

Publication

mHealth for schizophrenia spectrum disorders management: A systematic review

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)**ID** 4604937**Author(s)** Chivilgina, Olga; Wangmo, Tenzin; Elger, Bernice Simone; Heinrich, Thomas; Jotterand, Fabrice**Author(s) at UniBasel** Wangmo, Tenzin ; Chivilgina, Olga ; Elger, Bernice Simone ; Jotterand, Fabrice ;**Year** 2020**Title** mHealth for schizophrenia spectrum disorders management: A systematic review**Journal** International Journal of Social Psychiatry**Volume** 66**Number** 7**Pages / Article-Number** 642-665**Keywords** Schizophrenia; ethics; mHealth

Various types of computational technologies can be used to access, store and wirelessly share private and sensitive user-related information. The 'big data' provided by these technologies may enable researchers and clinicians to better identify behavioral patterns and to provide a more personalized approach to care. The information collected, however, can be misused or potentially abused, and therefore could be detrimental to the very people who provided their medical data with the hope of improving care. This article focuses on the use of emerging mobile technologies that allow the collection of data about patients experiencing schizophrenia spectrum and related disorders. Schizophrenia has been recognized by the Sustainable Development Goals of the United Nations for its burden on our health care system and society [1]. Our analysis provides an overview of the range of available mobile technologies for people with schizophrenia and related conditions along with the technology's reported capabilities and limitations, and efficacy of mHealth interventions based on the data from articles. Thus, the focus of this review is first and foremost to update the scope of existing technologies as previous systematic reviews such as the ones by Alvarez-Jimenez et al. and by Firth and Torous are outdated [2, 3]. Although we also examine the ethical issues arising from the use of these technologies, for an in-depth analysis of the ethical implications of mobile Health technologies (mHealth), we refer the readers to our follow-up article. In terms of the ubiquitous availability of technology on the internet, our article summarizes significant information for mental health specialists and appraises the reader about the existence of these technologies.; In terms of the ubiquitous availability of technology on the internet, our article summarizes significant information for mental health specialists and appraises the reader about the existence of these technologies.

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