

VITALIS HACKATHON 2026

Building health data on *FHIR*.

WHERE

Svenska Mässan
Room R17, Level 2

WHEN

Fri, May 8
09:00 - 15:00

ORGANIZER

HL7 Sweden

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// hackathon.v2026 · R4 · tx-nordics
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Three tracks, one goal:
move Nordic health data closer
to a shared FHIR foundation

01

PATIENT DATA · NO FHIR? NO PROBLEM.

Teach AI agents to speak FHIR on portals that don't.

TRACK LEAD Jens Villadsen

Pick a Swedish health portal - *1177, MittVaccin, LabPortalen, NPÖ* - reverse-engineer its traffic, and build an AI-assisted proxy that re-exposes the data as standard FHIR R4. Inspired by Denmark's Dhroxy and the c3po initiative.

WHAT YOU'LL DO

- Capture HTTP/API traffic (DevTools, HAR, mitmproxy, APK decompile)
- Map payloads to FHIR R4 resources
- Scaffold a FHIR façade with Cursor or Claude Code
- Validate against validator.fhir.org

BRING WITH YOU

A target portal

An AI coding tool

02

CODES · MAPPINGS · AI CO-PILOTS

Get comfortable with Terminology & AI Agents.

TRACK LEAD Vadim Peretokin

Hands-on with *tx-nordics*: lookup, validate, expand, translate. Then pair an AI agent to accelerate your terminology mapping work.

SELF-PACED EXERCISES

- Part 1 - TX server basics (SNOMED CT, NPU, ConceptMaps)
- Part 1b - Authoring IGs with national editions
- Part 2 - AI agents as terminology co-pilots
- Part 3 - Open hacking (MCP, autonomous mapping)

ENDPOINT

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tx-nordics.fhir.org/fhir/r4
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03

NORDIC BASE · EU BASE · EHDS

Where do Nordic and EU FHIR profiles actually diverge?

TRACK LEAD Mikael Rinnetmäki

Denmark, Finland, Norway, Sweden - each has national base profiles. HL7 Europe now has *Base and Core IGs* for the EHDS. This track compares them, flags the conflicts that matter, and pushes *nordic-base* and *coalesced* into sync.

ANGLES TO ATTACK

- IG publisher diffs - which changes actually matter?
- Programmatic comparison via generated sample resources
- Gazelle + EHDS testbed as validation tooling
- Vision doc for Nordic / EU harmonisation

REPOS IN PLAY

hl7-eu/coalesced

fhir-fi/nordic-base

Sensotrend/multi-profile-validation