

5G and Healthcare



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We are entering into an era
of unprecedented challenge,
change & opportunity,
shaped by complex &
dynamic forces...



.... our new vision looks out
to 2030 and makes it clear
that we want to have
positive impact on industry
and society.

5G and Healthcare – 2021 View



Demand and diversity

- Broader interest in the use of connectivity towards such area as the elderly, home care and mental health
- Market research suggests that doubling of e-health post-pandemic

Applications and services



- Increasing use of applications supported by wearables in consumer and enterprise markets
- Analysts predict that digital worlds/virtual equivalents can reduce costs by 1/10 towards training¹

Use-cases and developments

- Increasing number of similarities between use cases and research
- Monetization and scalability of solutions increasingly important

COVID



- Highlighted the global inequalities to the access of medicine and healthcare
- Provided a platform for stronger collaboration towards innovation

COVID-19 is pushing companies



to scale
remote work



to accelerate
digitalization



to accelerate
automation



Source: Future of Jobs Report 2020, World Economic Forum.

Diverse and growing number of opportunities possible towards healthcare with connectivity

Benefits observed with connectivity towards healthcare



Cost savings
through
automation/AI

Increased
accessibility –
remote support

More
personalized
and proactive
care

Accelerated
learning

Rapid response
– remote
ambulances

Real-time
transfer of data
rich media

Novel and
remote
monitoring
techniques

New techniques
for palliative
care – digital
therapeutics/
rehabilitation

Ericsson and Healthcare – how can we help



Ericsson Use Case Examples



Distance Learning

2021

- Innovative 5G robot connectivity trial in Denmark
- Enables a teenage student to join his classmates in real time, inside and outside the classroom despite having a medical condition which prevents him from physically attending school.
- Benefits to other healthcare opportunities



Non-evasive Monitoring

2019

- Using affordable and unobtrusive smarhome sensors like motion, power sensors, door/window or environmental
- Combined system can learn about typical person habits.
- Intelligent service that offers family members reassurance and independent of any smart home device manufacturer.



Connected Ambulance

2020

- Provides an innovative new way to connect patients, ambulance workers and remote medical experts in real time
- A camera based in the ambulance transmits high-definition footage to the remote clinician with close to zero latency. Using a VR headset and a joystick, the clinician can then remotely guide the paramedic through a series of procedures based on haptic glove technology.



Key takeaways



1

Momentum for 5G towards healthcare accelerating at pace

2

Awareness of possibilities with 5G still limited

3

Reuse of solutions and research imperative to scale benefits across countries

4

Benefits of 5G crosses many areas of the healthcare sector

5

Improving lives is an inherent part of the Ericsson Vision

