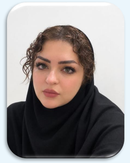
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THE FIRST INTERNATIONAL CONGRESS ON HEALTH SERVICES TRANSFORMATION

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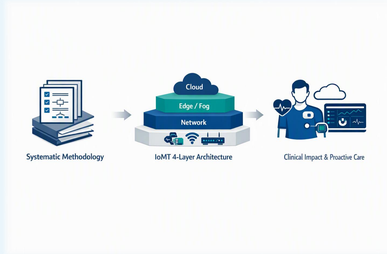


The Role of the Internet of Medical Things (IoMT) in the Development of mHealth and Telemedicine Applications

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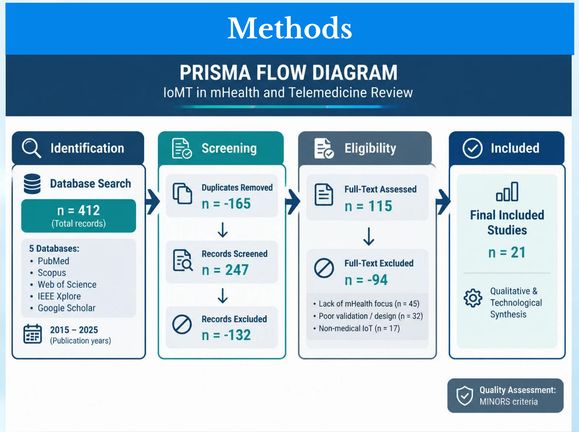
Backgrounds

The Healthcare Dilemma: Global healthcare systems face escalating burdens from aging populations and rising chronic disease prevalence, leading to frequent hospital readmissions and unsustainable clinical workloads.

Convergence with IoMT: The Internet of Medical Things (IoMT) bridges smart biomedical sensors, wearables, and high-speed networks (5G/Edge), transforming passive data collection into real-time physiological intelligence.

The Core Challenges: Despite transformative potential, clinical translation is constrained by critical bottlenecks: extreme latency requirements, severe bandwidth limits, interoperability silos (HL7/FHIR gaps), and stringent cybersecurity/privacy mandates (HIPAA/GDPR)

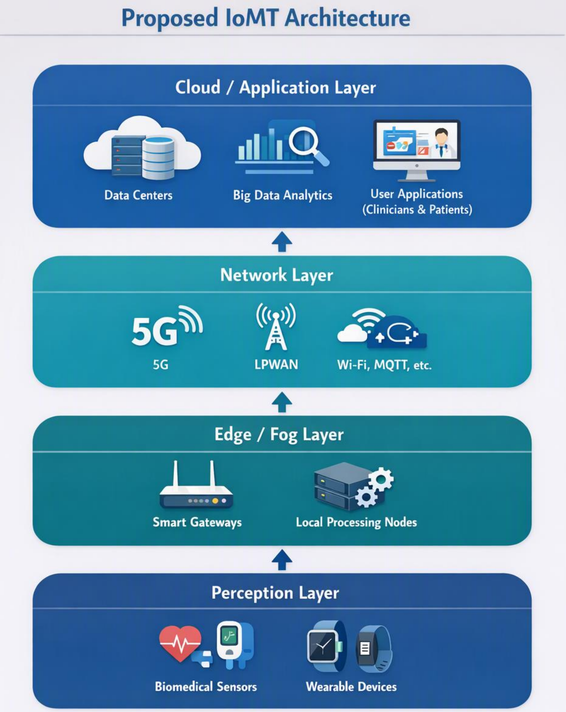
Methods



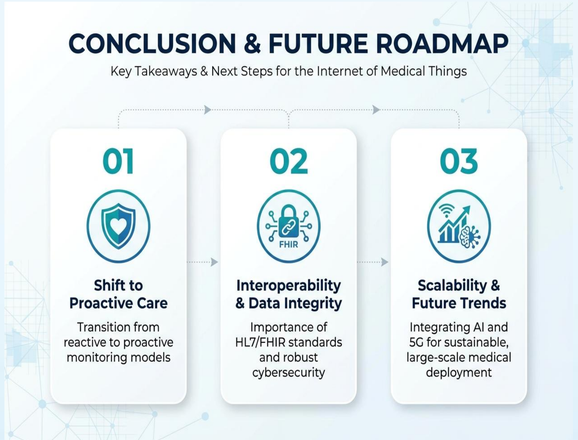
Findings



Feature	TRADITIONAL TELEMEDICINE	IoMT TELEMEDICINE
Data Acquisition	Episodic	Continuous
Care Model	Reactive	Proactive
Latency	High	Ultra-low
Architecture	Centralized	Hybrid



Conclusion



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