

## **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](https://doi.org/10.1007/978-3-030-78428-7_14) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

## **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](#)

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

**Ross, Peeter** 2011

## **Digimediitsiinis oodatakse rätsepatööd**

**Ross, Peeter** Tervis Pluss 2022 / lk. 22-24 : fot <https://tervispluss.delfi.ee/artikkel/120021460/digimediitsiinis-oodatakse-ratsepatood> [https://www.ester.ee/record=b1453514\\*est](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](https://artiklid.elnet.ee/record=b2644115*est)

## **Digitaalsete tervistehnoloogiate hindamisraamistiku töötoad : raport**

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

## **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

## **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/puhastulu 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](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>

## **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](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](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>

## **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>

**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](https://ceur-ws.org/Vol-3264/HEDA22_paper_14.pdf)  
[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](http://www.ester.ee/record=b4819912*est)

**Improving the data compatibility of PHR and telecare solutions**

**Reilent, Enar; Kuusik, Alar; Lõõbas, 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

**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](https://www.ester.ee/record=b1242496*est)

**Kolumn: Tehnoloogia ja koroonapandeemia [Võrguväljaanne]**

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

**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

**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  
<https://doi.org/10.1080/03081079.2023.2173749>

**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](#)

**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 opportunities in the Estonian electronic health record system**

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

**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](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](#)

**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](https://ceur-ws.org/Vol-3264/HEDA22_paper_7.pdf) [Conference Proceedings at Scopus](#)

**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](#)

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

**Koppel, Tarmo; Ross, Peeter; Vilcane, Inese** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) 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](https://doi.org/10.1007/978-981-10-5122-7_186)

**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>

**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](https://doi.org/10.1007/978-3-030-87657-9_20) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Tehnoloogia ja koroonapandeemia**

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

**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](https://doi.org/10.1007/978-3-030-92909-1_9) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**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](https://ceur-ws.org/Vol-3264/HEDA22_paper_9.pdf) [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Visioon: Tuleviku patsiendiportaalis olgu tervisekalkulaator [Võrguväljaanne]**

**Ross, Peeter** Meditsiiniuudised 2022 ["Visioon: Tuleviku patsiendiportaalis olgu tervisekalkulaator "](#)