Case Study: Regional Healthcare System

PHEMI HEALTH DataLab manages billions of patient records

Analysis of Sensitive Health Data from Multiple Local Silos

The BC Provincial Health Services Authority (PHSA) mandate was to develop a commercial data governance framework to manage pathology and laboratory data to be used to perform analytics on billions of patient records in a database.

PHSA has implemented PHEMI HEALTH DataLab to be its governance & privacy solution. This has allowed PHSA to streamline/automate governance processes/procedures and data set management activities including data ingestion, de-identification and privacy, data storage, multiple data views, and centralized data governance into a single ecosystem.

PHSA acquires laboratory and pathology data including personal health information (PHI) from a range of data providers (e.g. Ministry of Health) across the province of British Columbia. This data is rapidly transferred into PHEMI HEALTH DataLab for analysis and reporting, serving a variety of users including data scientists, data analysts, coders/programmers, and system administrators.

While protecting sensitive personal health information (PHI) and personally identifiable information (PII), PHEMI's strict attribute-based access control capability provides PHSA the ability to have total control over access to data sets and data views on a need-to-know basis.