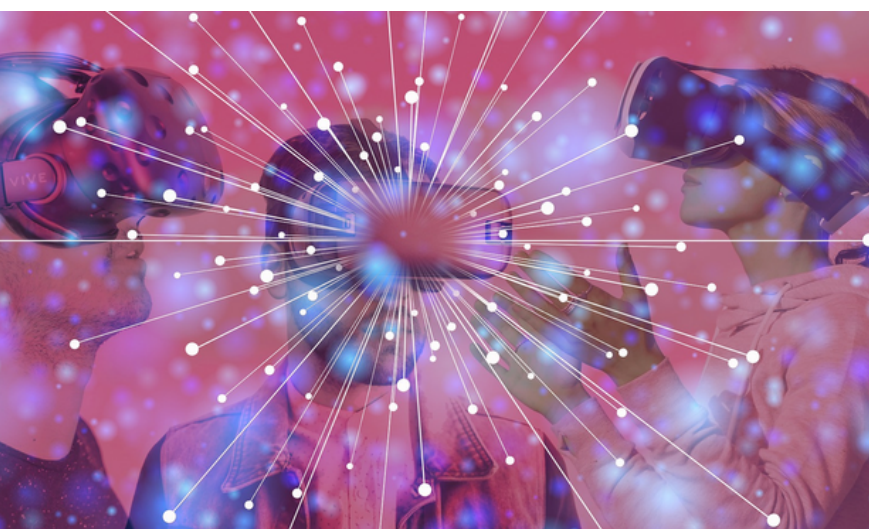


## HEALTH 4.0 TRAINING TO BOOST DIGITAL TRANSFORMATION OF EU HEALTHCARE SECTOR



Project no.: 2021-1-FR01-KA220-VET-000024860



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## Healthcare and the 4.0 technologies

Welcome to the second newsletter of the Erasmus+ project called "Health 4.0 training to boost digital transformation of EU healthcare sector", acronym EUcare4.0.

In the recent years, many technologies deriving from the industrial sector started to sharply change the environment in which both mental health professionals and their patients live. In fact, as the concept of digital transformation is gaining momentum in all areas of life daily, the applications of digital technologies tend to "specialize" in the individual sectors of application. Thanks to new solutions and to the application of digital technologies, from the IoT to the Artificial Intelligence, also mental healthcare evolved into what we call Health 4.0. At the same time, the pandemic has opened up new opportunities and has proved to be a crucial factor for the integration of digital technologies into mental health support.



[www.eucare40.eu](http://www.eucare40.eu)



<https://www.facebook.com/EUcare4.0/>

# Project's Aim & Target Group

The project's main objective is to support the digital transformation of EU healthcare through development of digital skills, competences and knowledge needed for efficiently applying and using the Health 4.0 principles and underlying technologies in the mental health sector.

The primary target groups of the EUcare4.0 project are VET trainers that deliver various trainings to mental health specialists. They will benefit directly from project results and activities and will be able to gain or improve their knowledge and skills related to Health 4.0. The secondary target group are the above mentioned mental health specialists such as psychiatrists, psychiatric nurse practitioners, psychologists, social workers, and counsellors. The project meets the needs of target groups by providing them the necessary training materials and tools.

## Digital transformation of health and care

The European Commission's communication on enabling the digital transformation of health and care in the Digital Single Market, followed by the related European Parliament resolution (12.12.2019), clearly shows the huge role that digitalisation plays in the development of better healthcare in Europe and underlines the need for health workforce with appropriate skills to support the healthcare sector's digital transformation.

Industry 4.0 is shaping the future in many areas, through the integration of technologies like Internet of Things, Big Data, 3D printing, Simulation, Virtual and Augmented Reality, Artificial Intelligence and Robotics.

Health 4.0, the translation of Industry 4.0 principles into the healthcare, enables the digital transformation of the healthcare sector. Already prior to the COVID-19 pandemic, the state of mental health of the EU population was a cause for concern.

The Health at a Glance Europe 2020 report shows that the COVID-19 pandemic and the subsequent economic crisis made the situation even worst, with evidence of higher rates of stress, anxiety and depression. One solution to cope with this serious situation is to make use of the technological advancements of Health4.0.



# ICT and Health 4.0

Today, a big part of production and management processes wouldn't be possible without the support of Information and Communication Technology (ICT).

The evolution of computing science today sees the connection through the Internet of an increasing number of equipment and smart devices while computing power continues to grow and cloud computing makes possible the provision of new distributed information services.

In particular, the potential of the new technologies in mental health care is to make solutions offered to patients more accessible, acceptable and adaptable to special needs. No mental health professional today can avoid confronting with the new issues presented by Health 4.0.

At the same time, mental health care will become more and more customized, progressively abandoning standard solutions. And technology will change expectations of the mental health workforce and the way that it is educated and trained.

## TPM news

Hosted by EFCC Estonian Fieldbus Competency Centre OÜ, the second Transnational Partner Meeting took place in Tallinn, Estonia, the 21st of November 2022.

The event was organised as a hybrid meeting with 8 of the partners being physically present in Tallinn and 1 joining virtually through the Zoom platform.

During the meeting, the targets of the project were discussed, pointing out the parts already developed and the parts on which the individual partners will have to work in the coming months.

A visit to the old part of Tallinn and an informal dinner at a local restaurant were also part of the agenda.





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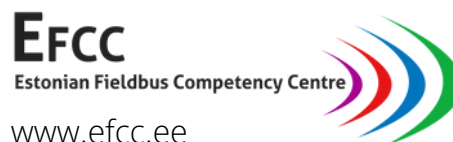
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