



***From data to decisions:  
WHO Training on Prompt Engineering, Data  
Visualization, and Knowledge Translation  
7 – 10 December 2026, Brussels, Belgium***

**22 September 2026**

## **Scope and purpose**

### **Background**

The Second European Programme of Work 2026–2030 (EPW2) emphasizes the critical role of data, digital technologies and artificial intelligence (AI) in delivering better care and building stronger, more resilient health systems across the WHO European Region. High-quality, timely and well-used health data are essential to evidence-informed policymaking, effective health system performance and improved population health outcomes. Member States have consistently highlighted the need to strengthen national or equivalent capacities not only in data collection and analysis, but also in data visualization, communication, and the responsible use of emerging digital and AI-enabled tools.

In response to consultations with Member States on their data visualization and AI needs, the WHO Regional Office for Europe is organizing a Training for EU Member States on Prompt Engineering, Data Visualization, and Knowledge Translation, which will take place from 7–10 December 2026 in Brussels, Belgium. This training is made possible through the generous support of the EU and the project 'Supporting the WHO European Region in Strengthening Health Information Systems and Boosting Health Data Governance', whose objectives include building capacity across the WHO European Region. This training builds on previous regional capacity-building efforts and represents the eighth cohort of a programme that has now become a regular feature of the Regional Office's work on strengthening data use, knowledge translation and the ethical application of AI in health systems.

The overall aim of the training is to strengthen participants' practical skills across three connected areas: AI prompt engineering to enable the safe, effective and ethical use of LLMs within health systems; data visualization and storytelling as the foundation for effective dashboard development, increasing the uptake and use of health data for policymaking; and knowledge translation, to support participants in communicating data products clearly to decision-makers. Reflecting feedback from EU Member States, particular emphasis is placed on data visualization principles, which remain broadly relevant regardless of the specific software used, while Microsoft Power BI is introduced as one practical tool for implementation. The training will support participants in translating complex health data into clear, actionable insights that can inform decision-making at national, subnational and equivalent levels.

### **Target audiences**

The training is intended for health information analysts and related professionals from EU Member States within the WHO European Region, nominated by ministries of health through designated national Health Information Network (HIN) focal points. Participants are expected to

be actively involved in the routine collection, analysis, interpretation or communication of health data, for example within ministries of health, public health institutes, or national or equivalent statistical offices.

### **Training approach and envisioned outcomes**

The training will combine structured lectures, hands-on exercises and peer exchange across four days, sequenced to build directly on each preceding step. Participants will begin with prompt engineering fundamentals, then work through indicator selection — including how to avoid the "spotlight effect," where indicators are chosen because they are easy to measure rather than because they meaningfully reflect the health situation — and data cleaning supported by AI. Data visualization will be introduced not as an isolated skill but as one component of a broader product: participants will learn that a chart, like a dashboard, is simply one building block that could equally support a report, a slide deck or a narrative, and will apply a "who, what, when, why, how" framework to define the audience and purpose of a data product before building it. Power BI sessions will build on a pre-developed file that participants edit and refine, paired with a session on colour and composition principles, so that development time is spent on judgement and design rather than on starting from a blank canvas. Throughout, rather than being confined to a single module, AI will be integrated into the workflow itself, supporting Power BI-specific tasks and, through structured prompts, helping participants clean data, suggest relevant indicators and generate visualization options.

Because participants' technical skill levels and the readiness of their own data will vary considerably, practical exercises will rely primarily on backup or shared datasets accompanied by structured AI prompts, with participants who have suitably prepared project data of their own invited to use it instead. Participants will also critique real examples of charts they consider effective or ineffective as a peer-learning exercise, revisiting their initial judgements once the underlying principles have been introduced. The training concludes with a dedicated knowledge translation component, threaded throughout by the responsible facilitator and culminating in a mock presentation of participants' own dashboards or reports to a simulated decision-maker, such as a Minister of Health. By the end of the training, participants are expected to have strengthened their capacity to select meaningful indicators, apply data visualization principles and storytelling, build and refine dashboards in Power BI, and translate their data products into a form that can inform and persuade decision-makers — while responsibly leveraging AI tools throughout their own health systems.

### **Practicalities**

The training is a four-day (Monday-Thursday), in-person training. Working language will be in English. The location of the training is in Brussels, Belgium (exact venue to be confirmed). Travel and accommodation for the participants will be organized by WHO and covered from the project budget. Coffee breaks and lunch will be provided each day.

Participants will receive an information circular as well as a detailed training programme in advance of the event.