

Leading School of Medicine and Research Organization Collaborative Health Outcomes Information Registry

ABOUT THE CUSTOMER

Located in Northern California, this leading school of medicine and research organization supports the collaboration between researchers, doctors, and healthcare professionals all over the world. The sharing of clinical and research data increases the speed to solutions. The Collaborative Health Outcomes Information Registry (CHOIR) system is a Learning Healthcare Platform developed at this university, and migrated by Biarca to Google Cloud.

THE BUSINESS PROBLEM

Researchers, doctors and healthcare professionals needed a way to track patient health status over time, send results to doctors for clinical care and have the ability to access data for quality or research purposes. The solution needed to support patient surveys and provide clinic specific workflows and integration.

BIARCA SOLUTIONS

- CHOIR on Google Cloud, to monitor health status and outcomes for patients at scale
- Secured Continuous Deployments
- Provide data collection and collaboration platform
- Open source tools and open standard
- Utilizes NIH Patient-Reported Outcomes Measurement Information System (PROMIS)
- HIPAA Compliant
- Multi-Tenant

TECHNOLOGIES USED

- Google BigQuery
- Google Kubernetes Engine (GKE)
- Google Container Registry (GCR)
- Google Cloud Storage
- PostgreSQL
- Single Sign-On system with RH-SSO and KeyCloak