Integrated Health Informatics Datalab (IHID)
Automating Access to Data for Research

Fall 2023: FREE Access to Data for PHC Researchers for a Limited Time

Providence Research and PHC Ventures have partnered to give Providence Research affiliated researchers free access to the Integrated Health Informatics Datalab (IHID). This new platform collects, analyzes, de-identifies, links, and shares health data from many sources within a secure, cloud-based custom lab environment.

This made-at-PHC platform increases research capacity by providing:
- Fast access to quality data sets
- Repeatable, auditable way of providing access to PHC data
- Tools, support services, storage, and access to specified data.

Cost: Free for PHC-affiliated researchers

Submit Your Project: phcventures.ca/IHID
- Applications are accepted on a rolling basis
- Project application review is ~4-8 weeks

IHID Benefits	
Old World: Current Health Data Market	**New World:** IHID
✕ Data acquisition required from multiple sources	✓ One access point
✕ Manual de-identification and data linking	✓ Time saving: fast access to high-quality data sets
✕ DIY Approach	✓ Cost-effective, full service
✕ No specific storage platform	✓ Safe, long-term storage
✕ Lack of cloud systems	✓ Cloud-based
✕ High Risk: Responsible for own security	✓ Low Risk: Secure environment

Providence Research Package

This set of features is meant to enable researchers to quickly show promising early stage research.

- **If this package does not work for your project, please continue to fill out the intake form, here or contact Alex Nguyen, Business Development Manager, Corporate Development, PHC anguyen26@providencehealth.bc.ca to discuss customization.**

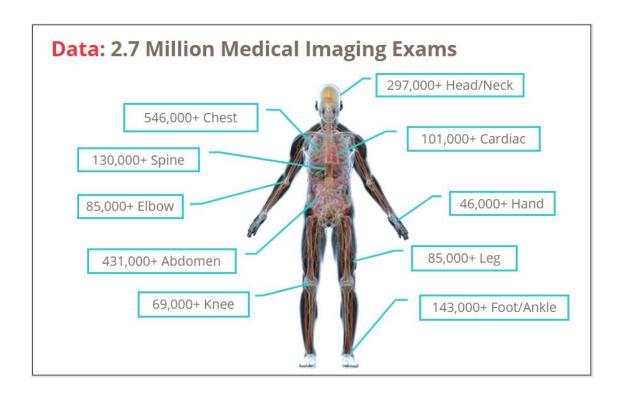| Standard Project Package: Providence Research Data Services and Consulting	
Included in each project:	
Project set up	- Begins on receipt of signed agreement - Creation of virtual environment including any virtual machines necessary for the project, and the airlocks in which data will enter and leave the environment - Setup user accounts - System training for users on the environment and tools - Ingest project data and link data, do queries to assemble data from PHC (EHR, imaging data)
Standard IHID documentation to include in REB application	- Standardized documentation to include about IHID to attach to application (not editable) - Developed specifically for the REB to ensure consistency
Max 250 unique patients: clinical and imaging data	- Clinical and imaging data, and other data as made available (ex. Omics) - Data catalogue available by request to info@phcventures.ca
BYOD: Ingesting and linking data files [1 file]	- Can include Omics data – or any data - Aggregate files must not exceed the active project storage provided (300GB)
System technical support	- Support with accessing system remotely - Resolving technical issues with tools - Support with data, organization, etc. - Support with data ingestion and egress
1 Researcher user account in virtual environment for 6 months	
Standard tools: Including R, Python, Jupyter, DICOM Viewer	
16 GB RAM & 300 GB storage	
Project duration of up to 6 months	

Additional details:

- Platform will be continually improved: PHC Ventures is adding more features all the time as the platform is upgraded
- Upon request, a compute only option in IHID may be available.
- BYOD: Aggregate files must not exceed the active project storage provided under each option.

Data: PHC data is available from 200,000+ distinct patients

- Clinical data: access to individual de-identified PHC clinical data records
- Imaging data: medical images related to identified patient cohort (images and reports)
- 5+ Year Timeline: Most recent 5+ years of retrospective in-hospital de-identified patient records
- Routine & Specialty Care: Specialty and Provincial Programs (Cochlear Implants, Cystic Fibrosis, Cardiac, etc.) and Populations of Focus
- Geography: Drawn from care delivered at Providence Health Care facilities in Metro Vancouver (St. Paul's Hospital, Mount St. Joseph's Hospital, and Holy Family Hospital)
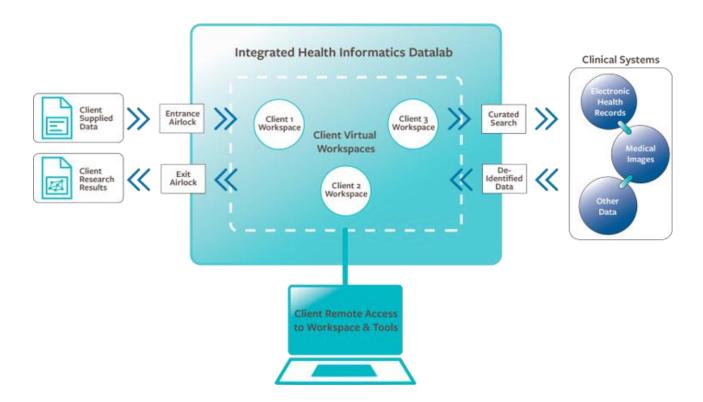- Data is refreshed based on the needs of researchers.

Request Full Data Catalogue: info@phcventures.ca

Data: 2.7 Million Medical Imaging Exams

- 297,000+ Head/Neck
- 546,000+ Chest
- 101,000+ Cardiac
- 130,000+ Spine
- 85,000+ Elbow
- 46,000+ Hand
- 431,000+ Abdomen
- 85,000+ Leg
- 69,000+ Knee
- 143,000+ Foot/Ankle

Platform View:

QUESTIONS?

Please reach out to us:

- **Alex Nguyen, Business Development Manager, Corporate Development, PHC**
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- OR: info@phcventures.ca