



WHO upcoming specifications and guidance

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ANNIVERSAL





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Vaccination Records are an essential tool

Continuity of Care

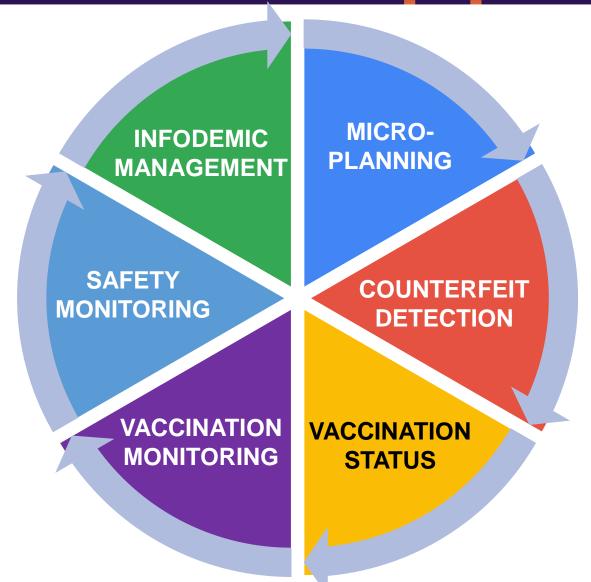
- Basis for health worker to provide a subsequent dose and/or appropriate health services
- Provides schedule information for an individual to know if another dose is needed and when the next dose is due
- Enables investigation into adverse events by health workers as per existing adverse events following immunization (AEFI) guidance (vaccine safety).

Proof of Vaccination

- Establishes vaccination status of individuals in coverage monitoring surveys
- Establishes vaccination status after a positive COVID-19 test to understand vaccine effectiveness
- For work
- For education
- For travel
 - International travel is a subset of this, and is governed by the International Health Regulations (IHR) 2005



The vaccination certificate is part of a larger digital innovation ecosystem for immunizations





What was previously called the Smart Vaccination Certificate is now the Digital Documentation of COVID-19 Certificates: Vaccination Status

- A medical document managed by public health authorities of member states
- A digital vaccination certificate based on the existing home-based records guidance and the international certification of vaccination or prophylaxis
- Can be purely digital (i.e., stored on a smartphone application) or be a complementary digital "twin" of traditional paper records
- It only documents vaccination events, but is architected to evolve with the science, and needs of countries
- More specifically, the DDCC: Vaccination Status is a digitally signed FHIR document that represents the core data set for the relevant COVID-19 vaccination certificate using the JSON representation.



Revised expected outputs for WHO

SPECIFICATIONS & GUIDANCE DOCUMENTATION

Three specifications documents:

- 1. DDCC: Vaccination Status
- 2. DDCC: SARS-CoV-2 tests
- 3. DDCC: COVID-19 recovery status
- High level implementation guidance for establishing national trust frameworks for issuing and validating trusted DDCCs

COUNTRY SUPPORT

- 5. Example implementations for a digital vaccination certificate
- 6. Technical support to LMICs at varying levels of immunization information system maturity through WHO, expert roster, and multiagency support mechanisms
- 7. Financing to country-level implementation from COVAX mechanism

GLOBAL DIGITAL SERVICES

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8. Global vaccine product registry to provide a canonical list of all known and coded vaccines



What will be in the guidance documents?

Requirements and specifications for technology implementers

- □ Business processes, workflows & use cases
- Core data elements mapped to standard terminology code sets (including an annexed spreadsheet)
- □ Functional and non-functional requirements
- Overview of signing a digital certificate with PKI
- □ HL7 FHIR Implementation Guide (linked website) detailing relevant standards for consistent representation and interoperability

Implementation considerations

- Data protection principles
- □ Ethical considerations
- □ National governance considerations



Role of Member States and WHO

Assumptions for WHO

- 1. WHO will recommend the minimum dataset, interoperability standards, core functionalities, and implementation guidance
- 2. WHO will have an example implementation based on guidance

Assumptions for member states

- 1. Member states will choose the modalit(ies) they want to implement the COVID-19 vaccine certificate (e.g. paper, smart phone application, etc.)
- 2. There can be multiple point of service solutions based on what member states want to implement
- 3. Member states will be responsible for implementing the necessary policies to support the issuance and verification workflow
- 4. Member states will determine which trust frameworks they want to use for validation of COVID-19 certificates & establish bilateral or regional agreements that outline the governance process for establishing trust accordingly
- 5. Member states will determine the mechanism for unique identification (e.g. health ID, national ID number, passport number, etc.)



THANK YOU!