

eCH-0268 – CH EMED, Austauschformat FHIR

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

The CH EMED implementation guide describes the FHIR representation of the **documents for the exchange of medication 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 have been defined:

- [Medication Treatment Plan document](#)
- [Medication Prescription document](#)
- [Medication Dispense document](#)
- [Pharmaceutical Advice document](#)
- [Medication List document](#)
- [Medication Card document](#)

The documents are based on the IHE Pharmacy Technical Framework modelled and specialized in the Building Block Repository CH-PHARM. Base for this modelling was the report from [IPAG eMedikation, 7.6.2017](#) and the work of IPAG/eHealth Suisse.

The CH EMED implementation guide has been tested three times at the yearly Swiss Projection 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

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.

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 for eMedication.

The CH EMED implementation guide describes the FHIR representation of the **documents for the exchange of medication 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](#).

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

1.3 Relationship between CH EMED and the Swiss EPR

The Annexes to the Swiss [Electronic Patient Record](#) (EPR) law specify the technical and semantic requirements for interoperability. Annex 4 will define the exchange format for the Swiss EPR. The Medication Card document from this standard is planned to be referenced from Annex 4 in the revision of next year.

1.4 Status

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

06.07.2022: Publication of CH EMED 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 – 0; Abstentions – 1.

30 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 EMED 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 EMED implementation guide describes the FHIR representation of the **documents for the exchange of medication 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 EMED (R4) for Switzerland is: <http://fhir.ch/ig/ch-emed/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-emed/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-emed/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-emed/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	SR 816.11 Bundesgesetz über das elektronische Patientendossier 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
EPDV	SR 816.111 Verordnung über das elektronische Patientendossier https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/ge-setze/SR%20816.111.pdf.download.pdf/SR%20816.111.pdf
EPDV-EDI	SR 816.111.1 Verordnung des EDI über das elektronische Patientendossier https://www.bag.admin.ch/dam/bag/de/dokumente/nat-gesundheitsstrategien/strategie-ehealth/gesetzgebung-elektronisches-patientendossier/ge-setze/SR%20816.111.1.pdf.download.pdf/SR%20816.111.1_DE.pdf
[DSG]	Bundesgesetz vom 19. Juni 1992 über den Datenschutz (DSG) http://www.admin.ch/ch/d/sr/2/235.1.de.pdf
[Strategie Gesundheit 2030]	Gesundheitspolitische Strategie des Bundesrats 2020–2030, 6. 12. 2019 https://www.bag.admin.ch/bag/de/home/strategie-und-politik/gesundheitspolitische-strategie-2030.html
[Strategie eHealth Schweiz 2.0]	Strategie „eHealth Schweiz 2.0“ 14. 12. 2018 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
[FHIR R4]	FHIR Release 4 (Technical Correction #1) (v4.0.1) generated on Fri, Nov 1, 2019 09:37+1100. ©© HL7.org 2011+. www.hl7.org/fhir

Annex B: Cooperation and verification

HL7 User Group Switzerland	Administrative Office	info@hl7.ch
HL7 User Group Switzerland	Technical Committee	oliver.egger@ahdis.ch
HL7 User Group Switzerland	President of the Board	roeland@arpage.ch
eCH, Expert Group eHealth	Group Leader	felix.fischer@borsconsulting.ch

Annex C: Abbreviations and glossary

BFS	Bundesamt für Statistik (Federal Statistics Office)
eCH	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-emed/changelog.html>