synthia

Synthetic Data Generation framework
for integrated validation of use cases
and AI healthcare applications

39 Public-Private Partners
28 beneficiaries, 5 affiliated entities and
6 associated partners, including
4 pharma and 2 medtech companies

Funded by IHI
Budget 22.4M€

Start Sept 2024
End Aug 2029

6 Use Cases
Two solid tumors: Lung cancer & Breast cancer
Two blood cancers: Multiple myeloma & Diffuse large B-cell lymphoma
Alzheimer's disease & Type 2 diabetes.

innovative health initiative
Co-funded by the European Union
COCIR
efpia
EuropaBio
MedTech Europe from diagnosis to cure
Vaccines Europe
DNV
UK Research and Innovation

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Synthetic Data Platform

A trusted, scalable foundation for synthetic data adoption, accelerating research, enabling personalized medicine and strengthening Europe's health data ecosystem.

- Federated, privacy-preserving environment
- Synthetic data generation and model fine-tuning without moving sensitive data
- Aligned with the European Health Data Space (EHDS)

Read more at our website

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The Alzheimer's Disease use case

SYNTHIA investigates how synthetic data can improve predictive models for diagnosis, support external control arms for clinical trials, and augment imaging data for brain-age modelling, enabling earlier and more precise interventions while protecting patient privacy.

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Our mission is to leverage synthetic data to propel personalized medicine to new heights.

We will tackle the critical need for privacy-preserving data solutions in healthcare by developing validated tools and methods for SDG across various data types, including laboratory results, clinical notes, genomics, imaging, and mobile health data.

To build a truly impactful synthetic data ecosystem, we need *all voices at the table*.

Looking forward to connect with you