



SoftDev

Data Management

Data Management and Architecture sits at the heart of the data life cycle. SoftDev prioritizes security, governance, and the reliability of our infrastructure so that the daily work can move seamlessly forward. Our goal is to make sure that we tackle data management from all sides while ensuring a secure environment. We use DMBOK best practices however, our people are what really make it happen.

What do we deliver?



Quality and Governance

Applying DMBOK best practices in alignment with knowledge of business rules, testing automation, and lean processes to produce trusted data sets



Architecture

Choosing the right tools and models to minimize technical debt, eliminate data silos, account for different data structures and formats, and build for the future.



Technical Assistance / Help Desk

Working with critical stakeholders and end users to find and resolve the issues



For more information, contact:
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Highlighted Projects



CMS / End Stage Renal Disease Quality Reporting System (EQRS) Patient Registry Portal and Analytics (PRP&A)

EQRS serves as the National Patient Registry and Quality Improvement Tool for the CMS ESRD Program, supporting a number of functions, including acting as the foundation for quality measure data that supports the ESRD Network Program's Quality Improvement activity data. EQRS houses Medicare facility and patient data, demographics, treatment, modality, and clinical laboratory data for patients certified as ESRD (~80% Medicare, ~10% Medicaid). SoftDev provides key personnel that provide ESRD Program Subject Matter Expertise and development support as embedded staff within scrum teams (e.g. business analysis, analytics, data validation, data quality, testing, etc.). As the SME, SoftDev serves as the point of contact between the contract and the ESRD Program, including critical renal community stakeholders, ensuring advocacy of proper adherence to program priorities and business rules within EQRS. Through this effort, SoftDev has direct understanding of the system, data structures, and data flows.

SoftDev participates and collaborates in providing and monitoring data to external contractors for data validation, providing documentation and education on expected data and result sets. Our data profiling activities include implementing error trending reports as part of the EQRS system; and profiling trending of production support and production data management issues that provide insight into the correction, development, and prioritization of data issues. SoftDev performs data quality monitoring based on ESRD patient coverage, payment issues, and root cause analysis to identify and correct the issues we collaborate and actively address. Our data quality methodology is based on CMS' approved Data Management Quality Guidelines for the related subject matter and business rules, as well as industry DMBOK standards on data ingestion, monitoring, accuracy, completeness, and reporting to CMS. We utilize PostgreSQL, AWS S3 RDS microservices (16 of them), AWS Redshift data storage for reporting, and AWS Athena for legacy data storage.

SoftDev provides similar data validation and technical assistance tasks on our prime CMS / ESRD Help Desk and CMS / CDDS (3 Iterations) efforts.



""SoftDev's dedication to ensure the integrity of the data we serve is because we know each data point represents a human life impacted. Since our EQRS PRP&A contract award in February 2021, that dedication has led SoftDev to clean up over one million clinical records for the ESRD program. That's is something we are incredibly proud of."

Michael Kennedy,

Chief Data Officer / ESRD Program Director, SoftDev

