

### **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](#)

### **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](#)

### **Autonomous driving in the real-world : the weather challenge in the Sohjoa Baltic Project**

Bellone, Mauro; Ismailogullari, Azat; **Müür, Jaanus;** Nissin, Oscar; **Sell, Raivo; Soe, Ralf-Martin** Towards connected and

autonomous vehicle highways : technical, security and social challenges 2021 / p. 229–255 [https://doi.org/10.1007/978-3-030-66042-0\\_9](https://doi.org/10.1007/978-3-030-66042-0_9)

[Article collection metrics at Scopus](#) [Article at Scopus](#)

### **Benchmarking usability of patient portals in Estonia, Finland, Norway, and Sweden**

Kujala, Sari; Simola, Saija; Wang, Bo; **Soone, Hedvig;** Hagström, Josefin; Bärkås, Annika; Hörhammer, Iris; Cajander, Åsa;

Johansen Fagerlund, Asbjørn; Kane, Bridget International Journal of Medical Informatics 2024 / art. 105302, 7 p

<https://doi.org/10.1016/j.ijmedinf.2023.105302> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Changes in EEG measures of a recipient of the mRNA COVID-19 vaccine - a case study**

**Uudeberg, Tuuli; Hinrikus, Hiie; Päeske, Laura;** Lass, Jaanus; Bachmann, Maie 2022 44th Annual International Conference of the

IEEE Engineering in Medicine & Biology Society (EMBC) 2022 / p. 3702-3705 <https://doi.org/10.1109/EMBC48229.2022.9871524>

[Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Citizens' access to their digital health data in eleven countries - a comparative study**

Nohr, Christian; Wong, Ming Chao; Turner, Paul; Almond, Helen; **Parv, Liisa** Exploring complexity in health : an interdisciplinary

systems approach : proceedings of MIE2016 at HEC2016 2016 / p. 685-689 : tab <https://doi.org/10.3233/978-1-61499-678-1-685>

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

### **Closed circuit video for organizational learning in emergency unit**

**Parv, Liisa;** Nøhr, Christian Driving quality in informatics : fulfilling the promise 2015 / p. 302-307 <https://doi.org/10.3233/978-1-61499-488-6-302>

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

### **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](#)

### **Comparison of one- two- and three-dimensional CNN models for drawing-test-based diagnostics of the Parkinson's disease**

Wang, Xuechao; Huang, Junqing; Chatzakou, Marianna; **Nömm, Sven; Valla, Elli;** Medijainen, Kadri; Taba, Pille; Toomela, Aaro;

Ruzhansky, Michael Biomedical signal processing and control 2024 / art. 105436, 8 p <https://doi.org/10.1016/j.bspc.2023.105436> [Journal](#)

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

### **COVID-19 mobile positioning data contact tracing and patient privacy regulations : exploratory search of global response strategies and the use of digital tools in Nigeria**

**Ekong, Iniobong; Chukwu, Emeka;** Chukwu, Martha JMIR mHealth and uHealth 2020 / art. e19139, 7 p. : ill

<https://doi.org/10.2196/19139> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Detection of bulbar involvement in patients with amyotrophic lateral sclerosis by machine learning voice analysis : diagnostic decision support development study**

Tena, Alberto; Claria, Francec; Solsona, Francesc; **Meister, Einar;** Povedano, Monica JMIR Medical Informatics 2021 / e21331, 18

p. : ill <https://doi.org/10.2196/21331> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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/SHTI230280> [Conference Proceedings at](#)

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

### **Distributed ledger-based system to support health data integrity and transparency**

**Kask, Marten; Piho, Gunnar; Ross, Peeter** Digital Health and Informatics Innovations for Sustainable Health Care Systems 2024 /

p. 1231 - 1232 <https://doi.org/10.3233/SHTI240633> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Editorial: Innovations in depression diagnosis and treatment outcome monitoring**

Čukić, Milena B.; Savić, Danka; **Bachmann, Maie** Frontiers in digital health 2023 / art. 1224999, 3 p

**Editorial: Trustworthy AI for healthcare**

Agafonov, Oleg; Babic, Aleksandar; **Da Costa Sousa, Sonia Claudia**; Alagaratnam, Sharmini *Frontiers in Digital Health* 2024 / art. 1427233 <https://doi.org/10.3389/fdgth.2024.1427233> [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**

**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](#)

**Frontline healthcare professionals' views regarding the impact of COVID-19 on ethical decision-making : a multicentre mixed-methods study from Estonia**

Simm, Kadri; **Zameska, Jay**; **Lubi, Kadi** *Healthcare* 2022 / art. 711 <https://doi.org/10.3390/healthcare10040711> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Hsa-mir-548 family expression in human reproductive tissues**

**Rooda, Ilmatar**; **Kaselt, Birgitta**; **Liivrand, Maria**; **Smolander, Olli-Pekka**; Salumets, Andres; **Velthut-Meikas, Agne** *BMC Genomic Data* 2021 / Art. 40 <https://doi.org/10.1186/s12863-021-00997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**In-phase matrix profile : a novel method for the detection of major depressive disorder**

**Uudeberg, Tuuli**; **Belikov, Juri**; **Päeske, Laura**; **Hinrikus, Hiie**; **Liiv, Innar**; **Bachmann, Maie** *Biomedical Signal Processing and Control* 2024 / art. 105378 <https://doi.org/10.1016/j.bspc.2023.105378> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**In-vitro investigation of flow profiles in arteries using the photoplethysmograph**

**Pilt, Kristjan**; May, James M.; Kyriacou, Panayiotis A. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)* 2021 / p. 7211-7214 <https://doi.org/10.1109/EMBC46164.2021.9629713> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**LSTM-CNN : an efficient diagnostic network for Parkinson's disease utilizing dynamic handwriting analysis**

Wang, Xuechao; Huang, Junqing; Chatzakou, Marianna; Medijainen, Kadri; Toomela, Aaro; **Nömm, Sven**; Ruzhansky, Michael *Computer Methods and Programs in Biomedicine* 2024 / art. 108066 <https://doi.org/10.1016/j.cmpb.2024.108066> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Methods for classifying depression in single channel EEG using linear and nonlinear signal analysis**

**Bachmann, Maie**; **Päeske, Laura**; **Kalev, Kaia**; **Aarma, Katrin**; Lehtmets, Andres; Ööpik, Pille; **Lass, Jaanus**; **Hinrikus, Hiie** *Computer methods and programs in biomedicine* 2018 / p. 11–17 : ill <https://doi.org/10.1016/j.cmpb.2017.11.023> [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/SHIT220998> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Minor and parental access to electronic health records : differences across four countries**

Hagström, Josefin; Scandurra, Isabella; Moll, Jonas; Blease, Charlotte; **Haage, Barbara**; Hörhammer, Iiris; Häggglund, Maria *Challenges of Trustable AI and Added-Value on Health* 2022 / p. 495 - 499 <https://doi.org/10.3233/SHIT220508> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

Häggglund, 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 informed consent, ethical and legal considerations in the context of digital vulnerability with smart, cardiac implantable electronic devices**

Torgersen, Leanne N.S.; Schulz, Stefan M.; **Lugo, Ricardo Gregorio**; Sütterlin, Stefan PLOS Digital Health 2024 / art. e0000507  
<https://doi.org/10.1371/journal.pdig.0000507> [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](#)

### **Portable qEEG and HD-tCS device for point-of-injury traumatic brain injury diagnostics**

Strisland, Frode; Vedum, Jon; Liverud, Anders; Dalgard, Steffen; Brødreskift, Tomas; Albert, Bruno; Noyvirt, Alexandre; **Vene, Karl**; **Herranen, Henrik**; **Kirs, Maarjus** Phealth 2017 : proceedings of the 14th International Conference on Wearable Micro and nano Technologies for Personalized Health : 14-16 May 2017, Eindhoven, The Netherlands 2017 / p. 198-203  
<https://doi.org/10.3233/978-1-61499-761-0-198> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Reliability of electroencephalogram-based individual markers - case study**

**Uudeberg, Tuuli**; **Päeske, Laura**; **Hinrikus, Hiie**; **Lass, Jaanus**; **Bachmann, Maie** 2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2020 / p. 276 - 279 <https://doi.org/10.1109/EMBC44109.2020.9175274>  
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Single channel EEG analysis for detection of depression**

**Bachmann, Maie**; **Lass, Jaanus**; **Hinrikus, Hiie** Biomedical signal processing and control 2017 / p. 391-397 : ill  
<https://doi.org/10.1016/j.bspc.2016.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

### **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](#)

### **Study of electrode locations for joint acquisition of impedance- and electro-cardiography signals**

**Metshein, Margus**; Gautier, Antoine; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry; **Annus, Paul**; **Land, Raul**; **Märtens, Olev** 2021 43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) Oct 31 - Nov 4, 2021 : virtual conference 2021 / p. 7264-7267 : ill <https://doi.org/10.1109/EMBC46164.2021.9629504> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **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](#)

### **Transforming fatigue assessment : smartphone-based system with digitized motor skill tests**

**Valla, Elli**; **Toose, Ain-Joonas**; **Nõmm, Sven**; **Toomela, Aaro** International Journal of Medical Informatics 2023 / art. 105152  
<https://doi.org/10.1016/j.ijmedinf.2023.105152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Translation and cultural adaptation of IPOS (integrated palliative care outcome scale) in Estonia**

**Laisaar, Merli**; **Hallik, Riina**; Sillaste, Pille; Ragon, Ulvi; Pärn, Mari-Leen; Suija, Kaiu Journal of Patient-reported Outcomes 2021 / art. 15 <https://doi.org/10.1186/s41687-021-00288-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Traveling on discrete embeddings of gene expression**

Lovato, Pietro; Bicego, Manuele; **Kesa, Maria**; Jojic, Nebojsa; Murino, Vittorio; Perina, Alessandro Artificial Intelligence in Medicine 2016 / p. 1-11 <https://doi.org/10.1016/j.artmed.2016.05.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Tremor-related feature engineering for machine learning based Parkinson's disease diagnostics**

**Valla, Elli**; **Nõmm, Sven**; Medijainen, Kadri; Taba, Pille; Toomela, Aaro Biomedical signal processing and control 2022 / art. 103551

**User preferences for improving the estonian national e-Prescription service**

**Parv, Liisa**; Monkman, Helen; Laus, Raimo Context sensitive health informatics : many places, many users, many contexts, many uses 2015 / p. 15-19 : ill <https://doi.org/10.3233/978-1-61499-574-6-15> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Wearable data acquisition system of multimodal physiological signals for personal health care**

**Annus, Paul; Samiepour, Ali; Rist, Marek**; Ruiso, Indrek; **Krivošei, Andrei**; **Land, Raul**; **Parve, Toomas**; **Min, Mart** pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 107-112 : ill <https://doi.org/10.3233/978-1-61499-268-4-107> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Wearable system for non-invasive and continuous monitoring central aortic pressure curve and augmentation index**

**Krivošei, Andrei; Lamp, Jürgen; Min, Mart; Uuetoa, Tiina; Uuetoa, Hasso; Annus, Paul** pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 101-106 : ill <https://doi.org/10.3233/978-1-61499-268-4-101> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Views, use, and experiences of web-based access to pediatric electronic health records for children, adolescents, and parents : scoping review**

Hagström, Josefin; Blease, Charlotte; **Haage, Barbara**; Scandurra, Isabella; **Hansson, Scharlett**; Hägglund, Maria Journal of Medical Internet Research 2022 / art. e40328 <https://doi.org/10.2196/40328> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)