LEGAL ASPECTS OF AI IN TELEMEDICINE

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A new EU Framework for an Ethical Re-use of Health Data

**Funded by
the European Union**

WHAT IS TELEMEDICINE?

Telemedicine is healthcare at a distance. It blends technology and healthcare, revolutionizing medical services, especially during COVID-19. Integrating Artificial Intelligence enhances efficiency but raises significant privacy and legal challenges. My analysis explores the implications of AI in telemedicine, focusing on continuous learning systems, patient autonomy, and the requirements of informed consent.

THE EUROPEAN DIGITAL STRATEGY

The European legal landscape is adapting to the field of telemedicine. Key regulations include GDPR, the European Regulation on Medical Devices, and forthcoming legislation specifically addressing AI applications in healthcare. These frameworks aim to safeguard patient rights while fostering innovation and cross-border medical collaboration within the EU.
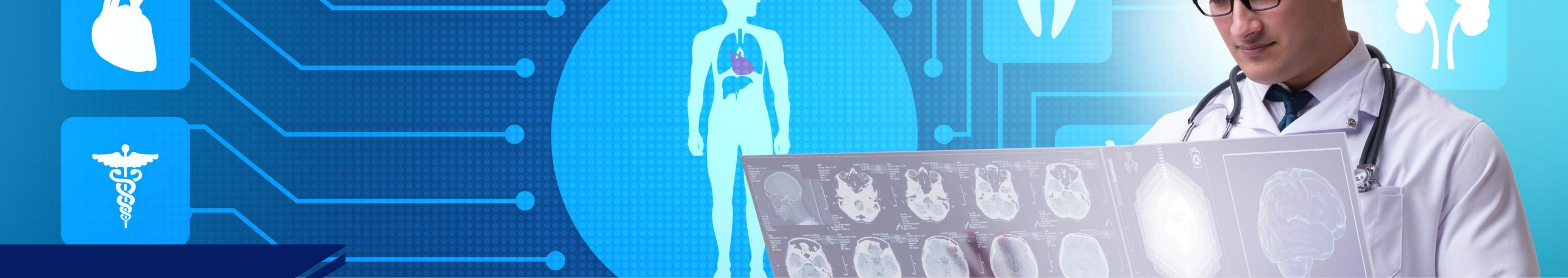
OBSTACLES

AI's integration into telemedicine promises to transform healthcare delivery, offering unprecedented diagnostic and monitoring capabilities. However, the reluctance of healthcare professionals due to liability concerns, coupled with public distrust, poses significant barriers to adoption.

CONTINUOUS LEARNING

Continuous learning AI systems represent a pinnacle in personalized medicine, adapting and learning from patient data in real-time. This innovation, however, introduces legal conundrums regarding data accuracy, bias, and accountability. The evolving nature of AI models, particularly in telemedicine, complicates standardization and raises questions about the limits of algorithmic adaptability.

ISSUES

DATA PROTECTION LAW
Many principles in GDPR

CONSENT
Difficult at a distance

SECURITY MEASURES
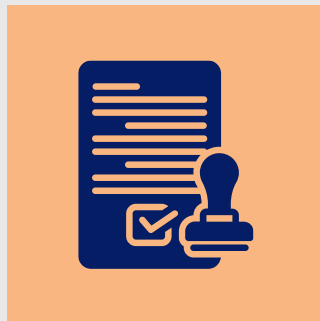More challenges due to internet

HUMAN OVERSIGHT

Mandatory in the AI Act
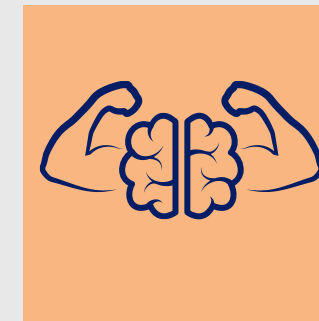Important in Article 22 GDPR

VULNERABLE GROUPS

CONSENT

The problem of the digital divide

CAPACITY

Transparency and right to information - selfdetermination

POWER RELATIONSHIP

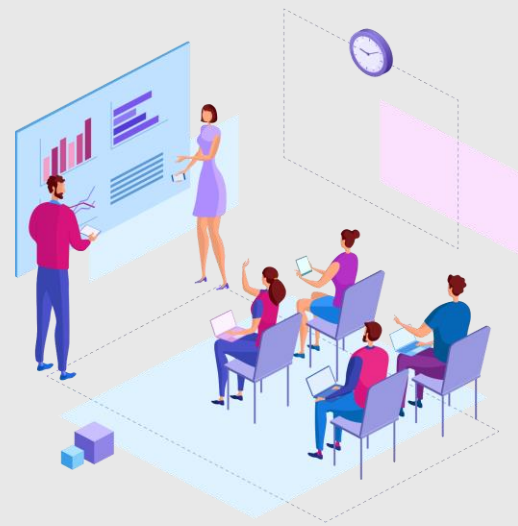Vulnerable to decisions made on them

AI AUDITING

Trustworthy AI
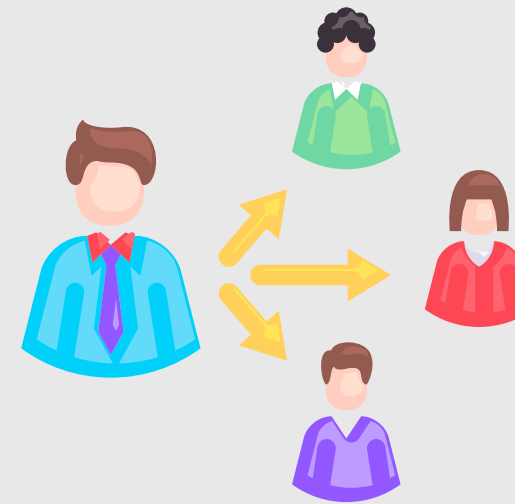Lawful
Ethical
Robust

SOLUTIONS

TRAINING

Frequent training and testing
for staff and patients

OVERSIGHT

Monitoring and auditing

MULTIDISCIPLINE

Experts in Law, Ethics, & IT

THANK YOU

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🌐 WWW.AIANDLAW.EU

🌐 WWW.DATACOMPROJECT.EU