

Special Issue

Advances in Generating Real-World Evidence from Real-World Data Using Artificial Intelligence

Message from the Guest Editor

Real-world evidence (RWE) consists of evidence on patient care and health outcomes that has been developed from real-world data (RWD) generated in routine clinical settings. Its uses span clinical and regulatory decision-making, health technology assessment, clinical trial design, assessing the burden of illness, evaluating market potential for new products, etc. Modern AI approaches have significant potential in generating RWE from complex multimodal data. However, the generation of high-quality RWE using AI faces a spectrum of challenges such as data quality, heterogeneity and completeness, selection bias and generalizability, temporal drifts of longitudinal data, ethical and privacy concerns, regulatory acceptance and validation, and explainability. This Special Issue will invite original articles, reviews and commentaries representing the best practices and current advances in AI applications for RWE generation, as well as discussions on approaches to address existing challenges.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Healthcare is an international, scientific, peer-reviewed, open access journal on health care systems, industry, technology, policy, and regulation, and is published semimonthly online by MDPI. Ocular Wellness & Nutrition Society (OWNS) is affiliated with Healthcare and its members receive discounts on article processing charges.

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