

# Accelerating Research and Empowering Data-driven Healthcare. Without borders.

**Brief Product Overview** 

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Longenesis brings an end-to-end, intuitive toolkit for Data Discovery and Patient-Centric Engagement while being <u>Privacy-Centered</u> and <u>Ethics-by-Design</u> at heart.

Our platform enables efficient participant identification and engagement for clinical studies. Study sponsors can compliantly browse in real-time through more than 1 million patients' records from over 30 participating clinics, patient advocacy groups, and biobanks, resulting in a 70% reduction in time and cost.

Additionally, our companion solution drives dynamic consent management and instant, on-demand participant engagement for the collection of clinical, real-world evidence and quality of life measures, thus, offering seamless participant management in the preparation of clinical studies.



- Curator: privacy-preserving Data Discovery and Patient Identification in real-time.
- **Engage:** from treatment to research an ecosystem for launching dynamic patient-centric engagement mechanisms.
- **Themis:** end-to-end dynamic consent management tool. A privacy-by-design approach for patient-centric enrolment into research activities.

#### About Longenesis

- **Projects in 10** disease domains
- 300 000+ patients empowered with our solutions
   worldwide
- Governmental and EU-level projects in genomics, rare diseases, COVID-19, oncology
- Public health platforms for engagement of broader population in screening, prevention, and research activities
- Award-winning solutions (incl. FAIR Health Data Challenge winners, by Sitra Finnish govt organization)













## Real-time, privacy-preserving biomedical data discovery and patient identification ecosystem

Curator is a real-time, privacy-preserving biomedical data discovery and patient identification ecosystem.

**Following the "Data Stays Local" principle** – *Curator* provides an opportunity for clinical investigators, biobanks, laboratories, registries, and other institutions to **showcase the scope of data/patient reach** that could be used/engaged in research, **without compromising the privacy** of patients and data protection regulations.



#### 3 Step process to start patient identification:

**Step 1**: Data publishers **upload their anonymized metadata** into *Curator*, leaving actual datasets within the institution (a table-view export (.csv, .xls, .xml, .xlsx, .json, etc.)). Onboarding is rapid, with no data ingestion or background capturing happening.

*On the background: Curator* orchestrates the uploaded meta-data files of any depth of information provided and transforms these into visual and queryable elements.

**Step 2**: Sponsors **search for patient profiles** by different combinations of descriptive characteristics without revealing personal data from multiple sites all over the world.

**Step 3**: Study sponsors can **send direct collaboration requests** to biomedical institutions in one click. New international collaborations, retrospective and prospective **research projects can begin** and support the activities that explore disease insights, new treatment strategies, etc.

#### *Curator* in numbers: 30+ institutions, 14+ disease domains, 1M+ patients' network.

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Curator operates with anonymized statistical patient information without PHI, uploaded directly by sites themselves.

- the actual clinical data always stays local;
- no PHI is accessed;
- no EMR integrations are performed;





**ENGAGE** patient-centric engagement

Our engagement solution *Engage* serves as a digital bridge, connecting researchers, clinicians with patients, as well as broader population to generate RWD and act based upon it

#### Patient-centricity by design

- Creates rapid participant engagement experience at the clinical site level.
- Allows dynamic consent management, pre-screening, and RWD generation.
- Enriches *Curator* with anonymized metadata

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### THEMIS Ethics-by-design Dynamic Electronic Consent Management with Themis

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Empowering patients with proactive control over the data use and engagement

- A real-time instrument for consent audit for clinical researchers
- Empowering patients with a right to decide where, how and why the data will be used
- API ready instrument to be integrated in any interface

#### Engage and Themis in numbers:

14 countries, 2 governments, 300 000+ patients empowered, 1.5M+ consent transactions.