Proceedings of the 12th World Congress on Mechanical, Chemical, and Material Engineering (MCM 2026) August 18 – 20, 2026 – London, United Kingdom

DOI: 10.11159/icmie26.001

Healthcare 4.0: challenges, benefits, and trends

Guilherme Luz Tortorella

University of Melbourne, Australia guilherme.luztortorella@unimelb.edu.au

Extended Abstract

The integration of new digital technologies has revolutionized products, processes, services, and businesses. Such an integration into healthcare systems has been denoted as Healthcare 4.0. This speech aims to discuss Healthcare 4.0, highlighting its benefits, challenges, and trends in hospitals in emerging economies such as Brazil, India, Mexico and Argentina.