

Telemedicine and eHealth in Poland: Progress, Challenges, and Future Directions

Date: 13 April 2026

Organized by: Polish Telemedicine and eHealth Society and International Society for Telemedicine & eHealth (ISfTeH)

The Polish Telemedicine and eHealth Society hosted a rich and multidisciplinary webinar on the development of telemedicine and digital health in Poland, bringing together experts in clinical medicine, education, engineering, artificial intelligence, digital infrastructure, and industry innovation. The session offered a broad picture of how Poland has progressed from early telemedicine initiatives to increasingly integrated digital health systems, while also highlighting the challenges that remain in interoperability, workforce readiness, clinical workflows, and sustainable implementation.

Opening remarks were delivered by Dr. Michelle Griffith, President of ISfTeH, who emphasized the importance of international collaboration and knowledge exchange in advancing digital health worldwide.

“We are witnessing a global transition from isolated digital health initiatives to integrated systems that can improve access and outcomes worldwide.”

- Michelle Griffith, President, ISfTeH

The webinar was also framed as part of the ISfTeH National Members series, which aims to create a platform for cross-country learning and mutual support.

“This series is more than a sequence of webinars; it is a platform for exchange and mutual learning among national societies.”

- Prof. Hassan Ghazal, ISfTeH Board Member

The keynote presentation by **Wojciech Glinkowski**, titled *“Telemedicine and eHealth in Poland: Progress, Emerging Challenges, and the Need for Clinical Informatics and Digital Medicine as an Evolving Medical Specialty,”* provided a historical and strategic overview of telemedicine in Poland. He described the country’s development through several phases, from early technological foundations and pilot initiatives to the legal recognition of telemedicine, pandemic-driven acceleration, and the current phase of maturity, integration, and artificial intelligence. He stressed that Poland has progressed beyond experimentation, but that scaling

services is not enough unless systems become interoperable, clinically meaningful, and outcome-oriented.

“We are now moving from tools to systems.”

- Prof. Wojciech Glinkowski

He also underscored that the next stage of digital transformation requires a new type of clinician trained at the intersection of medicine, digital systems, and informatics.

“The adoption of telemedicine tools does not mean maturity.”

- Prof. Wojciech Glinkowski

The second presentation, **Rafał Doniec**, *Artificial Intelligence in Dental Materials*, showed how AI is extending into dentistry and related fields. He explained that AI can support imaging analysis, diagnostics, and treatment planning, especially when integrated with telemedicine and digital workflows. His presentation highlighted the growing role of AI as a decision-support layer rather than a substitute for clinical expertise.

“Artificial intelligence does not replace clinicians—it enhances diagnostic precision and supports decision-making.”

- Rafał Doniec

In **Barbara Jacennik’s** presentation, *Medical Education for Teleconsultation*, attention shifted to the human dimension of digital transformation. She reviewed evidence from undergraduate medical education indicating that teleconsultation competencies can be taught effectively through role-play, simulated patients, and AI-supported learning tools. Her talk reinforced that digital health transformation depends not only on technology, but on preparing future healthcare professionals to use it confidently and ethically.

“It is possible to successfully teach teleconsultation skills at the undergraduate level.”

- Barbara Jacennik

The talk by **Tomasz Cedro**, *Independent e-Health R&D*, focused on the engineering and entrepreneurship side of telemedicine. He emphasized that building meaningful eHealth products requires more than ideas: it requires technical design, prototyping, supply chains, funding, distribution, maintenance, and long-term strategy. He also highlighted the value of open-source approaches and modular engineering in making solutions more scalable, affordable, and globally reusable.

“Innovation is not just about ideas; it is about implementation.”

- Tomasz Cedro

A dedicated systems-level presentation was delivered by **Krzysztof Świtła and Bartłomiej Michalak**, *Polish healthcare system mobile application for Internet Patient Account (IKP/myIKP)*. They presented the Internet Patient Account as an important front-end layer of Poland’s national digital health ecosystem, enabling access to electronic health records, ePrescriptions, eReferrals, permissions management, and prevention-related services. They also situated IKP/myIKP within the wider legal and regulatory context, including GDPR, eIDAS, cybersecurity directives, and the evolving European Health Data Space. Their contribution demonstrated how Poland is building patient-facing digital infrastructure at a national scale.

Another forward-looking technical presentation was given by **Krzysztof Wołk**, *titled Edge AI and Multimodal Wearable Sensor Data Analysis in the EU-TRAINS Project: Towards Actionable Insights for Training and Remote Healthcare*. He described a European project that combines wearable sensors, edge computing, cloud systems, and multimodal data fusion to generate real-time, actionable insights for sports and healthcare applications. A central message of the talk was that remote monitoring should not mean simply sending raw data to the cloud, but rather generating rapid, meaningful feedback close to the user.

The clinical decision-support dimension was then explored by **Szymon Wilk**, *Decision support and coaching in the CAPABLE project*. He explained how the CAPABLE system was designed to support cancer patients, especially as cancer increasingly becomes a chronic condition managed largely at home. The platform combines clinician dashboards, patient coaching, wearable monitoring, and guideline-based AI support to improve quality of life and continuity of care. This presentation illustrated how telemedicine can evolve from episodic contact to sustained, evidence-based support.

“Cancer is becoming a chronic disease... patients need continuous remote monitoring and support.”

- Szymon Wilk

The webinar then shifted to **Industry Innovation Case Studies**, demonstrating how Polish innovators are addressing practical clinical problems with digital tools.

In **Piotr Krajewski’s** presentation, *“TelePathology with CancerCenterAI platform,”* he described a powerful real-world solution inspired by the long delays that cancer patients and families often face while waiting for a diagnosis. His platform combines digital pathology, AI-based image

analysis, radiology integration, and laboratory information systems to accelerate diagnosis and improve workflow efficiency. It also offers a lower-cost alternative to expensive scanners by digitizing microscope images through camera-based stitching. The platform is already being used by hospitals and universities, with a vision of expanding into molecular and genomic integration.

Pawel Elbanowski concluded the innovation session with *a talk on how a smart stethoscope with AI lung analysis can make patients', doctors', and nurses' lives easier*. He presented the Stetomi system, which combines an electronic stethoscope, mobile application, and AI analysis platform to detect abnormal lung sounds and support respiratory monitoring. Validated through clinical studies and already used in real-world settings, the solution showed how AI-assisted auscultation can reduce unnecessary doctor visits, support nurses during home visits, and provide faster reassurance or escalation for patients.

“Less guesswork, faster decisions, better outcomes.”

- Pawel Elbanowski

Across the full webinar, several common themes emerged.

First, Poland has made substantial progress in digital health infrastructure and services, but the current challenge is not simply expanding access to digital tools. The priority is now integration: connecting systems, embedding them into real clinical workflows, measuring outcomes, and training professionals accordingly.

Second, AI is no longer an abstract concept. It is already being applied in dentistry, pathology, respiratory monitoring, patient coaching, and wearable analytics. Yet the speakers consistently stressed that AI must support clinicians rather than replace them.

Third, education and workforce development are essential. Teleconsultation skills, digital workflows, and informatics competencies need to become part of mainstream medical preparation. The discussion around clinical informatics and digital medicine as evolving specialties reflected this growing need for hybrid leadership roles.

Fourth, meaningful digital health transformation requires governance, standards, and national coordination. Presentations on IKP/myIKP and the regulatory environment showed that policy frameworks, legal trust services, and secure infrastructure are central to sustainable scale.

Finally, the innovation case studies demonstrated that digital health has its greatest value when it responds directly to real clinical bottlenecks: delayed diagnosis, unnecessary visits, lack of specialist access, fragmented data, or poor continuity of care.

The webinar closed with a discussion around documentation analysis, nursing, international collaboration, and the broader transferability of Poland's experience to other countries. Speakers emphasized openness to further exchange and cooperation, including with African partners and other international stakeholders.

The webinar concluded with an open invitation for global collaboration, emphasizing that digital health transformation is inherently international and requires shared knowledge and joint innovation.

“Technology does not treat patients; clinicians do.”

- **Pr. Wojciech Glinkowski**

Poland's experience demonstrates that meaningful digital health transformation depends not only on technological advancement but on the alignment of systems, people, policy, and innovation.






International Society for Telemedicine & eHealth


National Members Webinar

Polish Telemedicine and e-Health Society

POLAND
2026-04-13


www.isfteh.org , www.telemedycyna.org





14:00 - 14:03
Michele Y. GRIFFITH

Official Welcome address from ISfTeH





14:00 - 14:03
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Official Welcome address from ISfTeH







Polish Telemecine Society
Polskie Towarzystwo Telemecyny i e-Zdrowia

Wojciech M. Glinkowski

Telemedicine and eHealth in Poland: Progress, Emerging Challenges, and the Need for Clinical Informatics and Digital Medicine as an Evolving Medical Specialty

Progress, Challenges, and What Comes Next

The real challenge now is building integrated systems and digitally competent clinical practice. Poland has moved beyond digital tools.

*Polish Telemecine and eHealth Society, 03-728 Warsaw, Poland
*Center of Excellence "TeleOrto" for Telediagnosics and Treatment of Disorders and Injuries of the Locomotor System, Department of Medical Informatics and Telemecine, Medical University of Warsaw, 00-581 Warsaw, Poland





Wojciech Glinkowski

Artificial Intelligence in Dental Materials



- Rafał Doniec
- Medical University of Silesia
- AI-driven decision support in dentistry

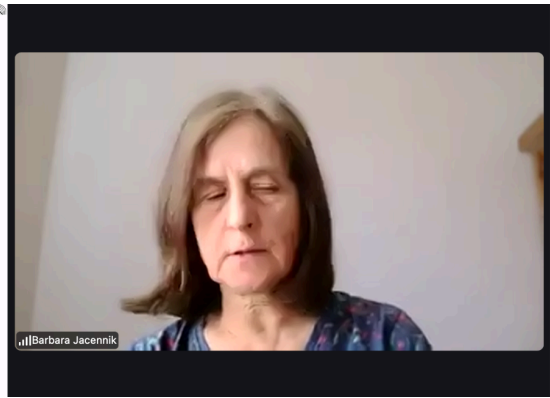


Rafał Doniec

Advantages of teleconsultation

- Accessibility to patients remotely
- Potential for regularity and continuity of care
- Influencing patients' motivation for self-care and treatment adherence
- Enabling the monitoring of patients' health and functional parameters

13-04-2026 Barbara Jacennik 2

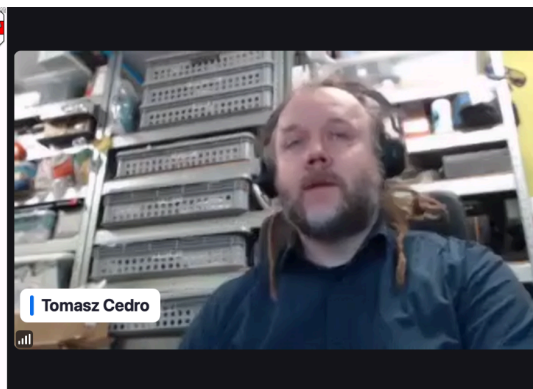


Independent e-Health R&D

- Polish Telemedicine and e-Health Society
 - Interdisciplinary, community driven non-profit effort.
 - Science, academia, medicine.
- CeDeROM
 - Independent ICT R&D consulting.
- IQCREDO
 - Independent e-Health R&D.
 - Engineering + medicine.
 - Consumer grade products.
 - IP based business model.

GOAL:
Idea -> Funding -> R&D -> Solution -> Product -> Funding -> Idea -> R&D -> ...

ISoTeH logo and Polish flag icon are present.



IKP & mojeIKP

Poland's Internet Patient Account:
Web Platform & Mobile Application



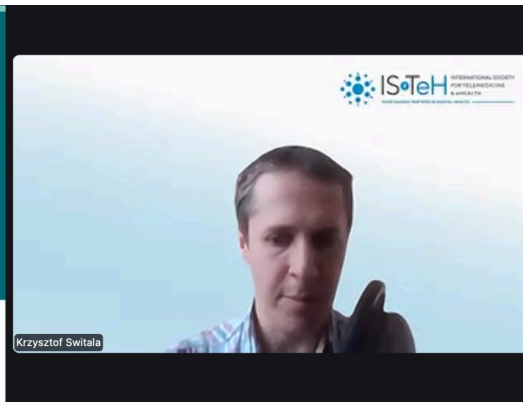
International Webinar · Cardinal Stefan Wyszyński University in Warsaw (UKSW) · 13 April 2026

Krzysztof Świtala & Bartłomiej Michalak



WMCM
UKSW

Wydział Medyczny, Collegium Medicum
UNIwersytet Kardynała
Stefana Wyszyńskiego
W WARSZAWIE



What EU-TRAINS is and why it matters

EU-TRAINS: Edge AI, Multimodal Wearables, and the Future of Remote Healthcare



- Horizon Europe project for multisport training and remote healthcare
- AI-based network of wearable sensors
- From patient monitoring to long-term health intelligence
- Useful for prevention, rehabilitation, and performance tracking
- Built on European technologies and supply chains



Motivation & Objectives



- Cancer telemedicine case with most treatments provided at home, follow-up visits are occasional
- A need for an evidence-based model of care with continuous remote monitoring and support (patients, physicians)

Decision support and coaching in CAPABLE project

Polish Telemedicine and e-Health Society
Poznań University of Technology
Develop a system to provide evidence-based coaching and decision support, aimed at improving the quality of life of cancer patients (better wellbeing and quality of care)



This project has received funding from the EU Horizon 2020 research and innovation programme under grant agreement No 875362



The Inspiration Jacob's Story

Long Wait
Delayed accurate diagnosis

Unnecessary Treatment
Underwent chemotherapy based on incorrect assessment

14:38 - 14:44
Piotr KRAJEWSKI



TelePathology with CancerCenterAI platform

Wrong Diagnosis
Lack of on-site experts led to preliminary misdiagnosis

Cancer Center Sp. z o.o.
Determination
Saved thanks to
CANCER CENTER AI

Jacob's case reveals critical gaps in cancer diagnostics that cost precious time and cause unnecessary suffering.

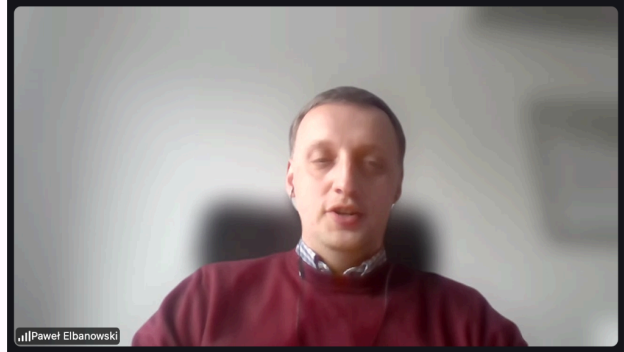


Platform for remote lungs examination & monitoring
that connects patients at home with clinics



How a smart stethoscope with AI lung analysis can make patients', doctors', and nurses' lives easier.

- Medically certified stethoscopes & algorithms
- Guided app for patients & nurses
- Platform for doctors to access sounds and AI reports




Join the Digital Health Revolution

Become part of our global community.

Together, we can:

- Transform healthcare delivery
- Improve patient outcomes
- Ensure quality care reaches everyone, everywhere

International Society for Telemedicine & eHealth (www.telemedycyna.org)
Polish Telemedicine and e-Health Society (www.isfeth.org)
Connecting Care, Transforming Lives



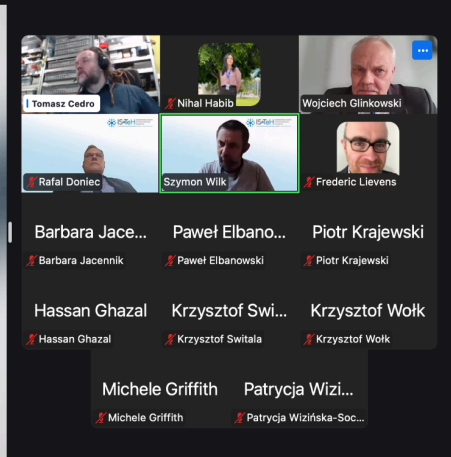

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Connecting Care, Transforming Lives

Tomasz Cedro	Nihal Habib	Wojciech Glinkowski
Rafal Doniec	Szymon Wilk	Frederic Lievens
Barbara Jace...	Paweł Elbano...	Piotr Krajewski
Barbara Jacennik	Paweł Elbanowski	Piotr Krajewski
Hassan Ghazal	Krzysztof Swi...	Krzysztof Wołk
Hassan Ghazal	Krzysztof Switala	Krzysztof Wołk
Michele Griffith	Patrycja Wizi...	
Michele Griffith	Patrycja Wizińska-Soc...	