
Internet of Medical Things (IoMT): Empowering Healthcare with IoT and 5G



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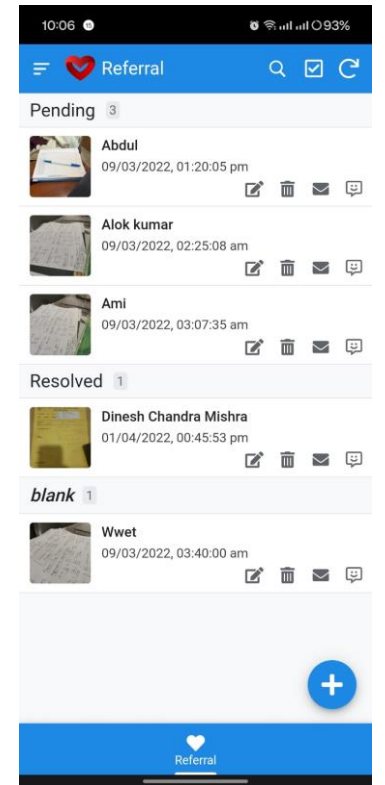
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Holy Family Hospital, Okhla Road, New Delhi

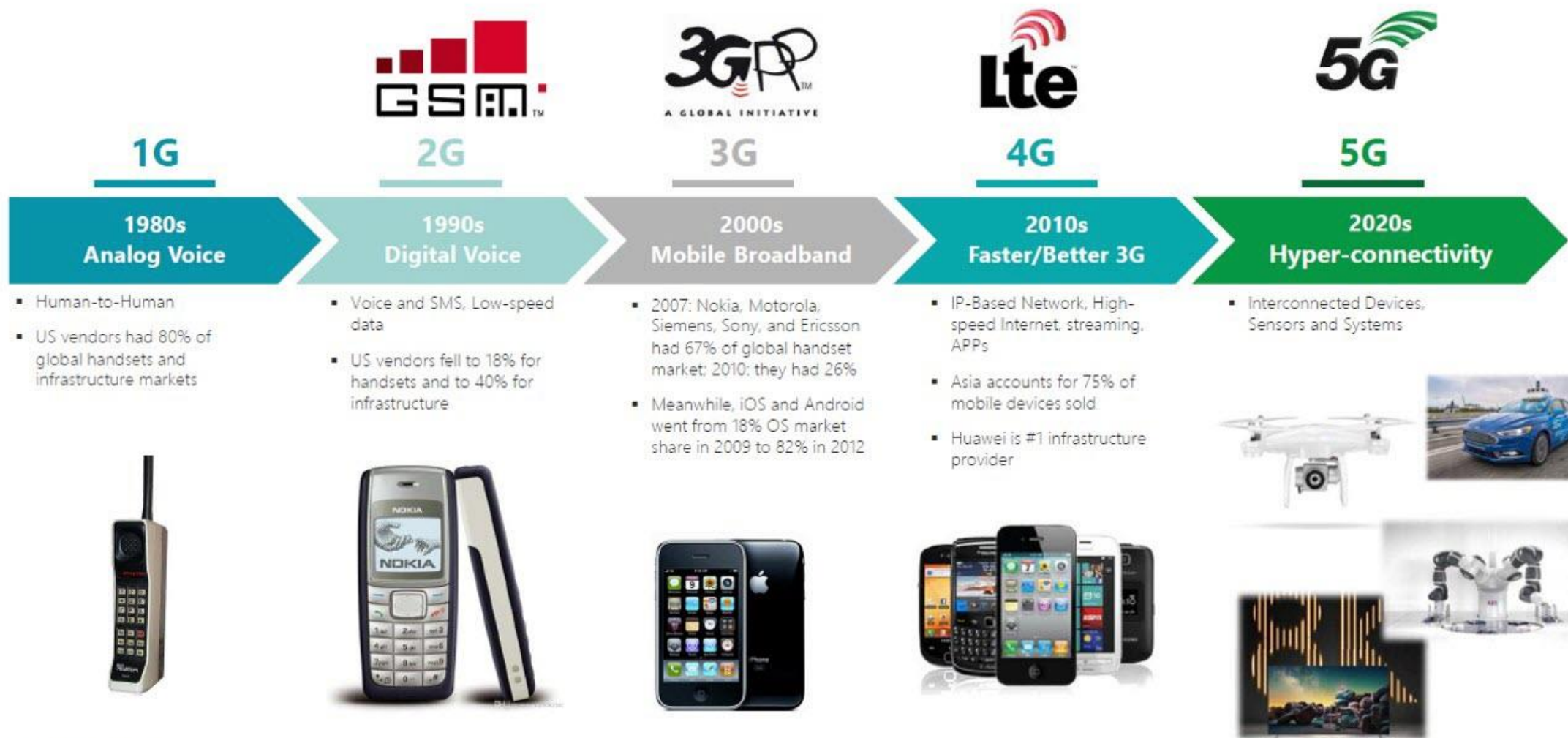
Self Introduction

Medical Doctor | Technology Enthusiast



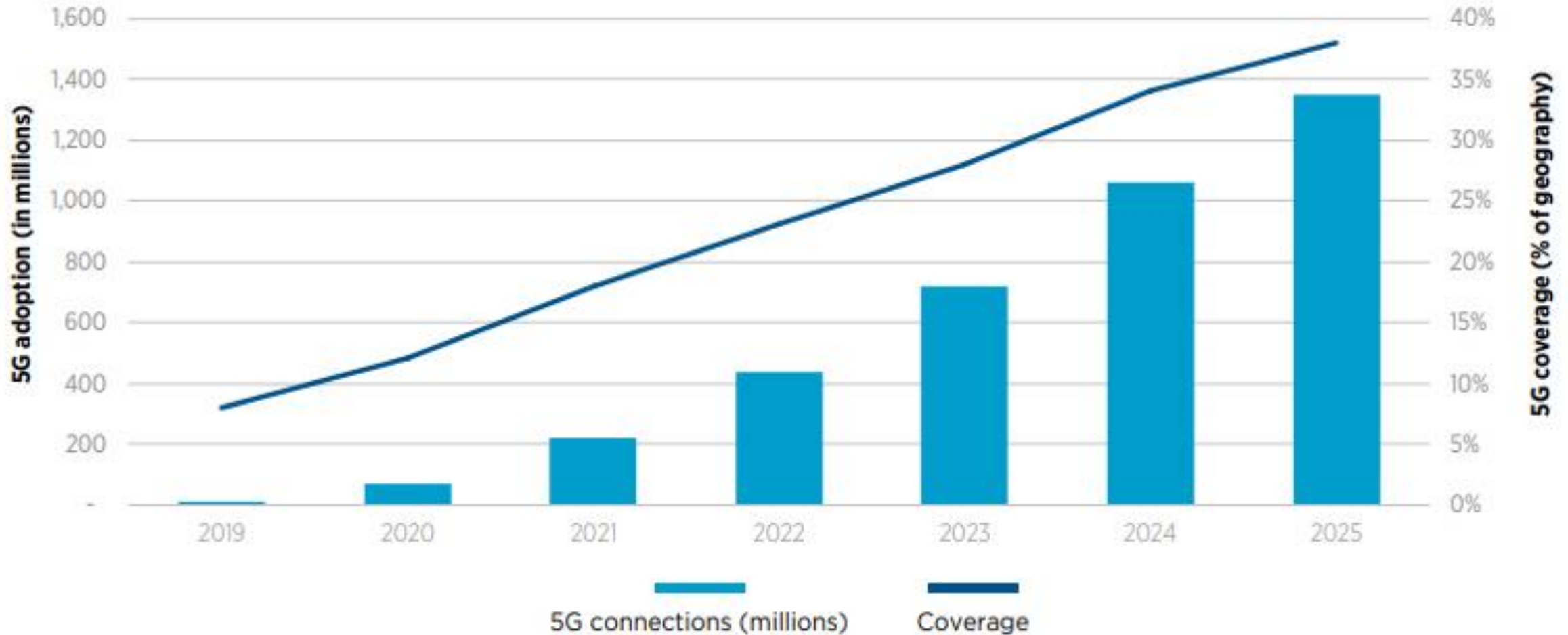
Every new generation of connectivity capability enables fundamental process reinvention

The 5G disruption - from Consumer centric towards Industry & Verticals

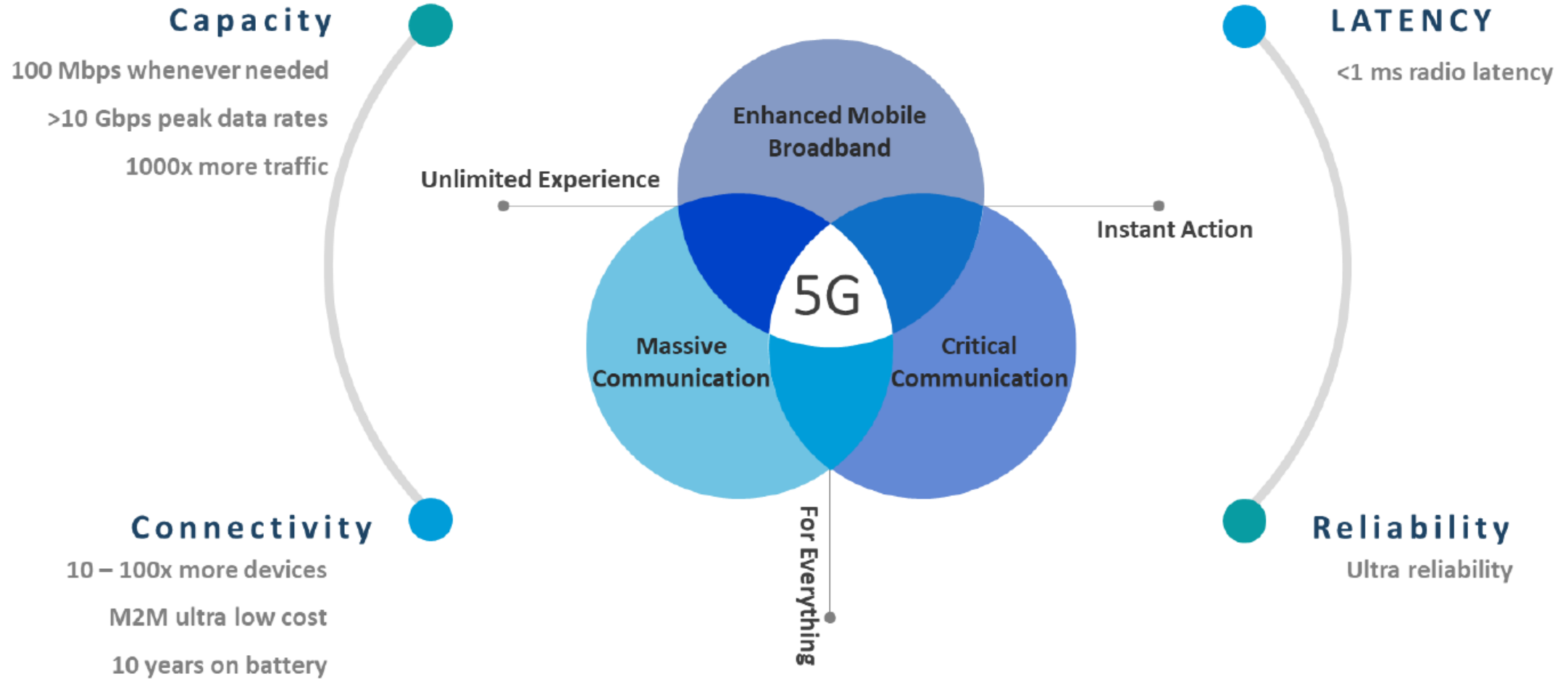




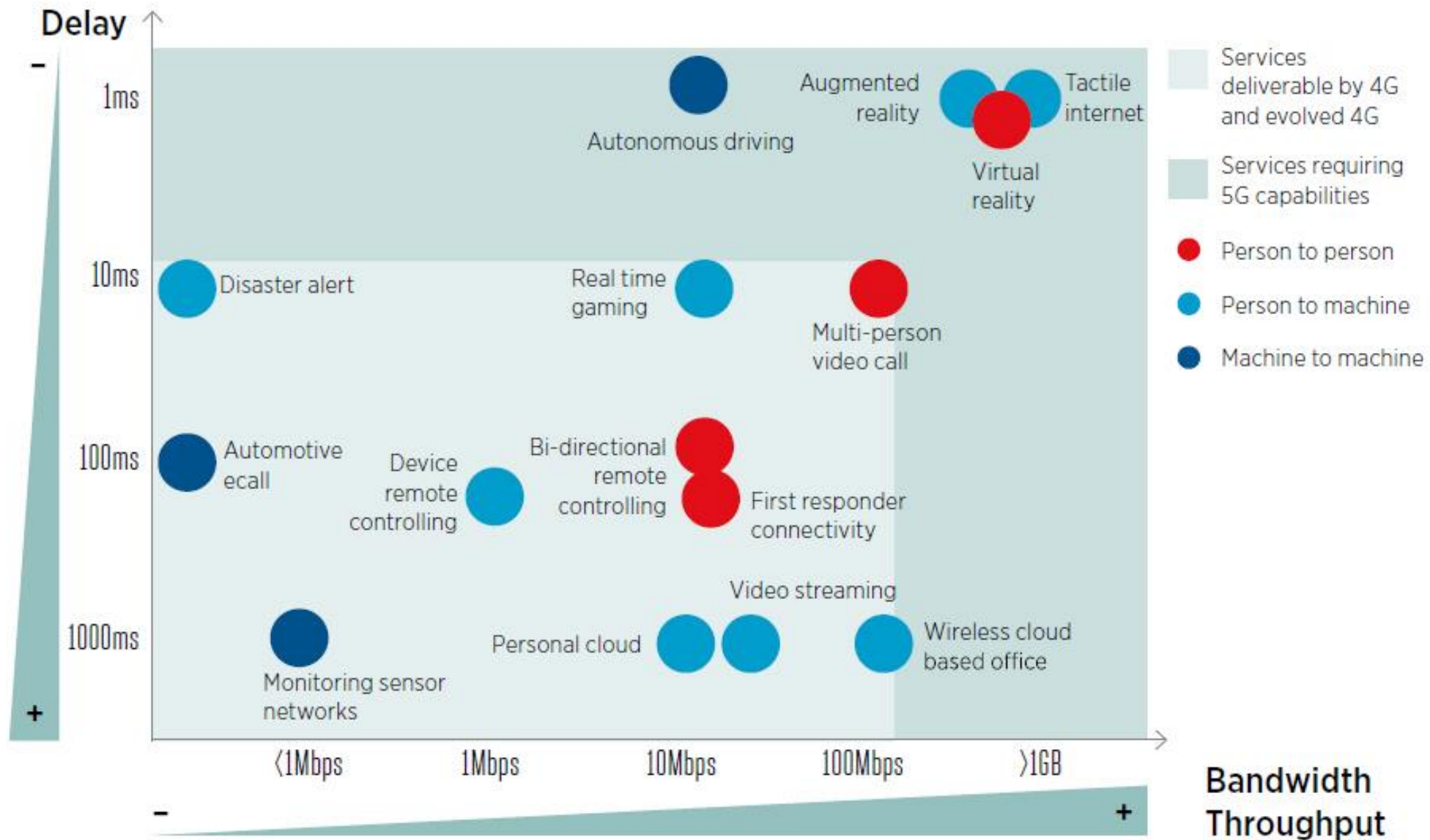
Global 5G coverage and adoption (Source: GSMA Intelligence)



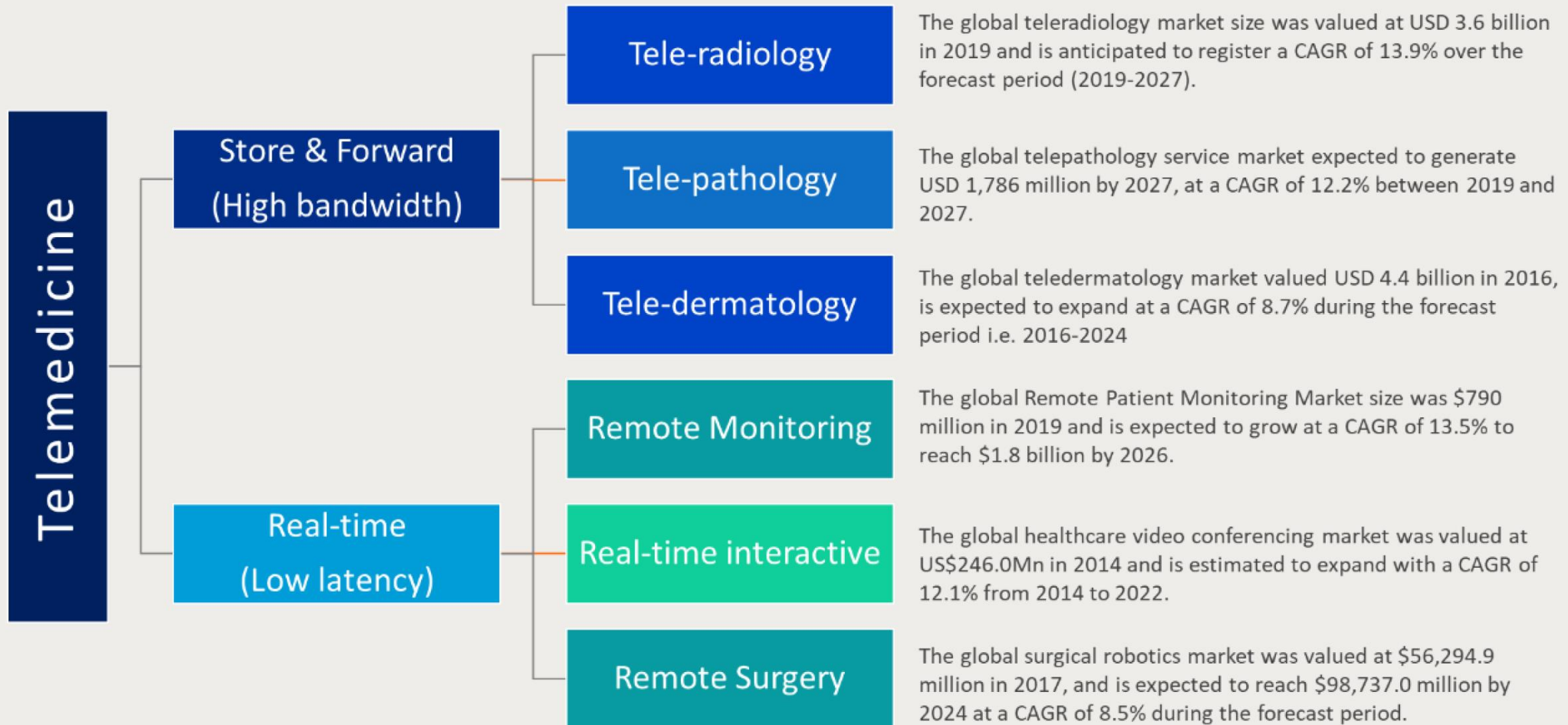
Towards → 5G



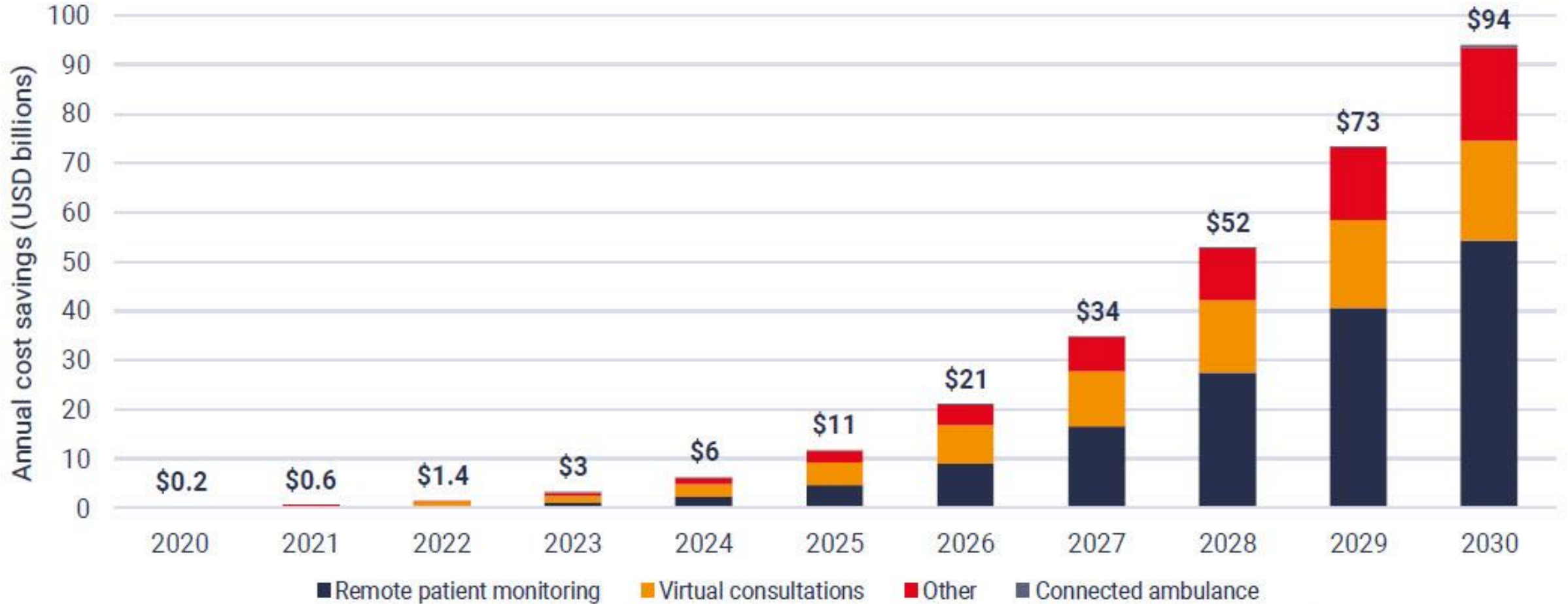
5G Motivations



5G & Health



5G & Health



Source: STL Partners analysis

Internet Of Things

Any Device

Anybody

Anywhere

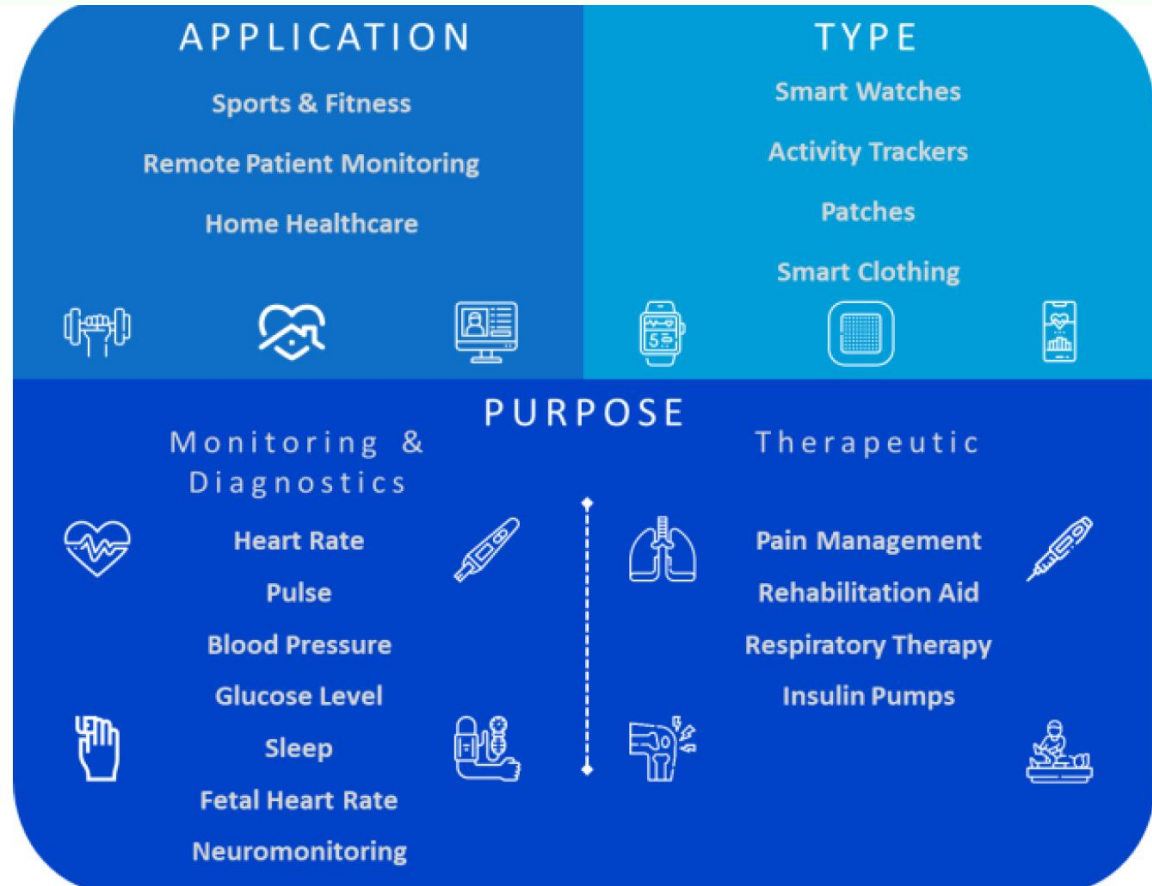


Any Business

Any Network

Anytime

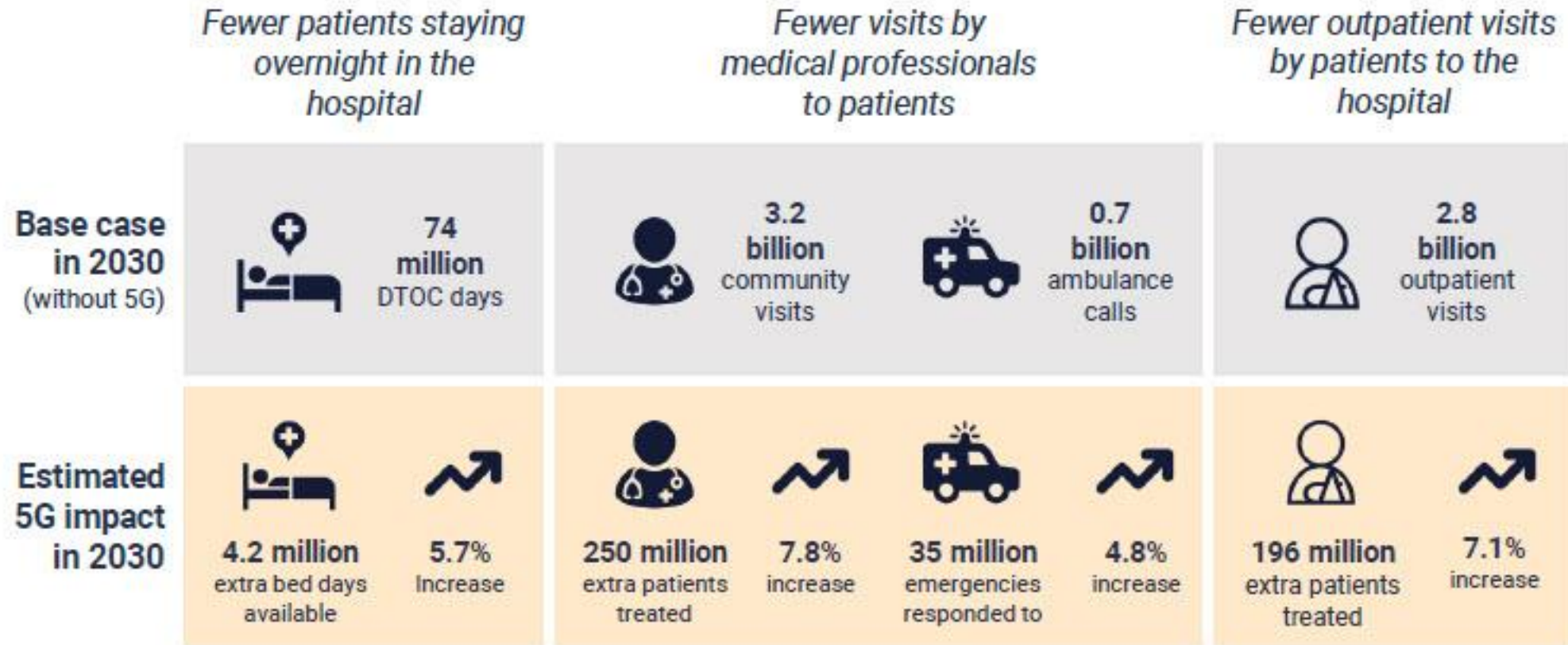
IoMT, 5G & Health



Category-wise Usage of mHealth Apps Across the Globe



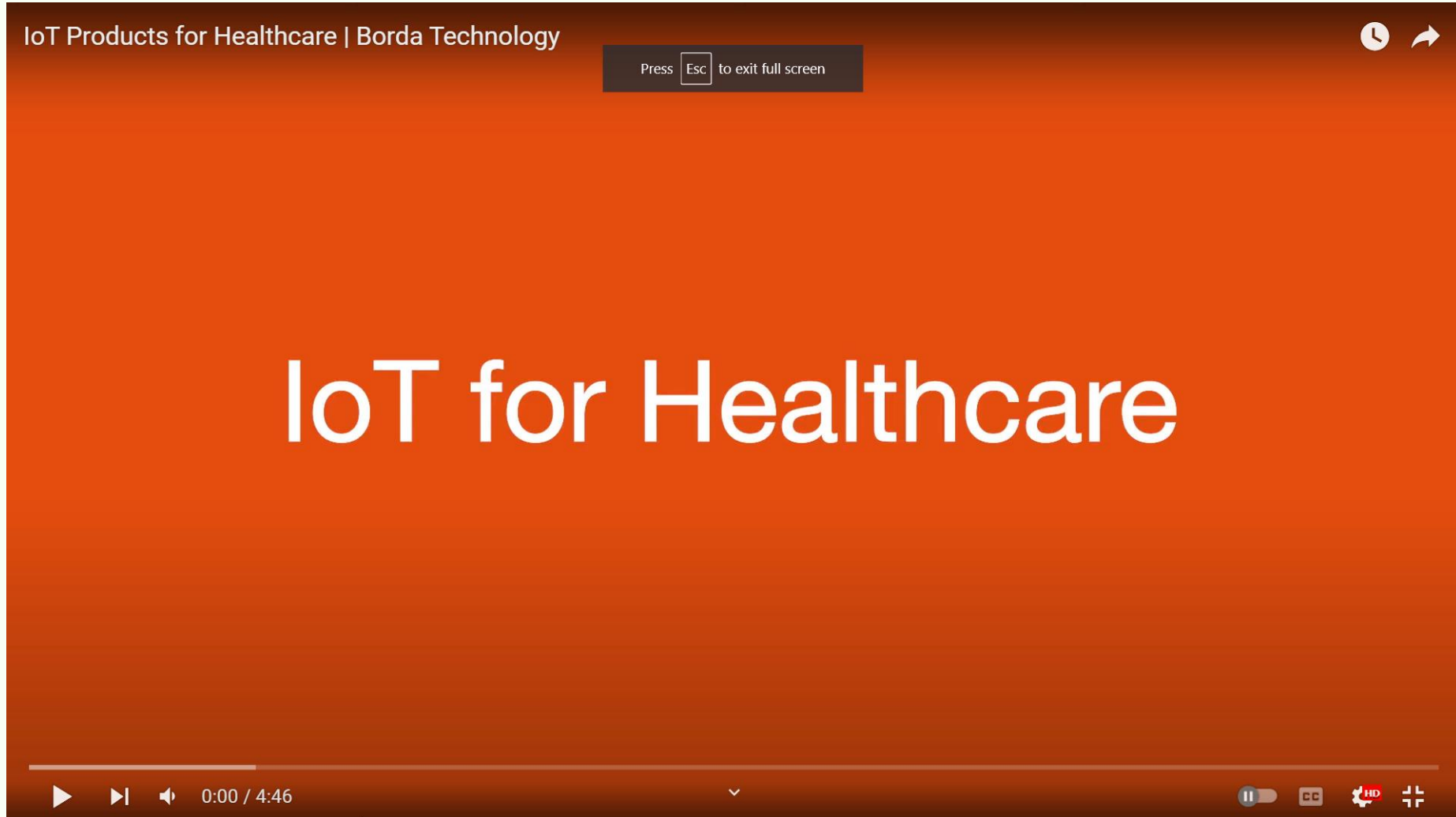
Estimated global impact of remote patient monitoring (2030)



Source: STL Partners analysis, NHS data, NHS England data, STL Partners survey August 2019, World Bank Data

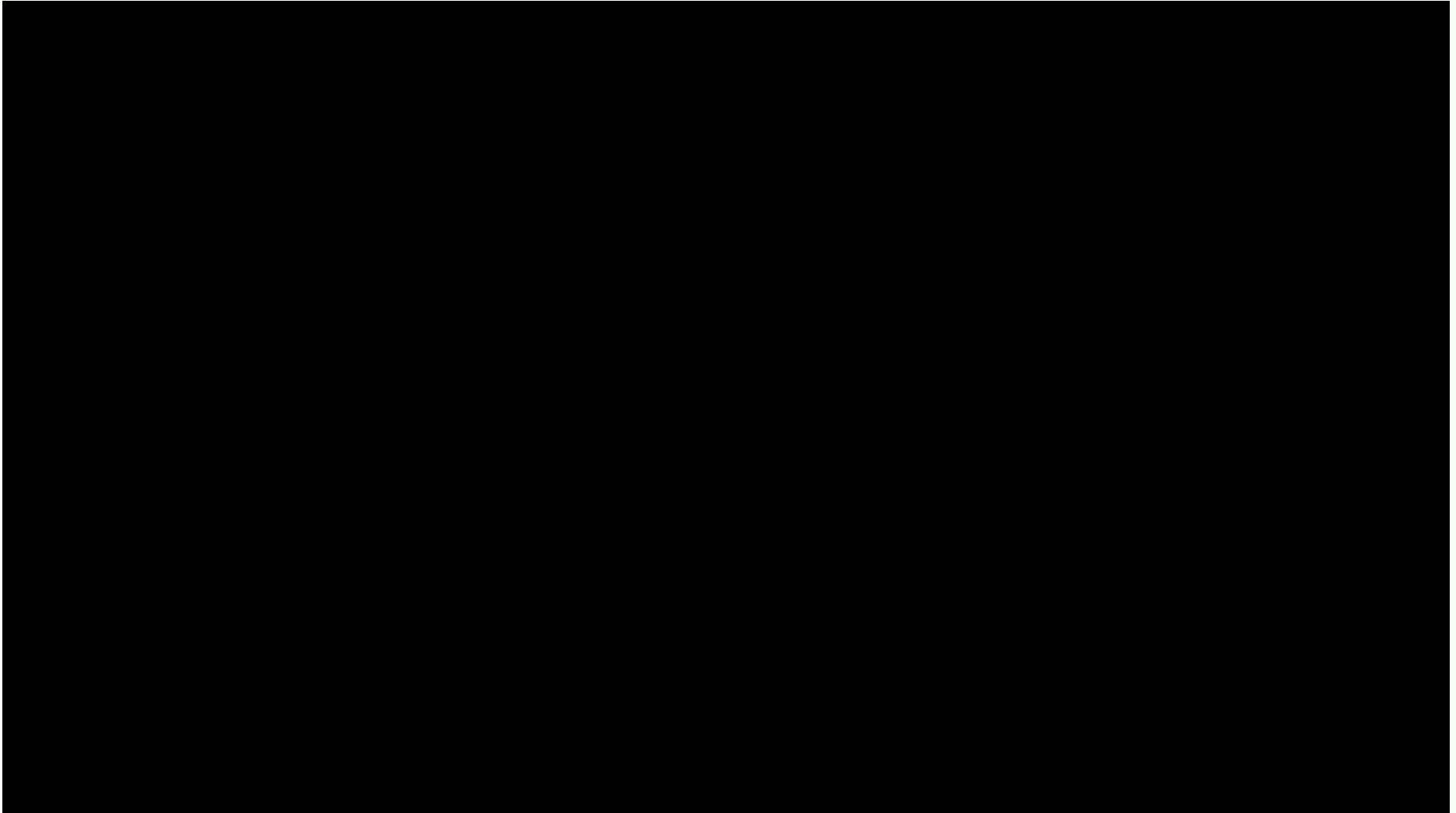
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Asset Inventory Management



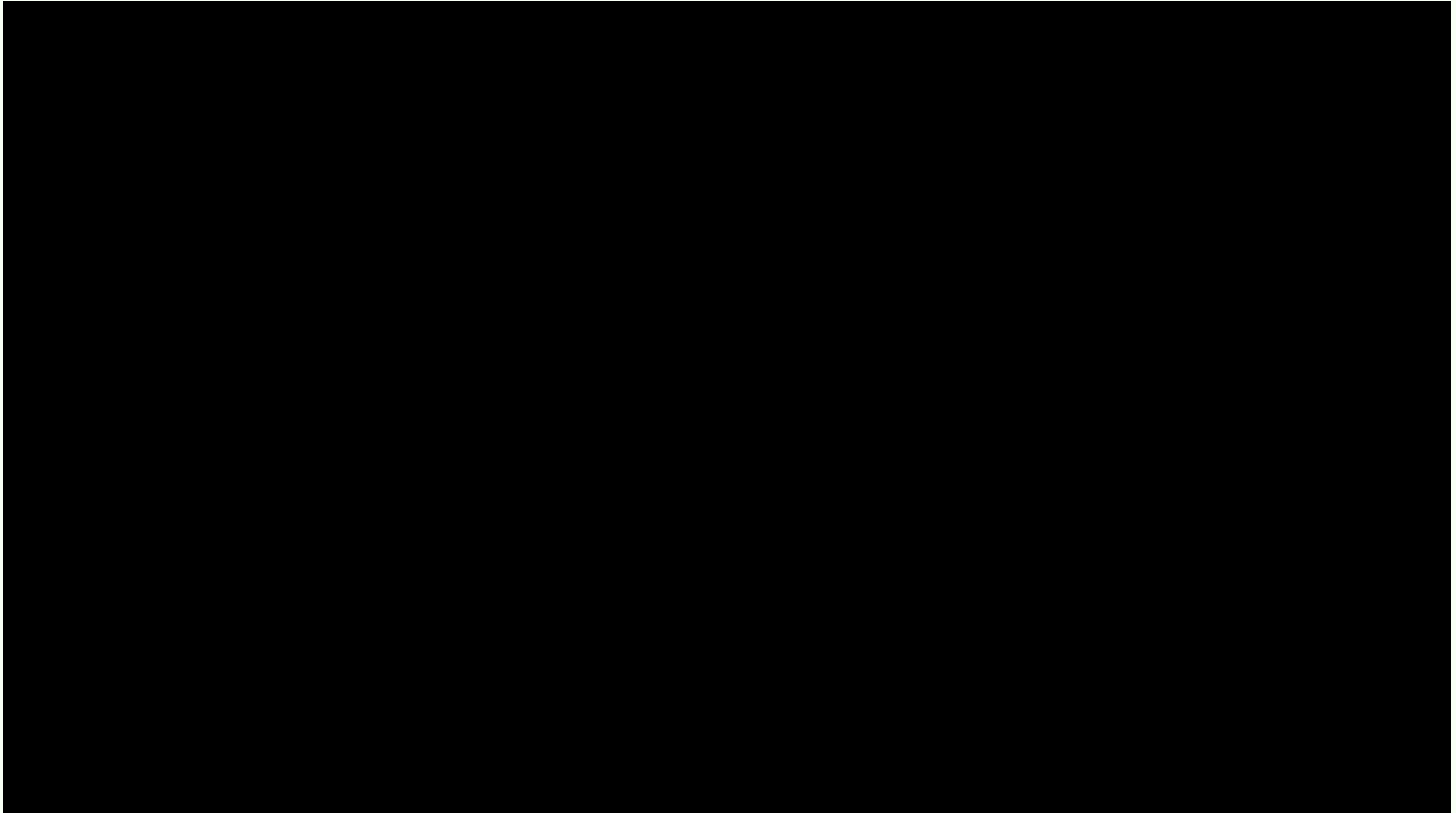
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Asset Utilization



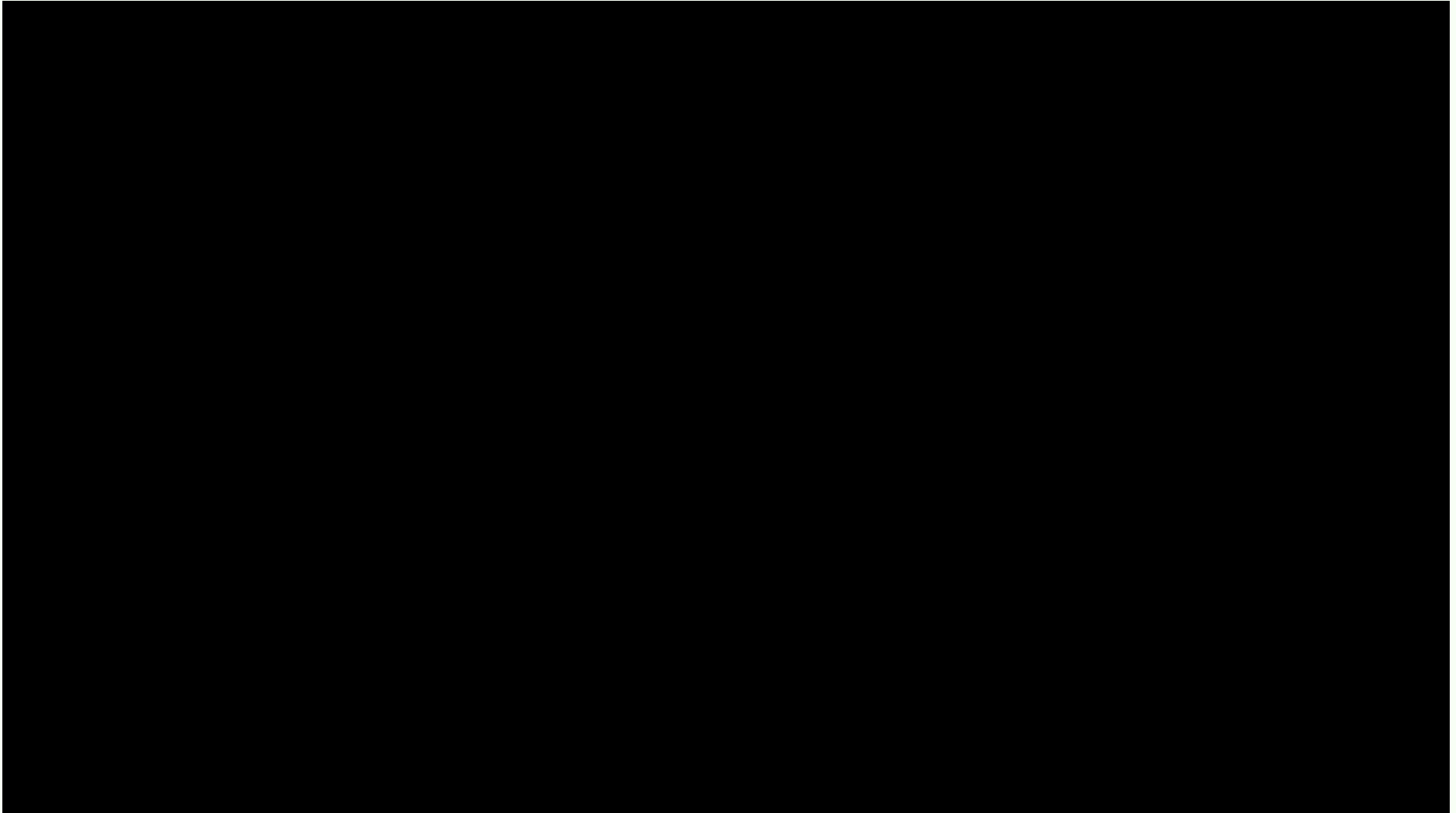
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Asset Safety



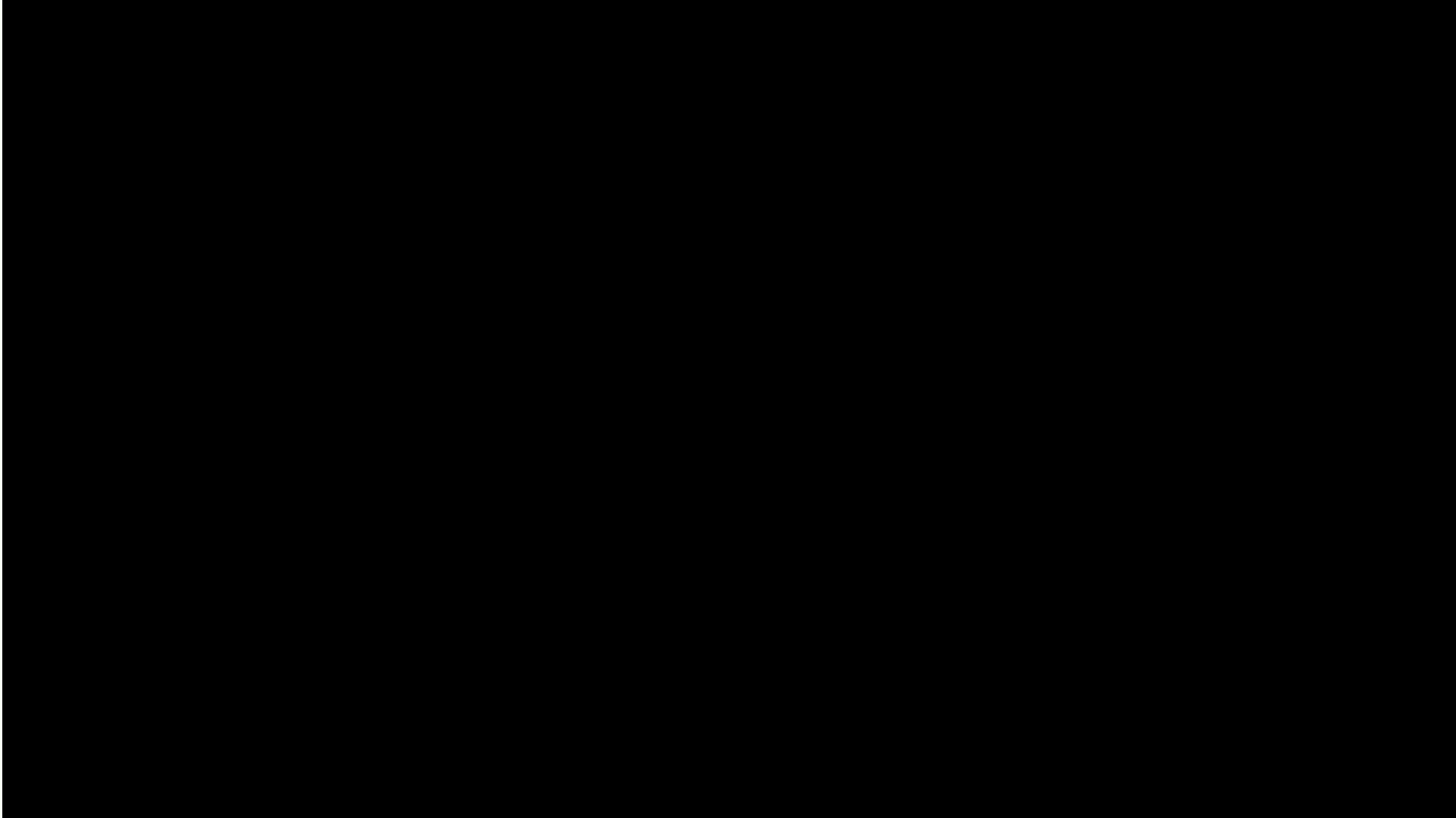
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Patient Throughput Management



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Patient Safety



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Infant Safety



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Staff Safety



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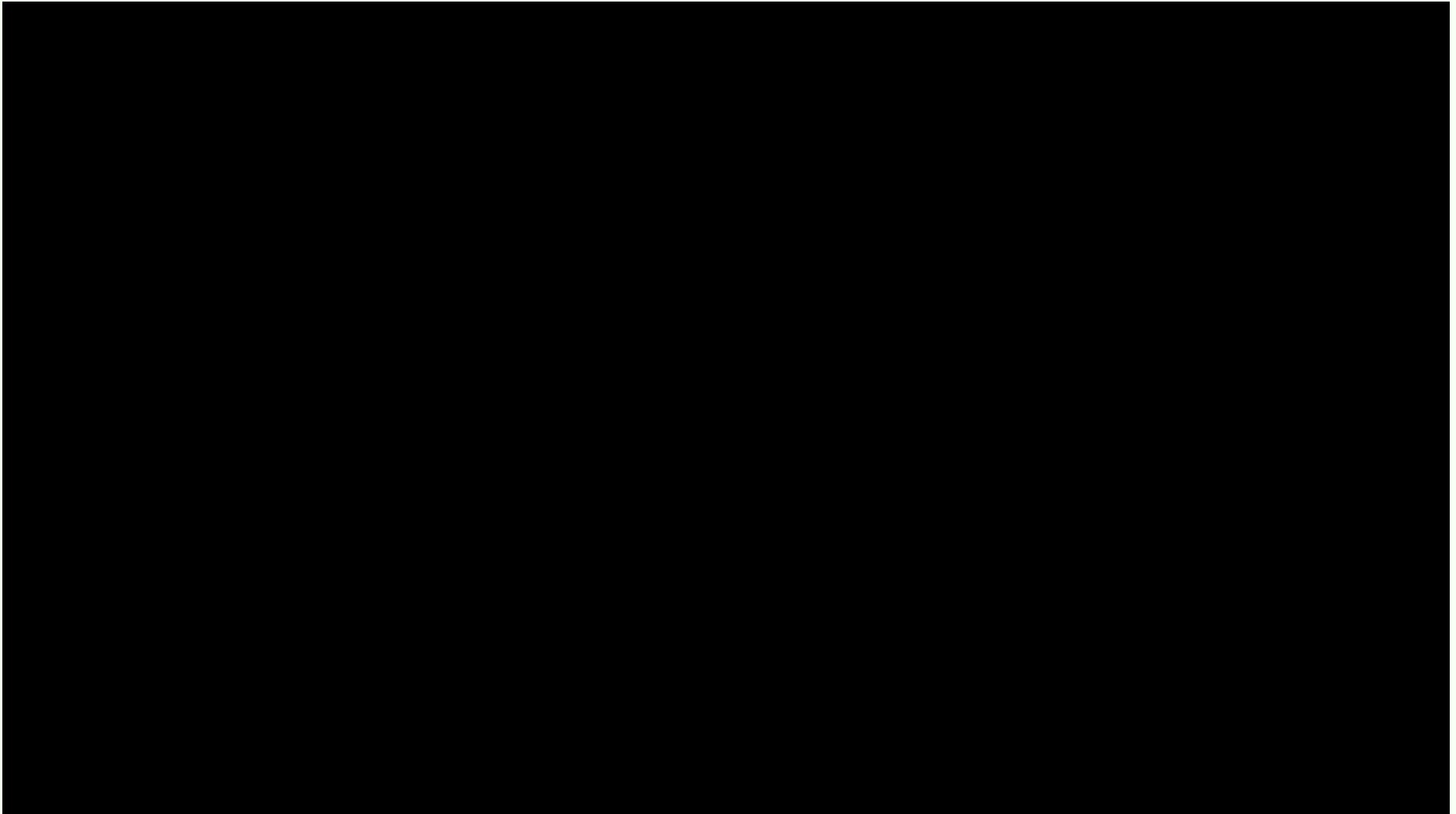


Location-aware Work Demand Management

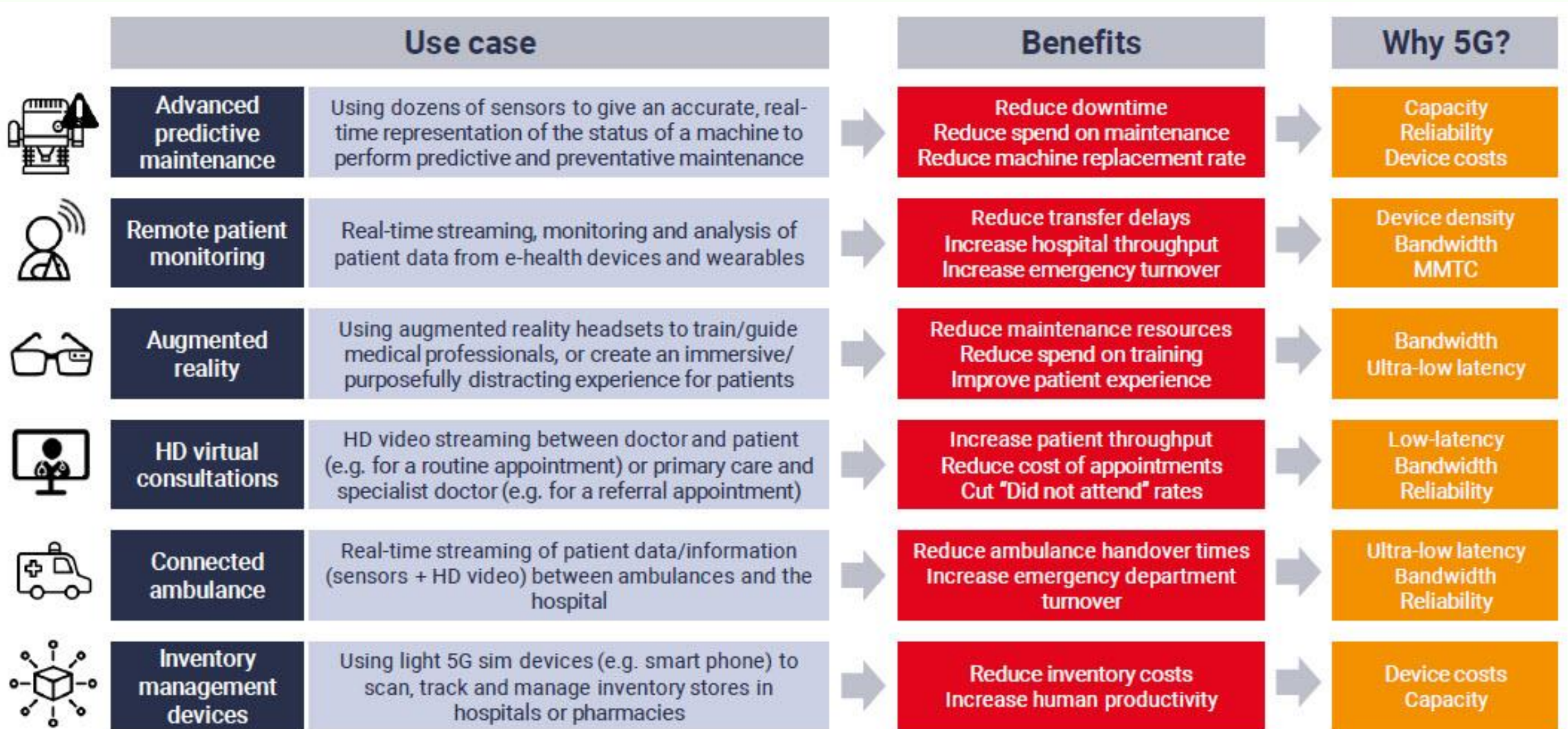


IoMT, 5G & Healthcare

Environmental Monitoring



IoMT, 5G & Healthcare



IoMT, 5G & Healthcare



- A healthy society makes a healthy world and thus a better future comes with 5G-enabled smart healthcare.
- 5G brings latency low enough to provide real-time information either to deliver live HD video to a paramedic or to enable remote surgery.
- High bandwidth enables doctors to keep in contact with patients or the elderly or to transmit and analyze large data files.
- Reliability and security enhances communication within hospitals and thus 5G technology is set to have a transformative impact on healthcare.

