GENOME-SpecTRA Project

<u>Spec</u>trometry in <u>T</u>IA <u>Rapid Assessment</u>



Kaitlin Blackwood, Clinical Research Assistant

Jaclyn Morrison, Project Manager







GOALS OF THE PROJECT

Goal One:

Develop an inexpensive blood test that can be used in the ED to identify patients with TIA.



Goal Two:

Develop a clinical decision support tool that is driven by both clinical and proteomic algorithms.

Clinical Information

(from clinician assessment & the patient's story)

Proteomic Information (from blood test)







MULTIPLE STUDIES

Study 1 Verification

Recruitment Completed

- Protein Identification
- 560 patients

Study 2 Validation

Recruitment Underwa

- Validate Protein List
- 1200 patients



Study Planning Underway

- Testing of the Tool
- 2000 patients





MULTIPLE SITES



Nanaimo Regional General Hospital



Victoria General Hospital

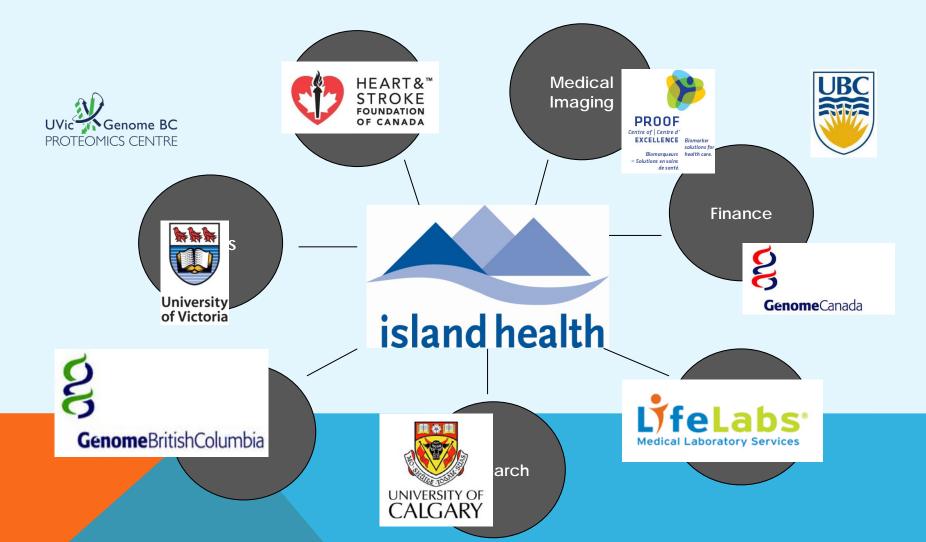


Royal Jubilee Hospital



Foothills Medical Center

MULTIPLE COLLABORATORS



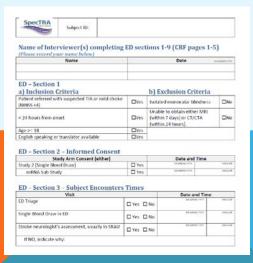
Over 40 individual and institutional collaborators.

PROJECT DATA COLLECTION

CLINICAL DATA

- Paper based (source document)
- ~20-25 pages of data per patient
- CRF is completed by physicians, nurses and clinical research assistants

Case Report Form (CRF)





PROTEOMIC DATA

- Analysis completed at the UVic-Genome Proteomic Center
- Many data points for every sample (large protein panel)
- Prepared as Excel files





AUDITABLE

HOW & WHY DO WE USE REDCAP?

EXTRACTABLE

ACCESSIBLE

CENTRALIZED

REPUTABLE

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MULTISITE PATIENT ENROLMENT



Nanaimo Regional General Hospital



Victoria General Hospital



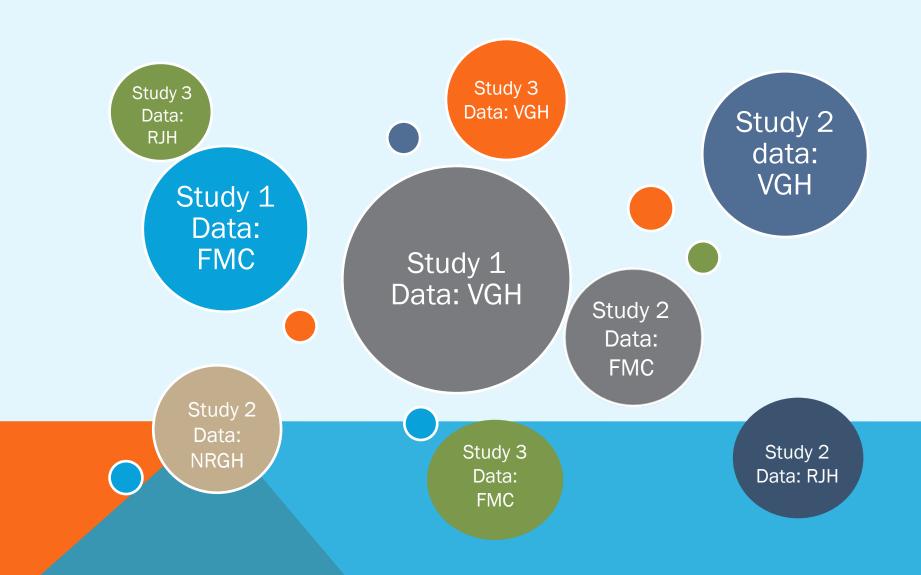


Foothills Medical Center



Royal Jubilee Hospital

CENTRALIZED BACKDROP FOR DATA



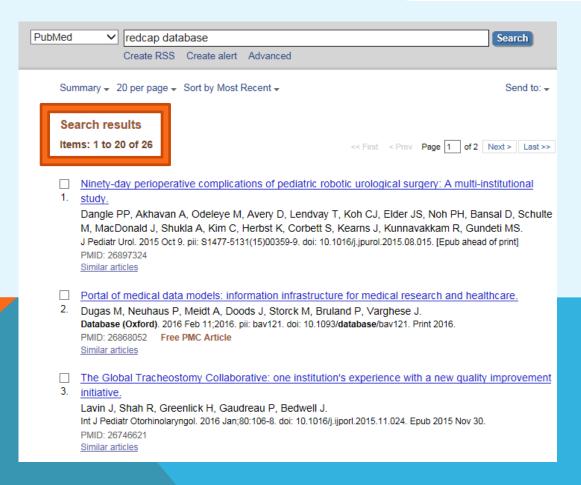
CENTRALIZED BACKDROP FOR DATA



REPUTABLE







ACCESSIBLE: Secure, Web-Based Interface





USER PERMISSIONS

- (i) Different permissions can be given to different team members
 - From Read-only to full view of data and user management

"Data access groups (DAGs)"

Role name (click role name to edit role)	Username or users assigned to a role (click username to edit or assign to role)	Expiration (click expiration to edit)	Data Access Group (click DAG to assign user)	Project Design and Setup	User Rights	Data Access Groups	Data Export Tool	Reports & Report Builder	Graphical Data View & Stats	Calendar	Data Import Tool	c
_	jmorrison3 (Jaclyn Morrison)	06/30/2016	_	×	✓	✓	Full Data Set	✓	✓	×	✓	
_	Ilu (Linghong Lu)	12/31/2016	_	×	×	×	Full Data Set	×	×	×	×	
_	mbibok (Maximilian Bibok)	12/31/2016	_	✓	V	✓	Full Data Set	✓	✓	✓	✓	
_	vespinosa (Victor Espinosa)	never	_	✓	V	✓	Full Data Set	✓	✓	✓	4	
Data Canadinatas	ckenney (Carol Kenney)	05/31/2015	Calgary	x x	•	×	Full Data Set	*	*	×	~	
	EKlourfeld	06/30/2016	Calgary									
Data Coordinator	kblackwood (Kaitlin Blackwood)	08/10/2016	_		^	^						
	LBilston (Lisa Bilston)	02/02/2016	MovedToStudy2									
Data Entry	jlcook	08/10/2016	Victoria	×	×	×	Full Data Set	✓	✓	×	×	
Neurologists	APenn	06/30/2016	Victoria	×	×	×	Full Data Set	~	4	×	×	
	ATrivedi (Anurag Trivedi) [account suspended]	08/31/2016	Victoria									
	SCoutts	05/31/2016	Calgary									
Project Managers	kvotova (Kristine Votova)	05/31/2016	_	×	×	×	Full Data Set	V	4	×	×	

(ii) Reminders to review the User Access Dashboard:

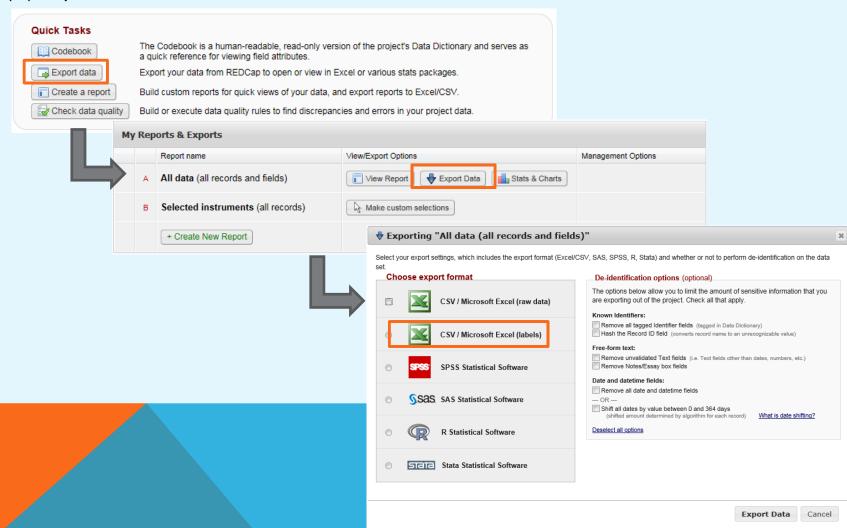
ATTENTION REQUESTED: You last accessed the User Access Dashboard 50 days ago. It is recommended that you access the User Access Dashboard at least once a month to review which users still have access to your projects.

Go to User Access Dashboard

(iii) Automatic suspension of accounts due to inactivity

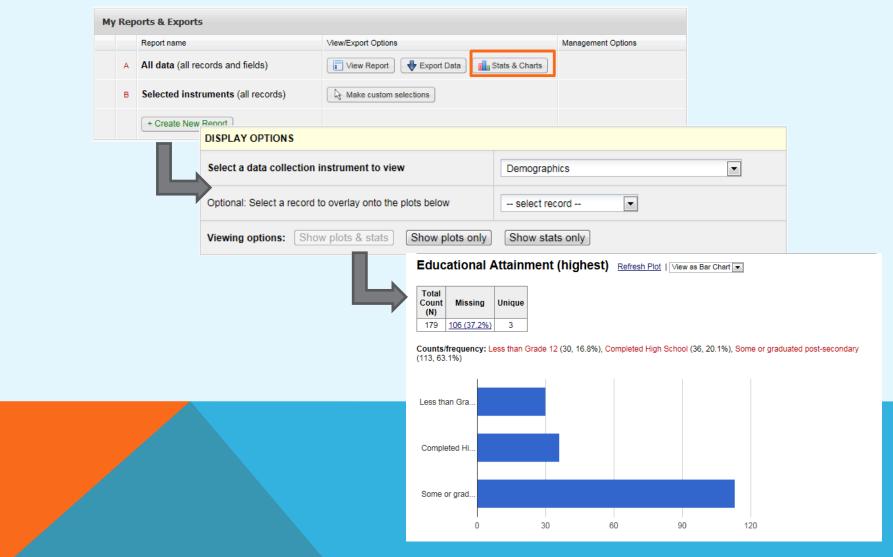
EXTRACTION ABILITY

(1) Export Data:



EXTRACTION ABILITY

(2) Create a Report



DOUBLE DATA ENTRY (DDE)





Subject_id	cta_dn (set A)	cta_dn (set B)			
1	0	0			
2	0	0			
3	1	1			
4	0	1			

AUDIT INFORMATION

- Compliant with Good Clinical Practice
- If you accidently overwrite a data point, you can look back and find your earlier data value.



EXCELLENT SUPPORT TEAM



Hats off to Victor & Nathan!

- Phone/email support
- User training
- Database back-up



THANK YOU!



Island Health REDCap Day March 3, 2016