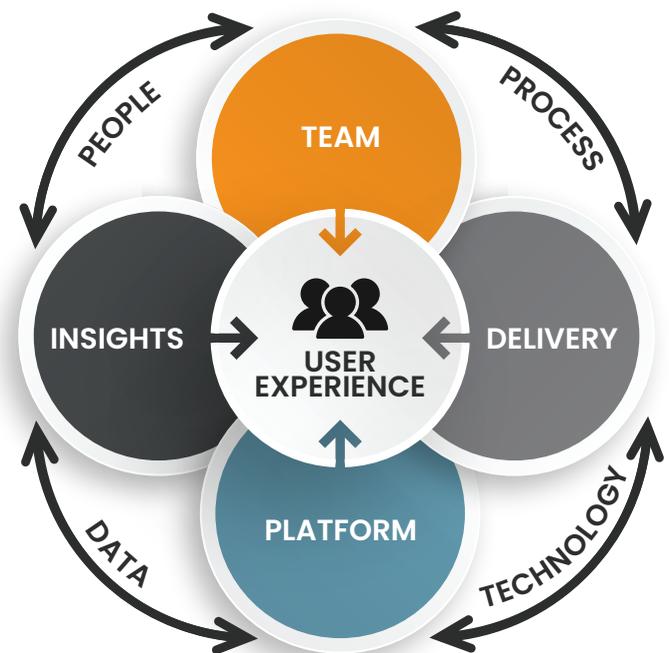


# Solving Public Health Data Challenges with a Data Ecosystem Framework

Government programs own many data assets but often need supplemental staff that bring the skill sets and data process experience, as well as technical solutions to translate data into actionable information. These data are voluminous, composed of various fragmented data types, of varying quality, and stored in multiple source systems with different capabilities for data exchange. Cognosante's Data Ecosystem Framework improves the consistency and accuracy of data, enhances user experience, and provides a unified approach for organizing and representing data.

Developed to adapt to existing and evolving requirements, the Framework's architecture includes a scalable and composable cloud-architected solution that ensures data is properly discovered, collected, integrated, accessible, usable, and secure. The technologies incorporated into our solution are carefully selected to maximize "Speed-to-Insight", to enable faster, data informed decisions. As a result, organizations leveraging our solution:

- **Reduce Data Complexity** – A reduced number of platforms simplifies analytics.
- **Improve Data Quality** – Data is integrated and transformed in one location creating a "single source of truth."
- **Advance Interoperability** – Observational Medical Outcomes Partnership, Common Data Model, FHIR, HL7, USCDI, including structured, semi-structured, and unstructured data are all supported.
- **Promote Reusability** – Technology-agnostic approach supports multiple tools that organizations already have or want to use.
- **Increase Efficiency and Save Costs** – Cloud strategies, Human Centered Design principles, and a flexible architecture deliver return on investment.
- **Benefit from Proven Practices** – Modular approach supports State Health Information Exchanges (HIEs), Department of Veterans Affairs (VA) and the Centers for Medicare and Medicaid Services (CMS).

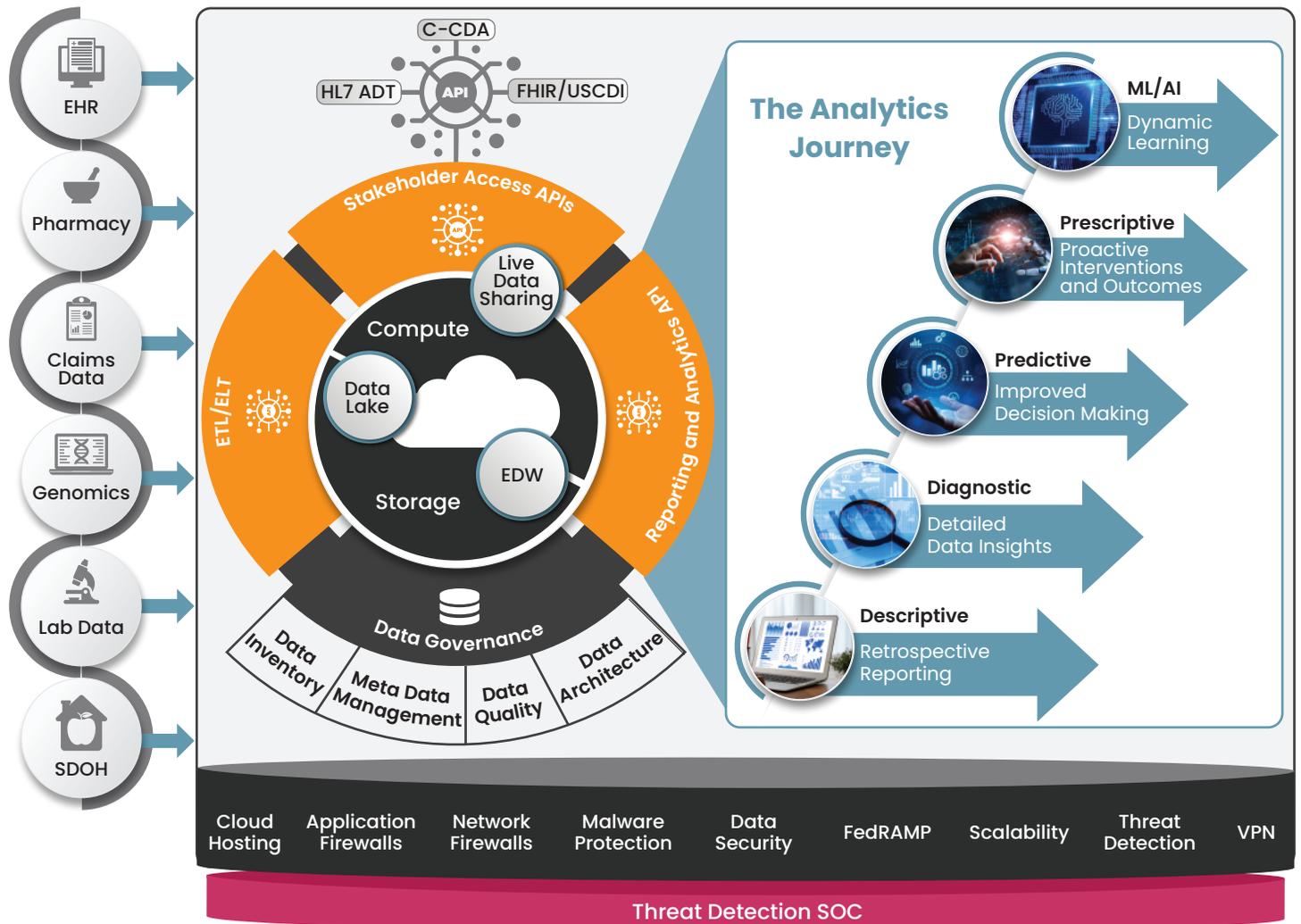


## Help Your Data Drive Better Decision Making

Cognosante's framework puts data first and accelerates analytic maturity, moving your organization from reactive to proactive decision making. The journey includes increasing analytics capabilities from retrospective reporting to cognitive insights by applying machine learning (ML) and artificial intelligence (AI). Our team is led by former and current military intelligence analysts, bringing new expertise and techniques to accessing, digesting, and curating actionable analytics-ready data. We transition our expertise to our customers, offering continuous education as well a Data and Analytics Center of Excellence, to support your personnel.

# Delivering Data Insights through a Secure, Cloud-based Architecture

Our Data Ecosystem Framework streamlines data ingestion, delivering the data into Data Lakes and Warehouses (lakehouses) and supports live data steaming and change data capture. We separate storage and compute functions, reducing cost and improving performance. Stakeholders access curated data via standard Application Programming Interfaces (APIs), and all information is securely cloud hosted.



Learn more about how we're empowering organizations make sense of data to make informed decisions. 

## About Cognosante

Cognosante is a mission-driven technology company delivering innovative and transformative solutions that improve the health and safety of Americans. With more than a decade of experience working with state and Federal government agencies, we aim to expand access to care, improve care delivery, deliver solutions addressing social determinants of health and ensure safety and security through multi-faceted technology and customer experience (CX) solutions. Our broad range of capabilities includes enterprise IT and cloud, data science, telehealth, interoperability, public health surveillance, clinical performance, eligibility and enrollment and consumer engagement.