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| Title | The IoMT and Cloud in Healthcare: Use, Impact and Efficiency of Contemporary Sensor Devices Used by Patients and Clinicians |
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| Abstract |
| The aim of this research is to undertake a systematic review of the literature on cloud-based Internet of Medical Things (IoMT) in healthcare, to summarise the examined contexts and research focuses, to identify gaps in the literature, and to recommend new directions for future research. The authors searched electronic databases such as Scopus, Elsevier, ACM library, IEEE Xplore, Emerald, and ScienceDirect for articles relating to (IoMT) and cloud technologies, as well as did manual journal searches in Google Scholar, PMC and ResearchGate. A total of 442 papers were examined using a combination of quantitative and qualitative approaches. A systematic mapping study was undertaken as part of the qualitative investigation. The study identified and classified contemporary IoMT devices and applications used in healthcare that have evolved over time, including remote monitoring apps, diagnostic tool apps, personal wellness and healthy living apps, consolidated healthcare apps, medication adherence apps, appointment scheduling and reminder apps, and various types of critical decision-making systems applications. Additionally, potential themes for future study were identified, including the impact of cloud-based IoMT devices and the obstacles associated with deploying IoMT in healthcare. The review focuses on how patients and clinicians apply IoMT. Further study may want to examine the adoption, effectiveness, and usability of cloud based IoMT in healthcare from the perspective of various stakeholders, such as families, caregivers, healthcare institutions, researchers, policy actors, payors, and buyers. |
| Sustainable Development Goal(s) (SDG) |
| Goal 9: Industry, Innovation and Infrastructure |