

SUSA Learning Objectives (LOs) V1

Area	Topic	Learning objectives After the course, the student will be able to...
Data	Data sharing	LO1. Explain the principles of European Health Data Spaces LO2. Recognize data flows in healthcare system LO3. Comply with data regulation and European values, such as GDPR, FAIR
	Data analytics	LO4. Examine the role of data and data quality in trustworthiness of AI and analytics LO5. Perform descriptive statistics, create and select visualisations
AI	Ethics of AI	LO6. Discuss ethical aspects in adoption of AI in decision making LO7. Indicate regulation related to adoption and use of AI in health
	Basics of AI	LO8. Explain what AI is and what it is not LO9. Categorize different branches of AI, e.g. computer vision, logical reasoning, natural language processing, machine learning, deep learning LO10. Explain basic machine learning: supervised learning, unsupervised learning, federated learning and reinforcement learning
Health ICT	Medical IoT	LO11. Investigate the potential of medical IoT (e.g. sensors, wearables, cloud storage, wireless networking) in care
	Infrastructures	LO12. Examine the elements of modern digital enterprise architectures in healthcare (e.g. EHR) LO13. Describe interoperability issues of health infrastructures, the role of standards
Sustainability		LO14. Examine sustainability, eco-responsibility and scalability elements of data sharing and infostructures
Cybersecurity		LO15. Distinguish security and privacy challenges in health context LO16. Discuss privacy and security design approaches
Regulation		LO17. Identify relevant regulative frameworks in Europe and globally
Global health		LO18. Apply accessibility guidelines in health applications LO19. Discuss the role of digital health data in global health, such as pandemic response, supporting mobility and achieving equity. LO20. Analyse impact of digital health, for example, on sustainability

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