



WHO Cholera kits 2020 INFORMATION NOTE

PROCUREMENT

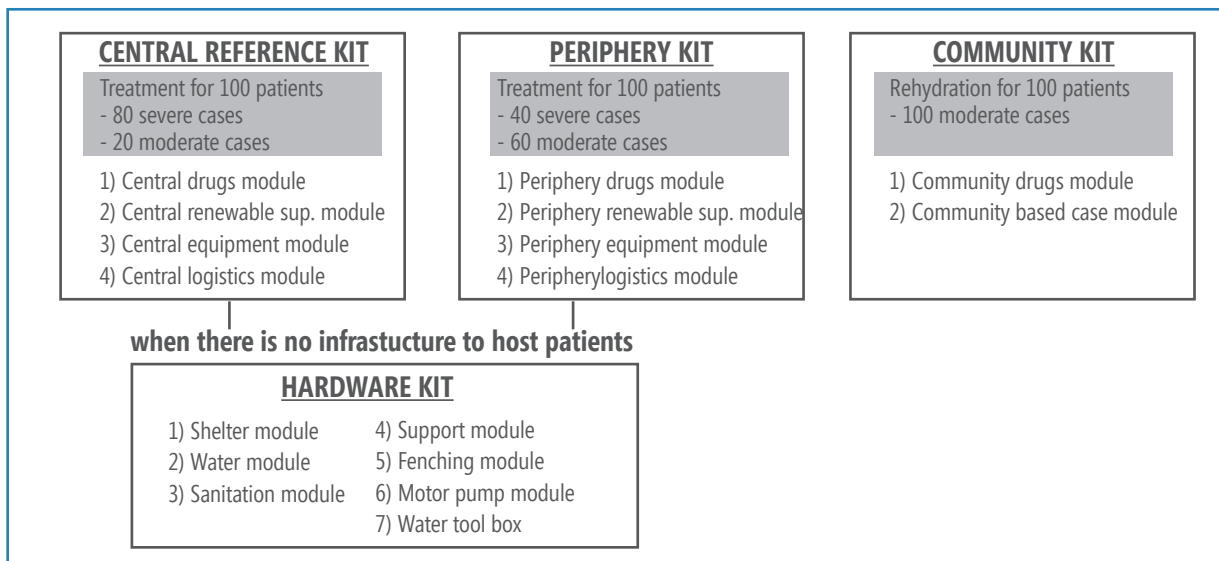


SCOPE OF CHOLERA KITS

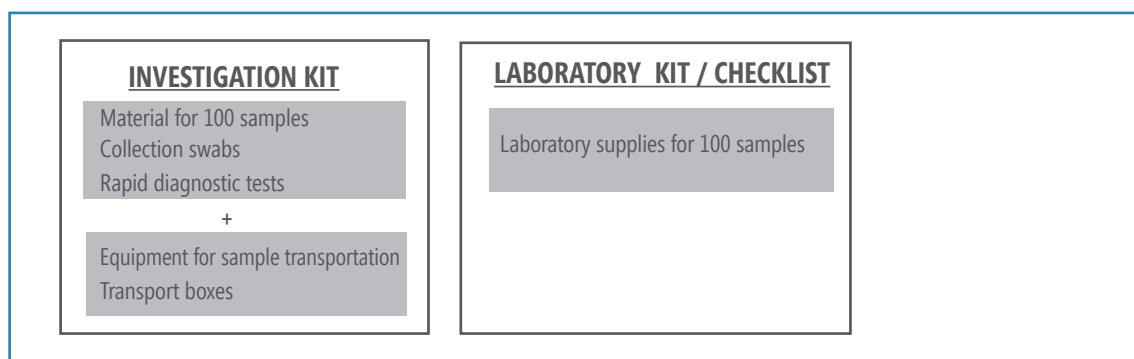
The revised cholera kits 2020 are designed to help prepare for a potential cholera outbreak and to support the first month of the initial response. Each treatment kit is designed for 100 patients. The overall package consists of six different kits, each divided in several modules.

Please note that related information resources and training materials are available in the included USB thumb drive.

- 3 kits are designed for the treatment of cholera patients at the central, peripheral and community levels.
- 1 kit, called "Hardware kit", provides the necessary material to set-up a provisional structure for patient care when no existing structure is in place
- 2 kits include the equipment needed for the investigation of cholera outbreaks / alerts and for the laboratory confirmation of suspected cholera cases



INITIAL RESPONSE



ALERT / SURVEILLANCE



STRUCTURE AND CONTENT OF THE CHOLERA KITS 2020

The Cholera kits 2020 contains 6 different kits with several modules as followed:

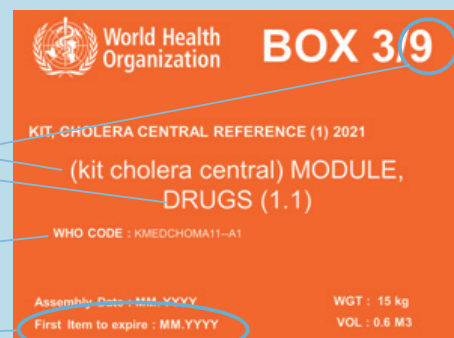
CHOLERA KITS 2020	
KMEDCHOKA1---A1	KIT, CHOLERA CENTRAL REFERENCE (1), complete
KMEDCHOMA11--A1	(kit cholera central) MODULE, DRUGS (1.1)
KMEDCHOMA12--A1	(kit cholera central) MODULE, RENEWABLE SUPPLIES (1.2)
KMEDCHOMA13--A1	(kit cholera central) MODULE, EQUIPMENT (1.3)
KMEDCHOMA14--A1	(kit cholera central) MODULE, LOGISTIC (1.4)
KMEDCHOKA2---A1	KIT, CHOLERA PERIPHERY (2), complete
KMEDCHOMA21--A1	(kit cholera periphery) MODULE, DRUGS (2.1)
KMEDCHOMA22--A1	(kit cholera periphery) MODULE, RENEWABLE SUPPLIES (2.2)
KMEDCHOMA23--A1	(kit cholera periphery) MODULE, EQUIPMENT (2.3)
KMEDCHOMA24--A1	(kit cholera periphery) MODULE, LOGISTIC (2.4)
KMEDCHOKA3---A1	KIT, CHOLERA COMMUNITY (3), complete
KMEDCHOMA31--A1	(kit cholera community) MODULE, DRUGS (3.1)
KMEDCHOMA32--A1	(kit cholera community) MODULE, ORP COMMUNITY BASED CARE (3.2)
KMEDMGLU300TLA1	MODULE, GLUCOMETER, 300 test & lancets *
KMEDCHOKA420-A1	KIT, CHOLERA LABORATORY (4), 100 samples, complete (2020) *
KMEDCHOKA5---A1	KIT, CHOLERA INVESTIGATION (5), complete
KMEDCHOKA6---A1	KIT, CHOLERA HARDWARE (6), complete
KMEDCHOMA61--A1	(kit cholera hardware) MODULE, SHELTER (6.1)
KMEDCHOMA62--A1	(kit cholera hardware) MODULE, WATER (6.2)
KMEDCHOMA63--A1	(kit cholera hardware) MODULE, SANITATION (6.3)
KMEDCHOMA64--A1	(kit cholera hardware) MODULE, SUPPORT (6.4)
KMEDCHOMA65--A1	(kit cholera hardware) MODULE, FENCING (6.5)
KMEDCHOMA66--A1	(kit cholera hardware) MODULE, MOTOR PUMP (6.6) *
KMEDCHOMA67--A1	(kit cholera hardware) MODULE, WATER TOOL BOX, BASIC (6.7) *

* In RED the modules 2020 with changes /new modules

Kit label

The kit label color is "orange" for the cholera kit.
You find a lot of information on the label such as :

- Which cholera kit. In the example "Cholera central kit"
- Which module. In the example "module drug 1.1"
- How many boxes constitute this module (not the kit).
In the example "9 boxes"
- The WHO code of the module (not the kit)
- The first item to expire in the module, and it should be in the box#1.
In fact, box#1 always contains the short shelf life.





CHANGES MADE IN THE NEW CHOLERA KITS 2021

KIT, CHOLERA CENTRAL REFERENCE (1), complete

KIT, CHOLERA PERIPHERY (2), complete

KIT, CHOLERA COMMUNITY (3), complete

Minor adjustments were made to round up quantities, no addition or removal of items in these 3 kits.

The module document is now included on a flash drive located in the box#1 of the module drugs of each kit.



Note that the Cholera central kit drug modules **also contain glucose 50% and potassium chloride** which should only be administered under medical supervision. Be aware that the IV fluids are palletized separately. You will have two full pallets for module 1.1 and 1 pallet for module 2.1. Please follow the label numbers (e.g. Box 2/9)

GLUCOMETER MODULE 300 tests & lancets

Glucometer, strips and lancets are now separated. This glucometer module is the smallest unit containing one glucometer, 300 glucose strips, 300 lancets 28G and one pen device for the lancets. As all modules are stand alone, countries can request any quantity depending on the need.



It means that the glucometer and the related devices are no longer spread through the different modules but combined together in that one specific module.

KIT, CHOLERA LABORATORY (4), 100 samples, complete

The word "checklist" was removed as it is a fixed kit with items to support the laboratory analysis (culture and antibiotic resistance testing) of 100 samples. The content of the laboratory kit was completely revised by the Global Task Force on Cholera Control Laboratory working group.

KIT, CHOLERA INVESTIGATION (5), complete

The only change to the investigation kit was the addition of a second box of RDTs. WHO recommends that RDT positive samples be sent for culture so it makes sense to have more RDTs than culture transport medium. Job aids were developed in French and English available on the website under Cholera kits 2020 technical information (<https://www.who.int/emergencies/emergency-health-kits/revised-cholera-kits>)



Note that a simpler kit exists for stool sampling:(Kit Field Sample Collection) MODULE, COLLECTION OF STOOLS SAMPLES (5)

KIT, CHOLERA HARDWARE (6), complete

No changes in the existing modules : Shelter, water, sanitation, support and fencing. Two modules were added: a motor pump with accessories and a water tool box basic. Each module is stand alone and could be purchase separately.



Note that the water pump could be use in any type of emergency, not only for cholera outbreak.



HOW TO ORDER THE CHOLERA KITS 2020

As of September 2022, it will no longer be possible to order complete kits (central, peripheral and community) in one click. Requesters need to choose modules separately, according to their needs. The quantity of modules needed may vary within the same kit

KIT, CHOLERA CENTRAL REFERENCE (1), and **KIT, CHOLERA PERIPHERY (2)**, are to be used in an existing health structure or temporary site such as a referral hospital or Cholera Treatment Center (CTC) or a cholera treatment unit (CTU) set up in tents. The kits do not include materials such as tables and chairs and it is likely that additional cholera beds will need to be made locally or ordered separately.

KIT, CHOLERA COMMUNITY (3), is adapted to all settings and can be used in an existing structure or independently to close to the community. The kit includes a water filter to ensure that ORS is made with clean water. The kit does not include any provisions for sanitation, so should ideally be used close to where there is a latrine or a latrine can be build nearby. It can be monitored by trained community members. It is designed to support decentralised access to ORS in the community for a maximum of 40 patients maximum per day.



Note that all the medicines in the module drugs are available in the WHO e-catalogue in case there is a need to order additional quantities or the complete set of medicines is not needed. This is also valid for extra quantity requested of one particular item such as IV fluids (Ringer lactate 500ml or Sodium chlorate 500ml)

Examples

Note: *the examples below do not consider the use of oral cholera vaccination. Prior or planned vaccination should be taken into account when estimating the expected total number of patients and material needs.*

Example 1: province

A province with a population of 300 000 contains 6 health zones and each zone has a Health Centre. The capital of the province has a referral hospital.

An increase of cholera cases is expected in this area during rainy season. The six health zones may be affected at the same time. We estimate half of the population (150 000) being at risk and the attack rate to be 0.5% based on data from previous years. The total number of cases expected would be 750 among which 150 (20%) are severe cases and 600 (80%) are mild to moderate cases. In the worst-case scenario, 30% of cases may occur during the peak which could last 2 to 4 weeks. (150).

It is recommended that you order:

- 1 central kit for the capital
- 1 periphery kit and
- at least 1 to 3 community kit for each health zone.

Each community kit can be further subdivided into two lots to be used in villages affected by cholera.



Example 2: city

A city with a population of 900 000 has a central hospital or a CTC.

There is a declared cholera outbreak and it is estimated that a third of the population (300 000) is at risk and the attack rate to be 1%. The total number of cases expected would be 3 000 among which 600 (20%) are severe cases and 2400 (80%) are mild or moderate cases. In the worst-case scenario, 30% of cases may occur during the peak which may last 2 to 4 weeks.

Ideally the severe cases would be treated in the existing hospital in separate wards or in the CTC if existing.

To cover the initial needs, we recommend that you order:

- 3 central kits
- 9 periphery kits
- 18 community kits.

If there is no place to isolate patients in the hospital or if there are no cholera beds and there is inadequate water supply, it may be necessary to order a complete Cholera Hardware kit. If some of these elements are available, only the necessary modules should be ordered.

Example 3: urban slum or refugee camp

A slum area or a refugee camp with a population of 50 000 where all the population is at risk and an attack rate of up to 2% is considered for planning. The area has one large referral health centre and 2 health centres. There is no space to isolate patients at the referral health centre, but another area, in a football ground has been identified to build a new cholera treatment structure. An ambulance system will be set up to transfer patients from the health centres to the CTC.

The total number of cases expected would be 1000 among which 20% would be severe cases and 80% would be mild or moderate cases.

To cover the initial needs, we recommend that you order:

- 1 hardware kit
- 2 central kit (for the CTC)
- 2 periphery kits (for the health centres so that patients can be stabilized immediately)
- 9 community kits (for oral rehydration points).



USEFUL RESOURCES AND WHO GUIDELINES

Additional resources and technical guidance can be found at www.gtfcc.org/resources

- Ending Cholera: a Global Roadmap to 2030, Global Task Force on Cholera Control, 2017
<https://www.who.int/cholera/publications/global-roadmap/en/>
- Global Task Force on Cholera Control Cholera Outbreak Field Manual 2019
<https://www.gtfcc.org/wp-content/uploads/2020/05/gtfcc-cholera-outbreak-response-field-manual.pdf>
- Interim Guidance document on Cholera Surveillance, Global Task Force on Cholera Control June 2017
<https://www.gtfcc.org/wp-content/uploads/2019/10/gtfcc-interim-guidance-document-on-cholera-surveillance.pdf>
- Interim Technical Note on the use of Rapid Diagnostic Tests, Global Task Force on Cholera Control November 2016
<https://www.gtfcc.org/wp-content/uploads/2019/10/gtfcc-interim-use-of-cholera-rapid-diagnostic-tests.pdf>
- Note technique intérimaire sur l'utilisation des tests de diagnostic rapide du choléra, Global Task Force on Cholera Control Novembre 2016
<https://www.gtfcc.org/wp-content/uploads/2020/04/gtfcc-note-technique-interimaire-sur-l-utilisation-des-tests-de-diagnostic-rapide-du-cholera.pdf>
- Antimicrobial Susceptibility Testing for Treatment and Control of Cholera, Global Task Force on Cholera Control, March 2021
<https://www.gtfcc.org/wp-content/uploads/2021/04/gtfcc-job-aid-antimicrobial-susceptibility-testing-for-treatment-and-control-of-cholera.pdf>
- Technical Note, Use of antibiotics for the treatment and control of cholera, Global Task Force on Cholera Control, May 2018
https://www.who.int/cholera/task_force/use-of-antibiotics-for-the-treatment-of-cholera.pdf?ua=1
- Note technique provisoire Utilisation d'antibiotiques pour le traitement et la lutte contre le choléra, Global Task Force on Cholera Control, Mai 2018
- Treatment of children with cholera and severe acute malnutrition (SAM), Global Task Force on Cholera Control, <https://www.gtfcc.org/wp-content/uploads/2019/12/gtfcc-job-aid-treatment-of-children-with-cholera-and-severe-acute-malnutrition.pdf>
- Technical Note: Water, Sanitation and Hygiene and Infection Prevention and Control in Cholera Treatment Structures, Global Task Force on Cholera Control January 2019
- Note technique : Eau, hygiène et assainissement, prévention et contrôle des infections dans les structures de traitement du choléra, Global Task Force on Cholera Control Janvier 2019
- Technical Note Organization of Case Management during a Cholera Outbreak, Global Task Force on Cholera Control June 2017
<https://www.gtfcc.org/wp-content/uploads/2019/10/gtfcc-technical-note-on-the-organization-of-case-management-during-a-cholera-outbreak.pdf>
- Technical Note Organization of Case Management during a Cholera Outbreak, Global Task Force on Cholera Control June 2017
<https://www.gtfcc.org/wp-content/uploads/2019/10/gtfcc-technical-note-on-water-sanitation-and-hygiene-and-infection-prevention-and-control-in-cholera-treatment-structures.pdf>
- Interim Note on the Treatment of Cholera in Pregnant Women, Global Task Force on Cholera Control September 2020
<https://www.gtfcc.org/wp-content/uploads/2021/02/gtfcc-interim-technical-note-treatment-of-cholera-in-pregnant-woment.pdf>