

Secure and Private Cloud-Based Big Data

Get your data ready for analytics and into the hands of your researchers and analysts faster, with the PHEMI Central™ Big Data Warehouse in a ClearDATA™ secure healthcare cloud.

PHEMI Central is a big data warehouse purpose-built to combine the flexibility, scale and economics of big data with the complex data management and governance needs of healthcare.

You can take advantage of ClearDATA's unmatched expertise and PHEMI's deep experience with big data technologies to simplify every step, from installation to getting your end users up and running.

the operating system to HITRUST and HIPAA-compliant status.

Get started quickly and affordably

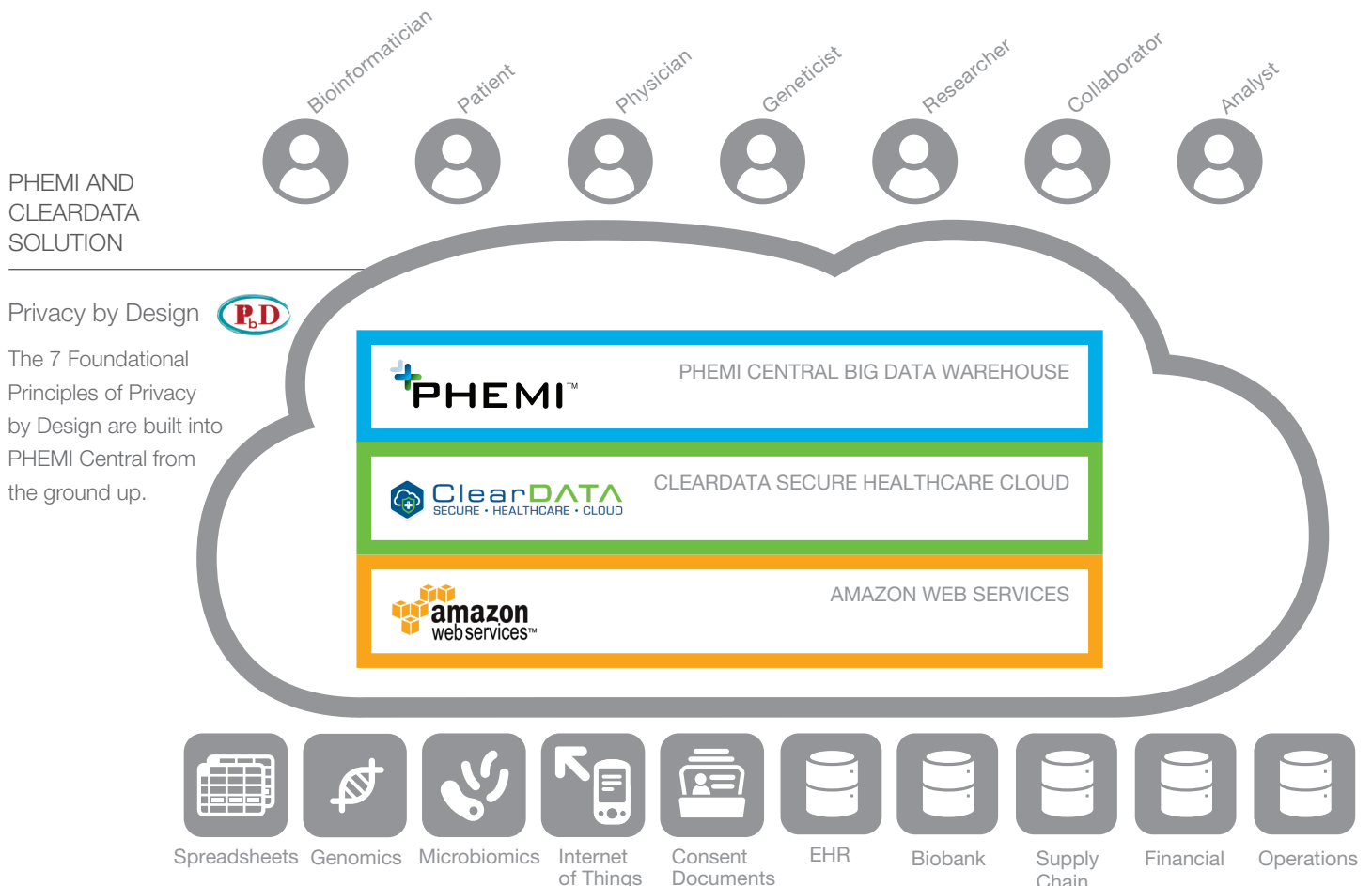
Benefit from the agility, flexibility, and economics of the cloud. PHEMI Central hosted in ClearDATA's secure healthcare cloud gets you up and running quickly, at low cost.

There's no need for prohibitive up-front capital investment or specialized big data expertise.

Protect your data, with privacy, security, and governance

ClearDATA's cloud computing platform designed and developed exclusively to meet the compliance, security, and performance needs of the healthcare industry. ClearDATA's partner AWS secures the infrastructure, and ClearDATA protects

PHEMI is a leader in big data privacy management, offering a sophisticated privacy, data sharing, and data governance framework that lets you automatically protect private and sensitive data while ensuring rightful access. Advanced data management features like version control, lifecycle management, and data sharing agreement enforcement help bring even complex data types under governance.



Get value out of all your data

Bring complex and non-traditional data—lab reports, consult notes, images, sensor messages, microbiome profiles, genomic sequences, and so on—into PHEMI Central along with your relational data, making it all available to your analytics tools and applications.

Index and catalog for sub-second lookup

PHEMI Central indexes and catalogs your data on ingest to deliver sub-second lookups and make it easy and fast to find your data.

Transform and enrich

Using distributed in-database compute functions, PHEMI Central can automatically cleanse, standardize, encrypt, or de-identify selected information. To derive maximum value from raw data items, PHEMI Central can parse, recognize, and extract, or selectively tag or re-tag data with metadata indicating its sensitivity on a per-field basis. In-database processing makes even complex or non-traditional data ready for analytics fast.

Share your data

PHEMI's Data Catalog adds self-serve capability, putting data in the hands of researchers and analysts faster. Researchers can browse curated catalogs of data and get immediate, on-demand access to data from authorized data marts. Data is appropriately masked or de-identified as required by access policies.

Grow at your own speed

With a cloud-hosted PHEMI Central implementation, you can accelerate your deployment of big data. Choose from a wide selection of features and services. Gain experience with an initial deployment, then scale up and build out incrementally, when you're ready.

PHEMI CENTRAL BIG DATA WAREHOUSE

- Data Catalog
- Data Science Tool Kit
- Complex Data Handling
 - Precision Medicine
 - Healthcare
 - Customer Experience
- Privacy, Security, Governance, and Data Management
- Big Data Platform

CLEARDATA SECURE HEALTHCARE CLOUD

- Operating Systems, Network & Firewall Configuration
- Client-Side Data Encryption
- Server-Side Encryption
- Network Traffic Protection

AMAZON WEB SERVICES

- AWS Foundation Services
 - Compute
 - Storage
 - Database
 - Networking
- AWS Global Infrastructure
 - Availability Zones
 - Regions
 - Edge Locations

ClearDATA is the fastest growing healthcare cloud computing company in the US, with a cloud computing platform designed and developed exclusively to meet the compliance, security, and performance needs of the healthcare industry. With Common Security Framework (CFS) certified status from the Health Information Trust Alliance (HITRUST), ClearDATA's cloud computing, backup, disaster-recovery and professional services have been demonstrated to meet the highest standards for managing security risks and protecting health information.

AWS cloud customers benefit from a data center and network architecture built to satisfy the requirements of the most security-sensitive organizations. AWS and its partners offer hundreds of tools and features to help you meet your security objectives around visibility, auditability, controllability and agility.