M ≡ T < about-mhealth.net

Timeline



MHEALTH AS A NATIONAL AND GLOBAL PHENOMENON: MOVING IN AND OUT OF GERMAN CONTEXT





Evolution of mHealth

MEDA Research project 2018-2024

2007 First time Quantifed Self

Late 2000s mHealth for chronic care [2]

Early 2010s Self-tracking trend starts

2016 The European Union adopts the General Data Protection Regulation (GDPR) [3]

2016–2018 Startups like Ada Health are starting to enter the consumer health market in Germany [4]

2017 WHO mHealth Report by Director General: Vision for mHealth to play major role in universal access to quality health care systems particularly for hard-to reach populations $^{[5]}$

Sep 2018 Apple launches its iWatch series 4 as the first FDA-approved consumer device with the ECG function [6]

May 2019 German Health Minister Jens Spahn publicly announces that patients should benefit from useful mHealth in health care as soon as possible [7]

> 2019 The global femtech market size is valued at USD 18.75 Billion [8]

2019–2020 The Global market share for Fitness/Wellness self-tracking increases by 48.8% [9]

2019 Digital Healthcare Act (Digitale-Versorgung-Gesetz, DVG) is introduced. This makes Germany worldwide the first country to have a health app prescription-scheme. [10]

Dec 2020 Researchers publish a study in New England Journal of Medicine demonstrating racial bias in pulse oximetry measurement [11]

 $2021\,\text{Period}$ tracking app Flo shares sensitive health data with Facebook and Google $^{[12]}$

2020 Covid-19 tracing app 20 million downloads in Germany $^{\left[13\right] }$

2023 Global mHealth market size reaches 21.1 Billion USD. [14]

> 2025 DiGA Directory Permanently Accepted: 18 Provisionally Accepted: 29 Deleted: 6 [15]

> > 2030 Global mHealth market size projected to reach 158,3 Billion USD [16]

2018

2019

2020

2021

2022

2023

01.04.2018 Beginning of MEDA-Project

2018–2019 Study on apps responding to violence against women and girls

2018–2020 Ethical analysis of informed consent and terms of use in mHealth

2019 Tereza Hendl: Research stay at the Ethox Centre, University of Oxford

2019-2020 Critical empirical and normative analysis of period-tracking and fertility apps

1.-3.7.2019 International Conference at LMU/TUM: Digital behavioral technologies, vulnerability, and justice

2019–2023 Empirical study on open-source mHealth for Type 1 Diabetes

2019 Launch of webpage about-mhealth.net

2019-2024 Qualitative study on physician-patient relationship in diabetology

27.-28.10.2021 Workshop at Fondation Brocher, Switzerland: The Ethics of mHealth as a global phenomenon

> $2020-2023 \ {\tt Qualitative\ interview\ study} \\ {\tt on\ values,\ norms\ and\ motivations\ of\ mHealth} \\$ developers and start ups with fieldwork in Germany, India and the United States

> > April 2022 Bianca Jansky: Research stay at the University of California, Berkeley

2020–2025 Quantitative study on experiences and opinions of physicians on mHealth (focus on mental health and diabetology)

5.-6.10.2023 Conference: mHealth und Ethik. Im Dialog mit Politik, Praxis und Wissenschaft. Harnack-Haus der Max-Planck-Gesellschaft, Berlin

Feb-April 2023 Verina Wild:

2024 Future Edited Book - mHealth intersectional ethics for a global society

30.11.2024 End of MEDA-Project

[4] Immédian, J. (2018). Marian Access von digitales Start-Ljs-Produkten in deutschen Gesundheitswesen. In: Pfannstell I, Dis-Cruz, P. (edit) immedian (American Start-Ljs-Produkten in deutschen Gesundheitswesen). In: Interpl. (American Start-Ljs-Produkten Start-Ljs-

[10] https://www.blam.dejkil/Medicaid-evices/Taske/Diok-and-OPA/Digital-Health-applications/Interesting-fasts/_node.htm cally 2023 and processing the processing of the pro

ngland Journal of Medicine, 38(3)(5), 5477-5478.

When the Control of Medicine, 38(3)(5), 5477-5478.

When the Control of Medicine of Medi

2024

This timeline represents selected items only, both on the left and on the right side along the arrow.



