

## Ranking Priorities for Digital Health in Portugal: Aligning Health Managers' Perceptions with Official Policy Perspectives

**Authors :** Pedro G. Rodrigues, Maria J. Bárrios, Sara A. Ambrósio

**Abstract :** The digitalisation of health is a profoundly transformative economic, political, and social process. As is often the case, such processes need to be carefully managed if misunderstandings, policy misalignments, or outright conflicts between the government and a wide gamut of stakeholders with competing interests are to be avoided. Thus, ensuring open lines of communication where all parties know what each other's concerns are is key to good governance, as well as efficient and effective policymaking. This project aims to make a small but still significant contribution in this regard in that we seek to determine the extent to which health managers' perceptions of what is a priority for digital health in Portugal are aligned with official policy perspectives. By applying state-of-the-art artificial intelligence technology first to the indexed literature on digital health and then to a set of official policy documents on the same topic, followed by a survey directed at health managers working in public and private hospitals in Portugal, we obtain two priority rankings that, when compared, will allow us to produce a synthesis and toolkit on digital health policy in Portugal, with a view to identifying areas of policy convergence and divergence. This project is also particularly peculiar in the sense that sophisticated digital methods related to text analytics are employed to study good governance aspects of digitalisation applied to health care.

**Keywords :** digital health, health informatics, text analytics, governance, natural language understanding

**Conference Title :** ICMHI 2023 : International Conference on Medical Informatics and Health Informatics

**Conference Location :** Rome, Italy

**Conference Dates :** November 20-21, 2023