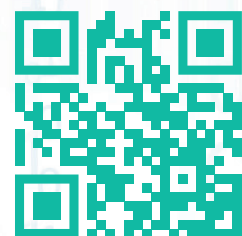**Start:** 01.12.2022
Duration: 36 months
Call: HORIZON-HLTH-2022-IND-13-01
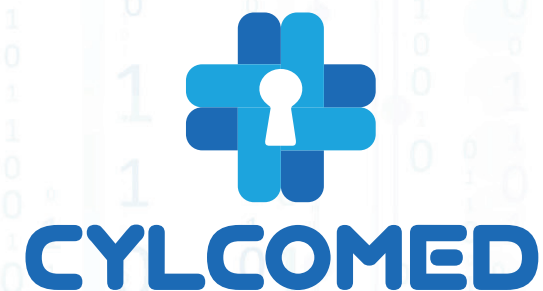**Topic:** Enhancing cybersecurity of connected medical devices

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CYLCOMED

Cybersecurity Toolbox
for Connected Medical Devices

cylcomed.eu

ABOUT THE PROJECT

As healthcare becomes more connected, the growing amount of data in healthcare organisations poses greater cybersecurity risks to both organisations and patients. In an era of rapid digital healthcare transformation, cyber-attacks, including ransomware and various hacking methods such as DDoS and social engineering scams, are on the rise globally. These threats can result in significant data breaches and disruption to critical healthcare infrastructure.
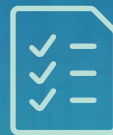
CYLCOMED will provide a methodological and technical cybersecurity framework designed for healthcare services that use Connected Medical Devices (CMDs).

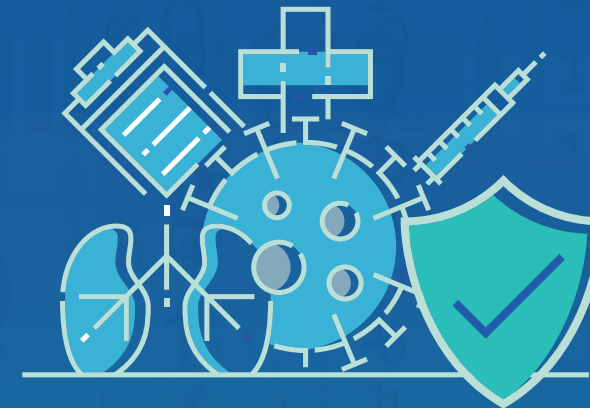Aligned with the EU regulations on medical devices

Designed according to cybersecurity standards

Fulfilment of cybersecurity requirements for CMDs lifecycle

CYLCOMED PILOTS

#1 Cybersecurity in Hospital Equipment for COVID-19 ICU patients

Many COVID-19 patients in hospitals struggle with severe breathing problems. Their monitoring requires advanced medical equipment to allow doctors to adjust the drugs' doses according to the patients' needs. This CYLCOMED Pilot will address the privacy and security issues related to the monitoring process of these Connected Medical Devices.

#2 Cybersecurity for Telemedicine Platforms
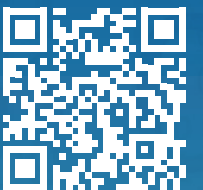
This CYLCOMED Pilot addresses the use of telemedicine platform for patients' monitoring. For critical conditions, full-fledged monitors and medical devices are used, while simpler devices track health parameters in less urgent scenarios. CYLCOMED will drive the adoption of new technological advances and ensure the right levels of security and privacy protection.