Cholera surveillance



# for health authorities

# Module 6

# AL TASK FORCE ON DERACONTROL

# Cholera surveillance for health authorities



# Supporting material

### What will you learn?



# GTFCC App

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Photo adapted from: WHO / Genna Print

### GTFCC App



- Phone-based application for health professionals
- **Free** of charge
- Compatible with Android and iOS
- Can be used offline
- Summary guidance and practical tools including:
  - Surveillance
  - Testing



https://www.gtfcc.org/cholera-app/

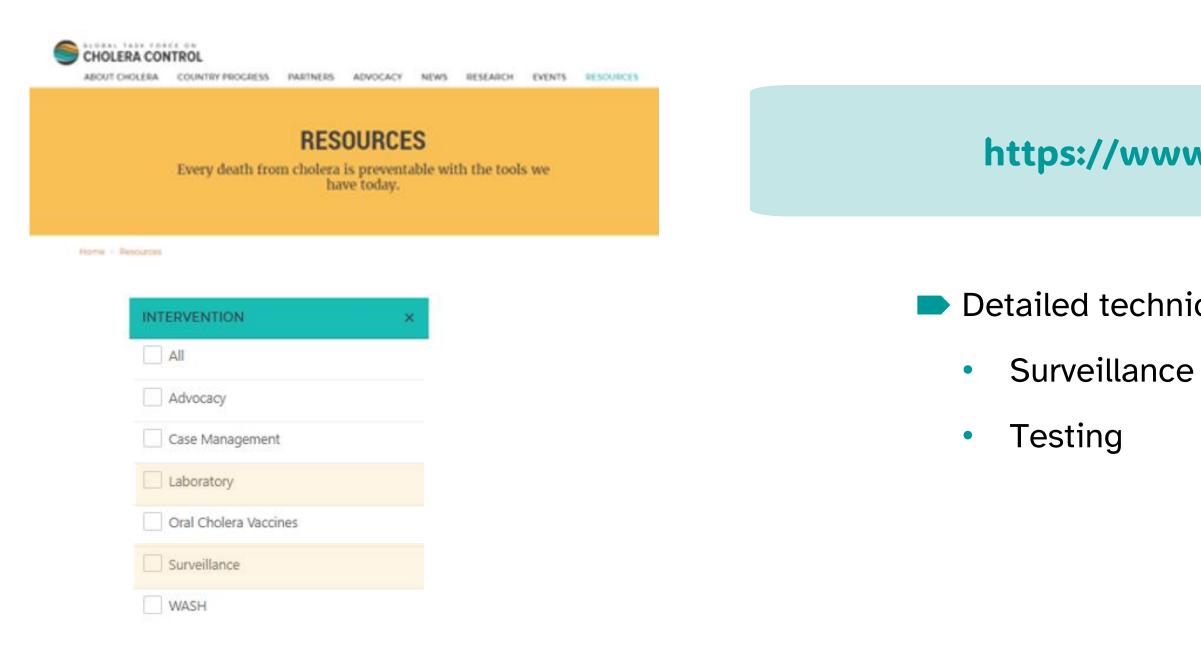
# GTFCC website





Photo adapted from: WHO / Andrew Esiebo

#### GTFCC website – Resources tab



#### https://www.gtfcc.org/resources

Detailed technical guidance including on:

## Cholera surveillance

#### **Technical guidance**

Detailed technical guidance on cholera surveillance

#### **Public health** surveillance for cholera

**Guidance Document** 2024





Standard method for countries to self-assess cholera surveillance system/strategy

https://tinyurl.com/CholeraSurveillance

#### **Assessment of surveillance**

#### Assessment of cholera surveillance

Interim Guidance Document 2024





# Reporting tools

#### **Case report form**

General information									
Date of reporting by the health facility: [_Y_][_Y_][_Y_]- [_M_][_M_] - [_D_][_D_]									
Name of the report	ing health facility:								
	1. Patient	information							
Unique patient ide	ntifier								
First name(s) of the	e patient								
Last name(s) of the	patient								
Age of the patient ( [if the patient is unde		years							
Patient's sex at birt	h	Female Male							
	Admin level 1 [e.g., region or province of residence of the patient]								
	Admin level 2 [e.g., district of residence of the patient]								
Place of residence	Admin level 3 [e.g., health area or commune of residence of the patient]								
	Admin level 4 [e.g., ward, municipal sector or village of residence of the case]								
	Address of residence [neighbourhood, street, house]								

Last name	Age (in years)	Date of symptom onset	Hospitalization	Level of dehydration		
LASTNAME	AGE	DATEOFONSET	HOSPITALIZATION	DEHYDRATION		
mmmm	22	2023-01-01	Inpatient	Unknown		
0000	35	2023-01-01	Inpatient	Severe dehydration		
nnnnn	7	2023-01-02	Inpatient	Some dehydration		
ppppp	45	2023-01-02	Inpatient	Severe dehydration		
qqqqq	46	2023-01-03	Outpatient	Some dehydration		
rrrr	0	2023-01-03	Inpatient	Severe dehydration		
SSSS	17	2023-01-03	Outpatient	Some dehydration		
ttttt	13	2023-01-03	Inpatient	Some dehydration		
uuuuu	33	2023-01-04	Inpatient	Some dehydration		
vvvvv	19	2023-01-10	Inpatient	Some dehydration		
wwww	52	2023-01-15	Inpatient	Some dehydration		
уууу	20	2023-01-21	Inpatient	Severe dehydration		

**Excel linelist** 

#### For health facility-based surveillance

Form and linelist include same variables

Convenient for use when number of cases is low



Convenient for use when number of cases is higher



#### **Community-based reporting form**

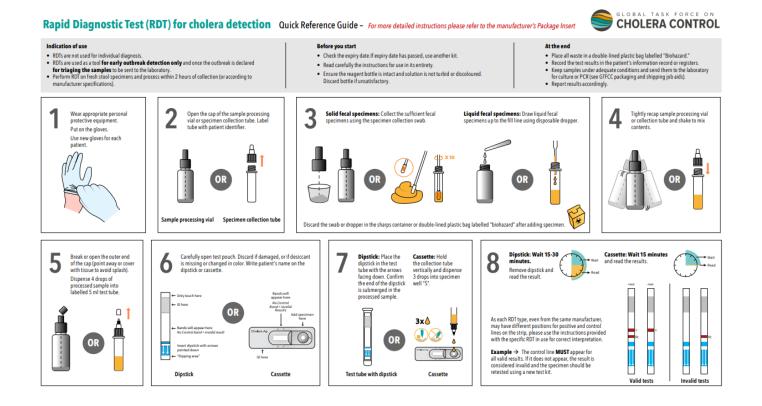
		Number of suspected cholera cases per day									Number of community cholera deaths per day										Number of suspected				
Date (YYYY-MM-DD)	Male Age groups								nale group:	s			Male Female Age groups Age groups					cholera cases referred to health facilities per day							
	<2	[2-4]	[5-14]	[15-44	[45-59	] ≥60	<2	[2-4]	[5-14]	[15- 44]	[45- 59]	≥60	<2	[2-4]	[5-14]	[15-44]	[45-59]	≥60	<2	[2-4]	[5-14]	[15-44]	[45-59]	≥60	· · · · · · · · · · · · · · · · · · ·
Total																									
	If no suspected cholera cases or community									chole	era de	aths	were	detec	ted o	n a gi	ven d	ate, r	nark '	"0".					

#### For community-based surveillance



### Testing

#### **RDT** - Job aid





#### **Referral form for testing**



#### **GTFCC Laboratory Referral Form for Cholera Suspected Case**

The referring health worker is to complete this form and send a copy to the laboratory with the specimen (one form per specimen sent).

Please attach a copy of the Admission and Triage Form (Appendix 12 of the Cholera Outbreak Manual).

For specific instructions for packaging and transportation please refer to Specimen Packaging and Domestic Transportation for Laboratory Confirmation of Vibrio cholerae 01/0139.

#### Request made by ----

Name of health facility (or stamp or health facility identifi	er)
DD MM YYYY	
Date of request: / /	
Name of referring health worker:	
Address:	
Phone:	E-mail:
Request made for	
Laboratory identification of Cholera Antimicrobi	al Susceptibility Testing 🔲 Other, specify

Specimen ID: Date and time of collection: Location specimen collected:		
Type of specimen collected: □ Stool □ Rectal swab □ Other, specify: Blood observed in stool: □ Yes □ No		
Appearance of specimen: 🗖 Formed 📄 Soft 📄 Watery 📄 Bloody-mucus		
Conditioning of stool sample <sup>1</sup> : Stool in container (no added reagents) in Cary E	 	

DD MM YYYY Date specimen sent to referral laboratory: \_\_\_\_/ \_\_\_/ \_\_\_\_/

If date of specimen collection and date specimen sent are different, how was the specimen stored (media, temperature)? ...

Was an RDT performed on the same specimen? INO Yes, specify: Enriched RDT Direct RDT Result: Positive Negative Indeterminate

Name of RDT kit used:

1 To be sent at ambient temperature (ideally 22-25\*C). Do not refrigerate



Нои	ır	Minu	te
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Water (APW)

#### Handling samples

#### **Specimen Packaging and Domestic Transportation** for Laboratory Confirmation of Vibrio cholerae 01/0139



#### FAECAL SPECIMENS CONDITIONING: 4 possible options se gloves and lab coat when handling samples at all times pecimen Label: Carefully identify spe ab Form: Use Annex 28 - IDSR case-b reporting form Faecal Specimen in Stool Container Wet and Dry Filter Paper Cary Blair medium, Faecal Sample or Rectal Swab APW (alkaline peptone water m $\square$ Transfer faecal material Keep in initial stool conta and transfer into Cary Blair medi initial container into APW tube. Rectal swab: Place swab directly into Ca NOTE: The faecal material should not exceed 10% of the volume of Blair. No further manipu **DRY FILTER PAPER (DFP)** ne drop of watery s iompatibility with testing methods (either directly from sample or after incubation steps in APW for those marked with \*). WFP: culture, molecular analysis, RDT Culture, molecular analysis\* and RDT\* RDT, culture, molecular analy RDT, culture, molecular DFP: mo MATERIAL REQUIRED terile), saline solution, forceps o needle, 2ml tube (screw cap) Stool container (plastic, screw cap, 30ml, without disinfectant APW, tubes with screw cap, transfer pipettes or swabs Cary Blair (semi-solid, bottle/tube), swab (sterile, cotton/polyester) FP: Whatman cards (903 protein sav Elute Micro Cards), disposable sinettes, individual pouches, desicca Parafilm or sealing tape to seal packages and prevent leakage (not required for dry filter paper). CONSERVATION Ambient temperature (ideally 22-25°C). Do not refrigerate. Keep stool container out of direct sunlight. 2 hours max. If delay >2h, use Cary Blai WFP: ideally less than 15 days DFP: no limitation Follow manufacturer's instructions, on average 7 days Less than 24 hours DOMESTIC TRANSPORTATION (national shipment, by road) te use of triple packaging with UN3373 labels are require Iternatives are shown on the left. amples must travel with corres ady been performed, such as RDT results. Do not ame of the organism on the outside of the package, the paperwork inside the box where appropriat MPORTANT: indicate complete address and phone ider and recipient. Inform recipient labo oming arrival of samples. Ø UN 3373 RANSPORT AT AMBIENT TEMPERATURE



## Trainings on testing

#### Trainings on sample collection and testing for cholera







### Investigation & response

#### **Case investigation form**

#### **Standard questionnaire**

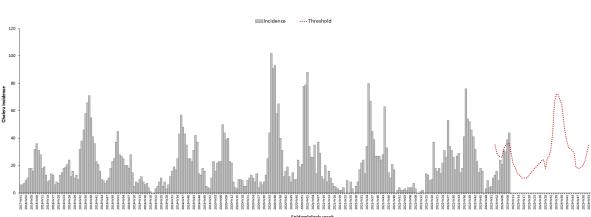
#### **Excel tool to detect the** deterioration of an outbreak

Automatizes calculations of weekly baseline thresholds



Unknow







#### https://tinyurl.com/CholeraSurveillance

#### **Field manual**

#### Guidance for **field investigation** and response to an outbreak



spread of the disease. It should be comprehensive and multisectoral including: epidemiology, case management, water, sanitation and hygiene (WaSH), logistics, community engagement and risk communication. All efforts must be well coordinated to ensure a rapid and effective response across sectors.

organize the response. It includes a short section linking outbreak response to both preparedness and long-term prevention activities.

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# Regional & global reporting

#### **Recommendations**

Standard aggregate datasets for weekly **reporting** to the regional and global levels

> Cholera reporting to the regional and global levels

Interim recommendations

2025







https://tinyurl.com/CholeraSurveillance

#### **Reporting tool**

# Excel tool for reporting the recommended



Cholera Weekly Re

#### INSTRUCTIONS

Before you start using this tool, dowload and save the file on your computer.

The file may open in "Protected View" with a message in a yellow message bar that says "Be careful - files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View". Protected View is a read-only mode where most editing functions are disabled. To exit Protected View so that you can edit or save the file, click "Enable editing" on the yellow message bar.

This file is filled in with fictitious data. Before starting working with your own data, delete the existing data in the relevant columns as follows

- i) Select the cells with data that need to be deleted
- ii) Press Ctrl + spacebar to select the entire column.
- iii) Press Delete to clear the conten

#### 1. Dataset Selection and Purpose

This tool is designed to capture weekly cholera reporting from countries to regional and global levels. There are two different datas available for reporting, depending on the country's capacity and available data

i) Preferred Dataset: For countries that can provide more detailed information on cholera cases, including testing and age breakdown ii) Minimum Dataset: For countries with more limited reporting capacities, providing essential information.

Countries are expected to use only one dataset, either the Preferred or the Minimum Dataset, based on their capacity. Do not use both datasets simultaneously

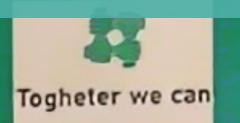
#### 2. Fill in Parameters (Applicable to Both Datasets)

Country (country):			
Enter the full name of the reporting country.			
Example: Fictionland			
Format: Text			
<b>READ ME</b> Preferred Weekly Dataset	Minimum Weekly Dataset	List of Units	(+)
	j_butubet	2.0000101.000	Ū





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No more cholera



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I'm engaged

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Join us

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Together we are stronger

10

ENGA

Cholera 510

Let's do it

#### PRÉSIDENT DE LA REPUBLIQU INATION DU CHOLERA D'ICI 2030

Come with me (

B

Join us

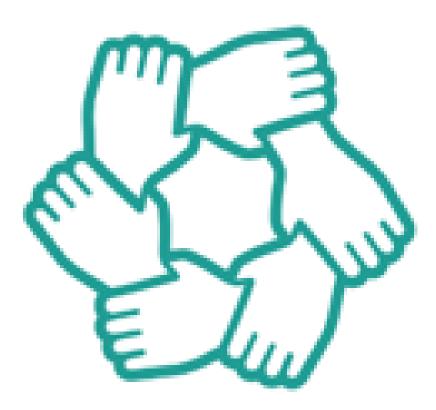
Photo adapted from: MOH Cameroon Ngomba

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Rejoins-mol

#### GTFCC network

#### The GTFCC and its network of partners is here to support you



#### For any question or technical assistance, contact the GTFCC Secretariat



**GTFCCsecretariat@who.int** 

# Together we can #Endcholera



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