

# Implementome : a multidimensional and evolutive digital health knowledge platform

Digital health is not just a buzzword. It is a movement that has been transforming the way people have access to healthcare and how they manage their health. This revolution is happening because of the convergence of three major trends: digitization, connectivity, and data analytics, which are transforming healthcare by enabling patients to take control of their own care and empowering providers with real-time insights [1, 2]. It can help with the shortage of doctors and nurses, the lack of medical equipment, and the lack of medical knowledge in rural areas [3].

Despite its potential, the use of digital health in LMICs to overcome barriers to health service delivery has faced challenges in achieving scale and is characterized by fragmentation [4].

But we can't hope to solve big problems without first understanding them. That is why the Geneva Digital Health Hub (gdhub) developed a knowledge management platform, called Implementome, which aims at documenting knowledge and facilitating the identification of determinants for the success or failure [5] of digital health implementations.

The Implementome provides a multidimensional and evolutive digital health knowledge base of people, projects, publications, evaluations, lessons learned, and evidence. Based on a formal ontology and structured terminologies, the tool can be explored and enriched both by humans and AI-enabled automated processes. The main goals of the Implementome are to better connect actors active in the digital health field to mobilize their expertise and know-how, to encourage and facilitate collaborative processes, to inform and facilitate decision-making for stakeholders in the field, and to provide a continuous overview of the global digital health ecosystem.

The digital transformation in healthcare is challenging, but knowledge management might be the key to sustainable solutions. The Implementome aims at closing the implementation science gap and enabling science-based decision-making.

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