

# Workshop on Artificial Intelligence awareness for threat detection and epidemic intelligence

2-3 October 2024

## Background

The Regulation (EU) 2022/2370 amending the ECDC founding regulation establishes that ECDC should perform threat detection and surveillance, including development of digital platforms and applications and the use of digital technologies such as artificial intelligence (AI) for data collection and analysis.

Moreover, article 14 of the Regulation (EU) 2022/2371 on serious cross-border threats to health defines the need of ensuring the "continued development of the digital platform for surveillance", including the application of "artificial intelligence for data validation, analysis and automated reporting, including statistical reporting".

In 2023, ECDC organised a workshop to finalise the Delphi consultation on the AI core principles of relevance for threat detection and epidemic intelligence. During this meeting, the need of capacity building, including awareness workshop on this topic was deemed necessary. Furthermore, in the 2024 Epidemic Intelligence network meeting, a co-creation exercise was performed with the participants to tailor an AI awareness workshop according to the needs of the participants.

ECDC is organising a workshop on AI awareness for threat detection and epidemic intelligence that will be held at the **ECDC premises in Stockholm, 24-25 April 2024**. The workshop will be held in-person, and online participation will be possible for the speakers presenting the AI use cases.

## Scope and purpose

The main objective of this workshop is to increase awareness and understanding of the opportunities AI brings to threat detection and epidemic intelligence.

The specific objectives are:

- Increasing understanding of various AI techniques, including but not limited to generative AI, and how they relate to one another.
- Identifying common challenges in epidemic intelligence and mapping potential AI solutions to address them.
- Getting hands-on experience on the process of implementing AI for threat detection and epidemic intelligence, including key considerations around responsible AI and the European Union AI Act.
- Getting hands-on experience in using generative AI tools and prompt engineering.
- Sharing some experiences across Member States on the use of AI within the organization.

## Participants

The participants of this workshop will be Operational Contact Points for Epidemic Intelligence, and other key stakeholders, with no- or limited experience on implementing AI for threat detection and epidemic intelligence.

# Agenda

## 2 October 2024

08:15 – 08:45	Registration
08:45 – 09:15	Opening remarks, objectives and practicalities
09:15 – 09:45	The Artificial Intelligence (AI) journey: How technology has evolved over the past decade
09:45 – 10:15	Introduction and key concepts of AI (part I)
10:15 – 10:45	<i>Coffee break</i>
10:45 – 11:15	Introduction and key concepts of AI (part II)
11:15 – 11:20	Introduction to the breakout exercise 1
11:20 – 12:45	[Breakout exercise 1] Identifying and prioritising challenges in epidemic intelligence (EI) processes
12:45 – 13:45	<i>Lunch break</i>
13:45 – 14:15	Plenary discussions on challenges in EI processes
14:15 – 15:15	Existing AI use cases, demos and prototypes relevant for threat detection
15:15 – 15:45	<i>Coffee break</i>
15:45 – 16:00	Introduction and key concepts of generative AI
16:00 – 16:05	Introduction to the hands-on exercise
16:05 – 16:45	[Hands-on exercise] How to get the most out of large language models?
16:45 – 17:15	Recap of day 1 and expectations for day 2
19:00	<i>Networking dinner</i>

## 3 October 2024

08:30 – 09:00	Registration
09:00 – 09:30	Opening remarks for day 2
09:30 – 10:00	Areas of applicability and AI solutions
10:00 – 10:05	Introduction to the breakout exercise 2
10:05 – 11:00	[Breakout exercise 2] How AI can address prioritised challenges in EI processes?
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:00	How to get started with AI in your organisation?
12:00 – 12:30	Zoom on responsible AI and the EU AI Act
12:30 – 13:30	<i>Lunch break</i>
13:30 – 13:35	Introduction to breakout exercise 3
13:35 – 15:15	[Breakout exercise 3] Deep dive on AI solutions and how to implement them
15:45 – 16:30	Plenary discussions on selected AI solutions
16:30 – 17:00	Recap and closing of the workshop