

Special Issue

Artificial Intelligence and Public Health: From Predictive Models to Preventive Actions

Message from the Guest Editor

The aim of this Special Issue is to bridge the gap between population-level public health research and practical healthcare system applications, promoting the integration of AI-driven insights into clinical and preventive decision-making. We particularly welcome studies that go beyond descriptive epidemiology to apply AI-based models for prediction, prevention, and decision support in both healthcare practice and public health policy. Contributions may include research on AI for disease surveillance, early intervention, and health promotion; studies exploring the integration of environmental and social determinants into healthcare decision-making; and investigations addressing the ethical, regulatory, and equity dimensions of AI implementation. Particular attention will be given to interdisciplinary studies that connect AI with healthcare systems, public health policy, and the “human-centered” design of digital solutions.

We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

31 December 2026



Healthcare

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.7
Indexed in PubMed



mdpi.com/si/259535

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About the Journal

Message from the Editor-in-Chief

Healthcare is an international, peerreviewed, open access, multidisciplinary journal. Original research articles, short communications, review articles, and symposium highlights are welcomed.

Healthcare hopes to influence global health and disease aspects, and hopes to gain high visibility and acceptance by the scientific and healthcare community and will dedicate itself to covering special and specific topics in special issues.

We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Lorraine S. Evangelista

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).