



# Virtusa Life Sciences solutions

Driving innovation and transformation across key life sciences segments

Virtusa's life sciences practice helps pharmaceutical and medical device companies in areas of chronic disease management, interoperability and data sharing, patient engagement, virtual care, artificial intelligence, machine learning, and value-based care models.

We implement innovative business models centered on delivering better patient outcomes at a lower cost to help our clients stay ahead of the game. We drive this innovation by combining our deep life sciences experience with our core/platform engineering, data analytics, intelligent automation, and engagement experience technological capabilities to build software solutions that help companies thrive in this new ecosystem.



# Our capabilities

## vLife™



750+ AI/ML Models spanning chronic conditions, such as diabetes, precision medicine for oncology, population health, and epidemiology



For interoperability and data sharing



Diverse healthcare data elements, including synthetically generated testing data that is unencumbered from privacy, security, and ethical concerns

## Remote Patient Monitoring (RPM)



### **Program Launch & Management:**

Reimbursement strategy analysis, feasibility pilots, and large randomized trials provide the necessary evidence to drive clinician adoption, resulting in improved patient adherence and clinical outcomes



### **Experience Management:**

Intelligent workflows leveraging seamless access to patient's device data, medication dosage trends, clinical information, and lab results truly make the provider experience seamless. AI-enabled decision support and managed services will maintain the quality of life of patients and lower the cost of care for the payers



**Technology enablers:** HL7v2, HLv4:FHIR accelerators for integration coupled with adoption of CPCDS (Common Payer Consumer Data Set) and USCDI (United States Core Data for Interoperability). Privacy, Cyber Security and Access per Contracts managed through HIPAA compliant, HITRUST certified, and SOC2 compliant platforms and processes

## Ethics Management Suite (EMS)



Accelerate the consented use of bio specimens in secondary research quickly and easily through digital process automation (DPA) with electronic Patient Informed Consent (ePIC)



Automate reconciliation and monitoring of sample collections to enable reuse of valuable bio sample data with electronic Sample Collection Schedule (eSCS)



With advances in OCR, NLP, and AI along with the ever-expanding data sources, Cognitive PV intake provides the edge companies need in the Pharmacovigilance market.

## Track and trace



Act as a source of truth, leading to transparency across the supply chain, eliminating the challenges of the bullwhip effect and information delays



IoT to accurately track location, temperature, humidity, and other related parameters to provide a real-time view of the product flow through the chain



Record instant updates or track product on-field through mobile apps

## Interoperability



Deep domain knowledge in HL7 formats and Fast Healthcare Interoperability Resources (FHIR) compliant data model, along with pre-built APIs, simplifies the CMS interoperability journey, leading to operational efficiencies and continuous innovation



Fast-tracked implementation of interoperability rules in accordance with the client technology landscape and preference



Data house frameworks powered by interoperability appliances that establish connectivity among the data houses, devices, clinical trial repositories, provider EMRs, and SMART on FHIR apps

## Supply chain solutions



NVRM provides visibility to the global supply chain network by highlighting supply chain constraints due to macro events, demand-supply sync and helps in customer fill rate improvement while reducing inventory



MDH aggregates data from multiple manufacturing systems and harnesses the power of hidden data to provide real-time insight on ingredients & batch quality and process throughput. Thereby providing batch genealogy for continuous process manufacturing while enabling efficient operations



# Our partners



## Awards & recognitions



Recognized with 2020 Pega Partner Award for Excellence in Digital Transformation



Named SIIA CODiE Award Finalist for Best Healthcare Technology Solution

Positioned as a Major Contender in the Healthcare Payer Digital Services PEAK Matrix Assessment with Service Provider Landscape 2020

Positioned as a Major Contender by Everest Group in Life Sciences Digital Services PEAK Matrix 2019

For more information on Virtusa's life sciences industry solutions and technologies that can help you modernize and transform your organization into a digital enterprise, please visit: <https://www.virtusa.com/industry/life-sciences>

# virtusa