

Knowledge Mapping of Global Trends in Health Informatics for Empowering Healthcare Transformations: A Scientometric Study

Garima Gujral, Shivarama J
Tata Institute of Social Sciences
India
{garimagujral9@gmail.com}, {shivaramtoo32@gmail.com}



ABSTRACT: Over the last two decades, health informatics has garnered much attention with a rapid increase in the research output. This study aims to review and evaluate the global progress in the Health Informatics domain and assess the scholarly publication productivity. Based on data from the Web of Science databases, scientometric methods and knowledge visualization techniques were applied to evaluate the global trends, perform thematic analysis, identify gaps in knowledge and predict future trends of the health informatics domain from 2009 to 2019. The findings revealed that the field of Health Informatics has increased rapidly over the last decade. 3856 publications were produced from 2009 to 2019 and have gradually increased from 4.85% in 2009 to 13.87% in 2019. North American continent had the highest productivity with 63.38% global publication share out of 3856. USA (58.35%), Canada (7.62%) Australia (5.44%) and China (4.12%) were the leading countries with the highest publication productivity. These findings will provide evidence of the current status and trends in Health Informatics all over the world, thus, helping scientific researchers and policymakers understand the panorama of Health Informatics and predict the dynamic directions of research.

Keywords: Health Informatics, Knowledge Mapping, Scientometrics, Publication Productivity, Global Trends, Information Management, Bibliographic data