MAKE DATA YOUR
SUPERPOWER

LifeGraph® by BurstIQ revolutionizes research-related data with advanced data management, privacy-enhancing technology, and knowledge graphs. The platform transforms data into a powerful asset, eliminating silos and providing a single, secure source of truth. LifeGraph reveals hidden connections within complex data sets, enabling easier analysis, insightful collaboration, and innovative decision-making. Organizations leverage LifeGraph to enable multi-party collaborative research networks, driving value and trust for participants and accelerating the pace of innovation.

Key Features Supporting Collaborative Research & AI

HCP Registration & Study Onboarding

To validate HCP credentials during the onboarding process, it is crucial to integrate data verification workflows during onboarding and on an ongoing basis. LifeGraph orchestrates verification workflows and integrates with trusted verification sources such as Mastercard IIA, Ping, NPPES, FSMB, and other primary verifier systems.

Verified Provider Participant Directory

LifeGraph empowers organizations to create and maintain verified knowledge graphs of organizations, providers, contributors, investigators, and patients. Knowledge graphs unify data related to identity, credentials, specialties, research contributions, and other essential data. This ensures that users can trust study data and verify the person, organization, or algorithm that produced that data.

Automated User Access Management for Data Security

LifeGraph implements automated, granular data ownership and access management through governance rules and smart contracts. Collaborative research networks can enforce data access across all levels, including individual (dynamic consent), organization-to-organization, study-specific, and network-wide. With this proactive approach, LifeGraph ensures stringent data security and enforces data access from a single data field to a petabyte dataset.

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Enhanced Traceability for Study Integrity

LifeGraph provides comprehensive data management capabilities to maintain study data integrity.

Key features include:

Large File Sharing & Routing:

Securely share and route large files on a study-by-study basis. LifeGraph ensures a chain of custody, consent management, consent revocation, and auditability for regulatory submissions.

Data Ownership & Source Lineage:

Establish data ownership and source lineage to trace intellectual property attribution. LifeGraph allows flexibility in enforcing data ownership for organizations, individuals, and even AI algorithms, engines, or hardware endpoints.

Trace Derivative Works to Origin:

Connect original data to derivative works to clearly understand data lineage, IP attribution, and trust derivative insights.

Immutable Data Auditability & Traceability:

LifeGraph accurately tracks and records activities or events related to data in a way that cannot be deleted or modified, meeting regulatory agency reporting requirements.
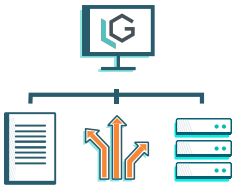
Dynamic & Revocable Consent Management:

Manage consent dynamically and revocably on a per-patient basis and between researchers/ organizations. LifeGraph ensures full traceability and automatic recordation of data-sharing events, enhancing reporting accuracy and privacy compliance.

Secure & Compliant Data Management

LifeGraph allows organizations and consortiums to maintain compliance with HIPAA and GDPR regulations, providing robust security, privacy, data storage, and data de-identification. With six years of verified third-party audits, LifeGraph offers a comprehensive solution for healthcare and life science organizations to build and scale a HIPAA-compliant research network quickly and cost-effectively.

In addition to HIPAA-compliant data storage, LifeGraph provides tools for complex data governance (including master data management and access management), interoperability, data de-identification and tokenization, and data lineage/traceability. All these capabilities are integrated into a single platform, streamlining data management and reducing the administrative burden of regulatory adherence.

Flexible & Extensible Across Disciplines

LifeGraph focuses on pure data management. It is data-agnostic, standard-agnostic, and algorithm-agnostic, allowing organizations to extend their research networks to support many different types of data, compliance requirements, governance models, study protocols, and algorithms.

To establish trust in the system, LifeGraph provides the tools that allow organizations to maintain and enforce individual and organizational data ownership, control, and visibility for raw data, derivative works, algorithms and their outputs, and other study data. This means that no third party (including other contributors to the network) can access, control, or manipulate information they shouldn't.

Additionally, LifeGraph offers the capability to manage ontologies, enabling efficient organization and categorization of data. By emphasizing data specialization and ownership, the platform fosters trust among participants, creating a secure environment for collaboration and research within the AI study platform.

LEARN MORE ABOUT LIFEGRAPH

PLATFORM CAPABILITIES:

One Platform InfoGraphic

EXPLAINER VIDEO:

The All New LifeGraph Explainer Video

USE CASES:

Maryville University

Medicaid Modernization

WHITE PAPER:

How Smart Data Powers a Web3 World

NEW PRESS RELEASE:

BurstIQ Recognized as a Sample Vendor in the 2024 Gartner® Market Guide for Health Data Management Platforms Report

E-BOOK:

Building Trusted, Intelligent Data

How BurstIQ Married Blockchain & Data Security to Solve One of the Toughest Challenges in Healthcare

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