

MDIC - Build for the Submission and Analysis of Clinical Data

Pandera led the improvement and transformation of MDIC's HIPAA compliant data into the solution desired. The successful execution of the proof of value allowed for the expansion of the NESTcc Active Surveillance program.

The challenge

The National Evaluation System for health Technology Coordinating Center (NESTcc) initiative was started to transform the way medical device technologies are tested, approved and monitored. Working to establish a first-of-its-kind medical device active surveillance system. To achieve this, NESTcc worked to build a cloud environment that was secure, resilient and able to provide analytical results

The solution

Pandera deployed a net new virtual private cloud (the NESTcc Cloud) within the Google Cloud Platform. This included the creation of isolated and secure networks, rigorous IAM policies, capturing of audit logs and a service perimeter to ensure access controls to public endpoints as well as a Cloud Security Command Center. Data validation and capturing of data lineage: BigQuery and Cloud SQL used.

The results

The sample sets for the real-world data were processed through the system and run through the analytics tool producing the expected results, as compared to previously published literature. The successful execution of the proof of value allows for the expansion of the NESTcc Active Surveillance program with additional partners and enables the monitoring of devices.

“Throughout the validation tests, Pandera was able to ensure security, prevent PII ingestion and provide detailed lineage of the data ingestion process and surface results to end users via Data Studio, which was critical to meeting the needs of the stakeholders.”

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Omar Badawi, NESTcc Director of Medical Device Safety



About Medical Device Innovation Consortium
The National Evaluation System for health Technology Coordinating Center (NESTcc) initiative was started to transform the way medical device technologies are tested, approved and monitored. NESTcc, through dedicated funding from FDA, is working to establish a first-of-its-kind medical device active surveillance system.

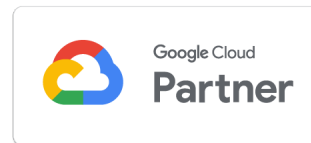
Industry: Healthcare & Life Sciences

Primary project location: United States



About Pandera Systems LLC

GCP Premier Data Analytics Specialist partner
Pandera Systems is proficient in Google Cloud, BigQuery, Cloud Storage, Cloud SQL, Data Studio & Looker.



Products

Google Cloud Platform