### SOPHIA GENETICS"

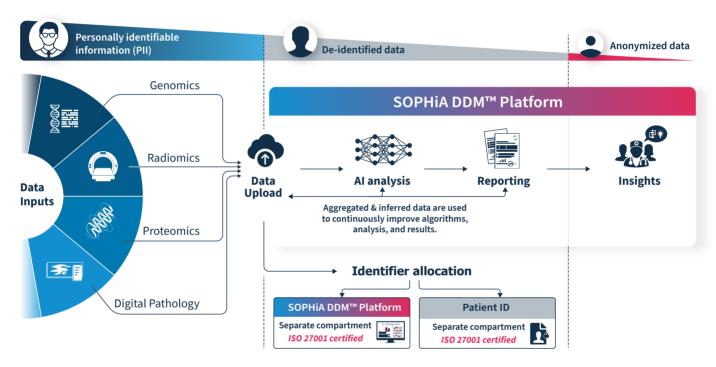
# Personally identifiable information in the SOPHiA DDM™ Platform

A cloud-native platform with data protection at its core



### From personally identifiable information to Insights

From the start, the platform has been designed with data protection in mind. The data is uploaded and instantly de-identified in the SOPHiA DDM™ Platform allowing users to securely analyse their data. With the SOPHiA GENETICS™ Community insights, the Platform users and researchers can learn and improve their interpretations anonymously based on shared knowledge.



### **Privacy by design**

Protected Health Information is highly sensitive data and confidential information.

From day one, SOPHiA GENETICS has ensured the highest level of data protection in compliance with HIPAA requirements. The SOPHiA GENETICS architecture ensures privacy by design with the de-identification of data by segregating identifying data from other data.

Protecting data in a constantly changing threat environment

#### Strict access control

Data is protected by a two-factor user authentication or SAML2 integration.

### **SENDER OF SENDER OF SENDER**

All data stored or transferred are encrypted using the highest industry standards (HTTPS, AES256 key, RSA 2048-bit length).

### Cloud-based storage

Cloud and regional data centers for analysis and storage meet regulatory and HITRUST CSF requirements.

### Distributed file system

Data is available in the cloud data centers near its origin enforcing fail-safe data replication.





# NEW GENETICS 2002 ALL AND ALL

### **SOPHiA GENETICS™ Community at-a-glance**

The SOPHiA GENETICS™ Community is one of the largest networks of healthcare institutions. Each institution within the SOPHiA GENETICS™ Community gains knowledge and insights to improve its expertise in treating disease while keeping complete control of the data.

### **How the SOPHiA GENETICS™ Community works**

Aggregated insights from anonymized data across institutions create collective intelligence on multiple disorders. This further supports confident, informed decision-making and accelerates the discovery and improvement of targeted therapeutics.

### **Patient first**

Machine learning allows the sharing of insights for the benefit of patients while ensuring privacy.

### One of the largest networks

with more than **750 connected**institutions across the world, the Platform allows for data quality
enhancement and the
reduction of biases.

### Data aggregation

Analysis and interpretation from peers are aggregated and combined to highlight meaningful patterns.

# Confidentiality AT CORE

# **Collective intelligence**

Machine learning allows the **sharing of insights** for the benefit of patients **while ensuring privacy.** 

Connecting the Community members, anonymously!

The SOPHiA GENETICS™ Community is set up for institutions to **anonymously share collective knowledge.** 

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I will share my medical knowledge for the benefit of the patient and the advancement of healthcare.

WORLD MEDICAL ASSOCIATION | DECLARATION OF GENEVA





