



Co-funded by the
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ISM1. Basics of eHealth: Information, Informatics, Communication & Technologies — 5 ECTS

Module description & aims

Introduces how electronic data from public health, medical and biomedical sources is structured, coded, validated and used across clinical and population settings. Provides an overview of biomedical technologies and the interface between clinical investigation and engineering.

Module contents

- Health information principles and structures of health data
- Integration of objective/subjective data; validation within hospital information systems
- Standardization and coding (e.g., ICD) and international disease classifications
- Overview of biomedical technology; links between physiology, clinical methods and engineering

Expected learning outcomes

Upon completion, participants can:

- Describe the eHealth sector and its roles at individual, organizational and societal levels
- Use health information from public health, medical and biomedical perspectives
- Assess applicability and cost-effectiveness of eHealth services
- Explain medical coding and international classification systems
- Outline how dysfunction of major organ systems is investigated and documented

Teaching, Learning & Assessment

Delivery methods include interactive lectures, seminars, guided literature analysis, group work, case discussions, videos and quizzes. Assessment typically combines short quizzes, applied tasks, participation, and a short project or reflection aligned with each module's aims. In more details: