

# COVID-19 and HIV Latest WHO updates and guidance Update 23 April 2020

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## **Recapping the last 4 months ....**





### WHO AFRO COVID-19 Dashboard





Jeaths and CE





## **COVID-19 and HIV & TB**



Making people healthier

- Patients with severe immunodeficiency usually have high risk of complications with any infectious disease
- Several reports of HIV-CoVs co-infections (HIV/SARS Wong, 2004; HIV/MERS - Salahoub, 2015; HIV/COVID19 - Zhu, 2020; Guo, 2020; Joob, 2020); Spain with 56 PLHIV; Mild moderate CoV disease despite severe immunodeficiency; most recover
- PLHIV low CD4 & COVID similar outcomes to non-PLHIV (Guo, 2020)
- TB and comorbidities DM, malnutrition may increase risk of COVID-19
- Children and COVID-19:
- Predominantly Asymptomatic/Mild/Moderate Disease
- Case reports of infant deaths and children < 14 yo
- Challenge to maintain clinics, MMD, and transition to new paediatric ARVs
- Unknown number & outcomes of HIV/TB/COVID coinfections among



### 23 April, 2020

# Efficacy and safety of ARVs for the treatment and prevention of SARS, MERS or COVID-19

### Use of ARV as treatment for CoV infections

- 433 titles, two randomized trials and 24 observational studies reported outcomes using LPV/r as treatment.
- 21 observational studies reporting treatment outcomes,
  - 3 with SARS, 6 with MERS, 12 with COVID-19.
- 1 RCT of 99 patients with severe COVID-19
  - LPV/r was not associated with a statistically significant difference in time to clinical improvement, although LPV/r given within 12 days of symptoms was associated with shorter time to clinical improvement;
  - 28 day mortality was numerically lower in the LPV/r group (14/99) compared to the control group (25/100), but not statistically significant.
- Other RCT found no benefit.
- In the observational studies 3 out of 361 patients who received LPV/r died;
- Use of ARV as Prevention (PEP) for CoV infections
  - 2 studies reported a possible protective effect of LPV/r as post-exposure prophylaxis (SARS and MERS). The certainty of the evidence was <u>very low</u> due to uncertainty and limited sample size.

# 25 registered trials planning to assess the safety and efficacy of ARVs for the treatment of coronavirus infection (23 for the treatment of COVID-19).

19 assessing LPV/r, 1 assessing upboosted LPV, 1 assessing ritonavir, 1 darunavir and cobicistat, 1 assessing TAF



 JJAS JOURNAL OF THE INTERNATIONAL AIDS SOCIETY
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 REVIEW
 Image: Open Access
 Image: Open Access

 Systematic review of the efficacy and safety of antiretroviral drugs against SARS, MERS, or COVID-19: initial assessment

Nathan Ford 🕿. Marco Vitoria, Ajay Rangaraj, Susan L Norris, Alexandra Calmy, Meg Doherty

First published:26 March 2020 | https://doi.org/10.1002/jia2.25489

Making people he

This article has been accepted for publication and undergone full peer review but has not been through the copyediting, typesetting, pagination and proofreading process, which may lead to differences between this version and the Version of Record. Please cite this article as doi:10.1002/jia2.25489

# SOLIDARITY Tr

- WHO launched the SOLIDARI
- The SOLIDARITY trial provides overloaded to participate.
- The trial entails:
  - an experimental antiviral com hydroxychloroquine; a combin
- >90 Many countries have alrea
   Bahrain, Canada, France, Iran
- The COVID-19 Solidarity Resp individuals and organizations





Home / Emergencies / Diseases / Coronavirus disease 2019 / Global research on coronavirus disease (COVID-19)



Update on research activities for novel coronavirus International Clinical Trials Registry Platform COVID-19 Emergency Use Listing Procedure (EUL)





# **COVID-19 Updates/New technical guidance**



### New Guidance

- Surveillance: Operational considerations for surveillance of COVID-19 using GISRS
- Clinical care: Severe Acute Respiratory
   Infections Treatment Centre: Practical manual (section on women and children)
- Lab: Guidance for laboratories shipping specimens to WHO reference laboratories that provide confirmatory testing for COVID-19 virus

- Logistics: Essential Supplies Forecasting Tool

All technical guidance by topic Critical preparedness, **Country-level** Surveillance, rapid readiness and response coordination, planning, response teams, and actions for COVID-19 and monitoring case investigation **National laboratories Clinical care** Infection protection and control / WASH **Operational support and Risk communication** Guidance for schools. and community workplaces & logistics engagement institutions **Early investigation** Virus origin/Reducing Points of entry / mass animal-human protocols gatherings transmission

https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance

Humanitarian



Naming the coronavirus



Health workers

23 April, 2020

# Maintaining Essential Health Services- Umbrella Document World Health



https://www.who.int/publicationsdetail/covid-19-operational-guidancefor-maintaining-essential-healthservices-during-an-outbreak When health systems are overwhelmed, both direct mortality from an outbreak and indirect mortality from vaccine-preventable and treatable conditions increase dramatically. This provides guidance on a set of targeted immediate actions that countries should consider at national, regional, and local level to reorganize and maintain access to high-quality essential health services for all.

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# **COVID-19 and HIV, Malaria Q&A**

World Health Health Topics V Countries V	Newsroom ×	E		Health Topics 🗸	Countries 🗸	Newsroom ~	Emerge
Vigenization			Home / New	rsroom / Q&A Detail / Malaria a	and the COVID-19 pandemic		
Q&A on COVID-19, HIV and antiretrovii	rals		Malaria	a and the COVID-	19 pandemic		
24 March 2020   Q&A			27 March 2020	)   Q&A			
Are people living with HIV at increased risk of being infected with th causes COVID-19?	he virus that	+	WHO is cont about the no	inuously monitoring and respon vel coronavirus, how it spreads a	ding to the COVID-19 pandemic. T and how it is affecting malaria resp	This Q&A will be updated as more is ponses worldwide.	ะกอพท
			How many r	nalaria-affected countries hav	e reported cases of COVID-19?		(+)
Can antiretrovirals be used to treat COVID-19?		(+)	Should core 19?	e malaria vector control interve	entions be maintained in view of	f the rapid global spread of COVID	+
Can antiretrovirals be used to prevent COVID-19 infection?		+	Should WH	D-recommended preventive th	erapies be maintained in sub-Sa	aharan Africa?	(+)
What studies on treatment and prevention of COVID-19 with antirete planned?	rovirals are being	+	Are there ar	ny changes to WHO guidance	with respect to malaria diagnosi	is and treatment?	(+)
What is WHO's position on the use of antiretrovirals for the treatme	ent of COVID-19?	(+)	What additio	onal special measures may be	needed in the context of COVID	)-19?	(+)

REGIONAL OFFICE FOR Africa

https://www.who.int/news-room/q-a-detail/g-a-on-covidente



# **Community distribution of ARVs in time of COVID-19**



People living with HIV who are on treatment should ensure that they have at **least 30 days of ARVs** with them and, where possible, 3 to 6 months supply of ARVs.

MMS approach should also be considered for concomitant used medicines in comorbidities





# Testing Considerations for HIV in the context of COVID-19

Lara Vojnov WHO HIV, hepatitis and STI department

ASLM Webinar "Maintaining HIV & TB Testing in the context of COVID-19"



23 April 2020

## **Differentiated HIV testing services (HTS) in COVID-19 Context**

- It is important to support undiagnosed PLHIV to get tested and linked to ART
  - PLHIV, who do not know their status and are not ART and those with known risk factors (e.g. diabetes), who acquire a COVID-19 infection may be at risk of COVID-19 complications
- Safety of HTS providers needs to be ensured during testing procedures
  - practices including PPE, hand hygiene, respiratory hygiene, and physical distancing measures.
  - adaptations such as increased use of phone calls, digital tools (e.g. videos, websites, social media, text messages) and approaches like self-testing

### Considerations for prioritizing and adapting HTS programmes

- Continuing ongoing critical clinical services (e.g. ANC, individuals with symptoms or conditions indicative of HIV or with related co-infections or other co-morbidities (e.g. TB, STIs, malnutrition), and EID of HIV-exposed children).
- Partner/index/family testing to reach the partners of PLHIV presenting at facilities, as well ongoing key populations programmes; increasingly using phone calls
- Increasing use of HIV self-testing (HIVST) and restricting/pausing community outreach in some settings
- Maintain linkage and referrals to ART and condoms.
- Key populations and other vulnerable groups who need HTS, as well as other comprehensive sexual health services, and social protection.
- Monitor supply chain management as there may be increased risks of disruptions.

### **Considerations for HIVST**

- HIVST may be an acceptable alternative to maintain services while adhering to physical distancing guidance.
- It is important to strategically implement HIVST **prioritizing areas and populations** with the greatest needs and gaps in testing coverage.
- HIVST approaches include:
  - distribution for personal use and/or sexual and/or drug injecting partners of PLHIV and social contacts of key populations
  - In some high HIV burden settings, pregnant women may also provide HIVST kits to their male partners.

#### Priority settings to consider

- Pick up at facilities or community sites
- Online platforms (e.g. websites, social media, digital platforms) and distribution through mail
- Pharmacies, retail vendors, vending machines



The Global COVID-19 Response Strategy



## **HIV and COVID-19 Diagnostics considerations**

# WHO encourages collaboration and sharing of currently existing molecular diagnostic platforms to support the COVID-19 preparedness response.

- Diagnostic technologies and systems developed through disease programs can be considered to support the COVID-19 response; however, established systems should not be disrupted.
- It is not recommended to move equipment from their currently designated laboratories or health care facilities to different or central settings to respond to the COVID-19 demand. This will cause significant disruptions to the current networks and to critical testing for HIV and TB.
- Maintain other critical molecular diagnostics, particularly:
  - Early infant diagnosis
  - Viral load testing for people living with advanced HIV disease; those suspected of failing treatment, including
    pregnant and breastfeeding women; infants, children, and adolescents.
  - Tuberculosis testing for all patient groups





### **COVID-19 Diagnostics considerations**

- Three molecular technologies have US FDA emergency use authorization that are commonly used by HIV and TB programmes – Abbott m2000, Cepheid Xpert, Roche cobas 6800/8800; two have received WHO emergency use listing.
- A Diagnostics Supply Consortium has been developed that includes WHO, Unicef, Global Fund, World Bank, Unitaid, Gates Foundation, FIND, and CHAI
  - This consortium is working with suppliers, particularly Abbott, Cepheid, Hologic, Roche, and ThermoFisher, to negotiate access to tests as well as pricing considerations.
  - Discussions have progressed well and final numbers from each supplier are being finalized.
  - Countries and partners are encouraged to consider a multi-pronged testing approach, not just relying on one technology or solely on automated technologies, due to limited test availability.
  - Additional technologies will be brought into the consortium as available.
- Several guidance documents exist & operational guidance documents to support **COVID-19** testing with practical and programmatic guidance are in development
  - <u>https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/laboratory</u>

The Global COVID-19 Response Strategy





Laboratory testing for coronavirus disease (COVID-19) in suspected human cases

### volved in COVID-19 virus laboratory testi

## **Discussion and next steps**

- We want to hear about your in-country experiences, needs, questions etc
- Get inputs on draft information notes and documents
- Define next steps and address outstanding questions needs etc.







# TB/COVID-19 : considerations in diagnostics

Dennis FALZON WHO Global TB Programme, Switzerland

ASLM Webinar "Maintaining HIV & TB Testing in the context of COVID-19"

23 April 2020





# Source





#### Updated WHO Information Note: Ensuring continuity of TB services during the COVID-19 pandemic

4 April 2020 | Departmental news

Related

Geneva. The World Health Organization (MHO) Global TB Programme, along with WHO regional and country offices, has developed an updated information note, in collaboration with stakeholders. This note is intended to assist national TB programmes and health personnel to urgently maintain continuity of essential services for people affected with TB during the COVID-19 pandemic, driven by innovative people-centred approaches, as well as maximizing joint support to tacket bud disease. It is important that the progress made in TB prevention and care is not reversed by the COVID-19 pandemic. Finding and treating people with TB remain the fundamental pillars of TB prevention and care and those would require maintained attention. This updated note has additional details on clinical management considerations to manage TB and COVID-19, as well as new information on terring.





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Commentaries
Bacille Calmette-Guérin (BCG)
vaccination and COVID-19
12 April 2020

https://www.who.int/news-room/detail/04-04-2020-updatedwho-information-note-ensuring-continuity-of-tb-servicesduring-the-covid-19-pandemic



### World Health Organization (WHO) Information Note

**Tuberculosis and COVID-19** 

Date: 4 April 2020

#### COVID-19: Considerations for tuberculosis (TB) care

As the world comes together to tackle the COVID-19 pandemic, it is important to ensure that essential services and operations for dealing with long-standing health problems continue to protect the lives of people with TB and other diseases or health conditions. Health services, including national programmes to combat TB, need to be actively engaged in ensuring an effective and rapid response to COVID-19 while ensuring that TB services are maintained.

The World Health Organization (WHO) is advising Member States that are leading the response to the unfolding COVID-19 pandemic (1). The WHO Global TB Programme, along with WHO regional and country offices, has developed an information note, in collaboration with stakeholders. This note is intended to assist national TB programmes and health personnel to **urgently maintain continuity of essential services for people affected with TB during the COVID-19 pandemic**, driven by innovative people-centred approaches, as well as maximizing joint support to tackle both diseases. It is important

https://www.who.int/tb/COVID 19considerations tuberculosis\_services.pdf





## What should health authorities do to provide

essential TB services during the COVID-19 pandemic? What services can be leveraged across both diseases?

TB programme staff: can share expertise and logistical support, such as in active case finding and contact tracing. Capacity building and training may be needed

**Community-based care:** strongly preferred over hospital treatment where possible and visits to TB treatment centres minimized

**Prevention:** limit transmission of TB and COVID-19 in congregate settings and health care facilities,

basic infection prevention and control, cough etiquette, patient triage. TPT maintained

**Diagnosis:** TB laboratory networks and platforms could support COVID 19 response

TB treatment: must be ensured and medicines given to patients to take home, including TPT Digital technologies

Proactive planning, procurement, supply and risk management





## What measures should be in place to protect

staff working in TB laboratories and healthcare facilities, and community health workers, from COVID-19 infection?

TB infection prevention and control measures: many also apply to COVID-19

<u>In diagnostic site</u>: training on universal precautions, consistent use of the N95 respirator, handwashing, gloves, goggles or protection shield, waterproof aprons, regular decontamination of surfaces, staff distancing in the lab, ventilated workplaces and safe transportation.

Additional, temporary measures to be considered during the pandemic:

- Reduce visits for TB follow-up
- Fix TB visits on specific days or times
- TB medicines dispensed to the patient or caregiver to last until the next visit
- Sputum collection at home or in open, well-ventilated space, away from health facility



# **Basic protective measures in COVID-19**

### Protect yourself and others from getting sick Wash your hands

- after coughing or sneezing
- when caring for the sick
  - before, during and after you prepare food
  - before eating
- after toilet use
- when hands are visibly dirty

Norld Health

• after handling animals or animal waste

### Protect others from getting sick

When coughing and sneezing cover mouth and nose with flexed elbow or tissue





Throw tissue into closed bin immediately after use

**Clean hands** with alcohol-based hand rub or soap and water after coughing or sneezing and when caring for the sick

**World Health** Organization



Avoid close contact when you are experiencing cough and fever

Avoid spitting in public

**Protect others from getting sick** 



If you have fever, cough and difficulty breathing seek medical care early and share previous travel history with your health care provider

World Health Organization





## Should all people being evaluated for TB

also be tested for COVID19 and vice-versa?

As the pandemic advances...

- more people and TB patients will be exposed to COVID-19
- in high TB burden settings a positive result for COVID-19 infection does not exclude concomitant TB, and vice versa
- clinical trajectory can determine need for testing in TB and COVID-19 patients

Simultaneous testing of the same patient for both TB and COVID-19 would generally be indicated in presence of :

- 1. clinical features common to both diseases
- 2. simultaneous exposure to both diseases
- 3. a risk factor for poor outcomes to either disease





# Can TB and COVID-19 be tested on the same

type of specimen?

- Specimens are usually different sputum for TB and nasopharyngeal/oropharyngeal swabs for COVID-19
- Diagnostic testing using molecular techniques is currently recommended for both conditions; serology is not recommended for both
- By 23 April 2020, three *in vitro* diagnostic molecular tests were on the WHO Emergency Use Listing for COVID-19

Date Listed	Product name	Product code(s)	Manufacturer
03 April 2020	cobas SARS-CoV-2 Qualitative assay for use on the cobas 6800/8800 Systems	09175431190 and 09175440190	Roche Molecular Systems, Inc.
07 April 2020	Primerdesign Ltd COVID-19 genesig Real- Time PCR assay	Z-Path-COVID-19-CE	Primerdesign Ltd.
09 April 2020	Abbott Realtime SARS-CoV-2	09N77-090 and 09N77-080	Abbott Molecular Inc.



https://www.who.int/diagnostics\_laboratory/EUL/en/



## **Xpert<sup>®</sup> Xpress SARS-CoV-2 cartridge**

- The US FDA granted an Emergency Use Authorization for Xpert<sup>®</sup> Xpress SARS-CoV-2 cartridge
- This cartridge is meant to be used on GeneXpert machines which have been widely deployed for rapid TB testing. Protecting time to test TB specimens is important if these machines will be involved in COVID-19 testing.
- WHO is currently evaluating this cartridge (below as on 21 April 2020)



