M ≡ T < about-mhealth.net

Timeline



MHEALTHAS A NATIONAL AND GLOBAL PHENOMENON: MOWG IN AND OUT OF GERMAN CONTEXT





Evolution of mHealh

2018

2019

2020

2021

2022

2023

2024

2007first time Quantifed Self movement was mentioned

Early 2010 Sa Health for chronic care

 $Early\ 2010 \\ self-tracking\ trend\ starts$ with Fitness/Wellness apps and devices

2014 Loopers (people with Type 1 Diabetes) create the first algorithm for an automated insulin delivery system

 $2015 \\ \text{FemTech as emerging} \\ \text{subfield of mHealth} \\$

 $2016 \hbox{The European Union adopts the General Data Protection Regulation (GDPR)}$

 $2016\hbox{--}201\&$ tartups like Ada Health are starting to enter the consumer health market in Germany

2018 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

> $Sep~2018 \hbox{\it hpple launches its iWatch}$ series 4 as the first FDA-approved consumer device with the ECG function

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

2019 The global femtech market size was valued at USD 18.75 Billi@h

 $2019\hbox{--}2020\hskip-2pt \hbox{The Global market share for}$ Fitness/Wellness self-tracking increases by

> 2020 DiGAs are introduced in Germany as worldwide first Health App on prescriptionscheme, together with a fast track evaluation process for digital health applications

 $Dec~2020 \hbox{Researchers publish a study in}$ New England Journal of Medicine demonstrating racial bias in pulse oximetry measurement

 $2021 \hbox{Period tracking app Flo shares sensitive}$ health data with Facebook and Google[3]

2020–2023Pandemic & Corona App 48 Million Downloads in Germany

 $2022 \hbox{AI based psycho-therapy,} \\$

2023DiGA Directory Permanently Accepted: 18 Provisionally Accepted: 29 Deleted: 6

Future the Global FemTech market expected to grow to \$60B by 2027 and global mHealth market to \$232.3 B in 2028

META Research project 2018-2024

 $01.04.2018 {\it eginning of META-Project}$

 $2018\hbox{--}2019\hbox{tudy on Apps responding}\\ \hbox{to violence against women and girls}$

 $2018\hbox{--}2020 \hbox{Ethical analysis of informed}$ consent and terms of use in mHealth

2019Research stay $2019\hbox{--}2020\hbox{critical empirical}$ at the Ethox Centre

University of Oxford and normative analysis of period-tracking and fertility apps

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

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

2019 Launch of webpage

 $2019\hbox{--}2024 \hbox{Qualitative study on} \\ \hbox{physician-patient relationship in diabetology}$

27.-18.10.2028 rocher workshop: The Ethics of mHealth as a global phenomenon

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

April 2022 seearch stay at the University of California, Berkeley

2020-2023Quantitative 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 esearch stay Rutgers University, USA

 $2024 \hspace{-0.08cm} \textbf{E} \hspace{-0.08cm} \textbf{dited Book - mHealth:} \\ \textbf{intersectional ethics for a global society} \\$

31.3.2024 nd of META-Project

[1] https://www.grandviewresearch.com/industry-analysis/fitness-app-market
[2] https://www.emergenresearch.com/industry-report/femtech-market
[3] https://www.ftc.gov/news-events/news/press-releases/2021/10/fitc-finalizes-order-flo-health-fertility-tracking-app-shared-sensithhealth-data-facebook-google
[4] https://www.globenewswire.com/en/news-releases/2023/10/fitc-finalizes-order-flo-health-Market-to-Reach-USD-232-3-Billion-by-2028-ThanharRising-Integration-of-mHealth-Devices-with-Smart-Phones-and-Wearable.html#:--text=The%20mHealth%20market%20size%20was,period%20(2022%2D2028).

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