

MMIS Modernization

ODS and MPI for Medicaid Transformation

DATA SHEET

To improve the delivery of healthcare services and meet requirements for health data interoperability, technology leaders of State Health and Human Service Departments need to modernize their aging Medicaid Enterprise Systems (MES).

The Progress® MarkLogic® data hub for Medicaid combines an Operational Data Store (ODS) and Master Patient/Provider Index (MPI) that allows them to confidently accelerate migration of legacy data to a more modern platform that simplifies data integration while future-proofing IT architecture.

MMIS Modernization Challenges

State Government Medicaid Management Information Systems Replacement (MMIS-R)

projects are monumental undertakings that traditionally suffer from lengthy development cycles – resulting in costly systems integration and deployment delays.

Legacy ODS and Separate Master Data Management (MDM/MPI)

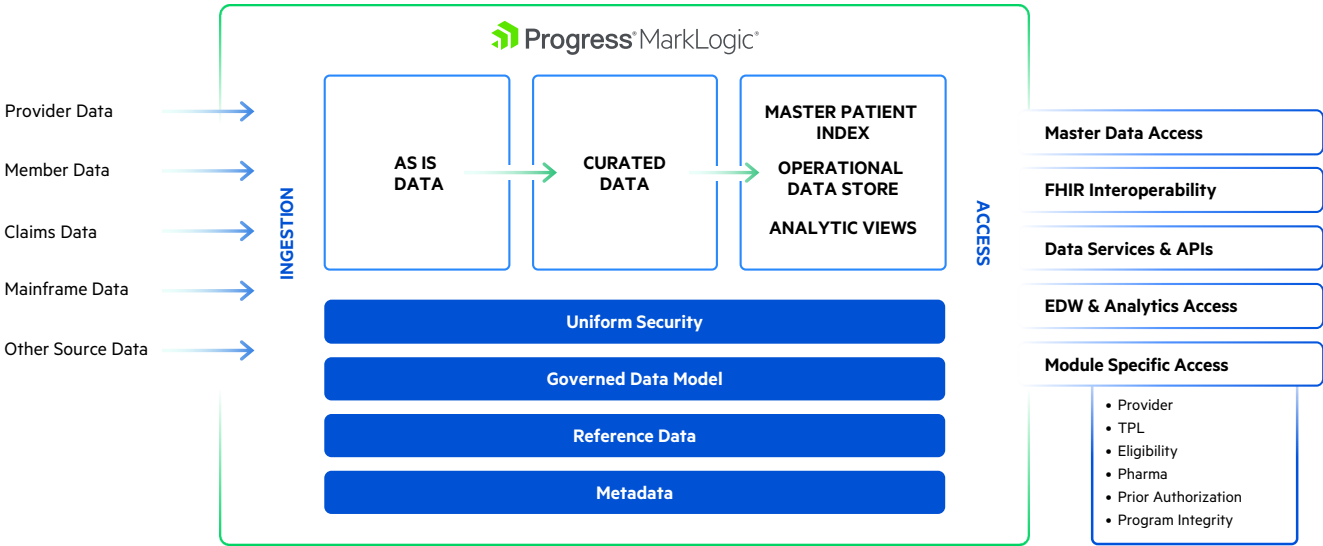
technology are simply not up to the task of quickly and reliably delivering a complete, real-time, person-centric 360° view from disparate data silos.

To get to a true golden record of your members and providers – and ensure the data security you need – you need a new approach for integrating data from legacy and newer systems to modern MES modules. Progress MarkLogic further simplifies modernization by handling much of the EDW load directly from the ODS.

Why MarkLogic Data Hub For Medicaid?

In a word: **Simplification**. By combining many components, MarkLogic reduces risk, complexity and time-to-value. MarkLogic provides an enterprise-ready MMIS ODS with MPI & EDW capabilities. Our ODS platform provides more capabilities than any traditional ODS – including built-in master data indices, search, security and analytics.

It integrates data from any legacy system or new module with ease and reduces the risks and costs of MMIS modernizations. As a proven ODS approach, we ensure that State Medicaid Agencies are HIPAA, MITA, MECT and FHIR-compliant, accommodate change and position states for success in the out years – rather than being locked into a particular module or technology stack.



Having all member, provider and program data in one place with easy and secure accessibility is also a first step towards improved operational execution and better service delivery, such as cross-department benefits coordination and population health management.

Benefits Of Modernizing With MarkLogic

- 1 Accelerate Development & Modernization** MarkLogic ODS can be deployed before individual modules are implemented, allowing a state to get started on data modeling, sharing and governance immediately. And with intuitive tooling, data owners are less reliant on software engineering for all data integration tasks.
- 2 Streamline Your CMS-Compliant Architecture** Using the MarkLogic data hub for Medicaid, your organization now has an enterprise-ready MMIS ODS with comprehensive capabilities that can eliminate or reduce the need for other storage systems, such as enterprise data warehouses and lakes. This simplified architecture for data integration is HIPAA-compliant and consistent with MITA and MECT guidelines.
- 3 Enable Unified 360° Views Needed for Service Development** By curating, deduplicating and linking all data, systems can access a complete view of members, providers, hospitals and any other important entity. This is critical for Medicaid processing, and may also support integrated case management and eligibility for other programs such as TANF, SNAP, LTC, ASYLEE or energy subsidies.
- 4 Directly Provide Reporting & Analytics** Analytic outputs and reports can be served directly from “data lenses” within the MarkLogic ODS, which provide customized analytic views. This direct reporting and analytic capability can reduce or eliminate the need for custom analytic components such as a full-scale EDW.
- 5 Share Data Safely** Upfront, built-in, certified security – including support for secure de-identification and redaction – enables data sharing instead of inhibiting it.
- 6 Future-Proof Your MES** Schema flexibility ensures that your organization can integrate data from any legacy system or new module with ease, and adapt to future changes.

Proven MMIS Modernization Success

Around the US, organizations are successfully transforming Medicaid services with MarkLogic.

Data Hub For Medicaid Health Plans A large healthcare payer deployed MarkLogic as a data consolidation hub to serve more than a dozen of its Medicaid health plans. The hub feeds both downstream applications and operational processes – and provides stringent controls over PHI, PII and other HIPAA-related data.

Improved Medicaid Eligibility & Claims Processing Completed in 120 days, this Southeastern State’s Department of Health and Human Services now has a modern MES that streamlines claims processing and reduces data management costs.

Modernizing MMIS In The Cloud A state department of community health is building their future MMIS using MarkLogic as the ODS and Master Data Management Solution on the AWS Cloud. MarkLogic was chosen due to its proven success with other state health departments, robust product features and strong solutions engineering capabilities.



**Need a trusted partner and robust tools
for your modernization projects?**

About Progress

Dedicated to propelling business forward in a technology-driven world, [Progress](#) (NASDAQ: PRGS) helps businesses drive faster cycles of innovation, fuel momentum and accelerate their path to success. As the trusted provider of the best products to develop, deploy and manage high-impact applications, Progress enables customers to build the applications and experiences they need, deploy where and how they want and manage it all safely and securely. Hundreds of thousands of enterprises, including 1,700 software companies and 3.5 million developers, depend on Progress to achieve their goals—with confidence. Learn more at www.progress.com

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