

Access rights and organizational management in implementation of Estonian Electronic Health Record System = Pääsuõiguste ja organisatsiooniliste meetmete rakendamine Eesti tervise infosüsteemi näitel

Tiik, Madis 2012 <https://digi.lib.ttu.ee/i/7813>

An evaluation of e-prescribing at a national level

Parv, Liisa; Kruus, Priit; Mötte, Kaie; Ross, Peeter Informatics for health and social care 2014 / p. 78-95

<https://doi.org/10.3109/17538157.2014.948170> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Anonymization methods of structured health care data : a literature review

Vovk, Olga; Piho, Gunnar; Ross, Peeter Model and Data Engineering : 10th International Conference, MEDI 2021, Tallinn, Estonia, June 21–23, 2021 : proceedings 2021 / p. 175-189 https://doi.org/10.1007/978-3-030-78428-7_14 Conference Proceedings at Scopus

[Article at Scopus](#)

Assessing opportunities and barriers to improving the secondary use of health care data at the national level : multicase study in the Kingdom of Saudi Arabia and Estonia

Metsallik, Janek; Draheim, Dirk; Sabic, Zlatan; Novak, Thomas; Ross, Peeter Journal of Medical Internet Research 2024 / art. e53369 <https://doi.org/10.2196/53369> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Ivanova, Marina; Bossenko, Igor; Piho, Gunnar; Ross, Peeter Digital Economy. Emerging Technologies and Business Innovation. ICDEc 2024 : proceedings 2024 / p. 107–118 https://doi.org/10.1007/978-3-031-76368-7_8

A comparison of approaches to providing patients access to summary care records across old and new Europe : an exploration of facilitators and barriers to implementation

De Lusignan, Simon; Ross, Peeter; Shifrin, Michael; Hercigonja-Szekeres, Mira; Seroussi, Brigitte Proceedings of the 14th World Congress on Medical Informatics ; MEDINFO 2013 2013 / p. 397 - 401 <https://doi.org/10.3233/978-1-61499-289-9-397> Conference Proceedings at Scopus Article at Scopus Article at WOS

Contextual factors of patients' access to electronic health records in four European countries : a socio-technical cross-country analysis

Moll, Jonas; Scandurra, Isabella; Bärkås, Annika; Blease, Charlotte; Hägglund, Maria; Hörhammer, Iiris; Kane, Bridget; Kristiansen, Eli; Ross, Peeter; Klein, Gunnar O. Journal of Medical Internet Research 2023 / 30 p <https://preprints.jmir.org/preprint/55752> <https://s3.ca-central-1.amazonaws.com/assets.jmir.org/assets/preprints/preprint-55752-accepted.pdf>

Corrigendum to “Patient Access to Electronic Health Records: Differences Across Ten Countries” [Health Policy and Technology, 7 (2018), 44–56] (S2211883717300722) (10.1016/j.hlpt.2017.11.003))

Essén, Anna; Scandurra, Isabella; Gerrits, Reinie; Humphrey, Gayl; Johansen, Monika Alise; Kierkegaard, Patrick; Ross, Peeter Health Policy and Technology 2018 / p. 224 <https://doi.org/10.1016/j.hlpt.2018.04.001> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A country-wide teledermatology service in Estonia shows results comparable to those in experimental settings in management plan development and diagnostic accuracy : a retrospective database study

Koop, Christian; Kruus, Priit; Hallik, Riina; Lehemets, Hannes; Vettus, Elen; Niin, Marianne; Ross, Peeter; Kingo, Külli JAAD International 2023 / p. 81-89 <https://doi.org/10.1016/j.jdin.2023.02.019> Journal metrics at Scopus Article at Scopus Article at WOS

Data sharing and shared workflow in medical imaging = Jagatud andmebaasid ja töövood pildidiagnostikas

Ross, Peeter 2011

Development of a model for the prevention of work-related musculoskeletal disorders in the upper extremities = Tööga seotud käte ja õlavöötme ülekoormushaiguste ennetusmodeli väljatöötamine

Pille, Viive 2016 <https://digi.lib.ttu.ee/i/?6970> https://www.ester.ee/record=b4632304*est

Digimeditsiinis oodatakse rätsepatööd

Ross, Peeter Tervis Pluss 2022 / lk. 22-24 : fot <https://tervispluss.delfi.ee/artikkel/120021460/digimeditsiinis-oodatakse-ratsepatood> https://www.ester.ee/record=b1453514*est

Digitaalsete dokumentide jagamise standardprofiilid tervishoius

Ross, Peeter; Mill, Raul Eesti Arst 2013 / lk. 516-523 https://artiklid.elnet.ee/record=b2644115*est

Digitaalsete tervisetehnoloogiate hindamisraamistiku töötoad : raport

Elland, Maarja-Liis; Kuldkepp, Kristiina; Tomson, Marju; Lubi, Kadi; Ross, Peeter; Ross, Tanel 2022 <http://https://haigekassa.ee/haigekassa/eesti-haigekassa/uuringud-ja-analuusid>

Digital health data capture with a controlled natural language

Kankainen, Kristian Juha Ismo; Listenmaa, Inari; Piho, Gunnar; Ross, Peeter Caring is sharing – exploiting the value in data for health and innovation : proceedings of MIE 2023 2023 / p. 829 - 830 <https://doi.org/10.3233/SHIT230280> Conference Proceedings at

Digitervise lahenduste tasustamist toetav raamistik ja ettepanekud [Võrguteavik]

Kruus, Priit; Kuslapuu, Maarja; Ross, Tanel; Elland, Maarja-Liis; Ross, Peeter; Metsallik, Janek; Metsla, Kerli 2020 [Digitervise lahenduste...](#)

Direct demonstration of tissue uptake of an inhaled drug: proof-of-principle study using matrix-assisted laser desorption ionization mass spectrometry imaging

Fehniger, Thomas Edward; Vegvari, Akos; Rezeli, Melinda; Prikk, Kaiu; Ross, Peeter; Dahlbäck, Magnus; Edula, Goutham; Sepper, Ruth; Marko-Varga, György Analytical chemistry 2011 / p. 8329-8336 : ill <https://pubs.acs.org/doi/10.1021/ac2014349>

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>

Economically affordable anatomical kidney phantom with calyces for puncture and drainage training in interventional urology and radiology

Ristolainen, Asko; Ross, Peeter; Gavšin, Juri; Semjonov, Eero; Kruusmaa, Maarja Acta radiologica short reports 2014 / p. 1-7 : ill

Eesti terviseinfosüsteemi majandusmõju/puustulu hindamine. TOF-DIGIMÕJU projekti lõpparuanne

Saluse, Janek; Aaviksoo, Ain; Ross, Peeter; Tiik, Madis; Parv, Liisa; Sepper, Ruth; Pohjonen, Hanna; Jakovlev, Ülle; Enni, Kaia Eesti Arst 2010 / 10, lk. 659-696 : ill https://artiklid.elnet.ee/record=b2167701*est

E-Health Innovations in Estonia

Ross, Peeter Cardiology 2015 / p. 14 <https://www.karger.com/Article/Abstract/431110>

Estonian case for mapping the needs and challenges for assessment of digital health technologies

Lubi, Kadi; Kruus, Liis; Kuldkepp, Kristiina; Tomson, Marju; Ross, Peeter; Ross, Tanel; Elland, Maarja-Liis Patient education and counseling 2023 / p. 118 <https://www.sciencedirect.com/science/article/pii/S0738399122007431> <https://doi.org/10.1016/j.pec.2022.10.271>

E-tervise keskus = Centre for Digital Health

Ross, Peeter Tervisetehnoloogiad eile, täna, homme : 30 aastat Tervisetehnoloogiaste instituuti ning Eesti Biomeditsiinitehnika ja Meditsiinfüüsika Ühingu = Health technologies yesterday, today and tomorrow : 30 years of the Department of Health Technologies and the Estonian Society for Biomedical Engineering and Medical Physics 2024 / lk. 29-30, p. 27-28 : ill

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](#)

Evaluation of anonymization tools for health data

Vovk, Olga; Piho, Gunnar; Ross, Peeter Advances in Model and Data Engineering in the Digitalization Era : MEDI 2021 International Workshops: DETECT, SIAS, CSMML, BIOC, HEDA, Tallinn, Estonia, June 21–23, 2021 : proceedings 2021 / p. 302–313 https://doi.org/10.1007/978-3-030-87657-9_23 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Evaluation of data quality in the Estonian National Health Information System for digital decision support

Bertl, Markus; Kankainen, Kristian Juha Ismo; Piho, Gunnar; Draheim, Dirk; Ross, Peeter Proceedings of the 3rd International Health Data Workshop (HEDA 2023) co-located with Software Technologies: Applications and Foundations (STAF 2023) : Leicester, United Kingdom, July 21, 2023. Vol. 3440 2023 / paper 1, 13 p. : ill <https://ceur-ws.org/Vol-3440/paper1.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Evaluation of deep learning-based depression detection using medical claims data

Bertl, Markus; Bignoumba, Nzamba; Ross, Peeter; Ben Yahia, Sadok; Draheim, Dirk Artificial intelligence in medicine 2024 / art. 102745, 16 p. : ill <https://doi.org/10.1016/j.artmed.2023.102745> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of deep learning-based depression detection using medical claims data : preprint

Bertl, Markus; Bignoumba, Nzamba; Ross, Peeter; Ben Yahia, Sadok; Draheim, Dirk SSRN 2023 / p. 1-34 : ill <https://doi.org/10.2139/ssrn.4478987>

Extendable data model for universal health records

Reilent, Enar; Lõõbas, Ivor; Kuusik, Alar; Parve, Marko; Ross, Peeter AMA-IEEE Medical Technology Conference : Boston, 16-18 October 2011 2011 / [2] p. : ill

Finding indicator diseases of psychiatric disorders in BigData using Clustered Association rule mining

Bertl, Markus; Shahin, Mahtab; Ross, Peeter; Draheim, Dirk SAC '23: proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing : Tallinn Estonia, March 27-31, 2023 2023 / art. 4, p. 826-833 : tab <https://doi.org/10.1145/3555776.3577594>

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](#)

Future opportunities for systematic AI support in healthcare

Bertl, Markus; Piho, Gunnar; Draheim, Dirk; Ross, Peeter; Pechmann, Ludwig; Bucciarelli, Nicholas; **Sharma, Rahul** Bridging the Gap Between AI and Reality : First International Conference, AISoLA 2023, Crete, Greece, October 23–28, 2023, Selected Papers 2024 / p. 203 - 224 https://doi.org/10.1007/978-3-031-73741-1_13 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

General practitioners' user experience of the nationwide digital decision support system in primary care

Steinmiller, Jekaterina; Ross, Peeter Digital Health 2024 <https://doi.org/10.1177/20552076241271816> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

How domain engineering can help to raise adoption rates of artificial intelligence in healthcare

Bertl, Markus; Klementi, Toomas; Piho, Gunnar; Ross, Peeter; Draheim, Dirk Information Integration and Web Intelligence, 25th International Conference, iiWAS 2023, Denpasar, Bali, Indonesia, December 4–6, 2023 : proceedings 2023 / p. 490-504
https://doi.org/10.1007/978-3-031-48316-5_1 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Importance of data quality in nation-wide e-health system for personalized medicine decision support applications

Ross, Peeter 7th Baltic Atherosclerosis Society Congress : [abstracts] 2018 / p. 31 http://www.ester.ee/record=b4819912*est

Improving the data compatibility of PHR and telecare solutions

Reilent, Enar; Kuusik, Alar; Lööbas, Ivor; Ross, Peeter 5th European Conference of the International Federation for Medical and Biological Engineering : 14-18 September 2011, Budapest, Hungary 2012 / p. 925-928 https://link.springer.com/chapter/10.1007/978-3-642-23508-5_240

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](#)

Kaheksa uut tenuuriprofessorit

Sell, Raivo; Pikas, Ergo; Hints, Olle; Veski, Siim; Lahtvee, Petri-Jaan; Ottis, Rain; Kiviste, Mihkel; Ross, Peeter Mente et Manu 2021 / lk. 48-51 : portr [Mente et Manu 1/2021](#) https://www.ester.ee/record=b1242496*est

Kolumn: Tehnoloogia ja koroonapandeemia [Võrguväljaanne]

Ross, Peeter mu.ee 2021 ["Kolumn: Tehnoloogia ja koroonapandeemia"](#)

Lipid-lowering treatment gaps in patients after acute myocardial infarction: using global database TriNetX

Talviste, Grete; Leinsalu, Mall; **Ross, Peeter; Viigimaa, Margus** Medicina 2024 / art. 1433 <https://doi.org/10.3390/medicina60091433>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Low cost anatomically realistic renal biopsy phantoms for interventional radiology trainees

Hunt, Andres; Ristolainen, Asko; Ross, Peeter; Öpik, Rivo; Krumme, Andres; Kruusmaa, Maarja European journal of radiology 2013 / p. 594-600 : ill <https://doi.org/10.1016/j.ejrad.2012.12.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Maintaining data integrity in electronic health records with hyperledger fabric

Kask, Marten; Klementi, Toomas; Piho, Gunnar; Ross, Peeter HEDA 2023: International Health Data Workshop : proceedings of the 3rd International Health Data Workshop (HEDA 2023), co-located with Software Technologies: Applications and Foundations (STAF 2023) : Leicester, United Kingdom, July 21, 2023 2023 <https://ceur-ws.org/Vol-3440/> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Methods and tools for healthcare data anonymization : a literature review

Vovk, Olga; Piho, Gunnar; Ross, Peeter International Journal of General Systems 2023 / p. 326-342 : ill
<https://doi.org/10.1080/03081079.2023.2173749> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mida digitaliseerimine tervishoius tegelikult muudab?

Filippov, Madis med24.ee 2023 [Mida digitaliseerimine tervishoius tegelikult muudab?](#)

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>

Mismatch of sleep and work arrangements among research and development employees and personalisation of sleep studies = Teadus- ja arendustöötajate une ja töökorralduse ebakõlad ning uneuuringute personaliseerimine

Sõoru, Erve 2019 <https://digi.lib.ttu.ee/i/?13701>

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

The NORDeHEALTH 2022 patient survey : cross-sectional study of national patient portal users in Norway, Sweden, Finland, and Estonia

Hägglund, Maria; Kharko, Anna; Hagström, Josefin; Bärkås, Annika; Blease, Charlotte; Cajander, Åsa; DesRoches, Catherine; Fagerlund, Asbjørn Johansen; **Haage, Barbara**; Huvila, Isto; Hörhammer, Iiris; Kane, Bridget; Klein, Gunnar O.; Kristiansen, Eli; **Luks, Kerli; Ross, Peeter; Soone, Hedvig** Journal of Medical Internet Research 2023 / art. e47573 <https://doi.org/10.2196/47573>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A Nordic perspective on patient online record access and the European health data space

Hägglund, Maria; Kharko, Anna; Bärkås, Annika; Blease, Charlotte; Cajander, Åsa; DesRoches, Catherine; Fagerlund, Asbjørn Johansen; Hagström, Josefin; **Ross, Peeter** Journal of Medical Internet Research 2024 / p. e49084 <https://doi.org/10.2196/49084>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Patient access to electronic health records : differences across ten countries

Essen, Anna; Scandurra, Isabella; Gerrits, Reinie; Humphrey, Gayl; Johansen, Monika Alise; Kierkegaard, Patrick; Koskinen, Jani; **Ross, Peeter** Health policy and technology 2018 / p. 44–56 <https://doi.org/10.1016/j.hlpt.2017.11.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Patient input into the electronic health record: co-designing solutions with patients and healthcare professionals

Dudkina, Anna; Kujala, Sari; Hägglund, Maria; Kharko, Anna; Wang, Bo; **Soone, Hedvig; Ross, Peeter** Digital Health and Informatics Innovations for Sustainable Health Care Systems : Proceedings of MIE 2024 2024 / p. 1477-1481
<https://doi.org/10.3233/SHTI240693> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Patient opportunities in the Estonian electronic health record system

Tiik, Madis; Ross, Peeter Medical and care computetics. 6 2010 / p. 171-177 : ill

Peeter Ross: radioloogia areng on väga kiire ja liigub aina enam mitmemõõtmelise pildi esitamise suunas

Ross, Peeter med24.ee 2024 [Peeter Ross: radioloogia areng on väga kiire ja liigub aina enam mitmemõõtmelise pildi esitamise suunas](#)

Predicting psychiatric diseases using autoAI : a performance analysis based on health insurance billing data

Bertl, Markus; Ross, Peeter; Draheim, Dirk Database and Expert Systems Applications : 32nd International Conference, DEXA 2021, Virtual Event, September 27-30, 2021 : proceedings. Part I 2021 / p. 104-111 https://doi.org/10.1007/978-3-030-86472-9_9
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Preserving decentralized EHR-s integrity

Kask, Marten; Klementi, Toomas; Piho, Gunnar; Ross, Peeter Telehealth ecosystems in practice : proceedings of the EFMI special topic conference 2023 2023 / p. 296 - 297 <https://doi.org/10.3233/SHTI230801>

Professor Peeter Ross: suured muutused võtavad isegi väikses Eestis kümme aastat aega [Võrguväljaanne]

Ross, Peeter digi.geenius.ee 2022 ["Professor Peeter Ross: suured muutused võtavad isegi väikses Eestis kümme aastat aega"](#)

Prospective research topics towards preserving electronic health records in decentralised content-addressable storage networks

Klementi, Toomas; Kankainen, Kristian Juha Ismo; Piho, Gunnar; Ross, Peeter HEDA 2022 : The International Health Data Workshop HEDA 2022 2022 / code 184051 https://ceur-ws.org/Vol-3264/HEDA22_paper_7.pdf [Conference Proceedings at Scopus](#)

[Article at Scopus](#)

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>

A reference architecture for personal health data spaces using decentralized content-addressable storage networks

Klementi, Toomas; Piho, Gunnar; Ross, Peeter *Frontiers in Medicine* 2024 / art. 1411013

<https://doi.org/10.3389/fmed.2024.1411013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A report on the survey. Attitudes of Estonian healthcare professionals to internet-delivered cognitive behavioural therapy

Sogomonjan, Melita; Kerikmäe, Tanel; Ööpik, Pille; Ross, Peeter *Cogent psychology* 2019 / art. 1637623, 12 p

<https://doi.org/10.1080/23311908.2019.1637623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

SEE NÄITAB JU AIATEIBAIID! Kas terviseportaali võiks lisada ka nutikella andmed?

Maasikamäe, Sirje; Metsallik, Janek *ohtuleht.ee* 2024 <https://www.ohtuleht.ee/tervis/1118333/see-naitab-ju-aiateibaid-kas-terviseportaali-voiks-lisada-ka-nutikella-andmed>

Shielding static magnetic fields from Magnetic Resonance Imaging units by ferromagnetic material

Koppel, Tarmo; Ross, Peeter; Vilcane, Inese *EMBE & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBE) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC)*, Tampere, Finland, June 2017 2018 / p. 743-746 : ill https://doi.org/10.1007/978-981-10-5122-7_186 [Conference proceedings at Scopus](#)

[Article at Scopus](#) [Article at WOS](#)

Sociotechnical cross-country analysis of contextual factors that impact patients' access to electronic health records in 4 European countries: framework evaluation study

Moll, Jonas; Scandurra, Isabella; Bärkås, Annika; Blease, Charlotte; Hägglund, Maria; Hörhammer, Iiris; Kane, Bridget; Kristiansen, Eli; Ross, Peeter; Åhlfeldt, Rose-Mharie *Journal of Medical Internet Research* 2024 / art. e55752, 16 p. <https://doi.org/10.2196/55752>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A survey on AI and decision support systems in psychiatry – Uncovering a dilemma

Bertl, Markus; Ross, Peeter; Draheim, Dirk *Expert Systems with Applications* 2022 / art. 117464, 14 p. : ill

<https://doi.org/10.1016/j.eswa.2022.117464> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Systematic AI support for decision-making in the healthcare sector : obstacles and success factors

Bertl, Markus; Ross, Peeter; Draheim, Dirk *Health policy and technology* 2023 / art. 100748, 8 p. : ill

<https://doi.org/10.1016/j.hlpt.2023.100748> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Systematic AI support for psychiatry : a framework on how to implement decision support systems = Tehisintellekti süstemaatiline kasutamine psühhiaatrias : otsustustoe rakendamist toetav raamistik

Bertl, Markus 2023 <https://doi.org/10.23658/taltech.57/2023> <https://digikogu.taltech.ee/et/Item/a77022c7-b2af-46f9-ae83-62fe04f9bc72> https://www.ester.ee/record=b5645221*est

A systematic literature review of AI-based digital decision support systems for post-traumatic stress disorder

Bertl, Markus; Metsallik, Janek; Ross, Peeter *Frontiers in Psychiatry* 2022 / art. 923613, 13 p. : ill

<https://doi.org/10.3389/fpsy.2022.923613> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Systematic literature review of methods for maintaining data integrity

Kask, Marten; Piho, Gunnar; Ross, Peeter *Advances in Model and Data Engineering in the Digitalization Era : MEDI 2021*

International Workshops: DETECT, SIAS, CSMML, BIOC, HEDA, Tallinn, Estonia, June 21–23, 2021 : proceedings 2021 / p. 259–268 https://doi.org/10.1007/978-3-030-87657-9_20 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

TalTech panustab tervisetehnoloogiate arendamisse ja kiirese rakendamisse

Härmat, Karin *Mente et Manu* 2019 / lk. 38-39 : fot https://www.ester.ee/record=b1242496*est https://www.ttu.ee/public/m/mente-et-manu/MM_04_2019/mobile/index.html

Teenetemärgi saanud Peeter Ross: peame õppima üksteisega koostööd tegema

novaator.err.ee 2024 [Teenetemärgi saanud Peeter Ross: peame õppima üksteisega koostööd tegema](https://novaator.err.ee/teenetemargi-saanud-peeter-ross-peame-oppima-ukesteisega-koostood-tegema)

Tehnoloogia ja koroonapandeemia

Ross, Peeter *Mente et Manu* 2021 / lk. 18-19 : portr https://www.ester.ee/record=b1242496*est

Ten years of the e-Health system in Estonia

Metsallik, Janek; Ross, Peeter; Draheim, Dirk; Piho, Gunnar *Proceedings of the 3rd International Workshop on (Meta)Modelling for Healthcare Systems* : Bergen, Norway, June 13th, 2018 2018 / p. 6-15 : ill <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063545781&partnerID=40&md5=f41245c5435512866e6bcbaf5a03ba85> <http://ceur-ws.org/Vol-2336/> [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>

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](#)

Testing the applicability of digital decision support on a nationwide EHR

Metsallik, Janek; Ross, Peeter Digital Economy. Emerging Technologies and Business Innovation : 6th International Conference on Digital Economy, ICDEc 2021, Tallinn, Estonia, July 15–17, 2021 : proceedings 2021 / p. 134–146 https://doi.org/10.1007/978-3-030-92909-1_9 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Understanding failure in digital health implementation – a case study of Implementing Computerised Cognitive Behaviour Therapy (cCBT) in Estonia = Mõtestades e-Tervise rakendamise ebaõnnestumist - arvutipõhise kognitiivse käitumisteraapia (KKT) rakendamise juhtumiuuring Eestis

Sogomonjan, Melita 2024 https://www.ester.ee/record=b5688807*est <https://digikogu.taltech.ee/et/Item/8c38b3ae-9f7e-492a-9b5a-42abae0e98f2> <https://doi.org/10.23658/taltech.33/2024>

Using SNOMED CT as a semantic model for controlled natural language guided capture of clinical data

Kankainen, Kristian Juha Ismo; 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 / 13 p. https://ceur-ws.org/Vol-3264/HEDA22_paper_9.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#)

Visioon: Tuleviku patsiendiportaalis olgu tervisekalkulaator [Võrguväljaanne]

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