

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

A unified platform for high-quality Synthetic Data: Advancing Personalized Medicine for all stakeholders.

Key Offerings

Access to tools and methods for **Synthetic Data Generation (SDG)**, validated in a set of clinical use cases.

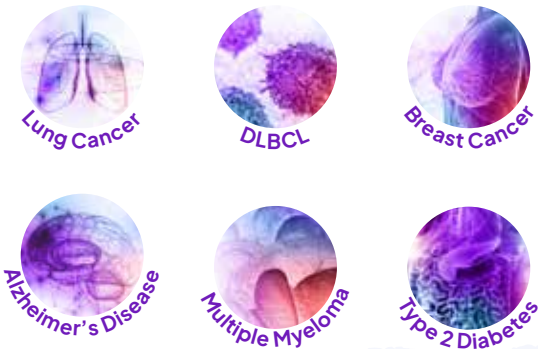
Access to **predefined, clinical-grade Synthetic Data (SD) collections** for a set of clinical use cases.

For **various data types**, including laboratory results, clinical notes, genomics, imaging, and mobile health data.

For **unimodal, multimodal and longitudinal** datasets.

With a framework for SD evaluation, **ensuring privacy, quality and bias mitigation.**

Clinical Use Cases



Targeted SD Applications

Privacy preserved datasets for sharing

Augmented datasets for AI.

Corrected imbalance in AI training datasets.

Extended and generalized validation cohorts for AI.

Development and testing of **Virtual Twins**.

Synthetic control arm for Clinical Trials.

Applicability limit analysis for regulatory and other uses.

Hypothetical scenario analysis.

And others ...

SYNTHIA

A multidisciplinary collaboration of

39 Partners from 16 countries, including 4 pharma and 2 MedTech companies

Budget **22.4M€**

Launched Sept 2024
Duration **60 months**

Stakeholders



SYNTHIA: Synthetic Data Generation framework for integrated validation of use cases and AI healthcare applications. This project is funded by the Innovative Health Initiative Joint Undertaking (IHI JU) under grant agreement No 101172872. IHI JU receives support from the European Union's Horizon Europe research and innovation programme, COCIR, EFPIA, EuropaBio, MedTech Europe, Vaccines Europe and DNV. The UK consortium partner, The National Institute for Health and Care Excellence (NICE) is supported by UKRI Grant 10132181.

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