







# COVID-19 vaccination: supply and logistics guidance

INTERIM GUIDANCE
12 FEBRUARY 2021



















COUNTRY READINESS AND DELIVERY

## COVID-19 vaccination: supply and logistics guidance

#### INTERIM GUIDANCE

12 FEBRUARY 2021





WHO and UNICEF continue to monitor the situation closely for any changes that may affect this interim guidance. Should any factors change, WHO and UNICEF will issue a further update. Otherwise, this interim guidance will expire 5 years after the date of publication.
© World Health Organization and the United Nations Children's Fund (UNICEF), 2021. Some rights reserved. This work is available under the CC BY-NC-SA 3.0 IGO licence.
The mention of specific companies or of certain manufacturers' products does not imply that they are endorsed or recommended by WHO in preference to others of a similar nature that are not mentioned.
WHO reference number: WHO/2019-nCoV/vaccine_deployment/logistics/2021.1

#### **Contents**

Acl	knowledgements	<b>V</b>
Ab	breviations	. vi
1.	Context	1
2.	Purpose of this guidance	3
3.	Vaccine profiles.	
	3.1 Candidate COVID-19 vaccines profiles	6
4.	<ul> <li>Cold chain and supply strategies.</li> <li>4.1 COVAX Supply Chain Technical Working Group and National Logistics Working Group.</li> <li>4.2 Coordination mechanism.</li> <li>4.3 Preplanning: core functions and logistics.</li> <li>4.4 Deployment operations.</li> </ul>	. 10 . 10 . 11
	4.4.1 Reception of vaccines, PPE and ancillary products	. 14
	4.4.3 Repackaging vaccines and ancillary items 4.4.4 Production or purchase of coolant packs 4.4.5 Transportation of vaccines	. 21
	4.4.6 Reverse logistics	. 23
	<ul> <li>4.5 Traceability and vaccines rapid information.</li> <li>4.5.1 Traceability and the fight against counterfeit vaccines.</li> <li>4.6 Securing the supply chain.</li> <li>4.7 Budgeting and financial management.</li> </ul>	. 26 . 28 . 29
5.	Vaccine store infrastructure and power requirements  5.1 Store infrastructure  5.2 Ultra-low temperature cold chain equipment system  5.3 Dry storage	. <b>32</b> . 33
6.	Health care waste management  6.1 Three steps to preparation of a hazardous solid waste management plan  6.2 Overview of treatment options for infectious and sharp waste	. 35
7.	Human resources 7.1 Goal and objectives 7.2 Staffing 7.3 Capacity building	. 41 . 41
8.	Country preparedness activities	. 44
9.	Country readiness tools  9.1 Tools: critical functions  9.2 Tools: selection/decision criteria  9.3 Recommended tools	. 45 . 45

Annex 1: Tools decision matrix	48
Annex 2: Guidance on UCC use for deployment of COVID-19 vaccines	50
Annex 3: Country readiness self-assessment checklist	58
Annex 4: Vaccine accountability monitoring reporting form	60
Annex 5: Reported immunization waste forms	61

#### Acknowledgements

This document was produced based on existing guidance and tools and in consultation with various subject matter experts from the following organizations, leveraging on experiences and lessons learned from previous outbreaks and pandemic responses:

Bill & Melinda Gates Foundation
Gavi, the Vaccine Alliance
John Snow Inc (JSI)
Pan American Health Organization (PAHO)
PATH
United Nations Children's Fund (UNICEF)
VillageReach
World Bank
World Health Organization (WHO).

### **Abbreviations**

ACT	Access to COVID-19 Tools
AEFI	adverse events following immunization
CCE	cold chain equipment
CCEOP	Cold Chain Equipment Optimization Platform
CNCC	COVAX National Coordinating Committee
COVAX	vaccine pillar of the Access to COVID-19 Tools (ACT) Accelerator
COVID-19	novel coronavirus SARS-CoV-2
СТС	controlled temperature chain (during immunization and outreach sessions)
CTWG	COVAX Technical Working Group
EEFO	earliest-expiry-first-out
EMA	European Medicines Agency
EPI	Expanded Programme on Immunization
<b>ESAVI</b>	events supposedly attributable to vaccination
EU	European Union
EUA	emergency use authorization
EUL	WHO Emergency Use Listing
FDA	Food & Drug Administration (United States of America)
FIFO	first-in-first-out
Gavi	Gavi, the Vaccine Alliance
GDP	good distribution practices
GEVIT	Global Ebola Vaccine Implementation Team
GTIN	Global Trade Item Number
ILR	icelined refrigerator
IM	intramuscular
IPC	infection prevention and control
LMIC	low- and middle-income countries
LMIS	logistics management information system

预览已结束, 完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5\_24092

