Auftaktsymposium des Netzwerk gegen Darmkrebs e.V.
zum **Darmkrebsmonat März 2025**
26. Februar 2025 online

Digitalisierung in der Früherkennung

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Direktorin IKF Luzern

- Allg.: Hintergrund evtl. weiß? Lesbarkeit besser?!

- Folie1: Soll das Logo der FBS bleiben?

- Leerzeichen zuviel vor ‚Andrea Belliger'

- Folie 5: Schrift nicht lesbar, da zu klein. Könnten man evtl. nur die Grafik einblenden und den Rest erzählen?

Digitalisierung im Gesundheitswesen

Bundesgesetzblatt

Teil I

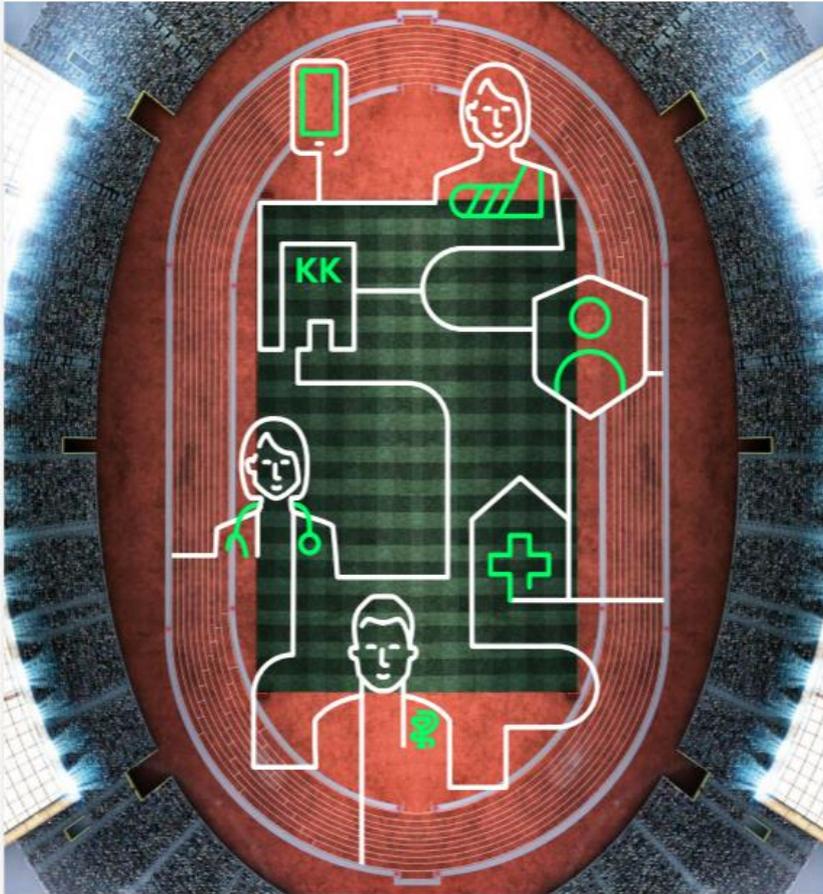| 2024	Ausgegeben zu Bonn am 26. März 2024	Nr. 101

**Gesetz
zur Beschleunigung der Digitalisierung des Gesundheitswesens
(Digital-Gesetz – DigiG)***

Vom 22. März 2024

Whitepaper zur TI 2.0 bis 2025

gematik

Arena für digitale Medizin

- Nutzerzentrierung
- Technologiesprung
- Verlässlichkeit, Vertrauenswürdigkeit
- Interdisziplinarität
- Interoperabilität
- Verfügbarkeit

Neue Strategien der Darmkrebsfrüherkennung

Figure 1. Novel detection methods for CRC screening.
CADe, computer-aided detection; CIN, chromosomal instability; CRC, colorectal cancer; MMR, mismatch repair; MSI, microsatellite instability.

Key Issues as Wearable Digital Health Technologies Enter Clinical Care

Geoffrey S. Ginsburg, M.D., Ph.D., Rosalind W. Picard, Sc.D., and Stephen H. Friend, M.D., Ph.D.

Emerging Uses and Challenges of Wearable DHTs in Clinical Care.
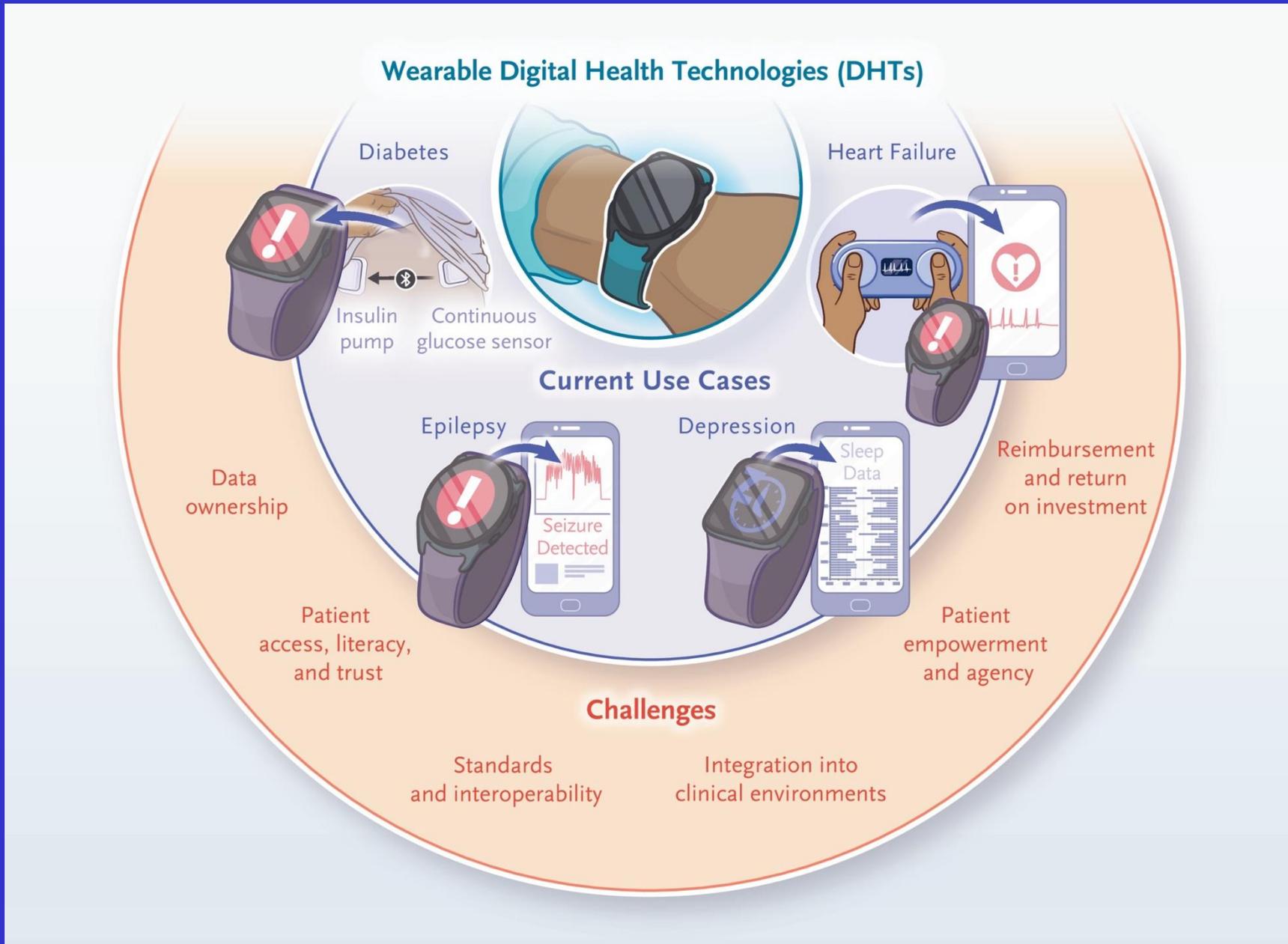
Trust and Security

Societal Issues

"The Digital Divide"

- Unequal access to technology
- Unequal access to the Internet
- Lack of digital literacy
- Lack of support for telehealth visits
- Unequal access to health apps
- Unequal access to technical support

Local Health System Strategies

- Health professional–patient engagement
- Patient control over data
- Transparency regarding use of patient data

Patients and wearable digital health technology data

Standards and Interoperability.

Wearable DHT data

Incentives, Innovation, Partnerships, and Collaborations

- Government incentives
- Innovation
- Strategic partnerships

Standards and Interoperability

Integration into Electronic Health Records (EHRs)

- Raw data
- Metadata
- Reports

Real-time clinical decision support

Emerging Standards Organizations

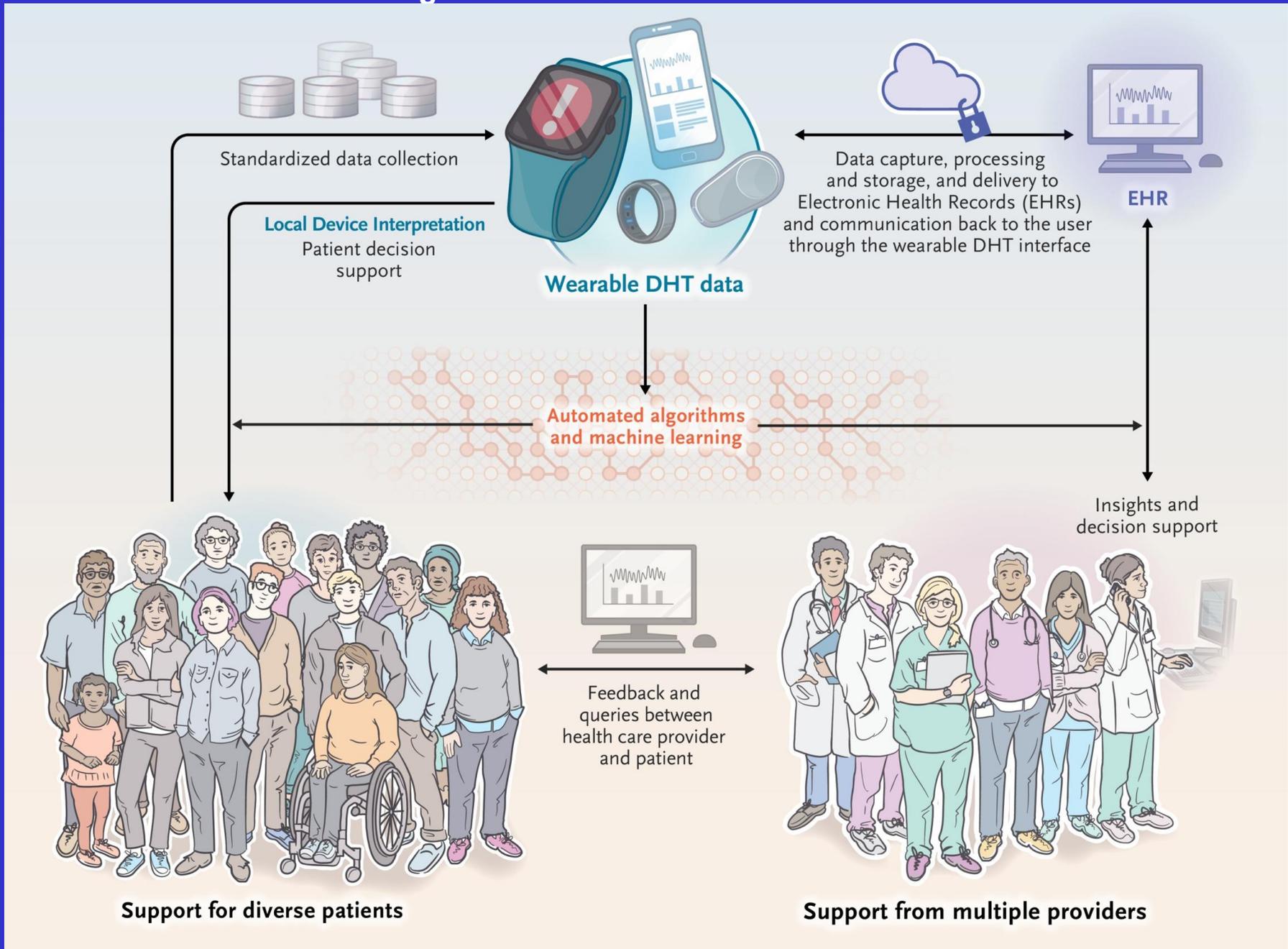Deliver the standards to the wearable DHT developer community
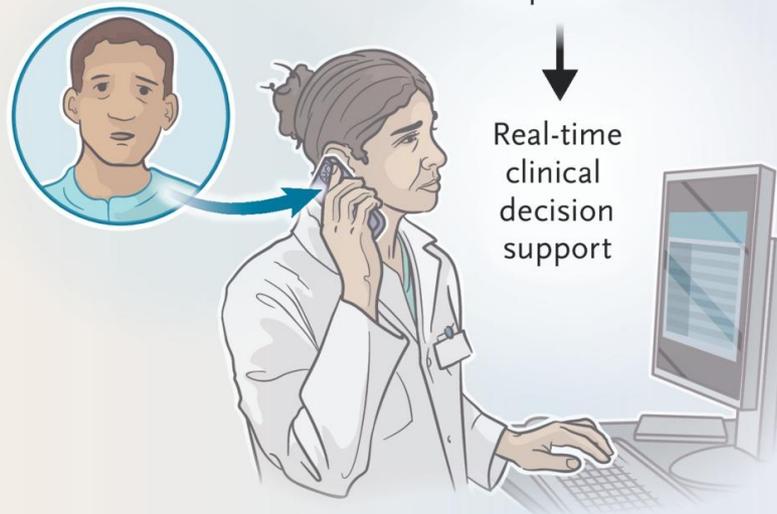
Fast Healthcare Interoperability Resources (FHIR)

Institute of Electrical and Electronics Engineers (IEEE)

Systematized Nomenclature of Medicine Clinical Terms (SNOMED CT)

Integration into Clinical Environments.

Standardized data collection

Local Device Interpretation
Patient decision support

Wearable DHT data

Data capture, processing and storage, and delivery to Electronic Health Records (EHRs) and communication back to the user through the wearable DHT interface

EHR

Automated algorithms and machine learning

Insights and decision support

Feedback and queries between health care provider and patient

Support for diverse patients

Support from multiple providers

Effect of a Digital Health Intervention on Receipt of Colorectal Cancer Screening in Vulnerable Patients
A Randomized Controlled Trial

David P. Miller Jr., MD, MS; Nancy Denizard-Thompson, MD; Kathryn E. Weaver, PhD, MPH; L. Doug Case, PhD;
Jennifer L. Troyer, PhD; John G. Spangler, MD, MPH; Donna Lawler; and Michael P. Pignone, MD, MPH

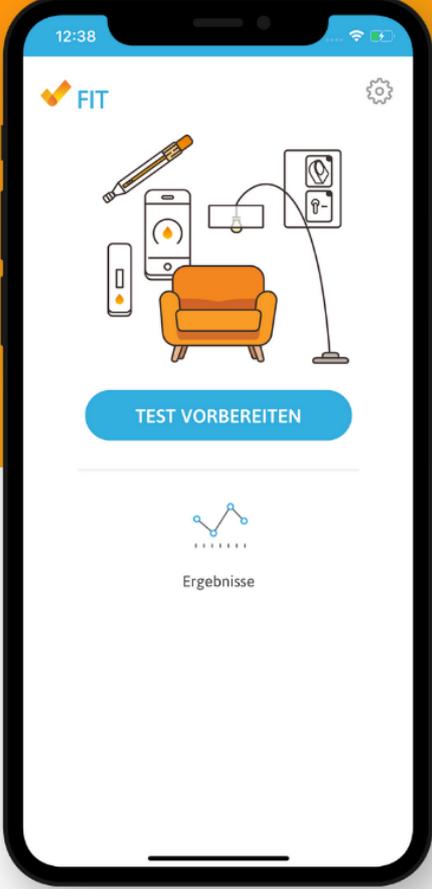*Table 3.* Screening Tests Ordered, by Intervention Group (*n* = 450)*

Screening Test Ordered	mPATH-CRC (*n* = 223)	Control (*n* = 227)	Difference (95% CI), percentage points
Fecal blood test	81 (36)	25 (11)	25 (18–33)
Colonoscopy	72 (32)	47 (21)	12 (3–20)
Any†	153 (69)	72 (32)	37 (28–45)

mPATH-CRC = Mobile Patient Technology for Health–Colorectal Cancer.
* Values are numbers (percentages) unless otherwise indicated.
† Fecal test or colonoscopy.

Digitaler Immunologischer Stuhl Test (iFOBT) als Heimtest - eine Alternative
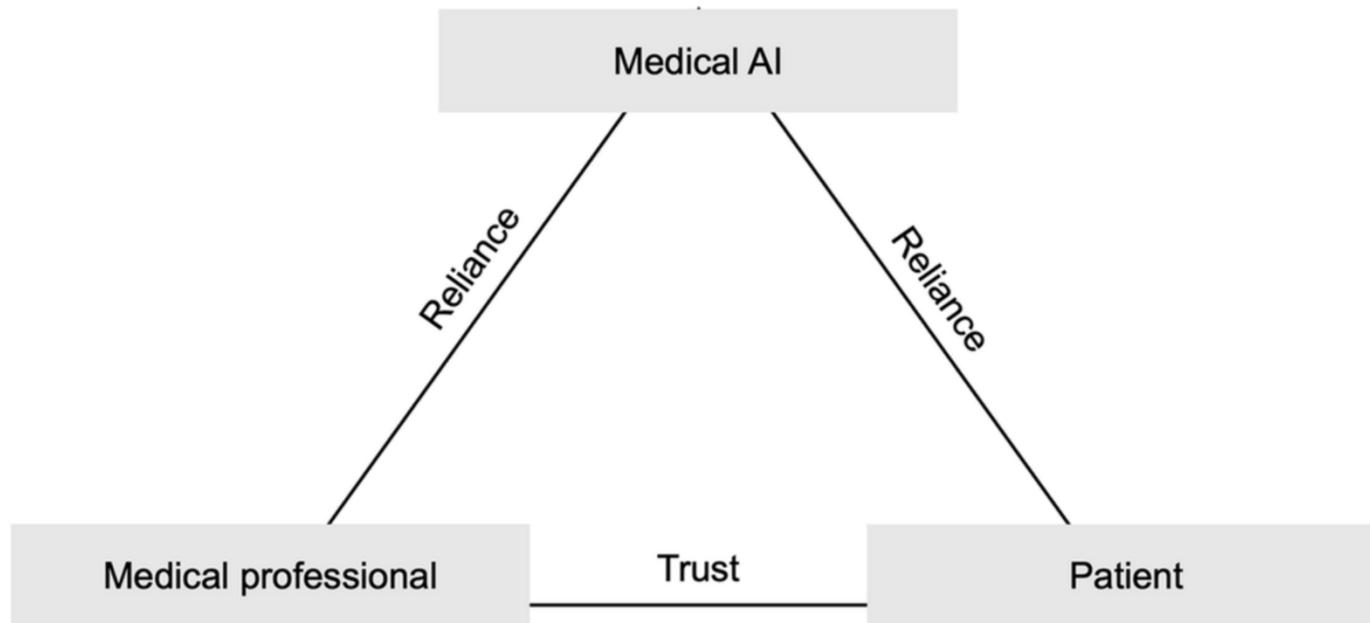

16.03.2025

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AI Interaktionen

Fig. 1: Triangle of ideal attitudes in medical AI.
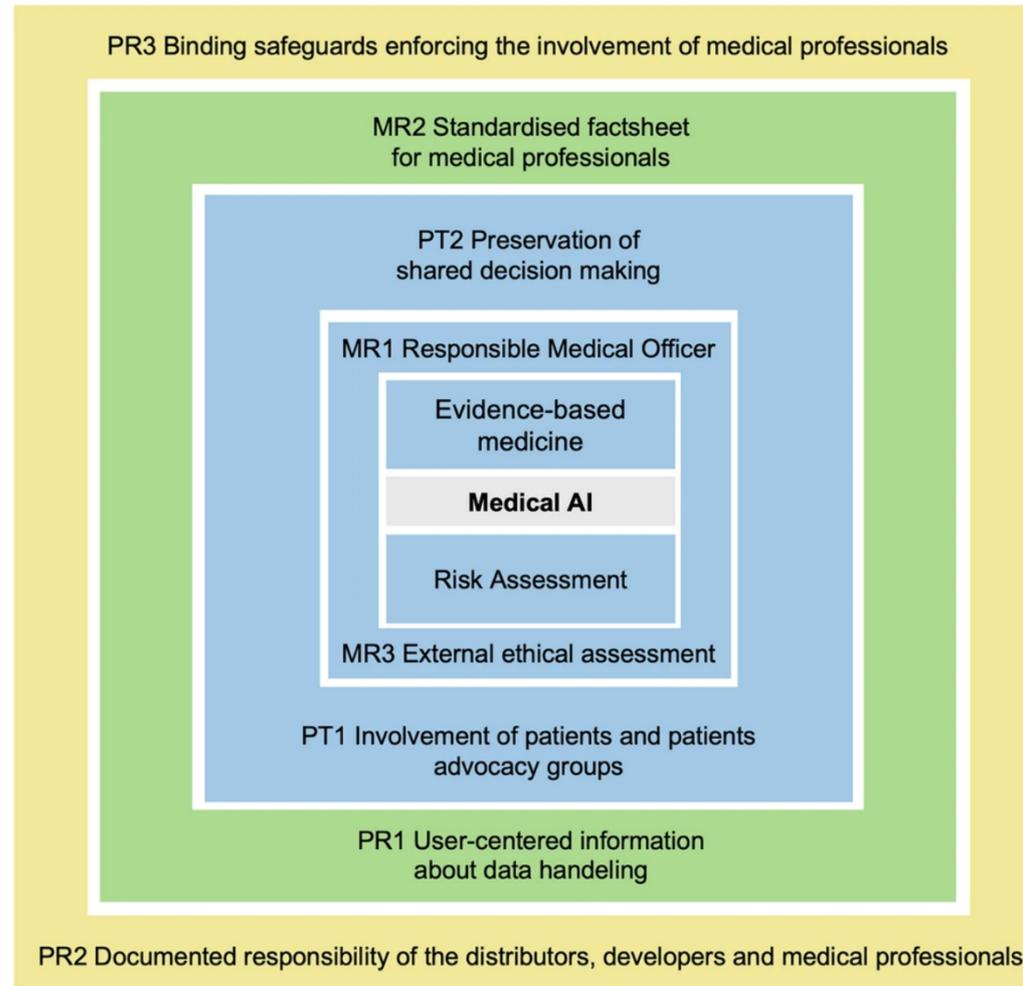
From: A trust based framework for the envelopment of medical AI

Depiction of the interconnected relationships among medical professional, medical AI, and patient. The nature of attitude is shown above the connecting line.

AI Entwicklungsprozess in Gesundheitsversorgung

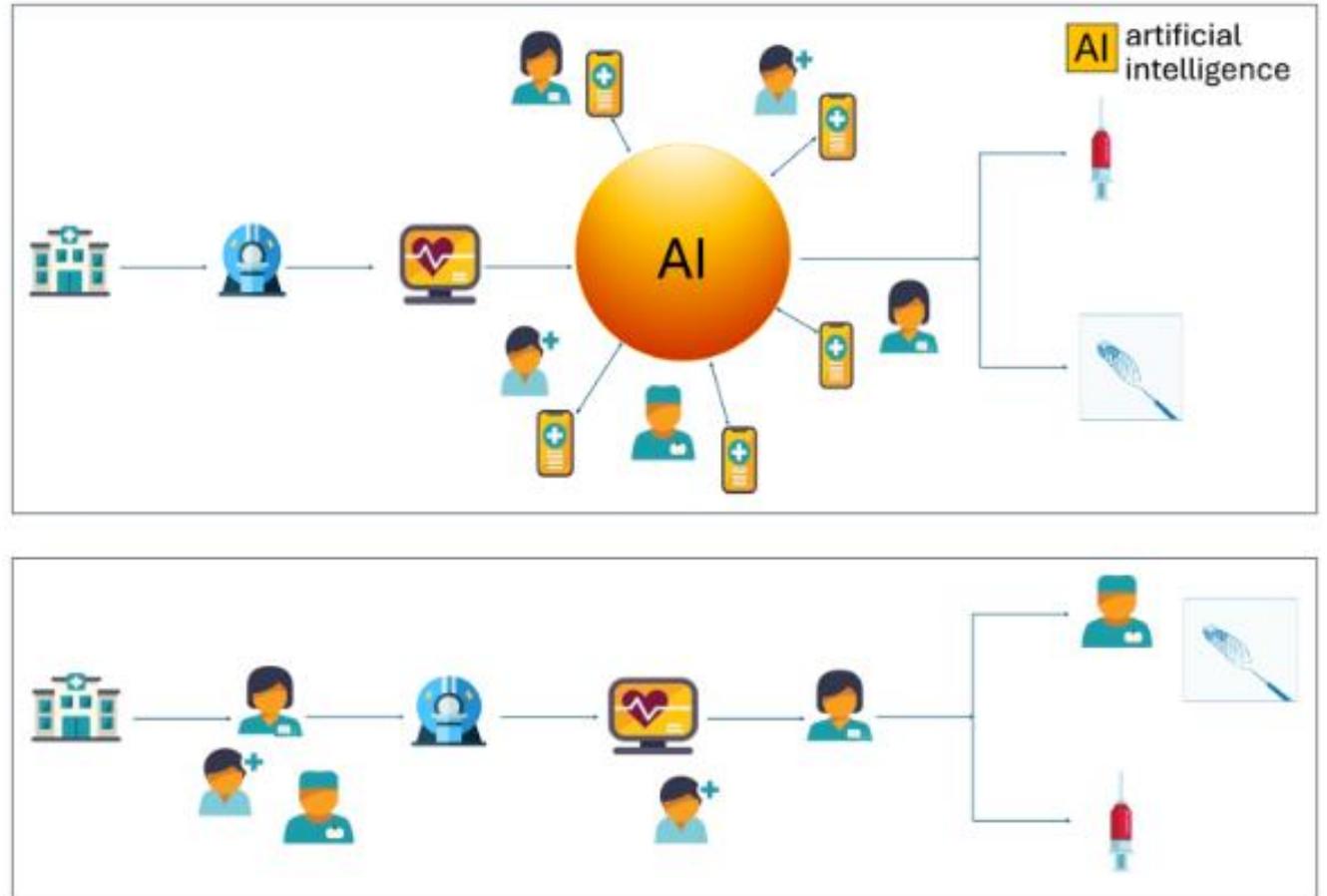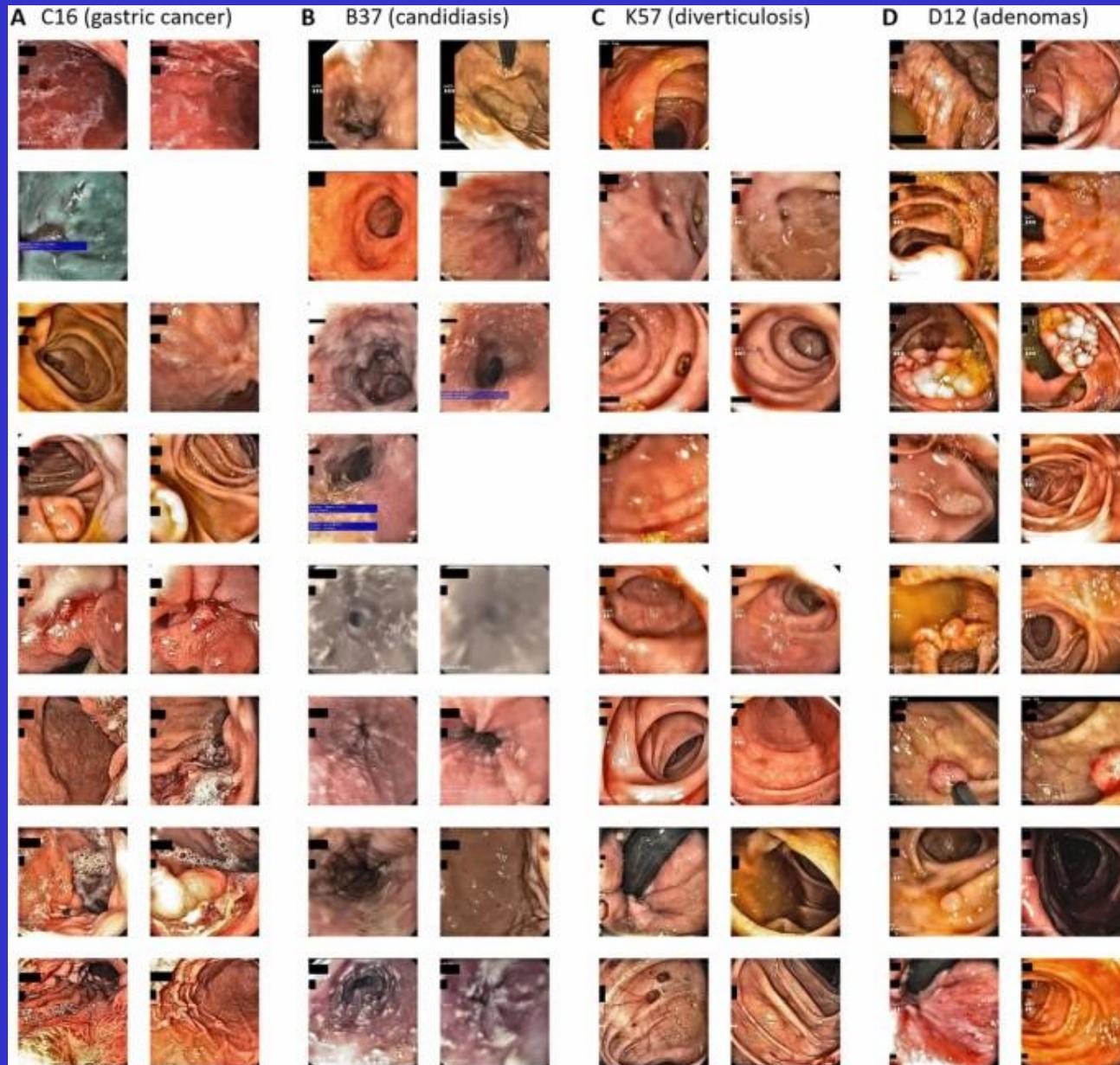From: A trust based framework for the envelopment of medical AI

AI und die Diagnosestellung

Fig. 2 | Changes to clinical workflow. a Simplified clinical workflow (stroke hub) with AI. b Simplified clinical workflow (stroke hub) without AI.

AI artificial intelligence

AI Diagnose in GI Endoskopie

Zusammenfassung

✓ Digitalisierung in der Früherkennung ist möglich, wenn:

  ✓ Interoperabilität gesichert ist

  ✓ Nutzerorientierung Vorrang hat

  ✓ Ärztebeteiligung als ein Muss anerkannt wird

  ✓ Technologieentwicklung mit Datensicherheit

  ✓ Bürokratische und regulatorische Hindernisse abgebaut werden

  ✓ Vorhandene Entwicklungen gefördert werden

„Über Brücken gehen …….."

Herzlichen Dank für Ihre Aufmerksamkeit