



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.