

Comparative Analysis of Clinical Terminology Servers : A Quest for an Improved Solution

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A domain-specific framework for supporting semantic interoperability in primary and secondary use of health data on the example of the Estonian National Health Information System = Tervishoiu domeenipõhise semantilise raamistiku loomine terviseandmete esmaseks ja teiseks kasutamiseks Eesti Tervise infosüsteemi näitel

Bossenko, Igor 2025 https://www.ester.ee/record=b5730672*est <https://digikogu.taltech.ee/et/Item/a9944a4a-52e0-483e-9435-c6dc210745de>
<https://doi.org/10.23658/taltech.9/2025>

Evaluating business meta-models for semantic interoperability with FHIR resources

Randmaa, Rainer; Bossenko, Igor; Klementi, Toomas; Piho, Gunnar; Ross, Peeter HEDA 2022 : Proceedings of the International Health Data Workshop, co-located with 10th International Conference on Petrinets, Petri Nets 2022 2022 / p. 1-14
https://ceur-ws.org/Vol-3264/HEDA22_paper_5.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#)

Forward and backward compatibility design techniques applying the HL7 FHIR standard

Bossenko, Igor; Piho, Gunnar; Ross, Peeter HEDA 2022 : Proceedings of the International Health Data Workshop, co-located with 10th International Conference on Petrinets, Petri Nets 2022 2022 / p. 1-14 https://ceur-ws.org/Vol-3264/HEDA22_paper_14.pdf
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Health Sense: universaalse andmemudeli ja raviteekondade järjepidevuse standardi väljatöötamine lähtudes rahvusvahelistest uue põlvkonna terviseinfosüsteemide standarditest

Ross, Peeter; Metsallik, Janek; Kankainen, Kristian Juha Ismo; Bossenko, Igor; Mäe, Carmen; Maasik, Mall 2023
<https://digikogu.taltech.ee/et/Item/161b7131-f2f4-4022-9d6e-c50fde38b224> <https://zenodo.org/records/14599236>

Interoperability of health data using FHIR Mapping Language : transforming HL7 CDA to FHIR with reusable visual components

Bossenko, Igor; Randmaa, Rainer; Piho, Gunnar; Ross, Peeter Frontiers in digital health 2024 / art. 1480600, 25 p. : ill
<https://doi.org/10.3389/fdgth.2024.1480600> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Migration from HL7 CDA to FHIR in infectious disease system of Estonia

Bossenko, Igor; Linna, Kerli; Piho, Gunnar; Ross, Peeter Studies in Health Technology and Informatics ; 299 2022 / p. 275-278
<https://doi.org/10.3233/SHTI220998> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Migration from HL7 Clinical Document Architecture (CDA) to Fast Health Interoperability Resources (FHIR) in infectious disease information system of Estonia

Bossenko, Igor; Linna, Kerli; Piho, Gunnar; Ross, Peeter SAC '23: Proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing 2023 / p. 882-885 <https://doi.org/10.1145/3555776.3577836>

Modelling a patient identifier system in the Estonian National Health Information System

Bossenko, Igor; Piho, Gunnar; Ross, Peeter Digital Economy. Emerging Technologies and Business Innovation 9th International Conference on Digital Economy, ICDEc 2024, Rabat, Morocco, May 9–11, 2024, Proceedings, Part II 2024 / p. 132-145
https://doi.org/10.1007/978-3-031-76368-7_10

RadLex and SNOMED CT integration : a pilot study for standardising radiology classification

Marquis, Merit; Bossenko, Igor; Ross, Peeter Insights into Imaging 2025 / art. 58, 6 p <https://doi.org/10.1186/s13244-025-01935-5>

Standardizing X-ray and angiography procedure coding in Estonia : validating TermX through the implementation of SNOMED CT

Marquis, Merit; Bossenko, Igor; Ross, Peeter Digital Health and Informatics Innovations for Sustainable Health Care Systems : Proceedings of MIE 2024 2024 / p. 53-54 <https://doi.org/10.3233/SHTI240342> [Conference proceedings at Scopus](#) [Article at Scopus](#)

TermX: a game changer in the healthcare interoperability

Bossenko, Igor; Piho, Gunnar; Ross, Peeter Digital Health and Informatics Innovations for Sustainable Health Care Systems 2024 / p. 88–89 : ill <https://doi.org/10.3233/SHTI240352> [Conference proceedings at Scopus](#) [Article at Scopus](#)

TermX: The semantic interoperability, knowledge management and sharing platform

Bossenko, Igor; Piho, Gunnar; Ivanova, Marina; Ross, Peeter SoftwareX 2024 / art. 101839, 7 p. : ill
<https://doi.org/10.1016/j.softx.2024.101839> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TermX—bridging the Gap: implementing CTS2 and FHIR compatible terminology server

Ivanova, Marina; Bossenko, Igor; Piho, Gunnar Proceedings of Ninth International Congress on Information and Communication Technology, ICICT 2024, London. Volume 1 2024 / p. 277-287 : ill https://doi.org/10.1007/978-981-97-4581-4_20 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)