

OPTIMA at a glance – Revolutionising oncology



Overview

The OPTIMA project is a multi-stakeholder-led consortium with the vision of providing access to cutting-edge **personalised treatments** and innovative therapies for patients with lung, breast and prostate cancer.

The primary objective is to design and deliver an interoperable, GDPR-compliant European real-world **oncology data platform**, tailored to the needs of clinicians and patients to enhance shared decision-making.

Objectives

Real-world Data Integration: Gather and harmonise large-scale structured and unstructured real-world datasets, combining information from diverse sources.

AI-guided Decision Support: Develop a secure, sustainable platform incorporating AI-driven decision support tools aligned with the latest clinical practice guidelines.

Guideline Prioritisation: Focus on prostate, breast, and lung cancer to create a scalable and regularly updated guideline decision-support tool.

Advanced Analytics and AI Models: Utilise AI and advanced analytics to generate new knowledge and insights for better cancer care.

Impact

Improved patient outcomes through tailored treatments and novel therapies.

Enhanced clinical decision-making based on robust evidence and guideline adherence.

In-depth **understanding of cancer** outcomes and patient well-being via advanced analytics.

Establishment of rigorous **data protection** measures for patients' personal data.

Key Components

AI-guided Decision Support Tool: A sophisticated tool aiding clinicians in making evidence-based decisions using up-to-date guidelines and patient-specific data.

Data Integration and Harmonisation: Robust processes to collate and standardise real-world datasets from multiple sources, ensuring data integrity and reliability.

Ethical and Legal Compliance: Adherence to all legal and ethical standards concerning patient data privacy and research conduct.

OPTIMA Overview – Setting new standards in Cancer Research

Collaboration

The OPTIMA project fosters collaboration among medical professionals, researchers, patients and patient advocates, technology experts and the pharmaceutical industry.

An **inclusive** and **sustainable** approach underpins the consortium's efforts to drive impactful research outcomes.



Implementation

The OPTIMA platform will be deployed in clinical settings, **providing real-world support** to clinicians and patients.

Continuous evaluation and optimisation will ensure platform efficacy and technical robustness.

Data Privacy

Patient data confidentiality and privacy will be rigorously maintained, adhering to **stringent data protection** rules and regulations.

Conclusion

The OPTIMA project is a collaborative endeavour poised to **revolutionise cancer care** through advanced data-driven approaches and **AI-guided decision support**.

By integrating **real-world data**, prioritising guideline adherence, and leveraging cutting-edge technologies, the project aims to significantly impact **personalised cancer treatments** and **shared decision-making**, ultimately leading to improved patient outcomes and well-being.