

Digital Patient 360

Colin Ball : 7-9 minutes : 3/29/2024

Offer Vision / Definition

As a global pioneer in digital transformation, Capgemini strives to help **Healthcare** community and intelligently lead in the Healthcare industry sector. Capgemini is solving HealthCare Quality challenges with better financial and clinical decisions with our real-time data, with the foresight to become more agile, realize new pathways, growth opportunities and/or create new inventions. With 100% focus on everything pertaining from Data to Intelligence, we offer the versatility needed to succeed and unleash the power of data to drive Healthcare organization's next intelligent disruption.

Business Pain Point

- Healthcare organization's inability to derive holistic patient medical history across care centers
- Non-existence of trustworthy and tamper-proof Patient record for clinical decision making
- No "Future-Proof" platform to support the growth of Accountable Care and Quality Metrics
- No Interoperable platform for Health Information exchanges (HIEs) to eliminate higher costs and long Implementation Cycles

Offer Details

DP360 provides comprehensive longitudinal Patient data (**CCDA/HL7 V3 R2**) record using the combined power of traditional and emerging technology paradigms (**Cloud, AI, IoT** and **Distributed Ledger Technology**) to empower Healthcare Organizations to achieve better decisions and goals. The DP360 Offers 3 main solution components to gather Data (**Real World Evidence**), Rationalize (**AI**) and Augment (**DLT**) to achieve patient-centric, personalized medicine by creating a EHR that encompasses all structured and unstructured data.

1. **Evidence:** The RWE data from decentralized network connects a patient data from various care centers, such as hospitals, primary care practices, rehabilitative centers, nursing homes, medical laboratories and urgent care centers.
2. **Rationale:** Reasoning capabilities automatically infer intelligent attributes such as EMRs, Connected devices-generated data, genomics, biomarkers, Allergies, Adverse Reactions, Alerts, Encounters, Functional status, Immunizations, Instructions, Medications Administered, Medications, Plan Of Care, Problems, Procedures, Results, Social History & Vital Signs across full medical history spectrum. DP360 continuously applies machine learning and expert rules-based enrichments to synthesized data to help discover plan efficacies, non-obvious relationships, measure risk, hierarchical chronic conditions, infer adverse event effects, apply segmentation and next best steps.
3. **Augment:** DP360 enables secure sharing of encrypted patient's health records with Physicians, Hospitals, Clinical Research and Healthcare Organizations via Decentralized, Distributed and Private Blockchain Consortium. The DLT component will include nodes from stakeholders of the healthcare

ecosystem such as payors, providers, care networks, and pharmaceutical companies complying with Healthcare industry **GRC** mandates.

Target Audience & Markets

- **Target:** Payors, Providers. ACO. MCO, LTC, Network providers & hospitals, Universities, research institutions, and Insurance firms. CXOs, LOB Heads, CTOs, Innovation Heads, CDO/AI Heads.
- **Markets:** Healthcare, Regional / Global Medical Benefits, and Insurance Firms
- **Estimated Deal Size/Range:** \$1-3 million

Client Benefits/Business Value

As an AI & DLT-powered DP 360 solution, Capgemini delivers unparalleled value & an Intelligence- driven EHR solution to Healthcare community by adhering to HIPAA, HL7, HITRUST, HITECH and MARS-E mandates

- **Payor :** Provides insights and efficacies into various plans, codes (**LOINC, SNOMED-CT, ICD-10, RxNORM** and **CPT-4**) for electronic transmission of data in healthcare related transactions, including eligibility and insurance claims and payments. It covers patient confidentiality and offers full protection on physical, technological and administrative safeguards
- **Provider:** Provides irrefutable patient medical history, identifies drug prescription safety issues, saves time in reconstructing the medical history, all types of information that cannot be released if collected for research purposes
- **Professional :** Allows HealthCare Professionals to leverage secure, tamper-proof infrastructure for patient medical history, provides audit trail on medical records access
- **Patient:** Offers full control on their EMR history, Protects Privacy, Guarantees trustworthy use of their medical history, and detects misuse or tampering in real-time

Services, Assets & Accelerators we sell

Capgemini provides a holistic approach to deliver Strategy and Roadmap for enterprise-wide DP360, with the scale and continuity for implementation

1. **Use Case Framework** – Use Case library for financial services to support core business processes
2. **Capability Reference Framework:** Checklist of MDM Technical and Functional Capabilities for WBS and ASD
3. **Party Data Model:** Scalable and extensible Party data model to identify gaps and revise Party Model enabling alignment with Core Healthcare Transformation
4. **Master Data Process Flows:** Reusable process flows for customer data onboarding, management and distribution catering to real-time, near real-time and batch patterns in alignment with ongoing Core Healthcare Transformation
5. **Real-Time Data Ingestion Framework:** Vendor agnostic Ready-to-go KAFKA framework in the context of DP360
6. **Data Quality KPIs & Rules Library:** Library of Data Quality KPIs & Rules, monitoring dashboard, business glossaries, issue resolution process, and reporting model

7. **MDM COE Setup:** Library of artifacts such as MDM playbook, FAQs, troubleshooting guide, Data Governance operating model, OCM etc. to setup and nurture MDM Competency
8. **MDM Artifacts Library:** Pre-populated templates based on several MDM implementation carrying guiding principles for accelerated implementation and robustness

Client Profiles

Global Healthcare Company

- Establish Global HC companies as “Data & Insights Driven” Organizations to embark on Digital Transformation. Achieve tangible business outcomes at the forefront of Transformation activities – Line Of Business Stakeholder engagement to define Vision, Strategy and execution to achieve IT synergies to improve Human Health

Healthcare Companies

Providers

Patient Care

IDN

ACO

MCO

UHC

BCBSA

Kaiser Permanente

CVS

CIGNA

HUMANA

Capgemini Advantage

- **Differentiating Solution Concept:** The Compelling differentiators include Healthcare Industry- specific assets namely use cases, proactive adherence of GRC mandates, and with pre-built models/framework that can be tailored for organization-specific requirements to expedite GTM
- **Capgemini’s unique Innovation ecosystem:** Clients get access to a thriving ecosystem of data providers, startups, accelerators, and partners on a regular basis through our Applied Innovation Exchange (AIE) and sandbox DP360 platform
- **Best-in-class Partnerships:** Our solution is supported by our IP / models and partner ecosystem, including AWS, MSFT, GCP, Informatica, Cloudera, IBM, Hyperledger, Ethereum, Corda, Tradle and

TAMR and wide range of data providers

- **Analyst Recognition:** Leader in the Gartner Magic Quadrant for Data and Analytics Service Providers, Worldwide (February 2020); Leaders in Everest Group's PEAK Matrix assessment for Application Services in Capital Markets / Wealth Management

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