

Special Issue

Quest for Value Drivers of Digital Health Solutions in the Post COVID-19 Era

Message from the Guest Editor

According to some estimates, the size of the digital health market in 2019 will double by 2024 (Economist Dec 5th). We have observed that trend with our own eyes during the pandemic. The rapid implementation of telemedicine, remote patient monitoring, and other digital technologies in clinical practice clearly indicates the limitless potential of digital transformation. It raises, however, a key question on how to assess the value of data-driven innovation with respect to both public healthcare providers and patients. So far, there have been limited efforts to establish guidelines for the assessment of safety, effectiveness, and the organizational impact of digital technologies. The standards introduced for pricing and reimbursement in the pharmaceutical industry may not be applicable here. In contrast with pharmaceuticals, most of the time, data are the key drivers of innovation in digital solutions. A primary example is machine learning algorithms. Some additional requirements to assess robustness and risk of bias should be considered.

Guest Editor

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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