

Hannah McGowan, BSc, MSc

Researcher

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Research Interests

- Barriers and facilitators to digital health intervention uptake
- Patient and clinician perspectives
- Co-design and shared decision making
- Behavioral monitoring through remote acquisition
- Behavioral change modification and motivation

Education

- 10/2019 – 11/2021: MSc in Neuro-Cognitive Psychology, Ludwig Maximilian University
- 08/2015 – 12/2018: BSc in Biological Sciences, Minor in Psychology, University of Maryland, Baltimore County

Work Experience

- 09/2022 – current: Ludwig Boltzmann Institute for Digital Health and Prevention, Researcher
- 04/2021 – 07/2021: Klinikum rechts der Isar der Technischen Universität München, *TeleCOVID Study*, Student Assistant
- 10/2020 – 06/2021: Ludwig Maximilian University of Munich, *Faculty of Philosophy, Philosophy of Science and Religious Studies*, Research Assistant
- 08/2020 – 10/2020: University of Bordeaux, *Institute of Neurodegenerative Diseases, Neurofunctional Imaging Group*, Summer Research Intern
- 03/2020 – 06/2020: Ludwig Maximilian University of Munich, *Psychological Methodology and Diagnostics, Phone Study Research Project*, Research Intern
- 02/2020 – 07/2020: Ludwig Maximilian University of Munich, *Human Centered Ubiquitous Media*, Student Assistant
- 01/2019 – 09/2019: University of Maryland, Baltimore County, *Information Systems Department, Affective Behaviour Interaction Laboratory*, Research Assistant
- 06/2017 – 06/2019: University of Maryland, Baltimore County, *Information Systems Department, Bodies in Motion Laboratory*, Research Assistant

Selected Publications

McGowan, H., Gutenberg, J., Leitner, V., Mühlhauser, K., Breda, A., Fischer, M., ... & Kulnik, S. T. (2023). Use and perceptions of digital technology for daily life, physical activity and health information among former cardiac rehabilitation patients in Austria: A cross-sectional survey. *Digital health*, 9, 20552076231219437.

McGowan, H., Gutenberg, J., Mayr, B., Sareban, M., Niebauer, J., Crutzen, R., & Kulnik, S. T. (2023). [Preprint]. Determinants of physical activity behaviour in the cardiac population: a systematic review.

McGowan, H., Gutenberg, J., Leitner, V., Mühlhauser, K., Breda, A., Fischer, M., ... & Kulnik, S. T. (2023). Influence of postal survey design features on response rates from former cardiac rehabilitation patients. Österreichische Kardiologische Gesellschaft Jahrestagung 2023. *Wien Klin Wochenschr* **135** (Suppl 2), 331–491 (2023).

McGowan, H., Gutenberg, J., Leitner, V., Mühlhauser, K., Breda, A., Fischer, M., ... & Kulnik, S. T. (2023). Exploration into the use of digital technology for physical activity among former cardiac rehabilitation patients: findings from a multi-centre survey in Austria. Österreichische Kardiologische Gesellschaft Jahrestagung 2023. *Wien Klin Wochenschr* **135** (Suppl 2), 331–491 (2023).

Matko, S., Breda, A., **McGowan H.**, Gutenberg, J., Leitner, V., Mühlhauser, K., ... Kulnik, S. T. (2023). A look at sustainability and nonresponse bias in follow-up surveys in cardiac rehabilitation. Österreichische Kardiologische Gesellschaft Jahrestagung 2023. *Wien Klin Wochenschr* **135** (Suppl 2), 331–491 (2023).

Wurzer, D., Spielhagen, P., Siegmann, A., Gercekcioğlu, A., Gorgass, J., Henze, S., ... & Schmidt, G. (2021). Remote monitoring of COVID-19 positive high-risk patients in domestic isolation: A feasibility study. *PLoS One*, *16*(9), e0257095.

Misal, V., Akiri, S., Taherzadeh, S., **McGowan, H.**, Williams, G., Jenkins, J. L., ... & Kleinsmith, A. (2020, October). Physiological Synchrony, Stress and Communication of Paramedic Trainees During Emergency Response Training. In *Companion Publication of the 2020 International Conference on Multimodal Interaction* (pp. 82-86).

Semsar, A., **McGowan, H.**, Feng, Y., Zahiri, H. R., Park, A., Kleinsmith, A., & Mentis, H. M. (2020). Quality of and Attention to Instructions in Telementoring. *Proceedings of the ACM on Human-Computer Interaction*, *4*(CSCW2), 1-21.

Feng, Y., **McGowan, H.**, Semsar, A. *et al.* Virtual pointer for gaze guidance in laparoscopic surgery. *Surg Endosc* (2019).

Professional Achievements

- 06/2023 – 2nd place winners, Ludwig Boltzmann Institute for Digital Health and Prevention, *Digital Health Idea Competition*, Heart2Heart team

Languages

- English (mother tongue)
- German (mother tongue)
- French (intermediate)

Online

- ORCID – <https://orcid.org/0000-0001-8656-1631>
- ResearchGate – <https://www.researchgate.net/profile/Hannah-Mcgowan-4>
- LinkedIn- <https://www.linkedin.com/in/hannah-mcgowan-8a6743220/>