

Lenovo
Health

Charting the sudden transformation of digital healthcare

The idea of using connected devices to deliver convenient, collaborative healthcare is not new. For decades, the industry has been gradually incorporating digital practices – now, the urgent need for remote working has catapulted transformation to the top of the agenda.

How has the industry adapted to provide safe, responsive and effective healthcare from home?

 Windows 10

The best devices in the world run Windows 10 Pro

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technology
for all**

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The change was already in motion...

The population is ageing, and there aren't enough doctors to keep up with demand.

Only three people
of working age to
each person over
65 in the EU
in 2018¹

250%

predicted increase in
proportion of people
over the age of 80 in
the EU by 2100¹

15 million

predicted global shortage of health
care professionals by the year 2035,
due to an ageing workforce according
to World Health Organisation, 2017²

... but European healthcare has been slow to adopt technology

- Previously **90%** of European eHealth professionals used a form of telehealth service, but mainly for administrative purposes³
- In 2019, only **1%** of GP appointments were carried out remotely in the UK⁴

An urgent transformation is underway

The healthcare industry is responding to massive disruption, accelerating the shift towards remote healthcare practices using modern technology solutions.

- **>200%** increase in consulting hours and app downloads for video-consultation services in Europe⁵
- **100x increase** in e-consultations on French healthcare platform during Covid-19⁶
- **70% increase** in telemedicine orders on Push Doctor platform in the UK⁷



Patients are responding well to **the transition**

In a survey of 2,700 patients with chronic illness from China, France, Germany, Japan, the UK and the US.⁸

44%

of patients started using a new device or app for healthcare

70%

used telemedicine for the first time

63%

said it was very good or excellent

**More efficient.
More convenient.
More cost-effective
healthcare.**

90%

believe eHealthcare is as good as, or better, than traditional treatment

47%

had better, more personalised responses

41%

had quicker responses

40%

found communication more convenient

60%

said their trust in healthcare had increased as a result⁸

Protecting digital is critical

In Europe, virtual medicine has been held back by strict privacy regulations such as GDPR. Failing to comply with data protection incurs significant costs.

>70% believe the sudden increase in remote working will increase the time and costs associated with each data breach⁹

Healthcare is the most costly industry for data breaches

£2.9M

Global average cost
of a data breach

£5.4M

Global average cost of a
healthcare data breach⁹

Lenovo ThinkShield combines world-class security solutions to protect from cyberthreats. Modern devices with Windows 10 Pro and end-to-end protection create a foundation for a secure business.

- Only **23%** of healthcare organisations have fully deployed security automation tools
- **£1.5M** average cost-saving created by fully-deployed, automated security solutions⁹



The future of digital healthcare

In 2019, Europe accounted for a **28%** share in the global remote healthcare market¹⁰

Real-time virtual health is the quickest growing market segment with a Compound Annual Growth Rate of **33%**

Global Virtual Healthcare Market is expected to grow from

£1,463.79M

in 2018 to

£6,299.07M

by the end of 2025¹¹





The European Commission recognises the need to adopt up-to-date, international standardised practices to improve interoperability and collaboration between member states.

Healthcare data is set to grow at a compound rate of

36%

through 2025¹²

IT teams are expected to be responsible for **three times more endpoints** by 2023 than in 2018¹³

A regulated approach to sharing data combined with reliable, smarter technology will enable clinical adoption of AI and IoT.

AI is expected to deliver

50%

reduction in treatment costs

30% to 40%

improvement in patient outcomes¹⁴

Smarter digital transformation

Lenovo provides more than 1,600 healthcare organisations with innovative solutions at scale – from powerful data centres and hybrid cloud architectures to specialised endpoint devices.

Laptops such as **Lenovo ThinkPad T14** are made for remote working reliability, while compact thin clients such as **Nano M90n** desktop promote connectivity and save on space.

Our devices work with the latest Windows 10 Pro platform and end-to-end solutions that protect data and deliver up-to-date compatibility across the industry.

Find out how Lenovo is meeting the rapidly transforming needs of healthcare and improving patient outcomes, visit www.lenovo.com/health or contact a Lenovo Rep for more information.



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¹'Population structure and ageing', European Commission (2019) ²<https://human-resources-health.biomedcentral.com/articles/10.1186/s12960-017-0187-2> ³E-Health Trendbarometer: Telehealth Adoption in Europe – Special Edition', HIMSS Analytics (2020) ⁴GPs told to switch to remote consultations to combat Covid-19' The Guardian (2020) ⁵Op. cit., HIMSS Analytics (2020) ⁶Doctors rely on virtual house calls in virus affected France' France 24 (2020) ⁷Telemedicine Arrives in the U.K.: 10 Years of Change in One Week' New York Times (2020) ⁸'How COVID-19 has permanently changed patient behavior' Accenture (2020) ⁹Cost of a Data Breach Report 2020' IBM Security (2020) ¹⁰Remote Healthcare (mHealth, Tele-ICUs, & Virtual Health) Market - Global Outlook and Forecast 2020-2025' Arizton (2020) ¹¹Virtual Healthcare Market Research Report by Component, by Platform, by Application - Global Forecast to 2025 - Cumulative Impact of COVID-19' Report Linker (2020) ¹²'The Digitization of the World – From Edge to Core' SeaGate (2018) ¹³Top Strategic IoT Trends and Technologies Through 2023' Gartner (2018) ¹⁴'From \$600 M to \$6 Billion, Artificial Intelligence Systems Poised for Dramatic Market Expansion in Healthcare' Frost & Sullivan (2016)

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