



Co-funded by the
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ISM2. Computerization/Digitalisation of Medical Records & eHealth Services — 5 ECTS

Module description & aims

Explores adoption and optimization of EMR/EHR and related health information technologies. Focuses on selecting the right tools and workflows to improve quality, safety and value rather than technology for its own sake.

Module contents

- Added value of electronic health services; communication & information systems
- Electronic health and medical records; patient information systems
- Health/medical informatics concepts; telemedicine and m-health overview
- Static and dynamic graphical models; signals; basics of linear dynamical systems

Expected learning outcomes

Upon completion, participants can:

- Explain how eHealth supports patient safety and care quality
- Differentiate eHealth record types and related services
- Evaluate applicability and cost-effectiveness of new services
- Recognize limitations of e-services and digital vs. analogue processes

Teaching & assessment

Short quiz

Applied EMR/EHR task

Active Participation min. 70%

Brief reflection on workflow redesign