

## eCH-0269 – CH VACD, Austauschformat FHIR

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<b>Authors</b>	<p>Governance:</p> <ul style="list-style-type: none"> <li>HL7 Switzerland Technical Committee</li> </ul> <p>Collaboration:</p> <ul style="list-style-type: none"> <li>Swiss FHIR Implementers' Community</li> <li>HL7 Switzerland</li> <li>eHealth Suisse</li> </ul> <p>Review:</p> <ul style="list-style-type: none"> <li>Expert Group eHealth, eCH</li> </ul>
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## Summary

The CH-VACD implementation guide describes the FHIR representation of the **documents for the exchange of vaccination and immunization information** in the context of the EPR (electronic patient record) in Switzerland. This eCH standard references the eCH-0241 standard [CH Core \(R4\) \(v3.0.0: STU 3\) based on FHIR R4](#).

The following documents and messages have been defined:

- [Immunization Administration document](#)
- [Vaccination Record document](#)
- [Immunization Recommendation Request message](#)
- [Immunization Recommendation Response message](#)

The documents are based on the IHE Technical Framework „Patient Care Coordination (PCC)“ with the profile „Immunization Content (IC)“. The IHE PCC himself references the HL7 Clinical Document Architecture (CDA).

The CH VACD implementation guide has been tested three times at the yearly Swiss Projectathon and HL7 Switzerland has successfully performed a ballot for this STU3 version.

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# 1 Introduction

This eCH standard references the eCH-0241 standard [CH Core \(R4\) \(v3.0.0: STU 3\) based on FHIR R4](#).

## 1.1 Status

**Draft:** The document was released for public consultation and published accordingly by the responsible advisor from the Experts' Committee.

**Approved:** This document was approved by the Expert Group eHealth (eCH). It has normative power for the defined field of application in the determined scope of application.

## 1.2 Scope of application

This implementation guide is provided to support the use of FHIR in Switzerland vaccination and immunization information.

The CH-VACD implementation guide describes the FHIR representation of the **documents for the exchange of vaccination and immunization information** in the context of the EPR (electronic patient record) in Switzerland. This eCH standard references the eCH-0241 standard [CH Core \(R4\) \(v3.0.0: STU 3\) based on FHIR R4](#).

The following documents and messages have been defined:

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The CH VACD implementation guide has been tested three times at the yearly Swiss Projectathon and HL7 Switzerland has successfully performed a ballot for this STU3 version.

## 1.3 Relationship between CH VACD and the Swiss EPR

The Annexes to the Swiss [Electronic Patient Record](#) (EPR) law specify the technical and semantic requirements for interoperability. Annex 4 defines the exchange format for the Swiss EPR. CH VACD is included in [Annex 4](#) in the current version.

## 1.4 Status

HL7 Switzerland has followed an STU ballot process among its members for the STU3 Version of CH VACD:

06.07.2022: Publication of CH VACD STU3 2.1.0;

08.08.2022: Start of voting procedure.

29.09.2022: End of voting procedure.

30.09.2022: Publication of interim result

02.12.2022: Start of objection period

16.12.2022: End of objection period

22.12.2022: Publication.

Ballot results: For – 18; Against – 1; Abstentions – 0.

20 comments were resolved during the ballot period. There were no further comments in the objection period.

Since the vote to adopt STU3 Version of CH VACD was more than 80%, it was accepted and published on 22.12.2022 according to the [ballot rules](#).

***Proposal:*** The document was submitted to the Experts' Committee for approval on **01.01.2023**, however, it is normatively not valid yet.

*Approved:* This document was approved by the Experts' Committee. It has normative power for the defined field of application in the determined scope of application.

*Replaced:* The document has been replaced by a new current version. It may still be used, although the new version is recommended.

*Cancelled:* The document was cancelled by eCH. It may no longer be used.

## 2 Scope

The CH-VACD implementation guide describes the FHIR representation of the **documents for the exchange of vaccination and immunization information** in the context of the EPR (electronic patient record) in Switzerland.

### 2.1 Home of the implementation guide

The URL for the HL7 CH VACD (R4) for Switzerland is: <http://fhir.ch/ig/ch-vacd/index.html>

### 2.2 Profiles

- [Profiles](#): constraints of essential FHIR resources and data types for Swiss use. The URL for the Profiles section is: <http://fhir.ch/ig/ch-vacd/profiles.html>

### 2.3 Extension

- [Extensions](#): FHIR extensions that are added for local use, covering necessary Swiss concepts. The URL of the Extensions section is: <http://fhir.ch/ig/ch-vacd/extensions.html>

### 2.4 Terminologies

- [Terminologies](#): defined or referenced code systems and value sets for Switzerland. The URL of the Terminologies section is: <http://fhir.ch/ig/ch-vacd/terminology.html>

### 3 Safety considerations

This implementation guide defines data elements, resources, formats, and methods for exchanging healthcare data between different participants in the healthcare process. As such, clinical safety is a key concern. Additional guidance regarding safety for the specification's many and various implementations is available at:

<https://www.hl7.org/FHIR/safety.html>.

Although the present specification does give users the opportunity to observe data protection and data security regulations, its use does not guarantee compliance with these regulations. Effective compliance must be ensured by appropriate measures during implementation projects and in daily operations. The corresponding implementation measures are explained in the standard.

In addition, the present specification can only influence compliance with the security regulations in the technical area of standardisation. It cannot influence organisational and contractual matters.

## 4 Disclaimer/Reference to third-party rights

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## Annex A: References and bibliography

The following URLs were last visited on 30.11.2022.

Because online information can be regularly updated, no guarantee for future availability can be given.

EPDG	<p><a href="#">SR 816.11 Bundesgesetz über das elektronische Patientendossier</a>  <a href="https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/SR%20816.11.pdf.download.pdf/SR%20816.11_DE.pdf">https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/SR%20816.11.pdf.download.pdf/SR%20816.11_DE.pdf</a></p>
EPDV	<p><a href="#">SR 816.111 Verordnung über das elektronische Patientendossier</a>  <a href="https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/gesetze/SR%20816.111.pdf.download.pdf/SR%20816.111.pdf">https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/gesetze/SR%20816.111.pdf.download.pdf/SR%20816.111.pdf</a></p>
EPDV-EDI	<p><a href="#">SR 816.111.1 Verordnung des EDI über das elektronische Patientendossier</a>  <a href="https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/gesetze/SR%20816.111.1.pdf.download.pdf/SR%20816.111.1_DE.pdf">https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/gesetze/SR%20816.111.1.pdf.download.pdf/SR%20816.111.1_DE.pdf</a></p>
[DSG]	<p>Bundesgesetz vom 19. Juni 1992 über den Datenschutz (DSG)  <a href="http://www.admin.ch/ch/d/sr/2/235.1.de.pdf">http://www.admin.ch/ch/d/sr/2/235.1.de.pdf</a></p>
[Strategie Gesundheit 2030]	<p>Gesundheitspolitische Strategie des Bundesrats 2020–2030, 6. 12. 2019  <a href="https://www.bag.admin.ch/bag/de/home/strategie-und-politik/gesundheits-2030/gesundheitspolitische-strategie-2030.html">https://www.bag.admin.ch/bag/de/home/strategie-und-politik/gesundheits-2030/gesundheitspolitische-strategie-2030.html</a></p>
[Strategie eHealth Schweiz 2.0]	<p>Strategie „eHealth Schweiz 2.0“ 14. 12. 2018  <a href="https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitspolitik/ehealth-ch/181214_Strategie-eHealth-Suisse-2.0_d.pdf.download.pdf/181214_Strategie-eHealth-Suisse-2.0_d.pdf">https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitspolitik/ehealth-ch/181214_Strategie-eHealth-Suisse-2.0_d.pdf.download.pdf/181214_Strategie-eHealth-Suisse-2.0_d.pdf</a></p>
[FHIR R4]	<p>FHIR Release 4 (Technical Correction #1) (v4.0.1) generated on Fri, Nov 1, 2019 09:37+1100. ©© HL7.org 2011+.  <a href="http://www.hl7.org/fhir">www.hl7.org/fhir</a></p>

## Annex B: Cooperation and verification

HL7 User Group Switzerland	Administrative Office	<a href="mailto:info@hl7.ch">info@hl7.ch</a>
HL7 User Group Switzerland	Technical Committee	<a href="mailto:oliver.egger@ahdis.ch">oliver.egger@ahdis.ch</a>
HL7 User Group Switzerland	President of the Board	<a href="mailto:roeland@arpage.ch">roeland@arpage.ch</a>
eCH, Expert Group eHealth	Group Leader	<a href="mailto:felix.fischer@borsconsulting.ch">felix.fischer@borsconsulting.ch</a>

## Annex C: Abbreviations and glossary

<a href="#">BFS</a>	Bundesamt für Statistik (Federal Statistics Office)
<a href="#">eCH</a>	Association for the Promotion of eGovernment in Switzerland
EPR	Electronic Patient Record
FHIR	Fast Healthcare Implementation Resource
HL7	Health Level 7
STU	Standard for Trial Use

## Annex D: Changes to previous versions

All changes are documented under

<https://fhir.ch/ig/ch-vacd/changelog.html>