

# Revolutionizing Healthcare with Intelligent Remote Health Monitoring

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**Abstract:** Revolutionizing healthcare through intelligent remote health monitoring involves leveraging advanced technologies such as artificial intelligence, wearable devices, and IoT to provide continuous and real-time monitoring of patient's health conditions. This approach enables proactive healthcare management by collecting and analyzing vital health data remotely, facilitating Prompt identification of possible wellness issues, and reducing the need for frequent hospital visits. It promotes personalized healthcare, improves patient outcomes, and enhances the efficiency of healthcare systems by allowing healthcare providers to make data-driven decisions. This transformation in healthcare delivery ensures better access to care, particularly for individuals in remote or underserved areas, while also addressing the growing demand for healthcare services globally. Revolutionizing healthcare through intelligent remote health monitoring involves leveraging Cutting-edge innovations like synthetic intelligence, wearable devices, and the Internet of Things (IoT) to provide continuous and real-time monitoring of patient's health conditions. This approach enables proactive healthcare management by collecting and analyzing vital health data remotely, facilitating Prompt identification of emerging health issues, and reducing the need for frequent hospital visits. The integration of machine learning algorithms allows for predictive analytics, which can anticipate health deteriorations and recommend timely interventions. It promotes personalized healthcare by tailoring treatments to individual needs, improves patient outcomes through constant monitoring and timely responses, and enhances healthcare systems by allowing healthcare providers to make data-driven decision.

**Keywords:** Intelligent remote health monitoring, Artificial intelligence in healthcare, Wearable health devices, Predictive analytics in healthcare, personalized healthcare