

HL7 Czech Republic

Brief information

Czech Health System in Brief

- 10 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

Current Digital Health Landscape

- Governance
 - Ministry of interior – eGovernment architecture, infrastructure and services
 - MoH – overall responsibility for healthcare
 - digital health standardization
 - national digital health projects
 - International collaboration
 - HL7 – involvement of the community in standards development, evaluation and testing
- Main stakeholders
 - Health professionals
 - Specify needs and priorities
 - Contribute to strategy objectives
 - Patients & citizens
 - Specify needs and priorities
 - Contribute to strategy objectives
- Governance partners
 - Institute of health information and statistics (ÚZIS)
 - Collection and secondary use of data
 - Clinical terminology standards
 - State institute for Drug Control
 - Standards in drug area
 - Health insurance houses
 - Ensuring accessibility of care services
 - Incentives for implementation of efficient digital care services
 - Regions
 - Key actors for coordination of regional eHealth development

Czech National Interoperability Standards Development

- Current proprietary national standard DASTA
- Decision to move to HL7 FHIR, EHDS compatible
- Several steps:
 - Standards development (ongoing, first: core, lab, discharge letter - published draft <http://build.fhir.org/ig/HL7-cz>)
 - POC implementations (2nd half 2025)
 - Public consultation (HL7 Cz, IHE Cz)
 - Version 1 issue date (2026)

Czech National Interoperability Project

- Includes several components
 - Central infrastructure, e.g.
 - Registry
 - Patient portal
 - Mobile app
 - Interoperability assets, e.g.
 - Terminology server
 - New standards FHIR IGs (core, lab, imaging, HDR, PS, Clinical Note (Encounter report), Lab & Imaging Orders, ...)
 - Standard display tools
 - Testing platform
 - DASTA <-> FHIR conversion tools
 - Program management
 - Dissemination
- Financed from RRF



Thank you

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