

## **Digitalisation of the International Certificate of Vaccination or Prophylaxis (ICVP)**

Remko Schats<sup>1</sup>, Paula Knapé<sup>1</sup>

<sup>1</sup> National Coordination Centre for Travellers Advice (LCR) Amsterdam The Netherlands

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Remko Schats, MD PhD MBA.

National Coordination Centre for Travellers Advice (LCR)

Amsterdam

The Netherlands

### Background:

The digitalisation of the WHO International Certificate of Vaccination or Prophylaxis (ICVP), commonly known as the Yellow Card, represents a critical step towards secure and interoperable cross-border verification of Yellow Fever vaccination status. Successful implementation requires robust international governance structures and a scalable, standards-based digital infrastructure.

### Methods/Approach:

This initiative builds upon open standards (openEHR) specifications in combination with HL7 FHIR standards to ensure semantic interoperability and long-term sustainability. The digital ICVP will incorporate verifiable vaccination certificates and associated public keys issued by national authorities. Certificates will be exchanged through the Global Digital Health Certification Network (GDHCN), enabling trusted international validation. Development takes place in close collaboration with the Dutch Ministry of Health (VWS), the National Coordination Centre for Travellers' Health Advice in the Netherlands (LCR), the World Health Organization (WHO), and openEHR technology partners.

### Results/Implementation:

Beyond the digital ICVP, the platform aims to provide a structured electronic health record (EHR) solution for travellers, seafarers, and offshore professionals—populations that often lack a centralised and portable medical record. The architecture is designed to support EU-level interoperability (EHDS) while aligning with ongoing WHO initiatives.

### Conclusions:

Digitalisation of the ICVP offers opportunities to strengthen international trust, improve fraud resistance, and enhance continuity of care for mobile populations. This presentation will provide an overview of current WHO and Dutch developments and invite discussion on governance, interoperability challenges, and opportunities for collaboration at national and European levels.