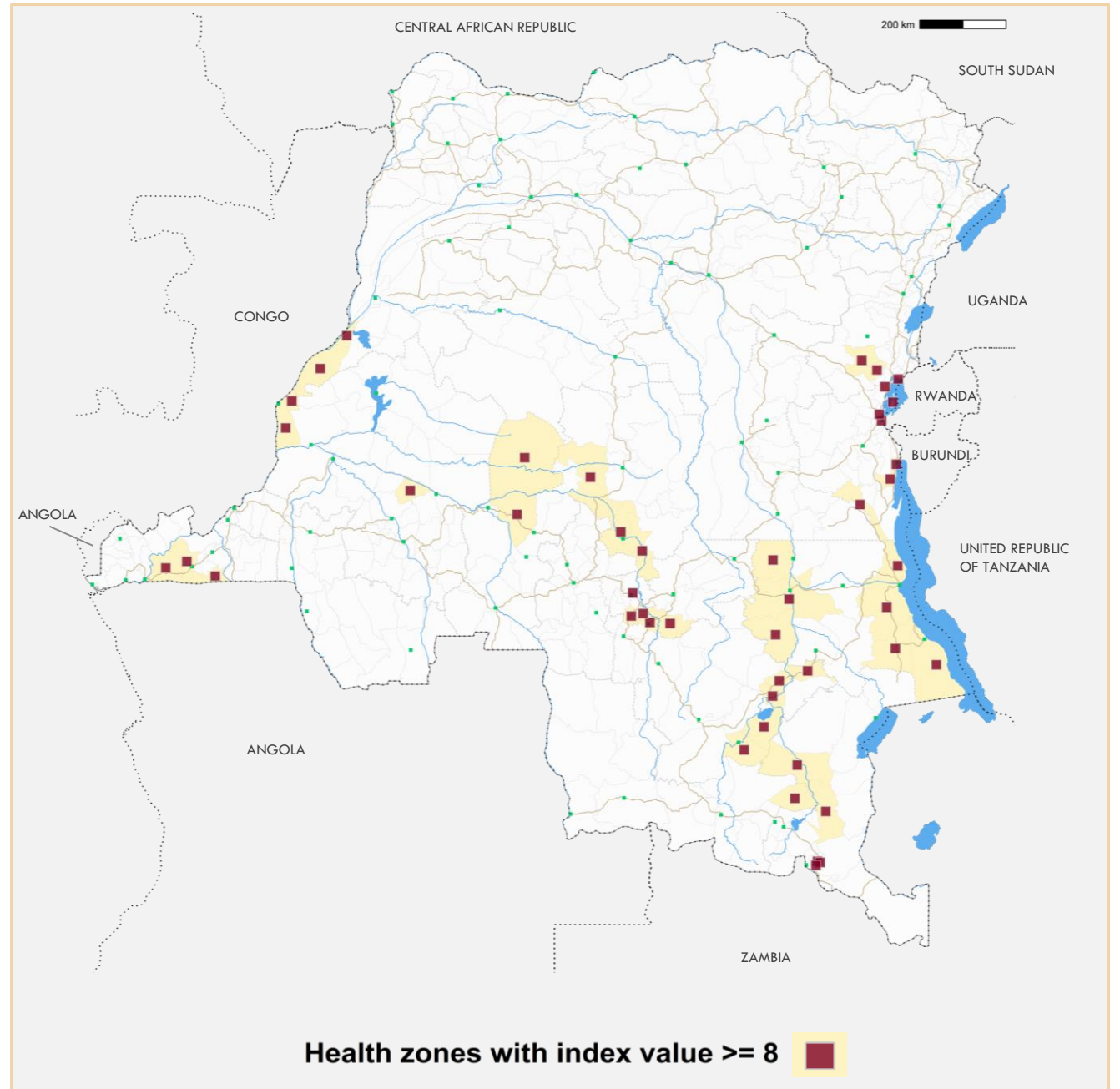
INDEX RESULTS THRESHOLD, INDEX \geq 8

- Selection of threshold is country specific

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PRIORITY AREAS

Index ≥ 8



NEXT STEPS

- Discussion of outcomes at workshop
- Situational analysis to support NCP development

TAKE ON REVISED FRAMEWORK |

TAKE ON REVISED FRAMEWORK

- **Simple** index based on annual epidemiological indicators
- Inclusion of **indicators on confirmed cases** would require good geographical coverage and effort in testing (might be a challenge in most countries in short term)
- Lack of guidance for following step in NCP development framework (**situational analysis**), including for surveillance pillar (area of future work for GTFCC?)



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THANK YOU |