



AI4HEALTH.CRO

SUMMER SCHOOL



Sufinancira
Europska unija



European
Digital Innovation
Hubs Network



REPUBLIKA HRVATSKA
Ministarstvo
gospodarstva

Projekt sufinancira Europska unija iz programa Digitalna Europa (DIGITAL)

WORKSHOP TITLE	WORKSHOP PROVIDER	DATE	TIME	LOCATION /HYBRID/ONLIN	WORKSHOP SUMMARY
Introduction to Data Science for Clinicians	RBI	16.6.2026	10:00-12:00h	ZICER - Hibridno	This course covers basics of data science and introduces concepts required in courses 2-5, emphasizing the role of multidisciplinary and efficient communication between experts in different domains. Topic covered are research problem definition, data acquisition, exploration, modelling, visualization, while focusing on real-life clinical examples and privacy and their ethical implications.
Introduction to Machine Learning and Deep Learning	RBI	17.6.2026	9:00-11:00h	IRB - Hibridno	In this workshop we will give an introduction to Machine Learning (ML) and Deep Learning (DL) for healthcare practitioners. We will give an overview of basic as well as state of the art ML and DL methods applicable to different types of data such as text, tables, time series, and imaging data. Stressing the importance of explain ability, uncertainty in predictions, evaluation of ML and DL methods within the context of clinical practice. Discussing future trends to encourage conversation about potential benefits in applying ML and DL systems in healthcare. Complemented by hands-on problem-solving.
Evaluation of Machine Learning Models in Medicine	RBI	17.6.2026	11:30-13:30h	IRB - Hibridno	This course addresses the critical process of assessing the performance and reliability of ML models for application in medicine. It provides an overview of evaluation metrics, their advantages and disadvantages, showing that no single metric can capture all relevant characteristics of ML models. Highlights the importance of combining different evaluation metrics and selecting the appropriate ones for specific cases. The course also deals with the importance of data quality and data manipulation approaches in order to achieve reliable and comprehensive evaluation of ML models. For successful application of AI systems in healthcare each phase of AI integration must be thoroughly evaluated. This course covers ML model development phase, while clinical study evaluation and implementation evaluation are not covered.

Trustworthy AI for Medical Applications	RBI	17.6.2026	14:00-16:00h	Online	<p>This education provides an overview of the key aspects of trustworthy AI in medical contexts. Artificial intelligence systems have known drawbacks, such as risk of bias, lack of interpretability, and decision-making based on spurious correlations. Healthcare is a high stakes domain where errors are not tolerated or extremely costly, therefore AI system applications in healthcare must be trustworthy. Considering only AI systems that are reliable, transparent, and aligned with ethical principles is essential to foster acceptance among healthcare professionals, patients, and regulatory bodies. Main topics of the presentations and hands-on materials are directed towards reliability, transparency, privacy, fairness, accountability, and robustness of AI systems in healthcare, emphasizing the importance of developing reliable AI systems and their responsible use.</p>
Bioinformatics for Translational Medicine	RBI	18.6.2026	9:00-11:00h	ZICER - Hibridno	<p>This course offers an introduction to bioinformatics for translational medicine, applying the latest bioinformatics discoveries to address unmet healthcare needs. Topics covered will be introduction to genomics, high-throughput 'omics data analysis, precision medicine, predictive modelling and risk assessment, drug discovery and clinical trial design analysis and translational research platforms. Hands-on sessions will utilize advanced bioinformatics tools and case studies for deeper insight into the dynamic field of translational medicine.</p>

<p>How (not) to use Language Models in Medicine</p>	<p>RBI</p>	<p>18.6.2026</p>	<p>13:00-15:00h</p>	<p>ZICER - Hibridno</p>	<p>This course is a basic introduction to LLMs and their use. The course includes a theoretical introduction and a practical, interactive demonstration of the use of LLMs for specific medical tasks. Large language models are a new and powerful AI technology that enables wide application for a range of tasks related to transformations and text generation. The course aims to provide a basic (intuitive) insight into the architecture of large language models, their training and operation, as well as evaluation and validation in context of specific tasks. The course provides overview of possible applications of technology in medicine, problems related to LLMs operation, as well as regulatory aspects of their use in practice. The second part of the course includes practical, interactive demonstrations of the use of a specialized large language model, in a local environment, on applications related to different medical tasks.</p>
<p>Introduction to IT solutions of hospital healthcare institutions in the Republic of Croatia – challenges for building and delivering new values</p>	<p>IN2</p>	<p>19.6.2026</p>	<p>9:00- 12:00h</p>	<p>ZICER - Hibridno</p>	<p>Croatia has one of the most developed eHealth systems among EU countries, which within one digital network reaches from primary healthcare through secondary to tertiary/specialized institutions. This national platform has been developed and delivered on the same architecture for the last 20+ years, overcoming various challenges. The complexity of processes and data in hand has increased over time, moving from primary health all the way to subspecialty care, to become a difficult task in hospitals. This course will show that journey through the story of Croatian hospitals and the implementation of hospital information systems as well as elements of eHealth platform related to hospitals. Every healthcare IT stakeholder in Croatia should be aware of these findings before getting involved in future healthcare IT projects.</p>

Introduction to high-performance computing (HPC)	RBI	23.6.2026	9:00-11:00h	Online	This course aims to introduce the main concepts, definition, uses and benefits of High-Performance Computing (HPC). In particular, the course will demonstrate the basic use of HPC, supported by some real-world use cases. It will also give an up-to-date overview of the main national and international computing resources (HPC/supercomputers) and present models on how to apply for the use of these resources. The main mechanisms for remote access to resources will be demonstrated.
How to access advanced computing infrastructure in Europe	RBI	23.6.2026	13:00-15:00h	Online	This course will provide an overview of the EuroHPC JU organisation and the supercomputer and AI facilities available to European industry, academia, and the public sector. During the course, attendees will have the opportunity to explore open calls and gain insight into the application process for accessing AI and HPC resources across Europe.
Introduction to AI in Healthcare	RBI	24.6.2026	9:00-11:00h	ZICER - Hibridno	<p>Exploring the fundamental concepts of AI and its role in supporting medical staff and healthcare practitioners. Investigate real-world case studies that showcase successful AI implementations. Foster discussions around data and its potential to alleviate administrative burdens, enhance patient care, drive advancements in scientific research and reduce waiting lists. Following general topics in AI in healthcare:</p> <ul style="list-style-type: none"> • AI's role & impact in healthcare • Machine Learning breakthroughs • Supervised, unsupervised and reinforcement learning • Federated data, safety • Understanding causality in medical data • Ensuring explain ability (paradigm: user, doctor, developer) • Industry interests in AI and healthcare • Tangible benefits of AI in diagnostics & treatment • Exploring future trends • Examples and use cases: solving healthcare challenges with AI

<p>The Central Health Information System of the Republic of Croatia (CEZIH) with an emphasis on data that is exchanged and available for analytical processing</p>	<p>ENT</p>	<p>24.6.2026</p>	<p>13:00-15:00h</p>	<p>Online</p>	<p>CEZIH is a complex information system which implements selected functionalities on national level (like Patient portal, Electronic healthcare record (EHR) and National prevention programmes) and being platform for the integration of different point of care applications (supporting processes like medication prescribing and dispensing, electronic referrals – specialistic findings/discharge letters, different kind of reporting etc) hundreds of millions of messages with medical data and medical documents are exchanged yearly through CEZIH. Through this education, participants will get to know the Central health information system of the Republic of Croatia (CEZIH). They will become familiar with the basic business architecture and the most important components of CEZIH, as well as the data that is exchanged and available for analytical processing.</p>
<p>Business development</p>	<p>ZICER</p>	<p>25.6.2026</p>	<p>14:30-15:30h</p>	<p>Online</p>	<p>Business development education focuses on equipping participants with the skills to identify growth opportunities, build strategic partnerships, and enhance competitive advantage. The education covers practical experiences and case studies to provide real-world applications and actionable insights.</p>
<p>Marketing strategy</p>	<p>ZICER</p>	<p>26.6.2026</p>	<p>10:30-12:00h</p>	<p>Online</p>	<p>Education equips SMEs with essential skills to effectively reach and engage their target audiences. The curriculum includes digital marketing, branding, market analysis, and strategic planning. The education enable participants to optimize their marketing efforts and drive sustainable growth.</p>
<p>Digital Marketing (PR)</p>	<p>ZICER</p>	<p>26.6.2026</p>	<p>13:00-15:00h</p>	<p>ZICER - Hibridno</p>	<p>Digital marketing education provides participants with practical tools and strategies for enhancing online visibility and strengthening brand communication. The training covers key components of modern digital presence, including:</p> <ul style="list-style-type: none"> - content creation aligned with brand values, - social media management and platform selection, - messaging frameworks for clear and consistent communication, - public relations fundamentals and media positioning, - storytelling principles for building trust and authority.

					<p>Through practical examples, case studies, and hands-on exercises, participants learn how to craft compelling brand stories, communicate effectively with target audiences, and establish a consistent and professional online presence that supports long-term business growth.</p> <p>Benefit: Participants gain a clear understanding of how to build and communicate a strong digital brand, enabling them to increase visibility, improve audience engagement, and establish a trustworthy online presence.</p>
Psychology of Sales	ZICER	29.6.2026	10:00-11:30h	ZICER - Hibridno	<p>This training explores the psychological principles that influence customer behaviour and buying decisions, offering participants concrete techniques to improve their sales performance. Key topics include:</p> <ul style="list-style-type: none"> - understanding customer motivation and decision-making patterns, - recognizing emotional and cognitive triggers, - building trust and rapport through communication, - identifying purchase barriers and addressing objections, - aligning product value with customer needs without pressure-based tactics. <p>Participants will apply these principles through real examples and short interactive exercises. By the end of the session, they will understand how to adapt their sales approach to different buyer profiles, increase conversion, and build long-term, trust-based client relationships.</p> <p>Benefit: Participants learn how to use psychological insights to improve sales communication, increase customer trust, and create a more effective and ethical sales process.</p>
Business Model Canvas				ZICER - Hibridno	<p>Business Model Canvas training provides participants with a structured and visually clear method for defining and analyzing their business model. The session covers each of the nine Canvas building blocks in detail, including:</p> <ul style="list-style-type: none"> - value proposition, - customer segments and relationships, - distribution channels,

	ZICER	29.6.2026	13:00-15:00h		<ul style="list-style-type: none"> - key resources, activities, and partners, - cost structure and revenue streams. <p>Participants will work through examples of successful business models and complete guided exercises to map out their own Canvas. The training emphasizes practical application, enabling entrepreneurs to identify opportunities for improvement, recognize strategic gaps, and refine their overall business direction. By the end of the session, participants will be equipped to use the Canvas as a planning, communication, and decision-making tool.</p> <p>Benefit: Participants gain a clear and practical overview of their entire business model, enabling them to make more informed strategic decisions and identify concrete opportunities for growth.</p>
Storytelling for Entrepreneurs	ZICER	30.6.2026	10:00-11:30h	ZICER - Hibridno	<p>This training introduces entrepreneurs to practical storytelling techniques that strengthen brand identity, improve communication, and support business growth. The session covers core storytelling principles and their application in business contexts, including:</p> <ul style="list-style-type: none"> - crafting a clear and compelling brand story, - developing a personal founder story that builds trust and credibility, - creating micro-stories for social media and digital communication, - using narrative structure for pitching in investor or competition settings, - applying storytelling techniques in sales conversations and customer communication. <p>Through real examples and guided exercises, participants learn how to articulate their message with clarity, connect emotionally with their audience, and present their business in a way that is memorable and impactful.</p> <p>Benefit: Participants gain the skills to communicate their brand and ideas more effectively, leading to stronger audience engagement, improved visibility, and enhanced confidence in presenting their business across</p>

					various formats.
Sources of financing of the start-up projects through their development stages	FGCP	30.6.2026	13:00-15:00h	Online	The course will give an overview into the financial mechanisms to fund start-up projects through different stages of their development. Types of investors such as business angels, venture funds, private equity funds, and stock markets will be explained. Investment stages through pre-seed, seed, Series A,B,C to the IPO will be elaborated.
Procurement for Innovation	MZ	1.7.2026	9:00-10:30	Online	Public procurement of innovation offers contracting authorities a unique opportunity to establish closer connections with the market and develop highly tailored services that are perfectly aligned with their needs. The training is designed for staff members working in public procurement departments, professionals engaged in the management of EU-funded projects, as well as start-ups and SMEs as market representatives. As a relatively new concept in public procurement - at least in the Croatian context - this training will present several case studies, including examples of good practice from other (mostly European) countries, as well as two Croatian cases. Participants will gain an understanding of what public procurement of innovative solutions involves, how it differs from traditional procurement, and what the process and its steps look like in practice. By the end of the training, they will be prepared to take part in innovation-oriented procurement processes that support the growth of small and medium-sized enterprises and start-ups, drive technological advancement, and enable a more effective response to public needs.

Project Management	MZ	1.7.2026	11:00-12:30h	Online	Through practical examples and interactive workshops, participants will learn key techniques for planning, organizing, and controlling project implementation. Special emphasis is placed on administrative and financial project management, reporting, risk management, team communication, and the use of tools for tracking progress. Upon completion of the training, participants will be equipped to effectively manage projects and achieve goals within set deadlines and budgets.
How to generate evidence to support the use of AI-based applications in clinical practice?	MEFST	1.7.2026	13:00-14:00h	Online	The lecture outlines key processes for evaluating the clinical evidence needed for the utilization of artificial intelligence and machine learning-based software as a medical device (AI-SaMD) in clinical practice. It introduces fundamental concepts of evidence strength in medicine and emphasizes the importance of addressing bias as a key prerequisite for ensuring the robustness of evidence. The lecture also covers the evidence generation requirements for AI-SaMD procurement to ensure that safety, performance within the clinical context, and clinical impact related to intended use are clearly demonstrated. Cervical cancer screening is used as a practical example to illustrate these principles in real-world settings. The lecture is intended for individuals involved in the development of these products, healthcare workers participating in procurement, regulators, and those involved in shaping healthcare policies.
AI based speech-to-text system in healthcare	NTA	2.7.2026	10:00-11:00h	Online	During this webinar, participants will learn about the workings of AI based speech-to-text system. The webinar will focus on real use cases, allowing participants to not only understand the technical details but also to explore the challenges of medical documentation in the healthcare sector and how these can be addressed with speech-to-text system implemented in Croatian hospitals. Additionally, the webinar will cover strategies for acquiring and retaining clients in the healthcare industry, as well as providing technical support. Following the webinar, there will be a workshop where participants will have the opportunity to see the speech-to-text system in action and test all its features.

How to find and retain clients in the healthcare sector?	NTA	2.7.2026	12:00-13:00h	Online	During this webinar, participants will explore key strategies for attracting and retaining clients in healthcare, with a focus on how technology can improve client relationships and satisfaction. Key topics will include: understanding healthcare clients' needs, the role of AI-based solutions, like speech-to-text systems, in improving healthcare workflows and client satisfaction (using real-world examples), building trust and credibility in the healthcare sector, customer-centric approach. After the webinar, participants will take part in a hands-on workshop where they can see how AI based speech-to-text can be applied in healthcare settings and improve efficiency and client experience.
e-Health Cybersecurity and Asset Protection for Start-ups	MIZ	3.7.2026	9:00-11:00h	Online	This course / webinar aims to provide basics of cybersecurity and asset protection for start-ups working in health, medicine, life science or pharma domains. Security vulnerabilities, threats and risks exist in digital solutions using various technologies, from web and mobile to Internet of Things and Artificial Intelligence, and they should be managed in order to establish proper protection and maintain resilience.
Croatian Health Data Center services	HZJZ	6.7.2026	10:00-11:00h	Online	Considering the upcoming regulations on the European union's health data space (Ehds), Croatia will also establish a body for data access. the Croatian health data center will provide services such as: a health data metacatalog, a data access form, work in a secure environment for sensitive data, and others. the goal of the workshop is to familiarize participants with these services.
The National Public Health Information System	HZJZ	6.7.2026	12:00-13:00h	Online	The National Public Health Information System is an organized system of information services of the Croatian Institute of Public Health, shared with the Institute's cooperating institutions. The system enables management of public health information and processes for recording, receiving, using and archiving health data.

