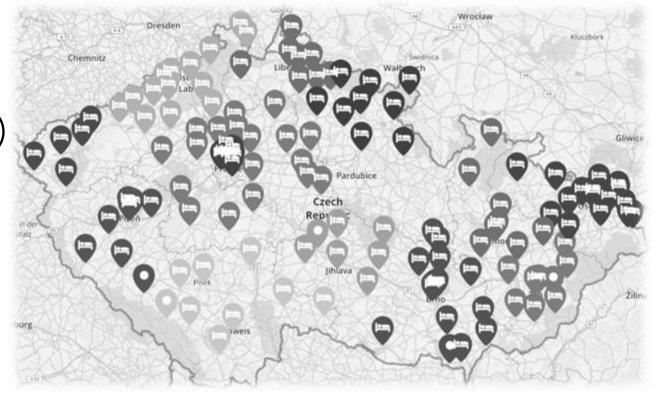


From Local Needs to European Alignment

CZ National HL7 FHIR Standardization Program

Czech Health System in Brief

- 11 MIO population
- 14 regions
- **32 000** Healthcare providers (2018)
 - **21 000** outpatient care providers (GPs & specialists)
 - 300 Inpatient care providers
 - 194 hospitals
 - 3 500 Pharmacies
- 7 Health Insurance Houses





Czech National Interoperability Standards Development

DASTA

1992 - 2030

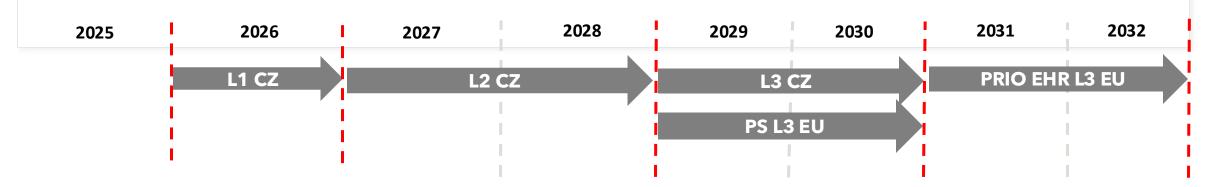


- Current proprietary national standard DASTA
- Decision to move to HL7 FHIR, EHDS compatible
- Several steps:
 - Standards development (ongoing project 2025-2026)
 - POC implementations (2025-2027)
 - **Public** consultation (HL7 Cz, IHE Cz, MOH sessions with providers)
 - Version 1 issue date (2026)



Czech standardization legislative roadmap 🦚



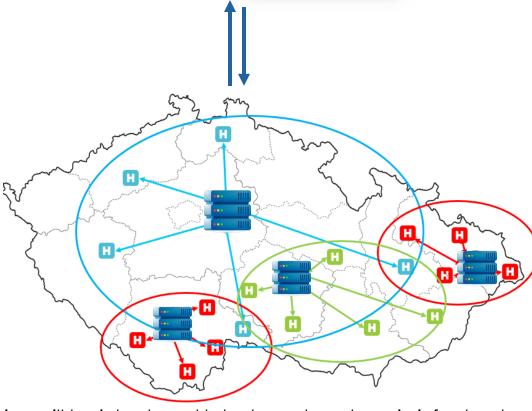


- Introduction of obligations framework defining mandatory implementation levels (L1-L3)
 - **L1** = Unstructured (PDF + metadata)
 - **L2** = Semistructured (Structured sections with plain text)
 - **L3** = Fully structured (Structured sections including structured objects)
- Gradual enforcement of these levels across healthcare providers from 2026 to 2030
- Requirements embedded directly into Czech national eHealth legislation, ensuring adoption and compliance
- CZ obligations framework reflects national priorities and therefore may not fully align with the MyHealth@EU roadmap

Czech National Interoperability

- Includes several components
 - Central infrastructure, e.g.
 - **Registry** (Patient, Healthcare provider, Healthcare practitioner)
 - Patient **portal** (NPEZ)
 - **Mobile app** (EZKarta)
 - Interoperability assets, e.g.
 - **Terminology** server
 - New standards FHIR IGs
 - Standard **display tools** (Available as open source)
 - **Testing** platform
 - DASTA <-> FHIR conversion tools
 - Program & project management
 - Dissemination
- Financed from RRF (NPO)





Interoperability standards project

Numbers

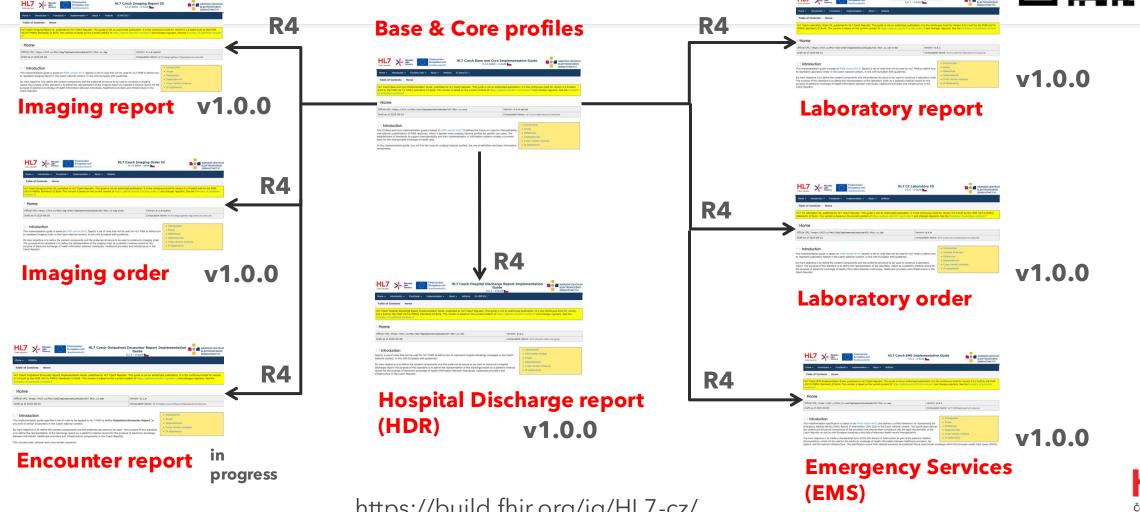
- **1,5** year
- 5 companies (competitors vendors)
- **52** co-workers (technicians, healthcare professionals)
- 1752 MDs

Deliverables

- **EHDS PRIO** categories
 - PS, HDR, LAB report, IMG report
- Additional national categories
 - IMG order, LAB order, Physio order, Consultation refferal, Encounter report, EMS report
- Additional national standards
 - MHD, ATNA



Czech IG ecosystem





National core profiles overview

FOUNDATION (CZ)

- Patient (CZ)
- Organization (CZ)
- Location (CZ)
- Practitioner (CZ)
- Practitioner Role (CZ)
- Related Person (CZ)

DOMAIN (CZ)

Allergy Intolerance (CZ)

Attachment (CZ)

Body Structure (CZ)

Coverage (CZ)

Encounter (CZ)

Medication (CZ)

Medication Statement (CZ)

Specimen (CZ)

Prosented Form (CZ)

SPECIALIZED (CZ)

Device: Performer/

Observer (CZ)

Medical Device (CZ)

DocumentReference containing logo (CZ)

Patient: Animal (CZ)



IG MENU pressentation

	Α	В	C	D	Е	F	G
1	Home	Introduction -	Functional	Implementation -	About ▼	Artifacts -	Referenční IG [link pokud existuje]* 🔻
2	Home (en)	Scope and content (en)	Use cases (en)	Mapping to profiles (en)	Authors (en)		
3	- Introduction	- Scope	- Use cases	- Mapping to profiles	- Authors		
4	- Scope short	- Content	Use cases (cs)	Mapping to profiles (cs)	Authors (cs)		
5	- References	Scope and content (cs)	- Případy užití	- Mapování logického modelu	- Autoři		
6	- Dependencies	- Oblasti	Workflow (en)	Examples (en)	Downloads (en)		
7	- Cross Version Analysis	- Obsah	- Status management	- Examples	- Downloads		
8	- IP statements	Background (en)	- Scenarios	Examples (cs)	Downloads (cs)		
9	Home (cs)	- Background	Workflow (cs)	- Příklady	- Downloads		
10	- Úvod	Background (cs)	- Stavový management	Obligations (cs)	Dependencies (en)		
11	- Oblasti	- Background	- Scénaře	- Obligations	- Dependencies		
12	- Závislosti		Logical models (en)	Obligations (cs)	Dependencies (cs)		
13	 Rozdílová analýza verzí 		- Logical models	- Povinnosti	- Závislosti		
14	- Prohlášení o duševním vlastnictví		Logical models (cs)		Copyright (en)		
15			- Datová sada - logické modely		- Copyright		
16			Terminology considerations (en)		Copyright (cs)		
17			- Terminology considerations		- Autorská práva		
18			Terminology considerations (cs)				
19			- Terminologické aspekty				
20							
21							
22	* odkaz na referenční IG bude pojmen						
23	Šedě podbarveny kapitoly v dané strár	псе					
0.4							



Challenges

- We are 4 years ahead of EHDS
 - NCP currently works with CDA
 - OrCD wave 9 has to be L1 CDA We have our L1 FHIR documents needs transformations
- EHDS Standards might change
 - Vendors should be aware of possible changes of standards in the future
- IG development capacities
 - We had very limited experience in development of IGs
 - EU development collaboration was crucial
- Short timeframe
 - 1,5 year is very limiting, take your time. 2-3 years for development + balloting would be much better



Thank you for your attention

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