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HIGHER ED & RESEARCH TECH SUMMIT

Stories From the Frontline:

Creation of a Data Management Team During the Covid-19 Pandemic

Agenda

- Who are we?

- Canvas Covid-19 Vaccine Research
- Pandemic Drug Trials
- Reflect / Lessons learned / What's next for us?

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Key Messages…

- Taking an integration approach
  - One solution cannot rule them all…
  - REST FUL Web Service – Secure communication Channel between databases, can be in any programming module
- Research is different…

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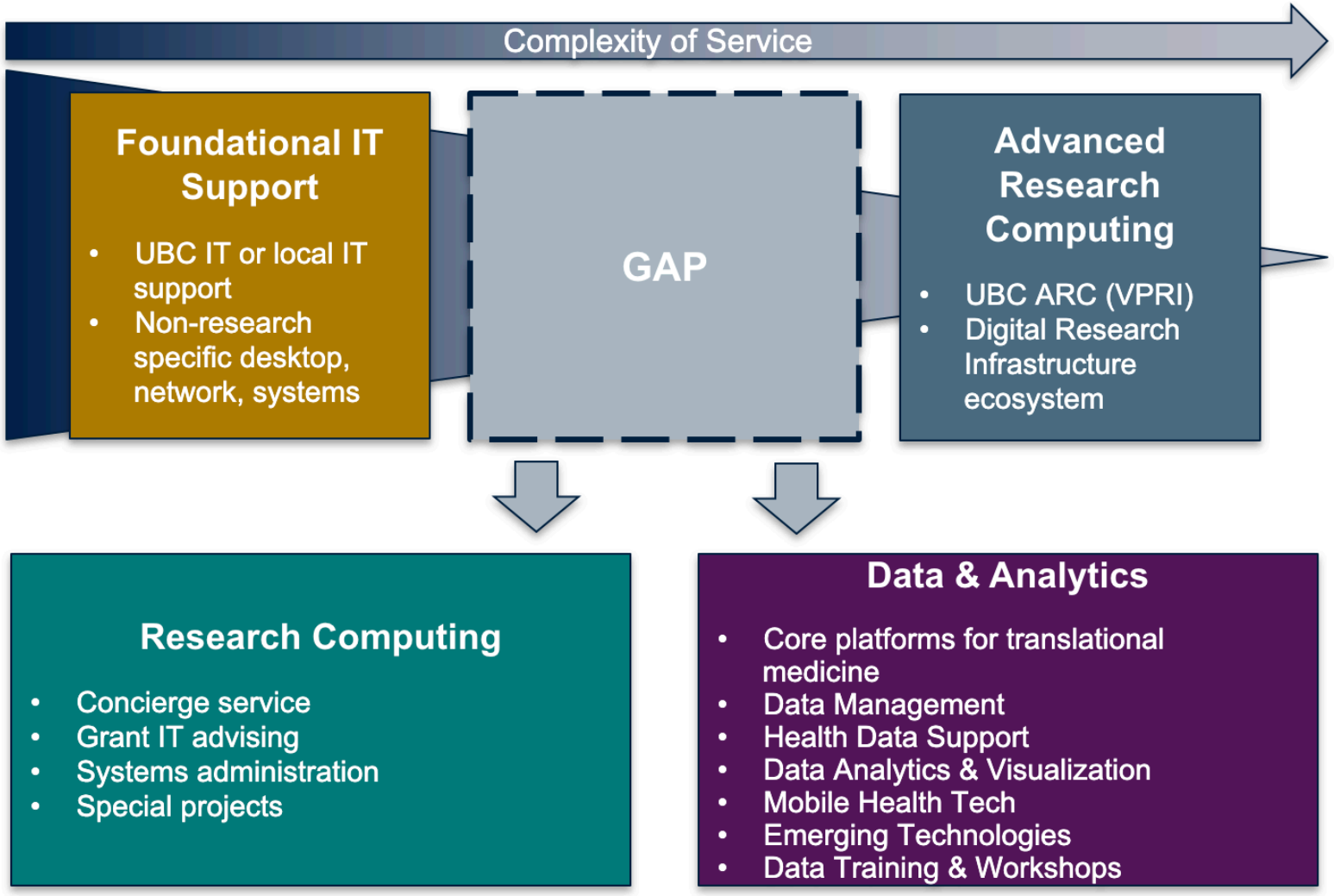
Who are we?

Now…

Then...

And why do we exist…



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Let's hop into a time machine

NEWS

FUMANO

Hundreds of rental homes on the line at hearing A6

KITSILANO

First Nation approves housing project A9

NP

TIME TO CRACK DOWN ON RECOVERY HOMES

Legislation, enforcement of tougher rules needed now to protect vulnerable residents

DAPHNE BRAMHAM

If ever there were a need for more harm reduction, it's at the registered and unregistered, licensed and unlicensed addiction recovery houses in British Columbia run by operators who have no regard for residents' health or safety.

Within the last year, five people have died in provincially registered recovery homes. Two of those deaths occurred in the last three months.

On Dec. 1 — years too late for too many — new legislation and regulations finally came into effect. But they apply only to operators on the provincial Assisted Living Registry and not to those licensed by the local health authorities. There is also no provision to shut down those that are operating illegally. On its website, the Health Ministry does list 26 unregistered houses that it has received complaints about.

But people in the recovery community say it's only the tip of the iceberg.

The regulations themselves are "thin," according to Carson McPherson, the chair of the B.C. Centre on Substance Use's recovery committee.

"They're easy to work around. There's no real specificity anywhere," said McPherson.

"There are no specific requirements for level of staffing qualifications tied to prescribed services. If you're delivering trauma-informed services, you ought to have someone qualified. But that doesn't exist (in the regulations)."

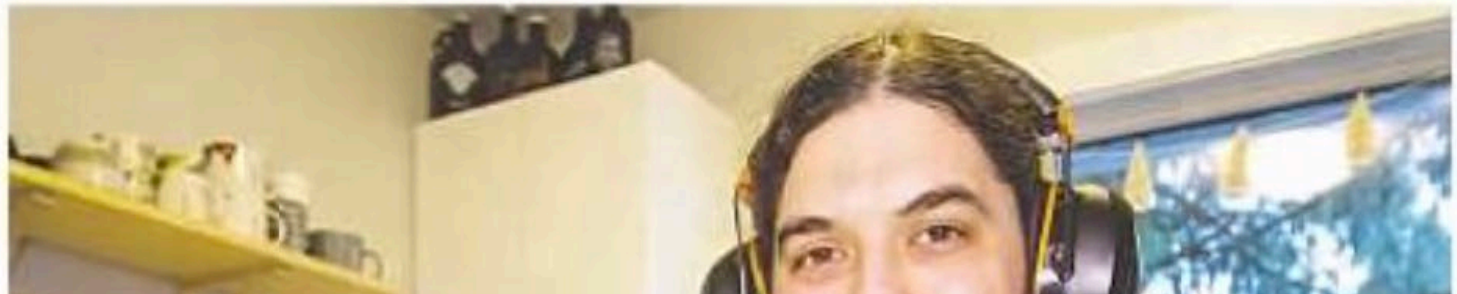
Prior to the regulations coming into effect, the Addictions Ministry provided $4,000 grants to operators for 16 hours of staff training.

But McPherson argues that's hardly enough.

"You're dealing with health care and life-and-death situations."

Beyond that, what's been left in place is a confusing system that's almost impossible for recovering addicts and their families to navigate.

SEE BRAMHAM ON A10



Council weighs four options for trimming 2020 budget

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PER THE NBA TONIGHT'S GAME HAS BEEN POSTPONED.
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We Energize Life
Loves
LOUD CITY
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WELCOME TO
HOMELAND
StateFarm

NEWS

SHOOTING

Toddler found 'ammunition' on street, mom testifies *A2*

COURTS

Sidoo to plead guilty in college exam scandal *A3*

CITY

Spring break starts early as several schools close *A4*

WORLD

Pandemic declared, Trump bans travel from Europe *NP1*

CANADA

As many as 26 million could be infected, Ottawa warns *NP3*

SPORT

NBA sus
NHL eva
options

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SPORT

NBA su
NHL ev
options

Coronita
Extra
Premium
Towel

LiSa's
Nail Bar
Tel: 01492 203630
Nail Bar
Meliden
Pedicure
Manicure
THE ALBERT
TO LET/MAY SELL
mason owen
Cats Protection
charity shop
CATS
03000 12 12 12
www.cats.org.uk

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Quick Experiment...

PELOTON

PELOTON

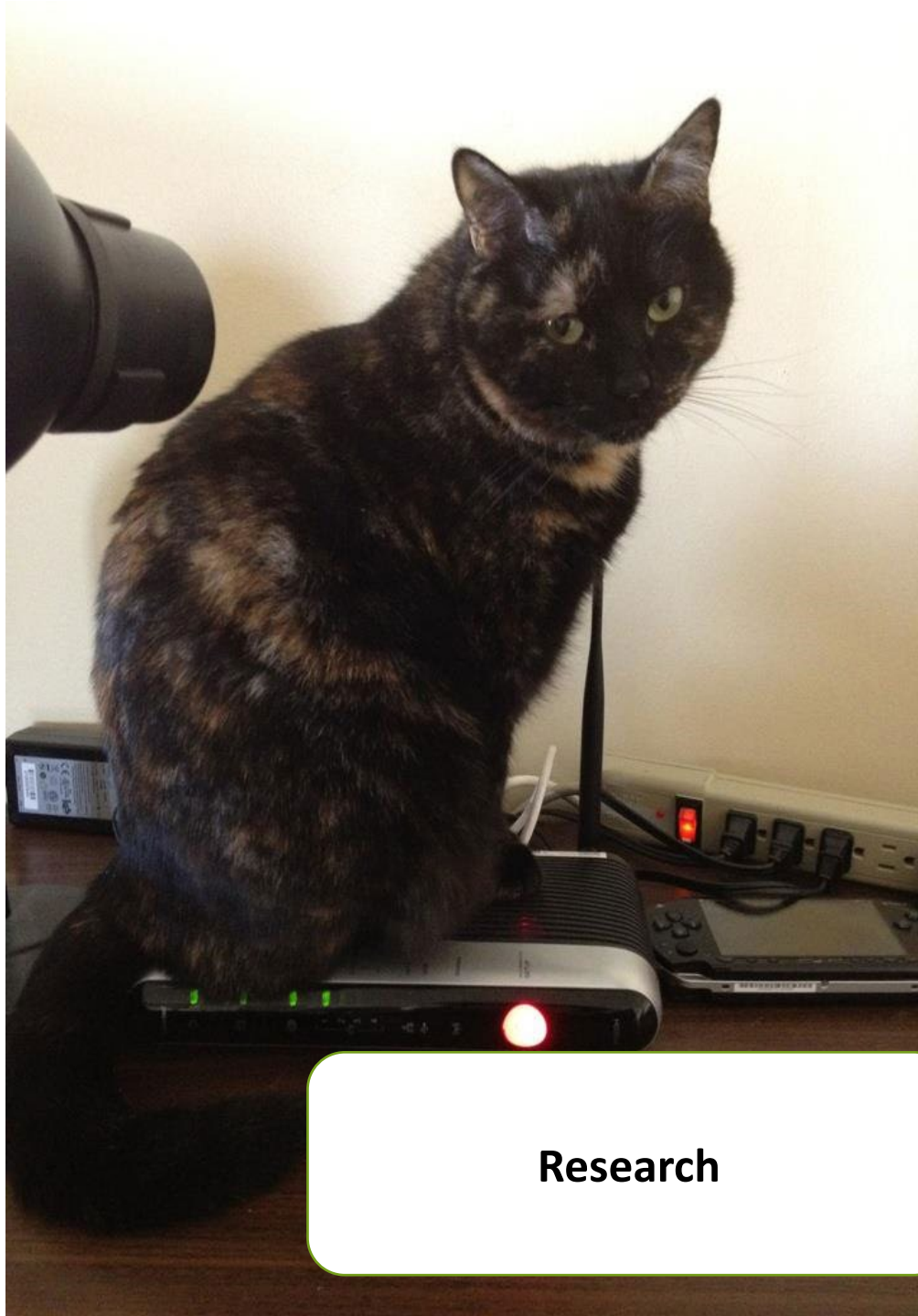
56
Baking
35
Bread

COVID-19

One last thing... Research Projects are unique

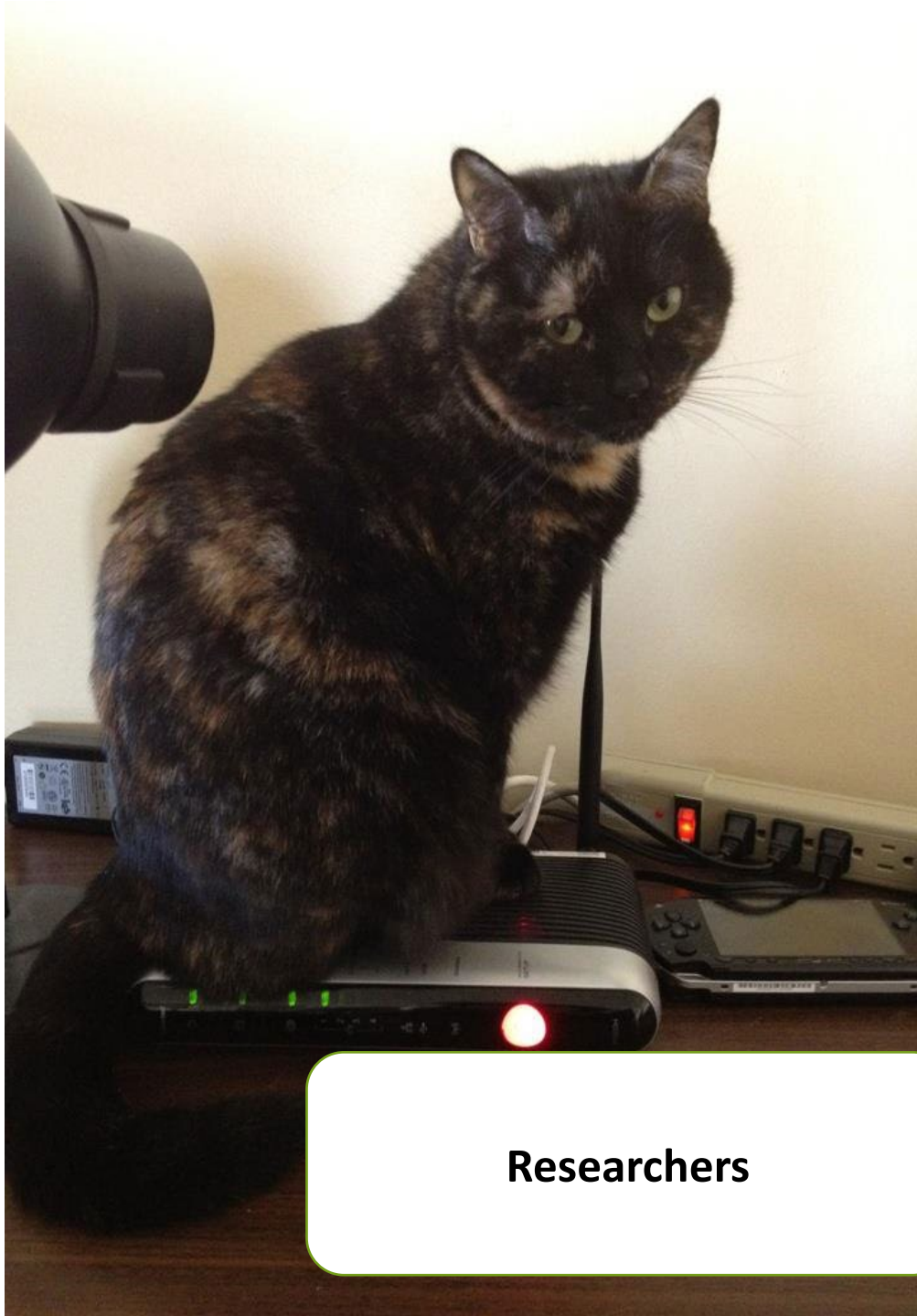
Project Management

Project Management



Research

Project Management

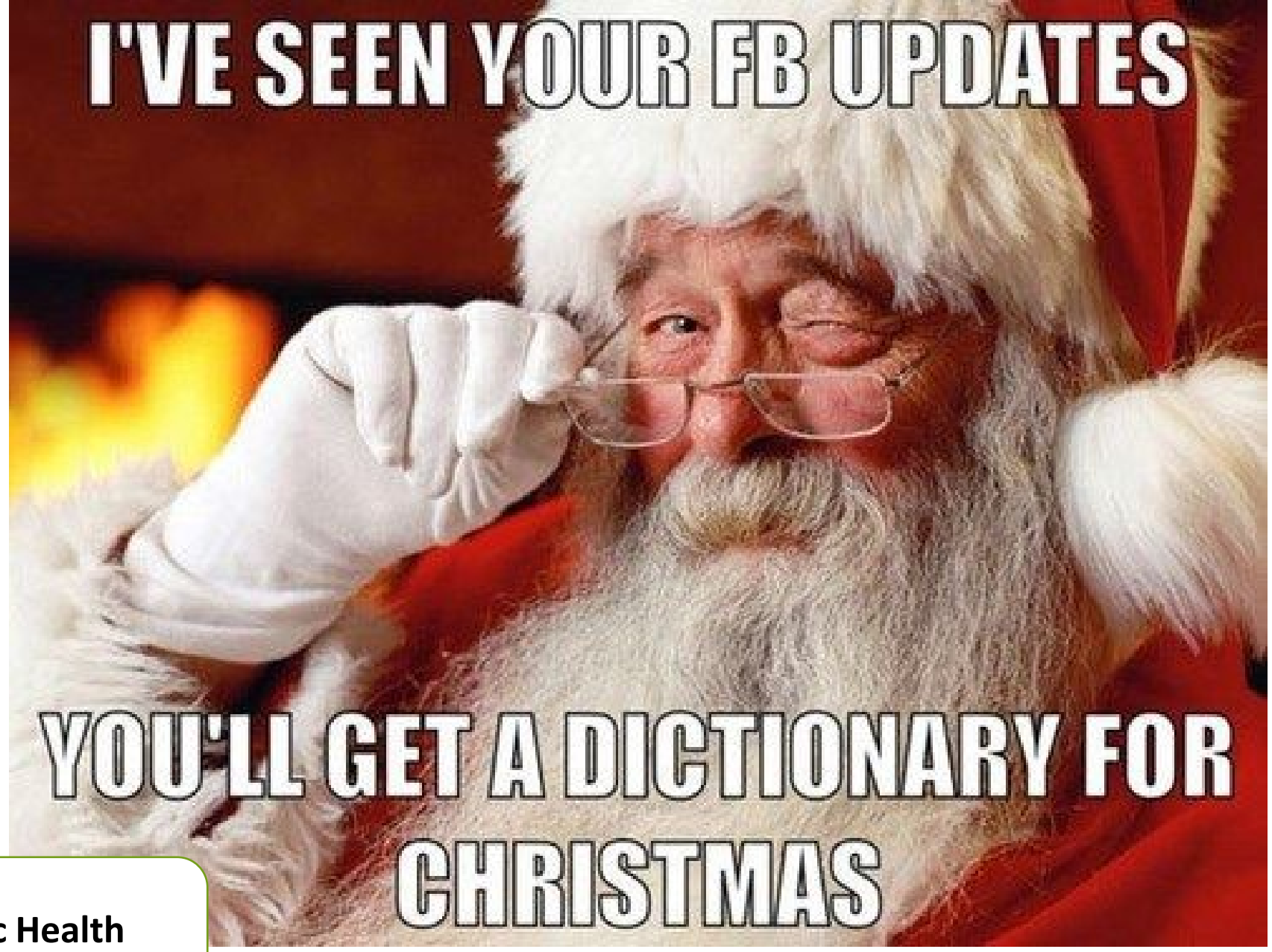


Researchers

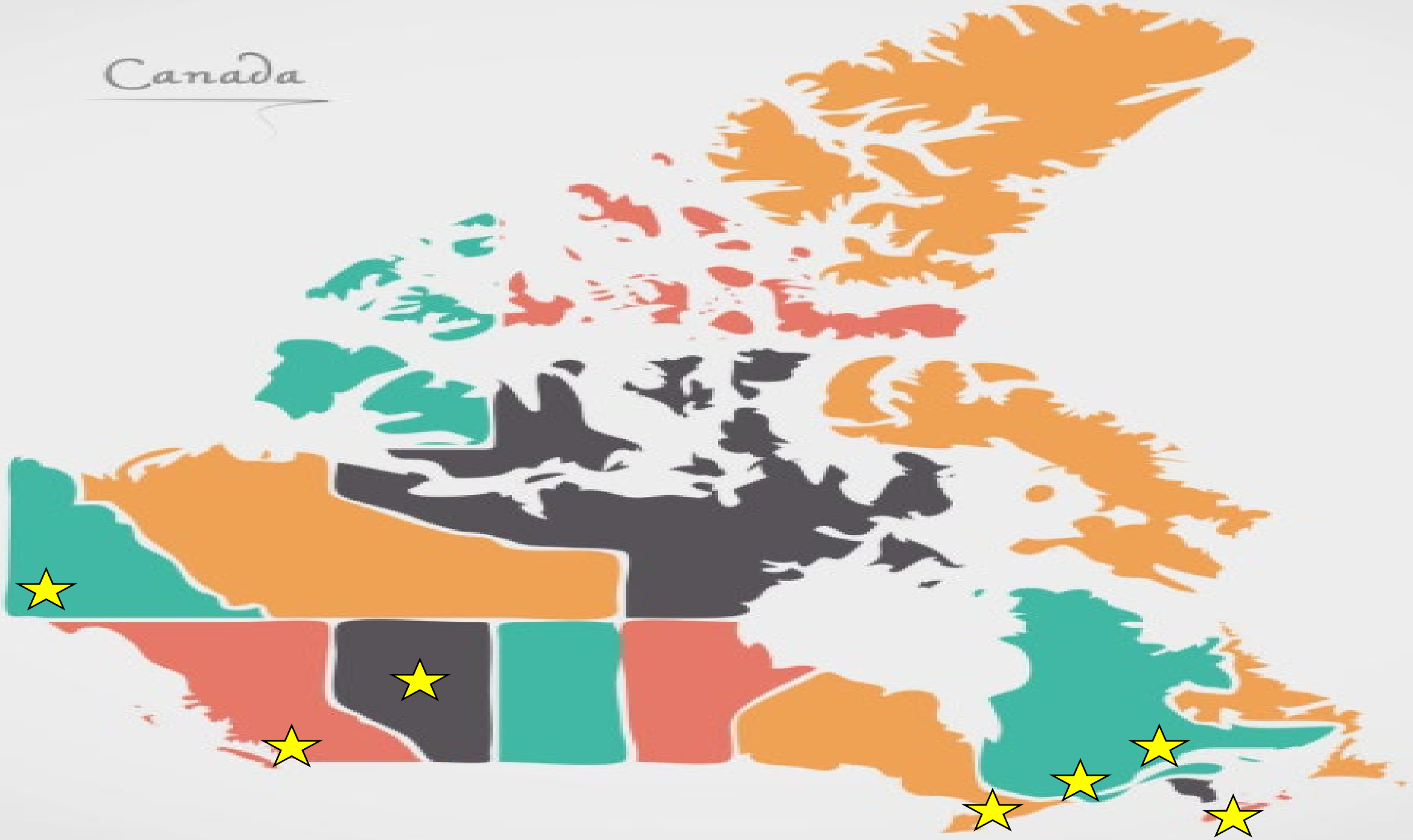
CANVAS Covid-19 Vaccine Research

Coordination Centre
Vaccine Evaluation Center

CANVAS History

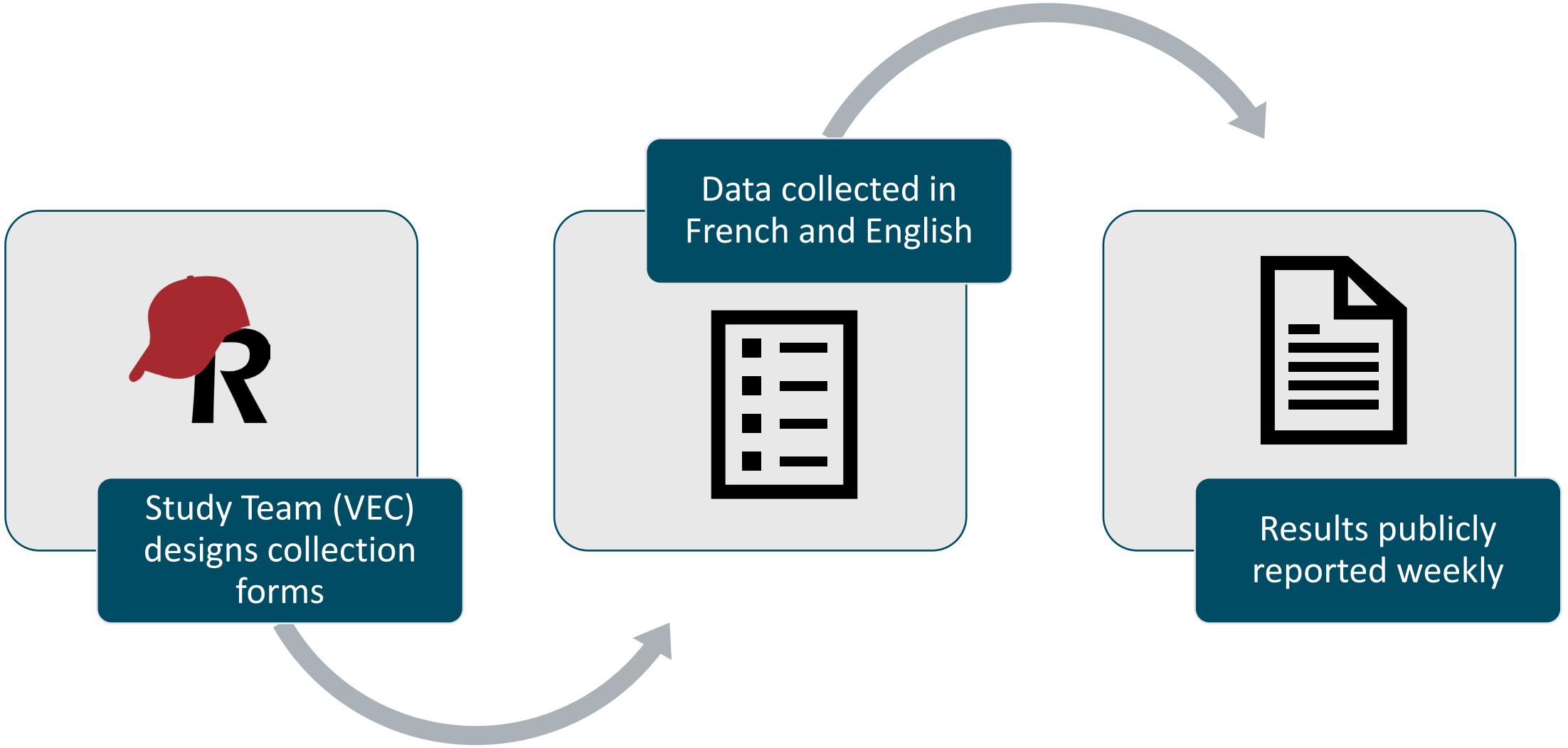


What is Public Health Surveillance?


Canada

Participating Institutions & Partners

The (ideal) Process:



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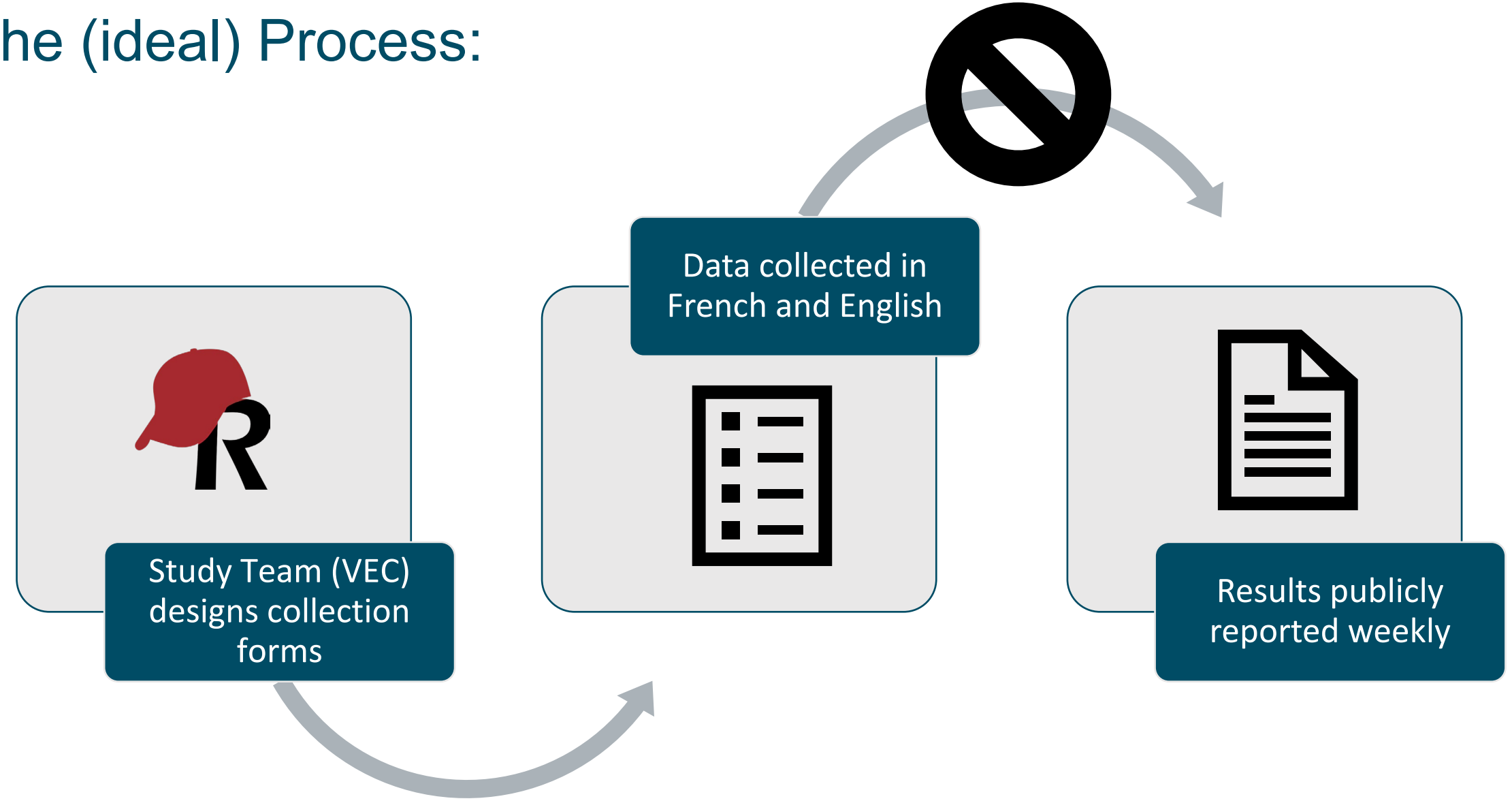

The Manual Problem

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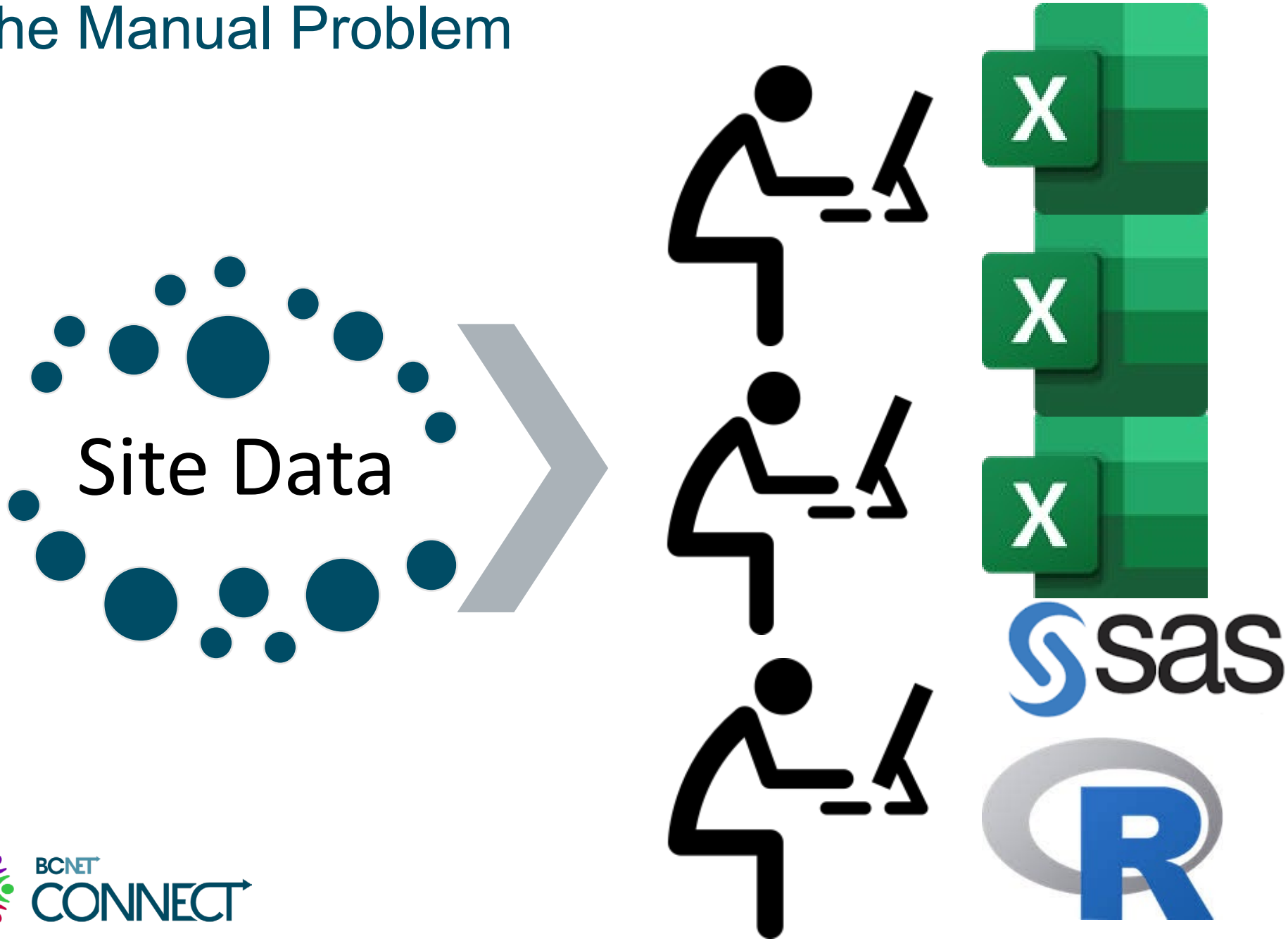
The Manual Problem



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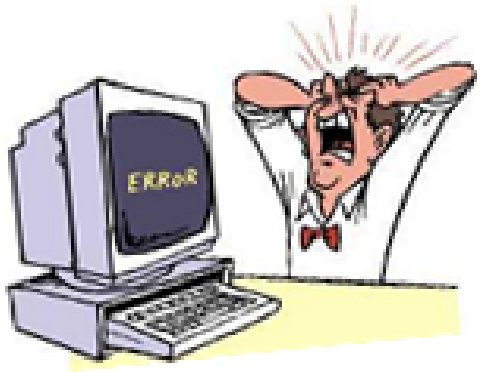
The Manual Problem

Site Data



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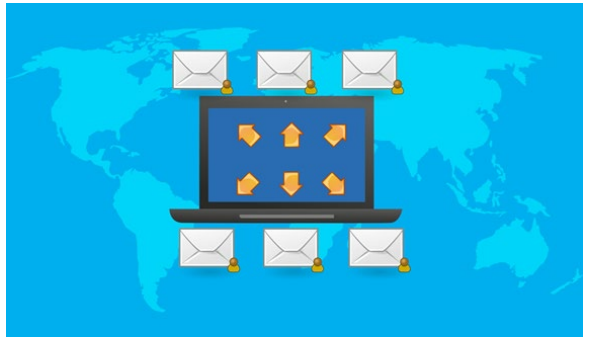
The Manual Problem

AUDIT ?

Site Data

Report



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Where we landed…

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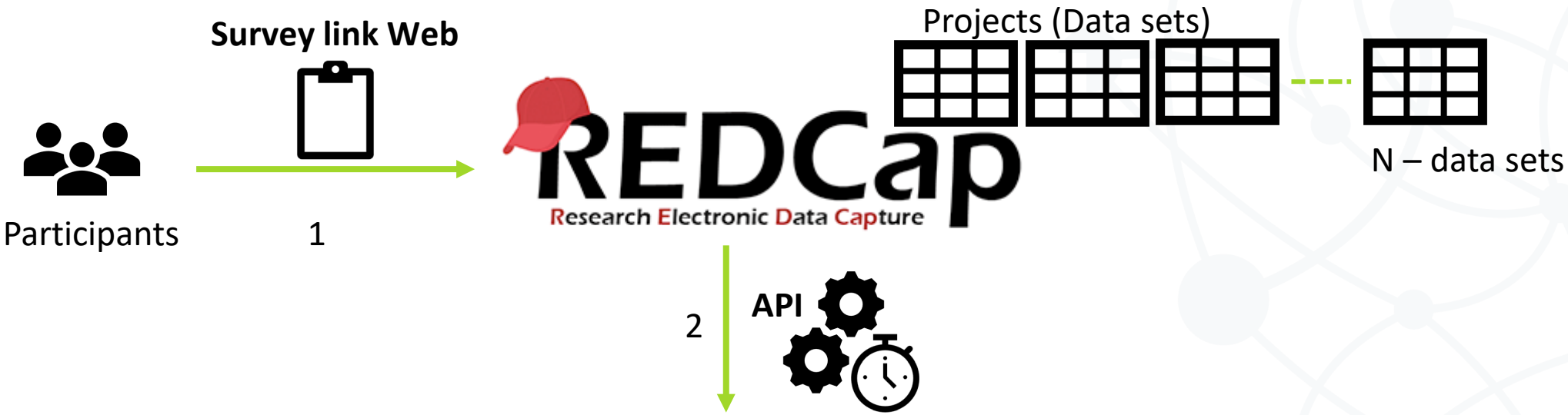

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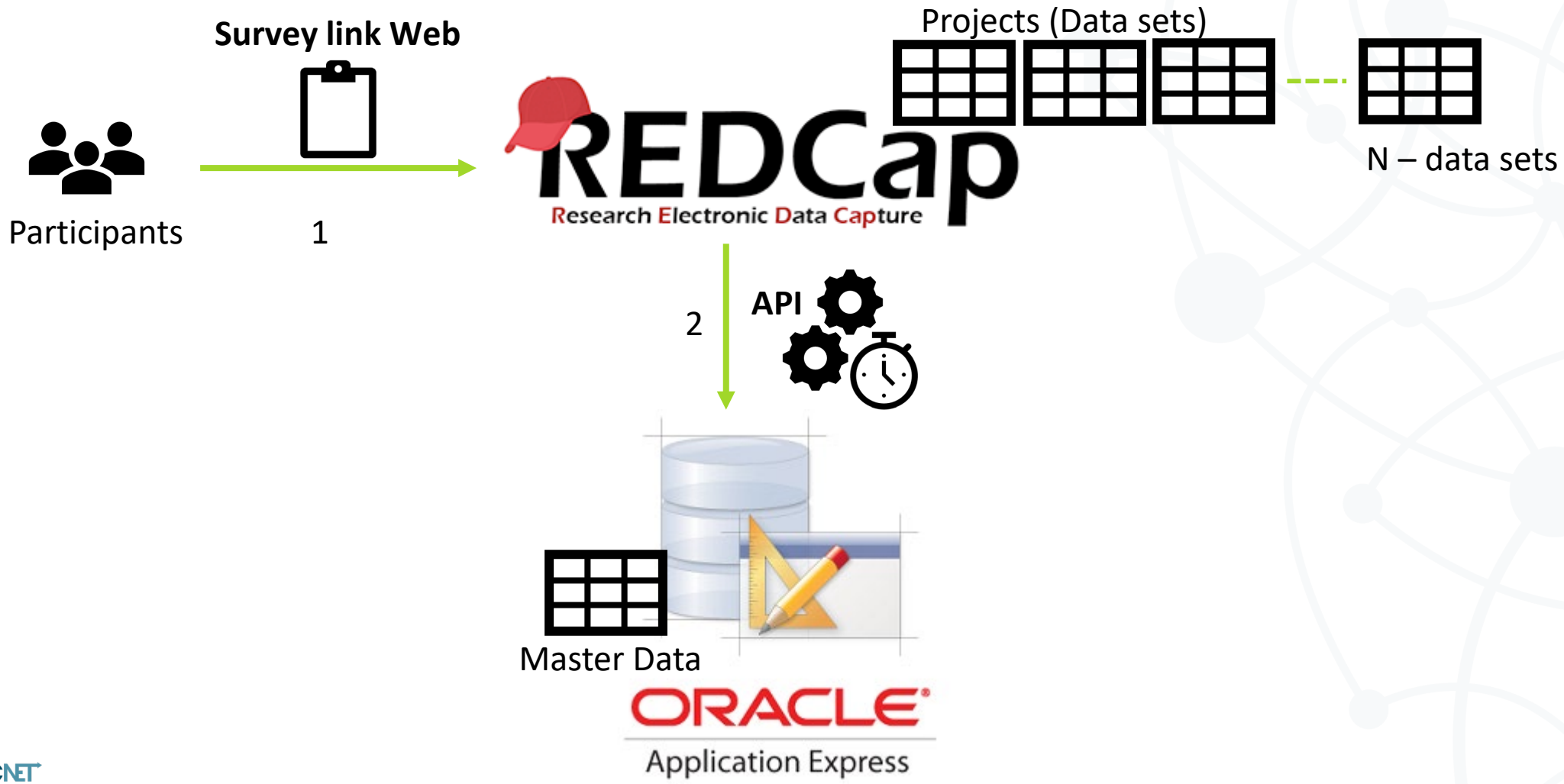

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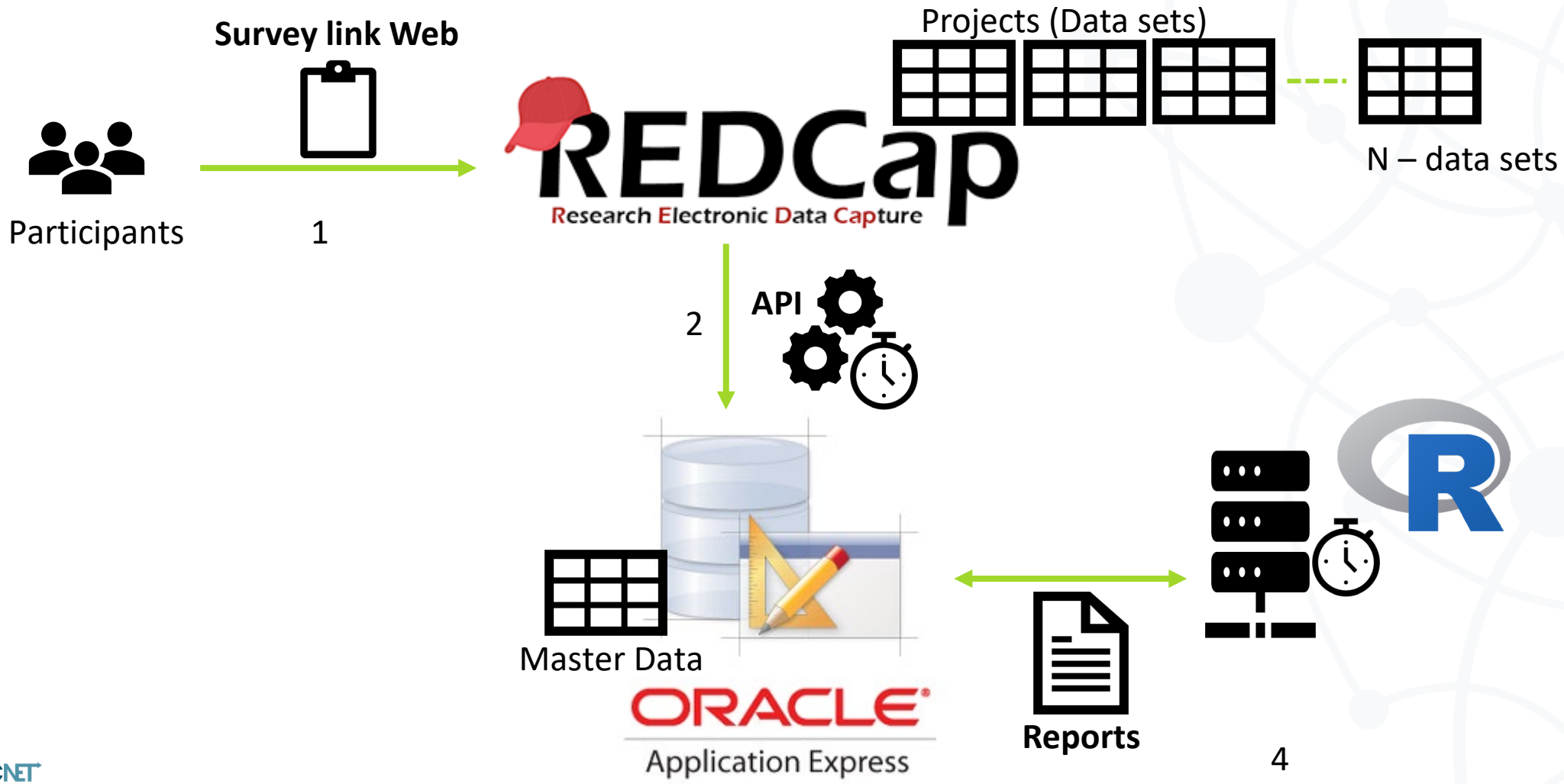

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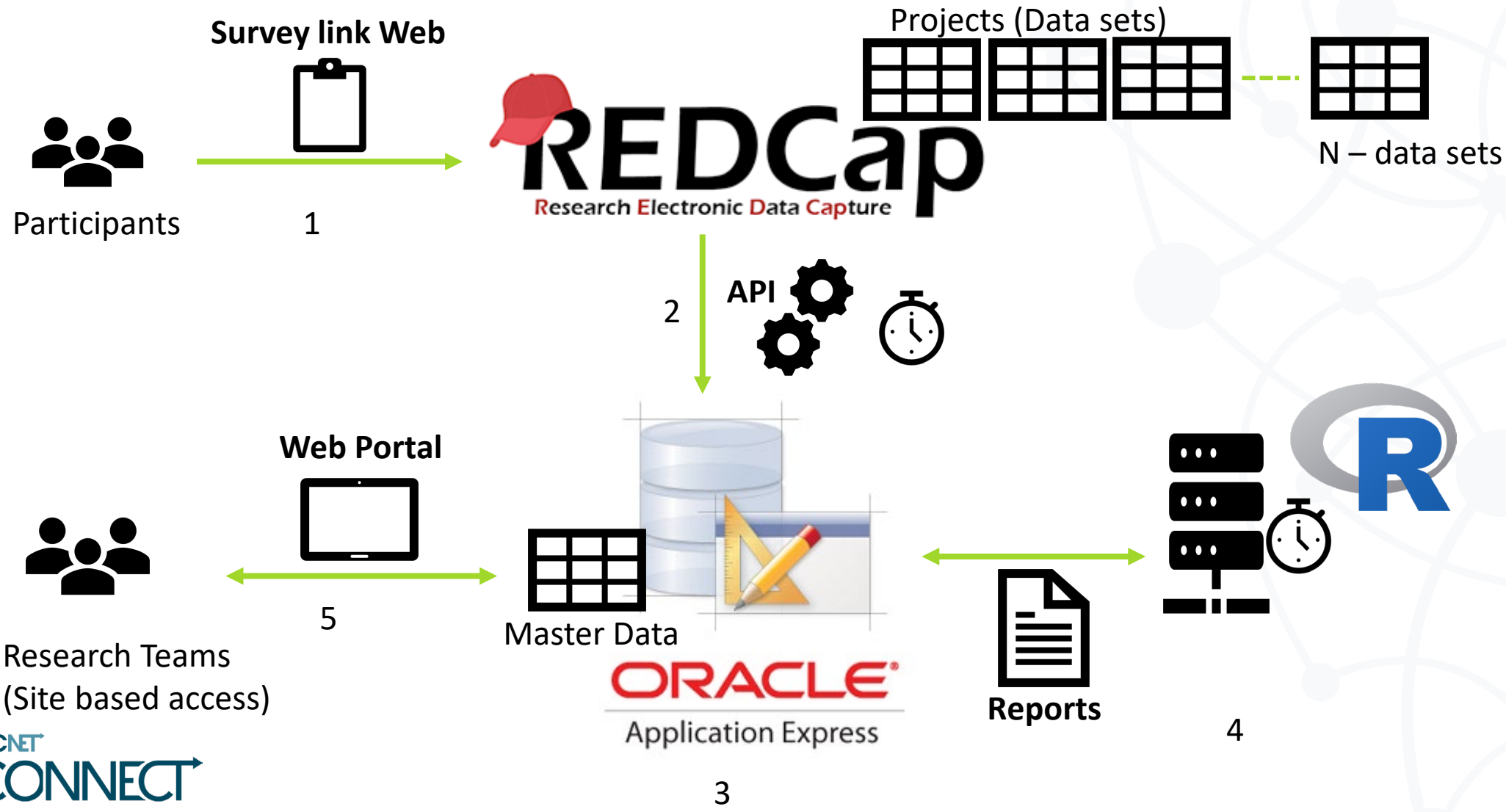
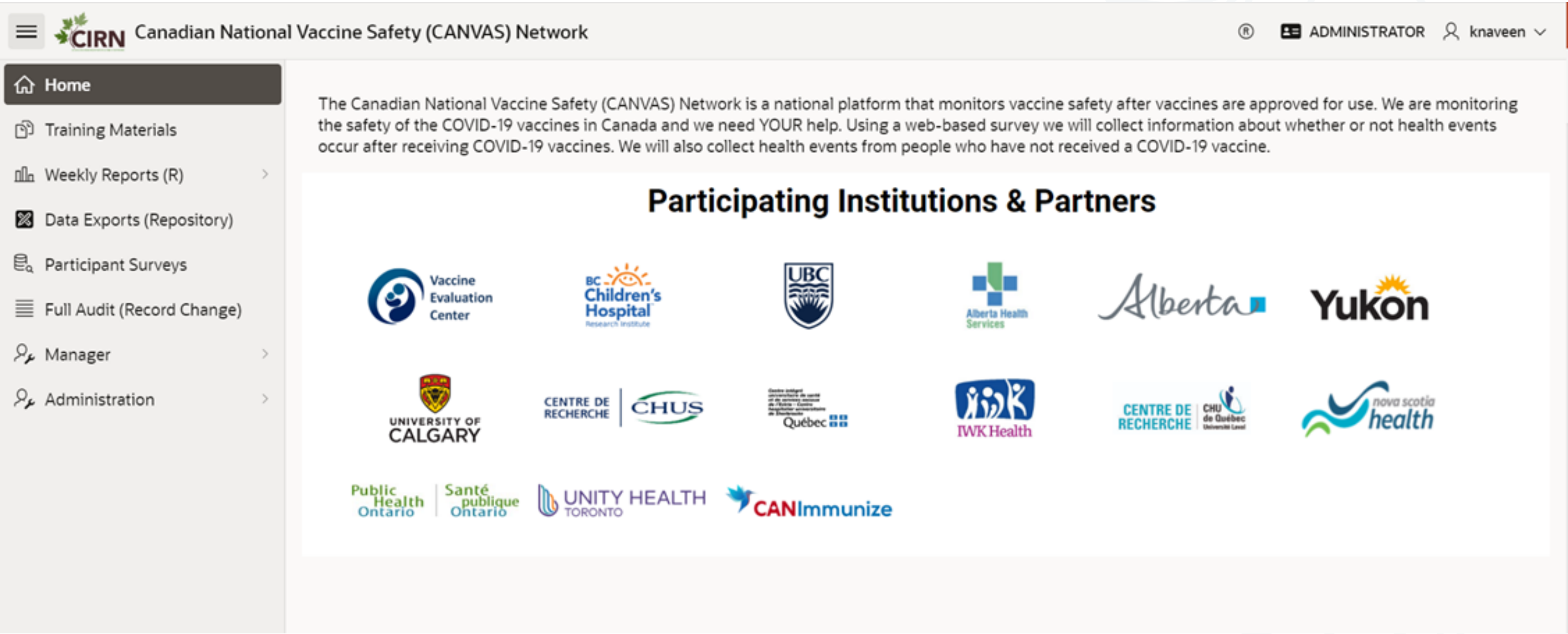
Where we landed…



Application screens



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CIRN Canadian National Vaccine Safety (CANVAS) Network

ADMINISTRATOR knaveen

- Home
- Training Materials
- Weekly Reports (R)
- Data Exports (Repository)
- Participant Surveys
- Full Audit (Record Change)
- Manager
- Administration

Training materials

Site	Filename	Download	File Comments
QC1	CANVASCOVIDFLUQC1VaccineeImpor_DataDictionary_2023-01-13.csv	Download	CANVAS-COVID/FLU QC1 data dictionary
	CIRN35-1177 APEX field dependencies.xlsx	Download	Oracle APEX dependencies
	CIRN42-157 Oracle APEX training video.mp4	Download	Oracle APEX training video
	CIRN35-1176 APEX User's Manual V1.pdf	Download	Oracle APEX User's Manual

1 - 4

videos-1

videos-2

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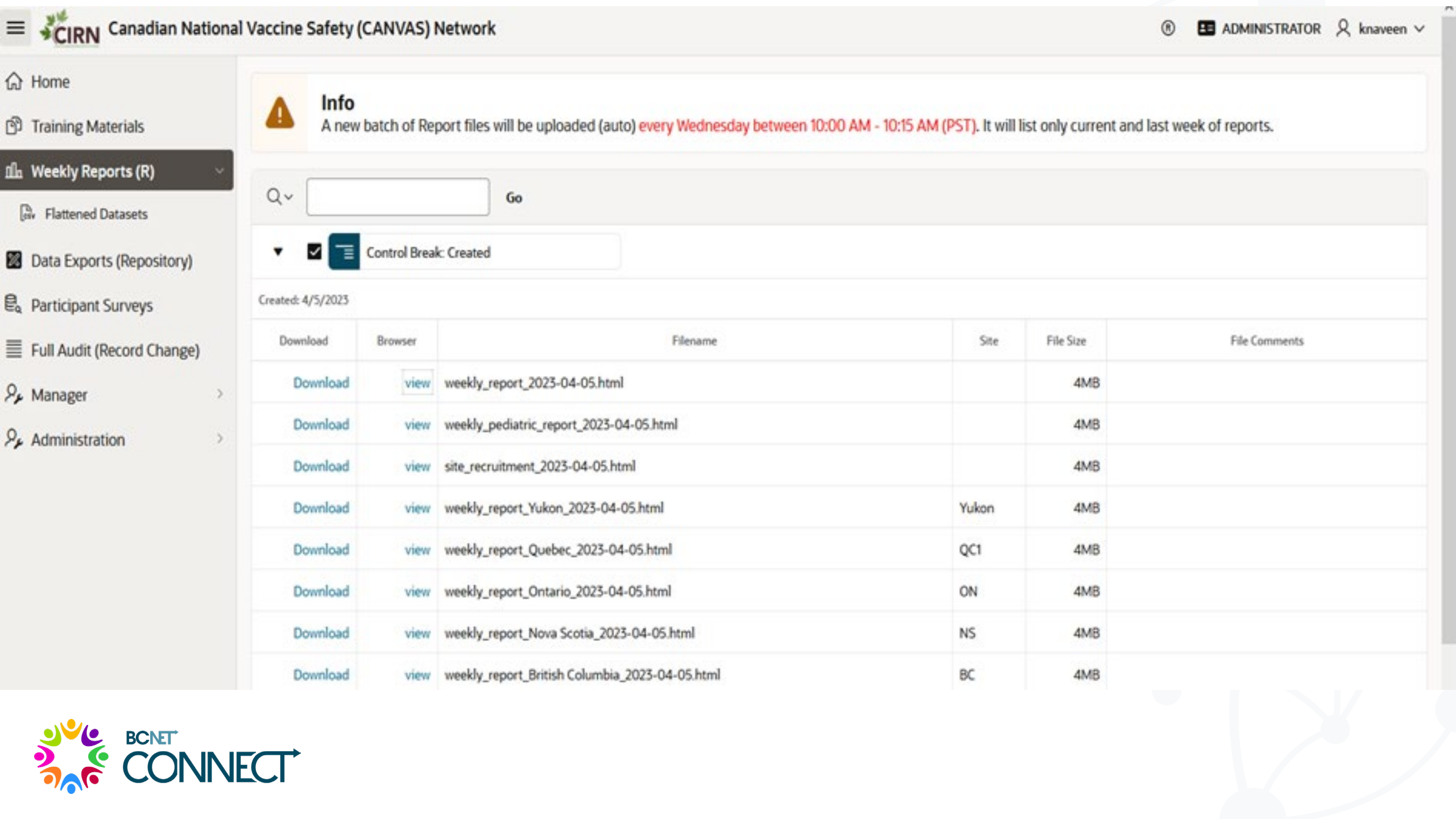

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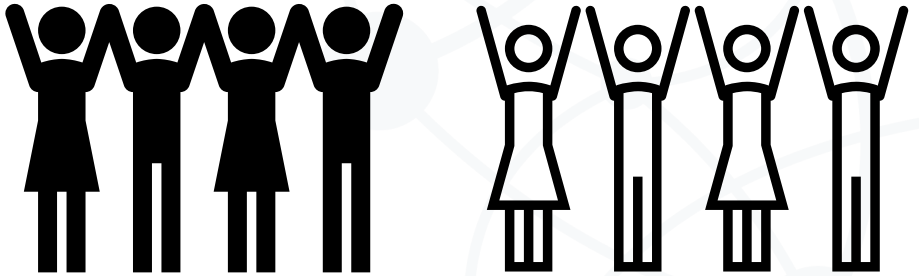
Pandemic Drug Trials

Bamlanivimab

Bam+lan+e+v+mab

News Clip

Peloton Didn't Know *Sex and the City* Would Use Bike as Murder Weapon



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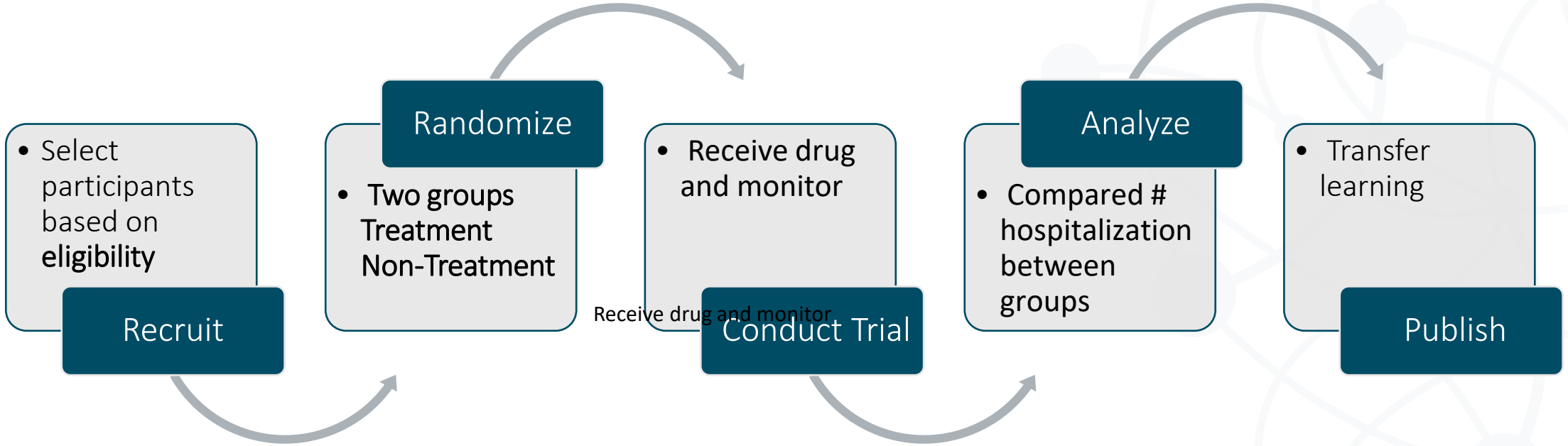
The (ideal) BAM process



Research struggles during Covid-19

Consent

Drug
Distribution

How to view and use
Data to make decisions

Research struggles during Covid-19

Consent

Electonic Consent

Drug Distribution

Electonic Instructions

How to view and use Data to make decisions

Live dashboards

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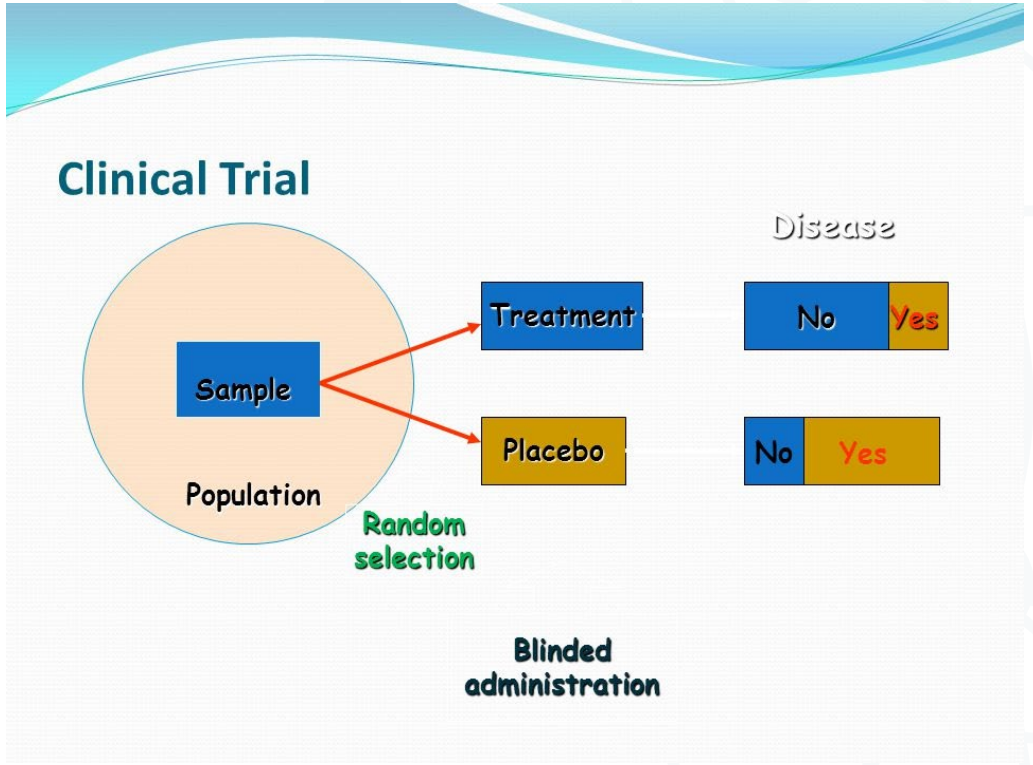
How we overcame these struggles...



THE UNIVERSITY OF BRITISH COLUMBIA
Faculty of Medicine

fraserhealth
Better health. Best in health care.

REDCap
Research Electronic Data Capture

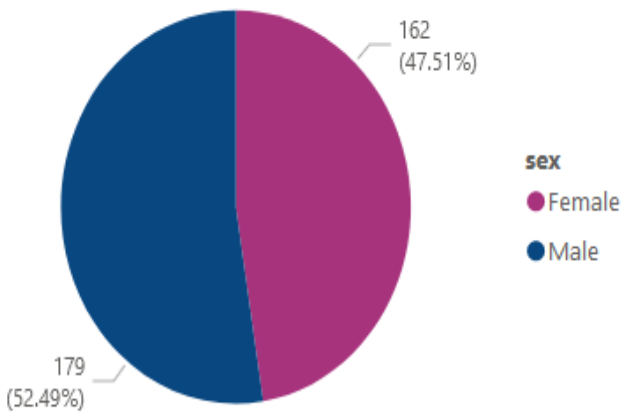
Group
- Control
- Treatment

Period of Study
- Period 1
- Period 2
- Period 3

Patient Infusion
- No
- Yes

Total Records	Consent? Yes	Group - Control	Group - Treatment	Patient with Infusion
416	414	112	229	174

Gender

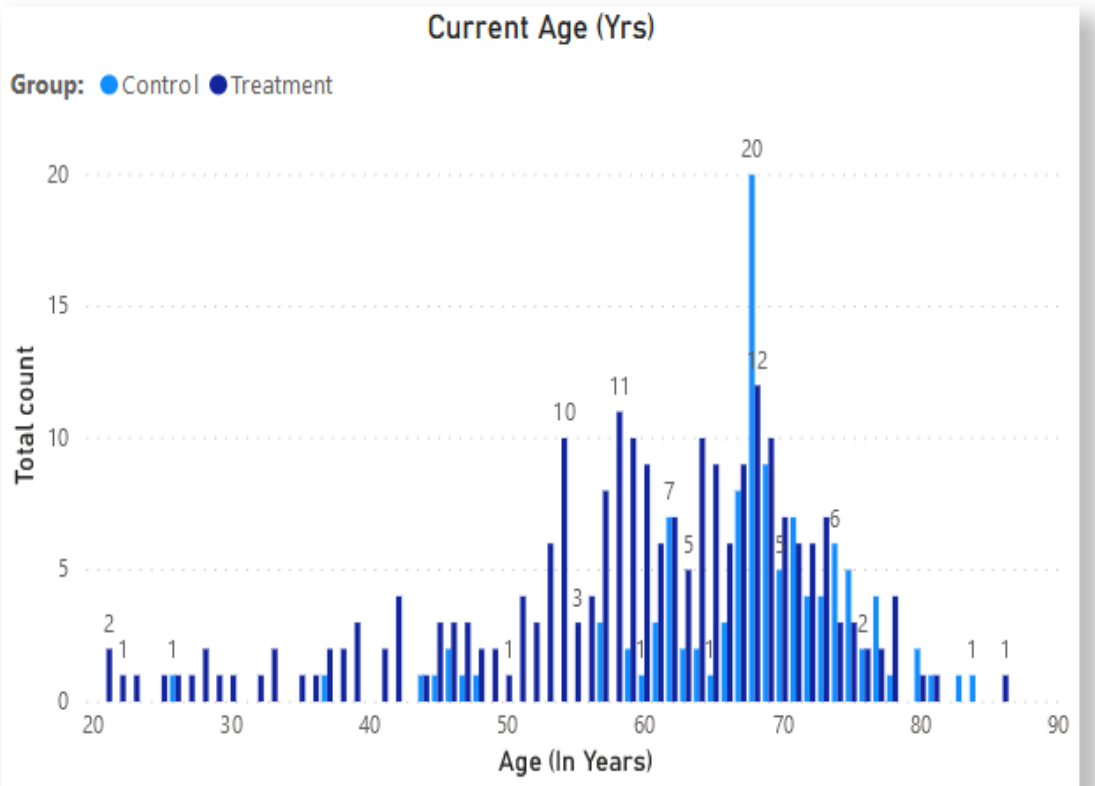


Mean Age (Yrs)
61.72

Median Age (Yrs)
65

Standard Deviation Age
12.26

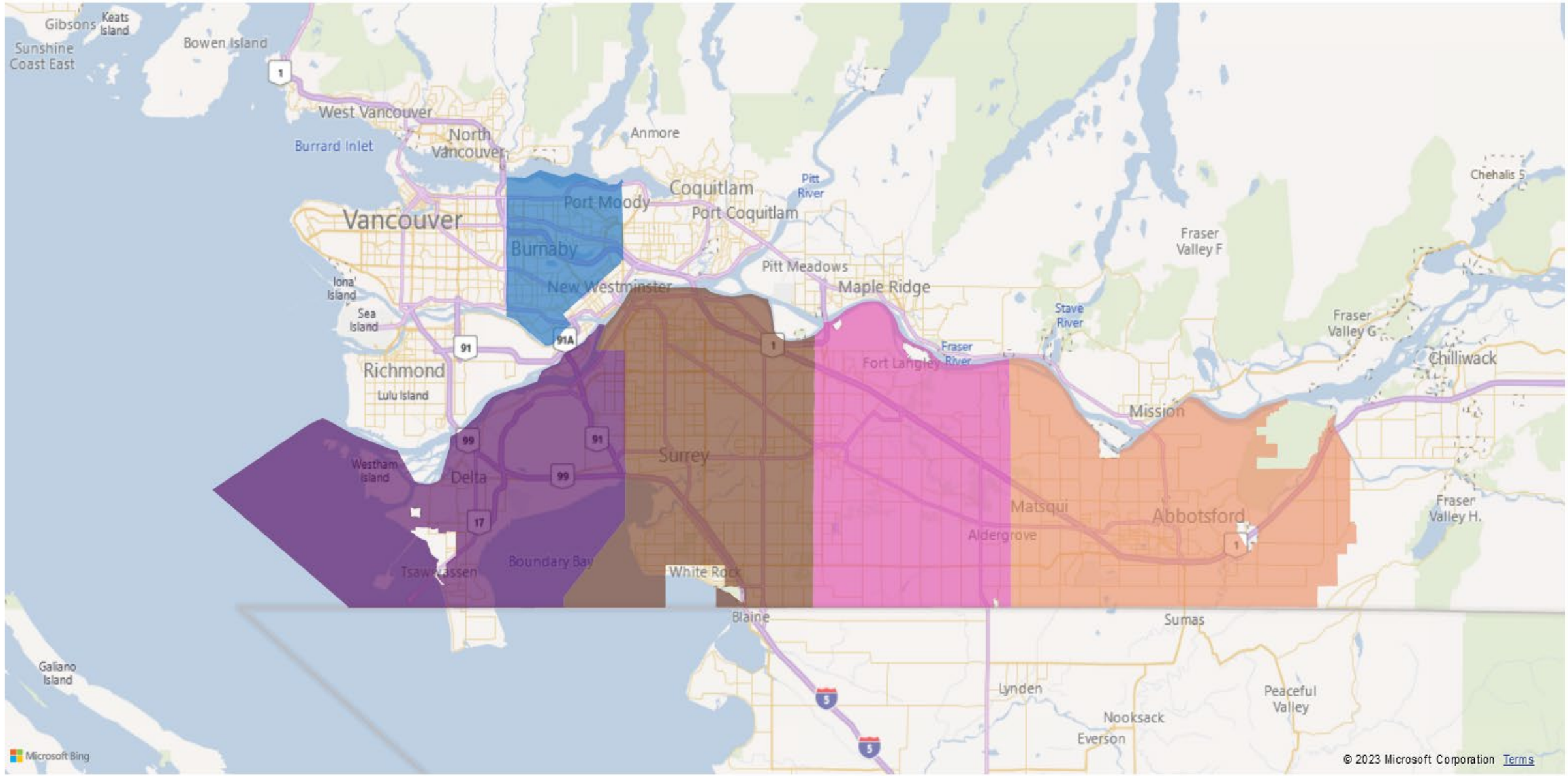
Current Age (Yrs)



Group

- [ ] Control
- [ ] Treatment

FHA Cluster



What did we learn?

How we solved it

- Listened to our partners

- Expert consultation

- Automation whenever possible

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