HealthcareNXt: Redefining care in the era of 5G
The Healthcare industry landscape is changing rapidly. Key factors driving this change are the aging population, rise in chronic diseases, demographic shifts, urbanization, climate change, etc. These have led to a rapid increase in global healthcare costs. Global healthcare spend rising rapidly at a CAGR of 5.4% over the next five years to $10 trillion, out of which providers consume around 80%.

Healthcare providers today are undergoing a fundamental shift in how they do business to reduce cost, increase their quality of care, expand healthcare benefits, and navigate new payment models. This massive shift has caused providers to adopt Virtual Care enabled by Electronic Health Records (EHRs), diagnostic and video conferencing devices at customer premises, and effective communication mechanisms. The COVID-19 pandemic has accelerated these trends and put pressure on healthcare systems.

In the next few segments, we shall endeavour to address the challenges faced by CXOs, who are looking to take advantage of technology, specifically,

- How digital transformation of healthcare business models will be enabled by 5G.
- How 5G can be leveraged to improve patient outcomes while opening up new revenue lines and enhance competitive advantage
Turning Crisis into an opportunity - digital transformation in healthcare business models

Virtual care enabled by HD video calls, remote sensor monitoring, medical data transfer, AI-powered assessment apps, and other technological advancements in the healthcare sector are expected to become the new normal.

5G Healthcare market by 2026 - $156 Billion.¹

The global wireless health market is projected to $315 Billion by 2025 - a CAGR of 23.5%.²

The telemedicine market was estimated to be $40 Billion in 2019 and - CAGR of 15.1% till 2027.³

Global Healthcare spend growing at a CAGR of 5.4% expected to reach US$ 10 Trillion by 2022.⁴

Chronic diseases (Heart disease, Cancer, Diabetes) rising rapidly throughout the developed world account to over 80% of deaths.⁵

Expected rise in life expectancy from 73.5 (2018) to 74.4 (2022) likely to further boost healthcare spending.⁶

COVID-19 like situations will fast track investment and adoption of Tele Health.⁷
Digital in ‘Healthcare’ is not a thing; it is the ‘new way’ of doing things

5G, along with its inherent benefits like Ultra-high data rate, Low latency, and High-energy efficiency, are effective healthcare transformation tools.

A ‘digital-first outlook’ towards healthcare can be instrumental in adapting to the customers’ changing needs. With strong inroads already into digital health, it is time for healthcare providers in the UK to augment their healthcare offerings and infrastructure.
Increasingly, the entire healthcare ecosystem is being pushed towards achieving the KPIs used to measure the efficiency and quality of care provided. These solutions are tools the providers can utilize to achieve those KPIs and drive differentiated business models.

The implementation of the solutions are designed to achieve the following outcomes:

- **Improved Patient Outcomes**
- **Better Management of Hospital Assets**
- **Improved Healthcare Access**
- **Improved Surgical Outcomes**
- **Driving Efficiency**
Below is the high-level view of the end-to-end solutions (E2E) developed by Tech Mahindra in conjunction with our ecosystem partners.

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Why Tech Mahindra and why now?

With its vast experience in Communications, Engineering Services, Tech Mahindra, along with HCI Group (a global leader in digital healthcare transformation), have created 5G based digital solutions for the ever-evolving healthcare sector. The key focus has been on disruptive innovation, design thinking, and cost optimization.

Tech Mahindra has put together a set of solution packs where TechM would act as a single point of contact who would deliver end-to-end solutions by bringing multiple components ranging from devices to managing the private network.

Tech Mahindra has a strong partner ecosystem that includes diverse stakeholders such as solution providers, healthcare systems, OEMs, cloud hosting providers, telecommunication providers, and medical equipment & device manufacturers. We can be the Solutions Integrator (SI) for realizing healthcare use cases through ‘Subscription-based Enterprise

‘E2E Solutions’ enabled by 5G & Edge Computing.

- Solution As A Service - Solution Packs on a Subscription basis
- Single Window Solutions Integrator and Operator

Stay ahead of the curve by accelerating your healthcare business’s digitization through reliable 5G service offerings from Tech Mahindra, the experienced and preferred ‘Solutions Integrator’.

For more details about our offerings, please contact us at 5GForEnterprise@TechMahindra.com
# References

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6. Deloitte - Outlook 2019
7. World Economic Forum - Telehealth could be a game-changer in the fight against COVID-19