

# A daml : Healthcare

Automate the exchange of patient information across internal and external organizations with a highly secure framework

## Heightened demand for efficiency

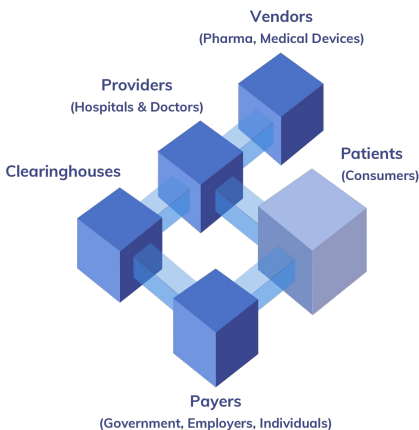
The unique pressures on healthcare are driven by privacy concerns, compliance requirements and heightened demand for efficiency and accuracy. Multiple parties - governments, insurers, patients, and providers - are rightfully insisting on more reliable solutions with even more safeguards for personal information. Existing healthcare delivery systems are built with older technologies that silo information and stand in the way of delivering efficient healthcare solutions.

## Daml is a privacy-first framework

for multi-party workflows that tears down data silos leveraging the power of smart contracts.

## Integrate with existing systems to synchronize multi-party workflows

The collaborative nature of healthcare requires synchronization across multiple parties. From securing patient data to reducing administrative costs or improving clinical research operations, Daml can help manage the complex end-to-end lifecycle of critical healthcare delivery.



## Prove your concept, build it once, and deploy anywhere

Whether you're still identifying what pain-point to solve or ready to widely distribute new solutions, Daml provides maximum flexibility. You have the freedom to start small and build quickly, proving value along the way without costly upfront investment.

## Daml supports a variety of healthcare

processes with pre-built solutions supported by systems integrators, or build brand new solutions that solve processes unique to your organization.



Healthcare Providers



Pharmaceuticals & Life Sciences



Payers & Commercial Access

Work with your choice of systems integrators to identify the right infrastructure and solution for your business, or access the Daml Marketplace and identify pre-built solutions that meet your needs.

## Supported by enterprise distributed ledgers and traditional databases

You can build and test applications in development through the open source Daml SDK, and then move to a production-grade instance with the language and tools that enforce the rights and obligations encoded in the Daml workflows. Use either Daml for SQL or select a distributed ledger with physical data segregation capable of handling PII and PHI data.

**c.rda** **vmware**<sup>®</sup> PostgreSQL

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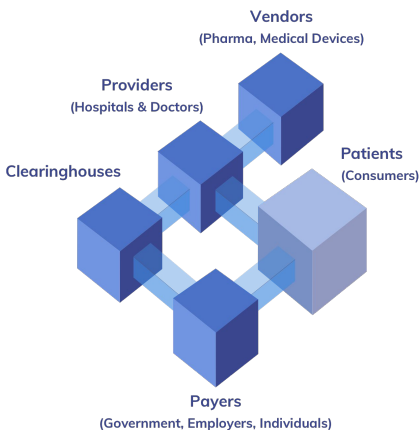
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# daml : Healthcare Providers

Improve care with consistent and compliant data sharing across the patient's healthcare journey

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## Protect patient data without the silos

Due to complex healthcare regulation regarding Protected Health Information (PHI), healthcare providers must take significant effort to secure patient information which often results in siloed records across disparate systems without harmonized medical codes. Barriers exchanging patient data prevents the holistic view necessary to provide optimal patient care. Rather than wasting months on timely reconciliation processes, which often results in inaccurate records, healthcare professionals need solutions for multi-party workflows that unlock the value in siloed data stores while protecting patient privacy.

## Daml enables organizations to build HIPAA compliant multi-party workflows

through its privacy-first framework that tears down data silos by leveraging the power of smart contracts.

## Implement strict controls and govern access to sensitive data

Daml securely shares data across all parties involved in a transaction and enforces the rules outlined in the application's business logic, so healthcare providers can trust the application is behaving as expected. Data is only visible to those who have a right to see the data preserving patient privacy while enabling operational efficiency.

## Daml solves unique healthcare provider workflows

- Provider credentialing and onboarding
- Care coordination and care transition
- Patient payment management
- Affiliated clinical and administrative interoperability

## Accelerate growth and empower patients

Daml applications improve the availability of medical data across providers and payers, and provides price and quality transparency among patients to build trust in the administration of healthcare. Onboarding and credentialing of physicians can be accelerated to bring optimal care to patients.

**CHANGE**  
HEALTHCARE

## Streamlined healthcare payments with reduced reconciliation among multiple providers and payers

Work with your choice of systems integrators to identify the right infrastructure and solution for your business, or access the DamL Marketplace and identify pre-built solutions that meet your needs.

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# daml : Health Insurance

## Accelerate claims processing and accuracy with interoperable multi-party applications

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### Automate manual processing of data

The current healthcare system is plagued with manual processes from faxing patient records to reconciling deductibles against billing statements, increasing the risk for human error and breaching HIPAA compliance. To complicate matters, health insurance policies and claims processing all require data from external providers. Healthcare lacks automated multi-party workflows that support a consistent and efficient flow of business for insurance providers. To advance patient protection against unexpected events and high-cost medical expenses, insurance companies need a solution that interoperates between external parties and eliminates the need for human intervention.

**Daml increases efficiency for claims processing and policy management** through its privacy-first framework for multi-party applications that tears down data silos by leveraging the power of smart contracts.

### Integrate disparate technology with multi-party agreements

Daml fosters the exchange of data between healthcare providers and insurance companies through a highly secure framework that honors the rights and obligations outlined in the application's business logic. Daml supports existing healthcare messaging specifications through integration adapters that bridge existing systems with the Daml ecosystem.

### Daml solves unique health insurance workflows

- Healthcare claims lifecycle and management
- Health plan shared accumulator
- Coordination of benefit workflow

### Prove your concept, build it once, and deploy anywhere

Whether you're still identifying what pain-point to solve or ready to widely distribute new solutions, Daml provides maximum flexibility. You have the freedom to start small and build quickly, proving value along the way without costly upfront investment. Unrestricted portability also ensures you choose the right infrastructure at the right time. As requirements change, you can move the application to a platform that works for your business needs.

## CHANGE HEALTHCARE

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# daml : Pharma & Life Sciences

Eliminate inconsistencies between clinical trial data and drug safety information

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## Disparate platforms slowing innovation

The pharmaceutical industry is an integral part of the patient's healthcare journey, providing essential medications that require years of research, trials, and ongoing drug safety assessment. This information is constantly audited by various health authorities, so every system managing clinical trial and drug safety data must be secure and valid. In addition, pharmaceutical supply chains and clinical trial workflows run on complex, disparate platforms resulting in the siloing of valuable data which in turn inhibits future drug innovation and clinical research.

## Daml creates a more consistent and efficient clinical trial and supply chain experience

through its privacy-first framework that tears down data silos by leveraging the power of smart contracts.

## Implement strict controls and govern access to sensitive data

Daml is confidential by design with transactions only visible to direct counterparties and third-parties who have been explicitly granted viewing rights. DamL's fine-grained control over what can be shared with other parties allows auditors, regulators, and third-party service providers to be brought into the supply chain or clinical trial workflow.

## Daml solves unique pharmaceutical workflows

- Clinical trial master file management
- Patient trial consent management
- Labeling and company core datasheet (CCDS)
- Supply chain (track and trace)

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## Bridging data and business process islands throughout a complex enterprise pharmaceutical supply chain

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