Smart Connected Healthcare System by the Role of IoT and Wearable Sensors in Patient Monitoring

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Abstract:
Smart, linked healthcare systems are made possible by the fast developments in the Internet of Things (IoT), which have greatly changed healthcare. Wearable sensors combined with IoT technology let continuous real-time tracking of important physiological indicators including heart rate, blood pressure, oxygen saturation, glucose levels, and body temperature. By means of early disease identification, remote monitoring, and prom systems improve patient care and lower hospital visits, hence increasing healthcare health data to cloud-based systems, IoT-driven healthcare solutions improve data-driven decision-making and let healthcare personnel evaluate patient status from a distance. Widespread adoption will depend on issues including data privacy, cyber security threats, interoperability, and energy efficiency even with all the advantages. This article investigates how IoT and wearable sensors fit into contemporary healthcare, hence affecting real-time patient monitoring, healthcare access, and general patient outcomes.

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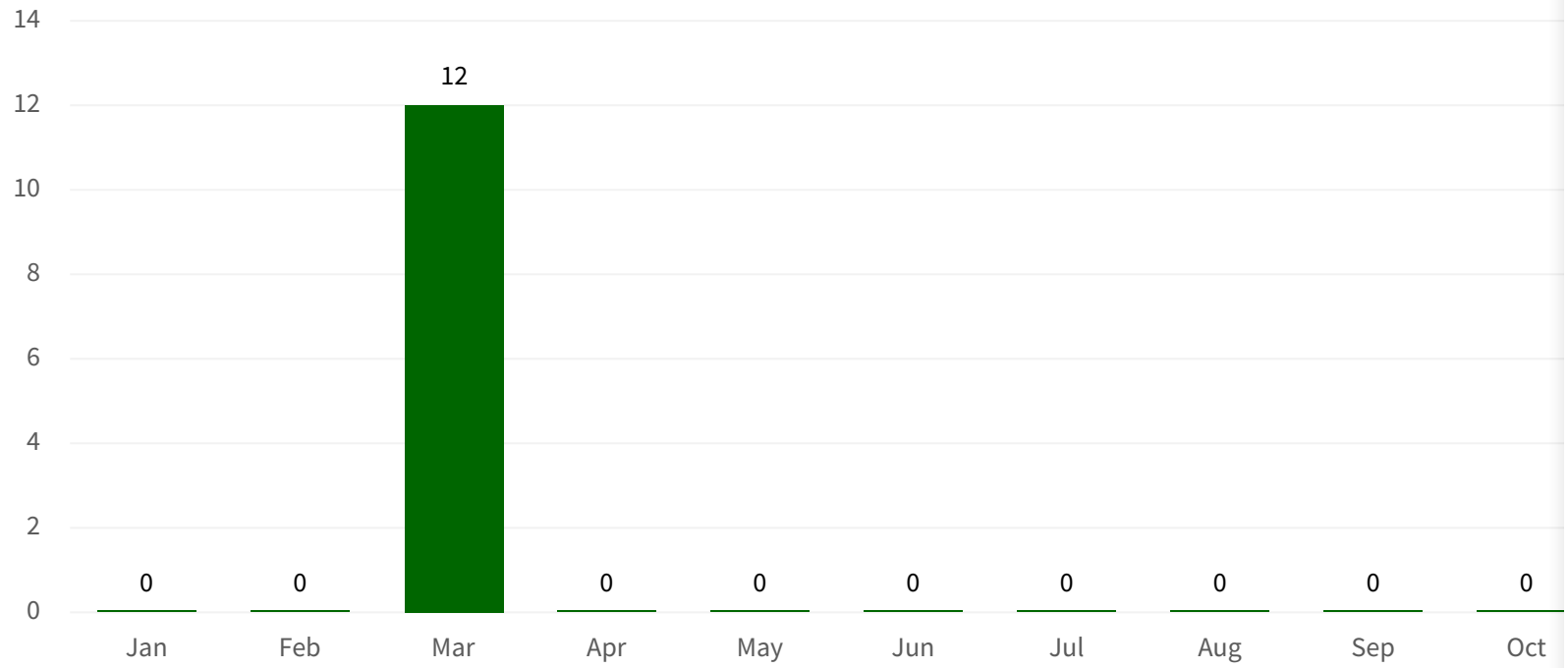

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