
A SYSTEMATIC REVIEW ON CHALLENGES OF THE ADOPTION OF INTERNATIONAL CLASSIFICATION OF DISEASES 11TH REVISION (ICD-11)

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ABSTRACT

INTRODUCTION: The influential understanding of diseases globally is voiced out through the International Classification of Diseases (ICD). The intention behind coming up with a new 11th revision (ICD-11) is to bring about improved effectiveness and correctness in Health Information Systems with a versatile coding scheme. OBJECTIVE: The study is aim to explore the challenges of ICD 11th revision adoption. METHODOLOGY: A systematic literature search of studies in the English language was carried out in several databases including Scopus, PubMed, Science Direct, CINAHL and Ebscohost to select the challenges and barriers of ICD-11 in a study population. Data were extracted from fourteen research studies, which were met the inclusion criteria for the review. The process of selected research studies has been presented in the PRISMA flowchart diagram. RESULT: Key challenges identified includes technology, organization, clinical practice, and policies. Some of these challenges are related to the complexity of the new coding system, the need for comprehensive training and education of healthcare personnel, and substantial technological advancements needed for modifying health information systems (HIS). The review highlight the issues of integration of ICD-11 into other health information standards and electronic health records along with differences in medical resources and infrastructure significantly limit access to care in developing countries. CONCLUSION: Understanding these challenges are crucial for policymakers, healthcare providers and IT professionals to facilitate a smoother transition and to maximize the potential benefits of ICD-11 in enhancing global health data accuracy and utility.

Keywords: International Classification Diseases, health information system, challenges
