Track & Trace

Appian Enabled IoT & Blockchain Solution

Leverages Appian, IoT & Blockchain to prevent counterfeiting & trace the condition of the medical device through the supply chain
Key Industry Problems
- The medical device and pharmaceutical industry is plagued by counterfeit products
- Compliance & Regulatory needs across the globe on medical devices
- Multiple parties in the supply chain, with a lack of visibility & ownership across the chain

Solution Highlights
- Blockchain for provenance tracking & authenticity of the medical device in the chain
- Appian to integrate, interact, visualize and analyze the ledger & manage exceptions
- IoT to track & monitor parameters of the tracked medical devices

Key Features
- Single integrated view of the medical devices tracking in the supply chain
- Dynamic Case Management to proactively manage any exceptions in the tracked medical device, such as spike in temperature
- AI to suggest the best logistics partner
- Mobile App to validate the authenticity of the medical device
- Smart contracts and decision rules to penalize logistics partner for unacceptable shipping conditions

Solution Benefits
- Enables transparency of ownership & device condition across the chain
- Prevents frequent complaints & product recall by proactively managing any incident during shipment
- Leverages Analytics & AI driven logistics partner for shipping
- Enables authenticity of medical device with Blockchain & Mobile app validation
- Automates & makes penalty calculation visible across participants with Smart Contracts & Rules

For more details, please contact AppianCoE@cognizant.com

About Cognizant
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