

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



















Medical



Institutions

Targeted Healthcare Stakeholders

Legal Experts	SDG developers
Socio-Economic Analysts	FAIR Data Experts
Regulatory	Clinical Researchers
Policy Advocacy	Developers of Therapies and Data-Based Tools
Communication Experts	

SYNTHIA

A multidisciplinary collaboration of



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





Launched Sept 2024 Duration 60 months

Targeted SD Applications

Privacy preserved datasets for sharing **Augmented** datasets for Al.

Corrected imbalance in Al training datasets.

Extended and generalized validation cohorts for Al.

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...

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