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Gesundheitsversorgung neu denken: Wie hilft die digitale Transformation?

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- Herausforderungen
- Hoffnung auf Digital Health
- Von G7 Partnern lernen
- Wie sieht die Zukunft aus
- Zusammenfassung

Personal digital assistants in health care: experienced clinicians in the palm of your hand?

Daniel C Baumgart

Lancet 2005; 366: 1210–22

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Physicians and other health-care professionals are rapidly adopting personal digital assistants (PDA). Palm pilots and other hand-held computers are also increasingly popular among medical students. PDAs can be used for medical student education and physician training, daily clinical practice, and research. PDAs and their increasing integration with information technology in hospitals could change the way health care is delivered in the future. But despite the increasing use of PDAs, evidence from well-designed research studies is still needed to show how much these devices can improve the quality of care, save patients' lives, and ultimately reduce health-care expenses. In this Review of PDA use in health care, the operating systems, basic functionality, security and safety, limitations, and future implications of PDAs are examined. A personal perspective and an introduction to medical PDA applications, software, guidelines, and programmes for health-care professionals is also provided.

Baumgart DC Lancet 2005 Oct 1;366(9492):1210-22

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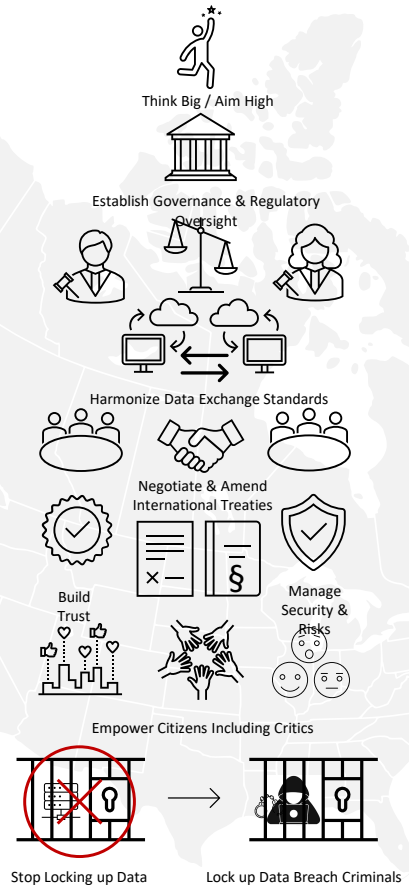
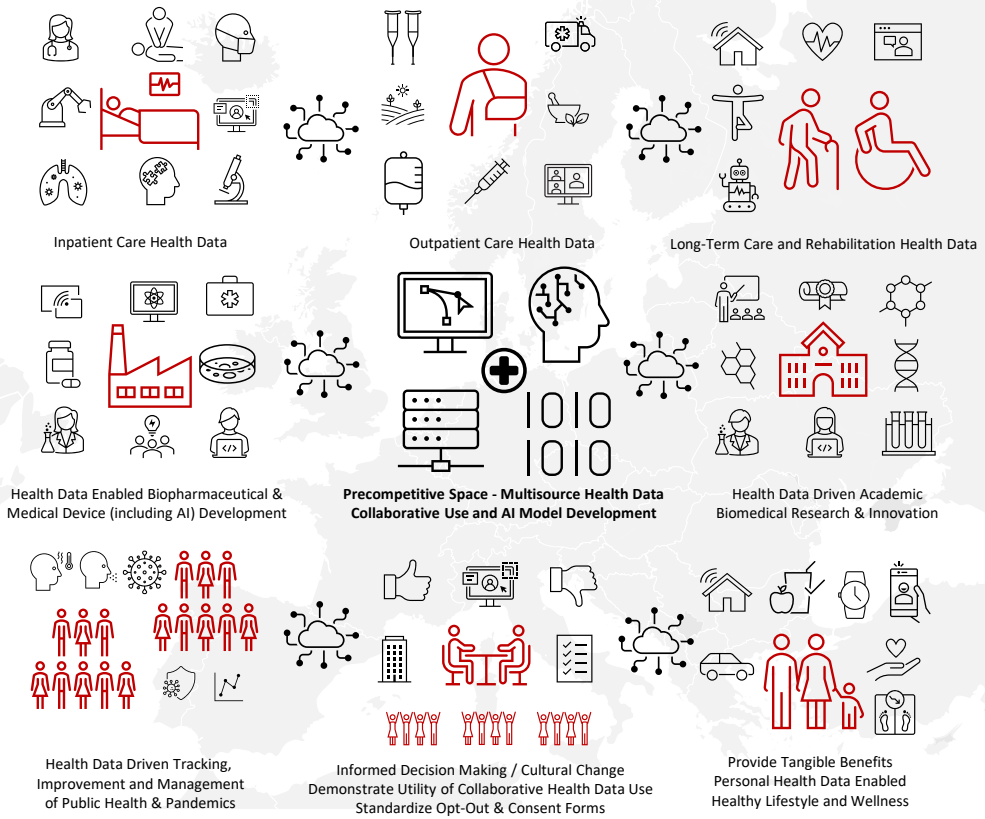
Transatlantic Collaborative Data Use and AI Development Inspired by the European Health Data Space





Baumgart DC Nat Digit Med 2024: https://www.nature.com/articles/s41746-024-01005-y

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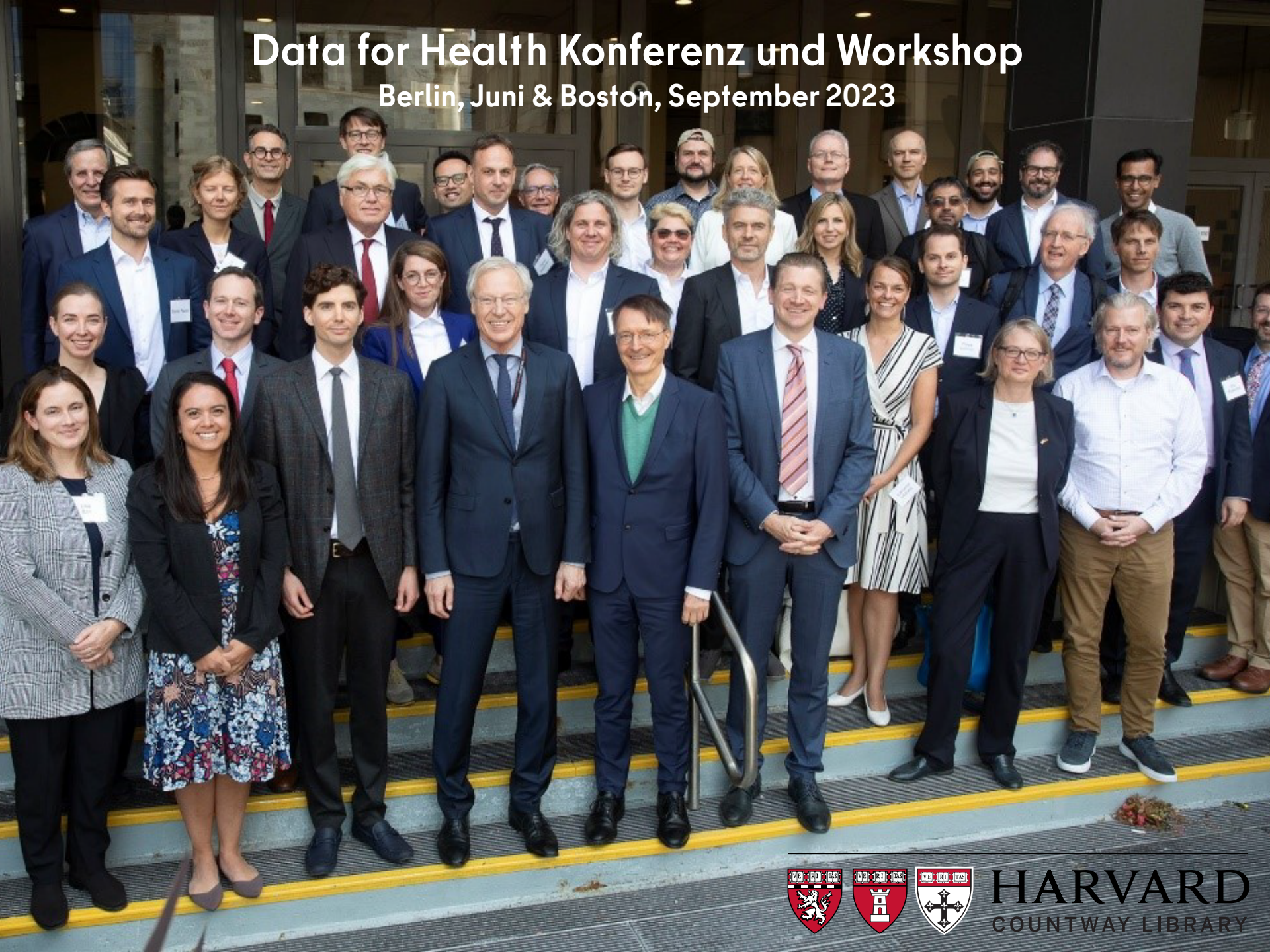
Data for Health Konferenz und Workshop

Berlin, Juni & Boston, September 2023



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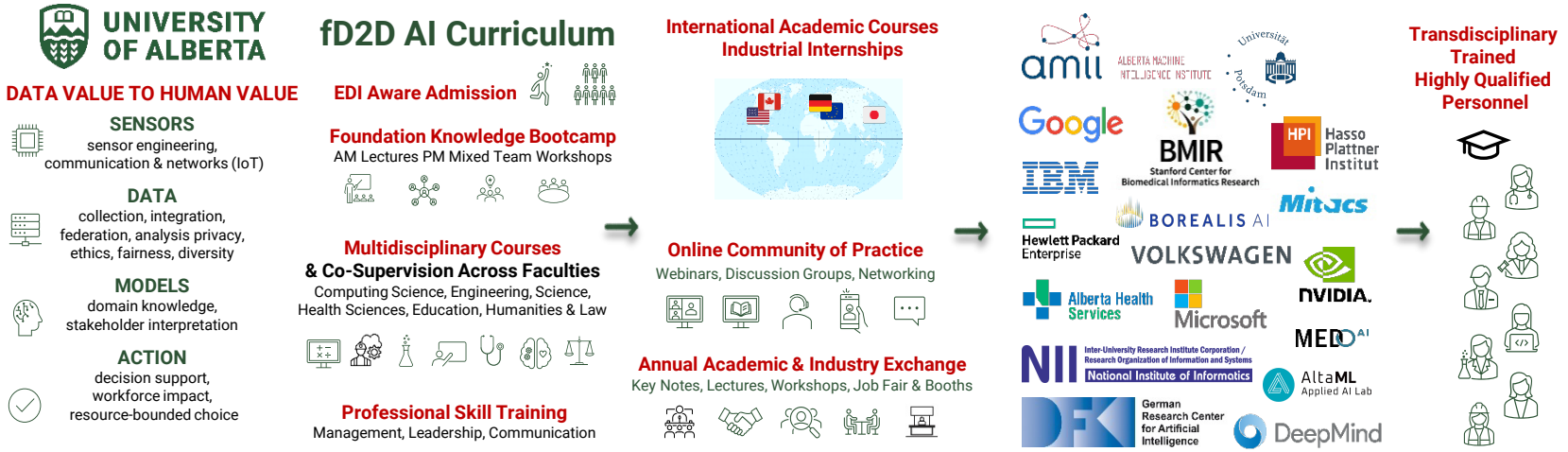
Graduiertenkolleg: From Data to Decision (https://fd2d.org) Artificial Intelligence from Data Value Chain to Human Value

Natural Sciences and Engineering Research Council of Canada - Collaborative Research and Training Experience Program (NSERC CREATE)



Natural Sciences and Engineering Research Council of Canada

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Take Home Message: Digitale Transformation Chancen und Herausforderungen

Digitalisierung ≠ ePA/KIS Anschaffung + Umstellung von Papier auf Software!

Chancen

- Risikostratifizierung, Diagnostik, Therapie
- Optimierte biomedizinische Forschung
- Sichere(re) Gesundheitseinrichtungen
- Effiziente(ere) Gesundheitsverwaltung
- Abbau Verwaltungspersonal/Bürokratie
- Public Health / Pandemie / Krisen Vorsorge
- Langzeitbetreuung, Rehabilitation durch Edge Computing & Internet of Things (IoT)

Herausforderungen

- Datenqualität und Datenzugang
- Datensicherheit und Privatsphäre
- Fairness, Moral und Ethik
- Aufsicht, Recht, Regulierung
- Wissensasymmetrie
- Überforderung
- Initiale Investitionen
- Unrealistische Erwartungen

Digitalisierung ist ein wesentliches Element der Transformation unseres Gesundheitswesens
Digitalisierung ermöglicht evidenzbasierte Ressourcenallokation & Überwindung der Sektorentrennung
Erfolg beginnt mit Wertschätzung aller Gesundheitsberufe
Überökonomisierung des Gesundheitswesens muß enden
Maschinen inklusive KI verdrängen Gesundheitsberufe nicht, sondern lenken Fokus auf Kernmission

Baumgart DC Nat Digit Med 2024: https://www.nature.com/articles/s41746-024-01005-y

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