

BETWEEN:

HER MAJESTY THE QUEEN IN RIGHT OF THE
PROVINCE OF BRITISH COLUMBIA, represented
by the Ministry of Health

(the "Province") at the following address:

Health Sector IM/IT Division
2nd Floor, 1515 Blanshard St
Victoria BC V8W 3C8
Contract Administrator: Melissa Murdock

AND:

University of British Columbia

(the "Contractor") at the following address:

University-Industry Liaison Office
103-6190 Agronomy Road
Vancouver BC V6T 1Z3
Attn: Associate Director, Mario Kasapi

BACKGROUND

- A. The parties entered into an agreement dated April 21, 2011, a copy of which is attached as Exhibit 1 (the "Agreement").
- B. The Parties have agreed to amend the Agreement

AGREEMENT

The parties agree as follows:

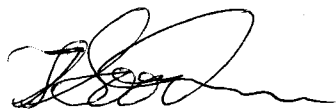
- (1) That **Schedule A, the Term**, shall be amended so as to read as follows:

Term: From and including: **April 21, 2011** To and including: **March 31, 2014**

- (2) That **Schedule A, the Services**, shall be replaced with a revised **Schedule A, the Services**, a copy of which is attached as Exhibit 2 (the "Services".)
- (3) That **Schedule B, Fees and Expenses**, shall be replaced with a revised Schedule B, Fees and Expenses, a copy of which is attached as Exhibit 3 ("Schedule B, Fees and Expenses")
- (4) That **Schedule G - Security Schedule - Appendix G1 - Security Screening Requirements** shall be replaced with a revised Schedule G - Appendix G1 - Security Screening Requirements, a copy of which is attached as Exhibit 4 (the "Schedule G, Security Schedule - Appendix G1 - Security Screening Requirements")
- (5) In all other respects, the Agreement is confirmed.

THE PARTIES have duly executed this agreement the 7th day of September, 2011.

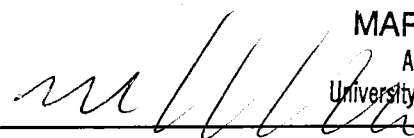
SIGNED AND DELIVERED on behalf of the
Province by an authorized representative of the
Province



(Authorized Representative)

Darcy Goodwin

SIGNED AND DELIVERED by or on behalf of
the Contractor (or by an authorized signatory of
the Contractor if a corporation)



MARIO A. KASAPI

Associate Director
University - Industry Liaison Office

(Contractor or Authorized Signatory)

Exhibit 1

("the Agreement")

Service Contract # 2012/026

GENERAL SERVICE AGREEMENT



For Administrative Purposes Only

Ministry Contract No.: 2012/026

Requisition No.: _____

Solicitation No.(if applicable): _____

Commodity Code: _____

Contractor Information

Supplier Name: University of British Columbia

Supplier No.: _____

Telephone No.: 604-822-8544

E-mail Address: suhail.marino@popdata.bc.ca

Website: www.popdata.bc.ca

Financial Information

Client: 026

Responsibility Centre: 66204

Service Line: 44005

STOB: 6001

Project: 6600000

Template version: October 21, 2010

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SCHEDULE A – SERVICES

SCHEDULE B – FEES AND EXPENSES

SCHEDULE C – APPROVED SUBCONTRACTOR(S)

SCHEDULE D – INSURANCE

SCHEDULE E – PRIVACY PROTECTION SCHEDULE

SCHEDULE F – ADDITIONAL TERMS

SCHEDULE G – SECURITY SCHEDULE

THIS AGREEMENT is dated for reference the ^{21st} day of April, 2011.

BETWEEN:

The University of British Columbia (the "Contractor"), a university continued as a corporation pursuant to section 3(1)(c) of the *University Act*, R.S.B.C. 1996, c. 468 (the "*University Act*"), as represented by a duly authorized representative of the Treasury Office, UBC with the following specified address and fax number:

University of British Columbia, Treasury
Orchard House, 2336 West Mall
Vancouver, BC V6T 1Z4
F: (604) 822-5566
Attn: Hamish Archibald, Manager, Contracts & Leases

AND:

HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE OF BRITISH COLUMBIA, as represented by the Minister of Health (the "Province") with the following specified address and fax number:

2-1, 1515 Blanshard Street
Victoria, BC V8W 3C8
FAX: 250-952-2002
Attn: Chris Norman, Chief Data Steward

(each a "Party," and collectively the "Parties")

WHEREAS The Province wishes to retain the Contractor to provide the services specified in Schedule A and, in consideration for the remuneration set out in Schedule B, the Contractor has agreed to provide those services, on the terms and conditions set out in this Agreement;

WHEREAS UBC is the service provider to the Province for the storing and processing of Information (including personal information as defined in the *Freedom of Information and Protection of Privacy Act*, RSBC 1996, c. 165) for disclosure on behalf of the Province to approved, third-party academic researchers;

WHEREAS the Parties entered into an information-sharing agreement dated May 14, 2009 (the "ISA"), which documents the terms and conditions under which the Province discloses Information to UBC for the purpose of the services;

WHEREAS the Province approves all uses and disclosures of Information made by UBC in advance, pursuant to the ISA;

WHEREAS the Parties wish to enter into a separate service agreement governing the nature and extent of each service provided to the Province by UBC and financial compensation of UBC by the Province for the provision of services rendered to the Province by UBC;

WHEREAS the Parties retain shared ownership of the Incorporated Material.

As a result, the Province and the Contractor agree as follows:

1 DEFINITIONS

General

1.1 In this Agreement, unless the context otherwise requires:

-
- (a) "Agreement" means this Agreement;
 - (b) "Agreement Manager" means, for the Province, the responsible Director in the Chief Data Steward's Office, and for UBC, the Privacy and Contracts Lead;
 - (c) "Appendix" means an appendix to this Agreement, unless the context requires otherwise;
 - (d) "Business Day" means a day, other than a Saturday or Sunday, on which Provincial government offices are open for normal business in British Columbia;
 - (e) "Chief Data Steward" means the Chief Data Steward of the BC Ministry of Health;
 - (f) "Content Data" has the same meaning set out in the ISA;
 - (g) "Dispute" means any dispute between the Parties under this Agreement;
 - (h) "FIPPA" means the *Freedom of Information and Protection of Privacy Act*, RSBC 1996, c. 165, as amended from time to time;
 - (i) "Incorporated Material" means any material in existence prior to the start of the Term or developed independently of this Agreement, and that is incorporated or embedded in the Produced Material by the Contractor;
 - (j) "ISA" means the Information Sharing Agreement between the Province, the Medical Services Commission, and the University of British Columbia and dated May 14, 2009;
 - (k) "Material" means the Produced Material and the Received Material;
 - (l) "MOH Information" has the same meaning set out in the ISA;
 - (m) "Produced Material" means records, software and other material pursuant to Schedule A, whether complete or not, that, as a result of this Agreement, is produced by the Contractor and may include Incorporated Material and/or MOH Information as referenced in the ISA; and, for greater certainty, does not include: UBC's Capital Assets; purely non-MOH information and products; or financial reports other than for MOH funds and Services;
 - (n) "Received Material" means records, software and other material, whether complete or not, that, as a result of this Agreement, are received by the Contractor from the Province or any other person;
 - (o) "Schedule" means a schedule to this Agreement, unless the context requires otherwise;
 - (p) "Senior Management" means for the Province, the Chief Data Steward, and for UBC the Managing Director of the Treasury Office;
 - (q) "Services" means the services provided by UBC to MOH, as described in Schedule A;
 - (r) "Service Provider" means a person retained under contract to perform services for a public body, as defined by FIPPA;
 - (s) "Term" means the term of the Agreement described in Part 1 of Schedule A subject to that term ending earlier in accordance with this Agreement;
 - (t) "UBC's Capital Assets" means as defined in Schedule F to this Agreement, specifically article 1.5; and, for greater certainty, does not include Received Material and/or MOH Information.

Meaning of "record"

- 1.2 The definition of "record" in the *Interpretation Act* and the *Freedom of Information and Protection of Privacy Act* is incorporated into this Agreement and "records" will bear a corresponding meaning

2 SERVICES

Provision of services

- 2.1 The Contractor must provide the Services in accordance with this Agreement.

Term

- 2.2 Regardless of the date of execution or delivery of this Agreement, the Contractor must provide the Services during the Term.

Supply of various items

- 2.3 Unless the parties otherwise agree in writing, the Contractor must supply and pay for all labour, materials, equipment, tools, facilities, approvals and licenses necessary or advisable to perform the Contractor's obligations under this Agreement, including the license under section 6.4.

Standard of care

- 2.4 Unless otherwise specified in this Agreement, the Contractor must perform the Services to a standard of care, skill and diligence maintained by persons providing, on a commercial basis, services similar to the Services.

Standards in relation to persons performing Services

- 2.5 The Contractor must ensure that all persons employed or retained to perform the Services are qualified and competent to perform them and are properly trained, instructed and supervised.

Instructions by Province

- 2.6 The Province may from time to time give the Contractor reasonable instructions (in writing or otherwise) as to the performance of the Services. The Contractor must comply with those instructions but, unless otherwise specified in this Agreement, the Contractor may determine the manner in which the instructions are carried out.

Confirmation of non-written instructions

- 2.7 If the Province provides an instruction under section 2.6 other than in writing, the Contractor may request that the instruction be confirmed by the Province in writing, which request the Province must comply with as soon as it is reasonably practicable to do so.

Effectiveness of non-written instructions

- 2.8 Requesting written confirmation of an instruction under section 2.7 does not relieve the Contractor from complying with the instruction at the time the instruction was given.

Applicable laws

- 2.9 In the performance of the Contractor's obligations under this Agreement, the Contractor must comply with all applicable laws.

3 PAYMENT

Fees and expenses

- 3.1 If the Contractor complies with this Agreement, then the Province must pay to the Contractor at the times and on the conditions set out in Schedule B:
- (a) the fees described in that Schedule;
 - (b) the expenses, if any, described in that Schedule if they are supported, where applicable, by proper receipts and, in the Province's opinion, are necessarily incurred by the Contractor in providing the Services; and
 - (c) any applicable taxes payable by the Province under law or agreement with the relevant taxation authorities on the fees and expenses described in paragraphs (a) and (b).

The Province is not obliged to pay to the Contractor more than the "Maximum Amount" specified in Schedule B on account of fees and expenses.

Statements of accounts

- 3.2 In order to obtain payment of any fees and expenses under this Agreement, the Contractor must submit to the Province a written statement of account in a form satisfactory to the Province upon completion of the Services or at other times described in Schedule B.

Withholding of amounts

- 3.3 Without limiting section 9.1, the Province may withhold from any payment due to the Contractor an amount sufficient to indemnify, in whole or in part, the Province and its employees and agents against any liens or other third-party claims that have arisen or could arise in connection with the provision of the Services. An amount withheld under this section must be promptly paid by the Province to the Contractor upon the basis for withholding the amount having been fully resolved to the satisfaction of the Province.

Without limiting any other remedy or action available to the Province, the Province may reduce or withhold any payment, or demand repayment:

- i. if an Event of Default, as defined in Article 11, has occurred;
- ii. pending the outcome of any audit of the Contractor's Records in accordance with either section 8.1 of this Agreement or any audit provision of the ISA;
- iii. if the Contractor receives funding for, or in respect of, the Services from any other source.

Appropriation

- 3.4 The Province's obligation to pay money to the Contractor is subject to the *Financial Administration Act*, which makes that obligation subject to an appropriation being available in the fiscal year of the Province during which payment becomes due.

Currency

- 3.5 Unless otherwise specified in this Agreement, all references to money are to Canadian dollars.

Non-resident income tax

- 3.6 If the Contractor is not a resident in Canada, the Contractor acknowledges that the Province may be required by law to withhold income tax from the fees described in Schedule B and then to remit that tax to the Receiver General of Canada on the Contractor's behalf.

Prohibition against committing money

- 3.7 Without limiting section 13.10(a), the Contractor must not in relation to performing the Contractor's obligations under this Agreement commit or purport to commit the Province to pay any money except as may be expressly provided for in this Agreement.

Refunds of taxes

- 3.8 The Contractor must:

- (a) apply for, and use reasonable efforts to obtain, any available refund, credit, rebate or remission of federal, provincial or other tax or duty imposed on the Contractor as a result of this Agreement that the Province has paid or reimbursed to the Contractor or agreed to pay or reimburse to the Contractor under this Agreement; and
- (b) immediately on receiving, or being credited with, any amount applied for under paragraph (a), remit that amount to the Province.

4 REPRESENTATIONS AND WARRANTIES

- 4.1 As at the date this Agreement is executed and delivered by, or on behalf of, the parties, the Contractor represents and warrants to the Province as follows:

- (a) except to the extent the Contractor has previously disclosed otherwise in writing to the Province,
 - (i) all information, statements, documents and reports furnished or submitted by the Contractor to the Province in connection with this Agreement (including as part of any competitive process resulting in this Agreement being entered into) are in all material respects true and correct,
 - (ii) the Contractor has sufficient trained staff, facilities, materials, appropriate equipment and approved subcontractual agreements in place and available to enable the Contractor to fully perform the Services, and
 - (iii) the Contractor holds all permits, licenses, approvals and statutory authorities issued by any government or government agency that are necessary for the performance of the Contractor's obligations under this Agreement; and
- (b) if the Contractor is not an individual,
 - (i) the Contractor has the power and capacity to enter into this Agreement and to observe, perform and comply with the terms of this Agreement and all necessary corporate or other proceedings have been taken and done to authorize the execution and delivery of this Agreement by, or on behalf of, the Contractor, and
 - (ii) this Agreement has been legally and properly executed by, or on behalf of, the Contractor and is legally binding upon and enforceable against the Contractor in accordance with its terms except as enforcement may be limited by bankruptcy, insolvency or other laws affecting the rights of creditors generally and except that equitable remedies may be granted only in the discretion of a court of competent jurisdiction.

5 PRIVACY, SECURITY AND CONFIDENTIALITY

Privacy

5.1 The Contractor must comply with the Privacy Protection Schedule attached as Schedule E.

Security

5.2 The Contractor must:

- (a) make reasonable security arrangements to protect the Material from unauthorized access, collection, use, disclosure, alteration or disposal;
- (b) comply with the Security Schedule attached as Schedule G; and,
- (c) comply with the terms and conditions set out in the ISA.

Confidentiality

5.3 The Contractor must treat as confidential all information in the Material and all other information accessed or obtained by the Contractor (whether verbally, electronically or otherwise) as a result of this Agreement, and not permit its disclosure or use without the Province's prior written consent except:

- (a) as required to perform the Contractor's obligations under this Agreement or to comply with applicable laws;
- (b) if it is information that is generally known to the public other than as result of a breach of this Agreement; or
- (c) it is pursuant to the terms and conditions set out in the ISA.

Public announcements

5.4 Any public announcement relating to this Agreement will be arranged by the Province and, if such consultation is reasonably practicable, after consultation with the Contractor.

Restrictions on promotion

5.5 The Contractor must not, without the prior written approval of the Province, refer for promotional purposes to the Province being a customer of the Contractor or the Province having entered into this Agreement.

6 MATERIAL AND INTELLECTUAL PROPERTY

Access to Material

6.1 If the Contractor receives a request for access to any of the Material from a person other than the Province, and this Agreement does not require or authorize the Contractor to provide that access, the Contractor must promptly advise the person to make the request to the Province.

Ownership and delivery of Material

6.2 The Province exclusively owns all property rights in the Received Material. The Contractor must deliver any Received Material to the Province immediately upon the Province's request. Ownership rights of the Incorporated Material are defined in Article 6.4 of this Agreement.

Matters respecting intellectual property

6.3 The Province exclusively owns all intellectual property rights, including copyright, in:

- (a) Received Material that the Contractor receives from the Province; and
- (b) Produced Material, other than any Incorporated Material;
- (c) Notwithstanding the above, the Province recognizes the Contractor operates in a multi-

stakeholder/ multi-funder environment; and, therefore retains ownership of the Produced Materials pursuant to Schedule A, Column K of this Agreement.

Upon the Province's request, the Contractor must deliver to the Province documents satisfactory to the Province that irrevocably waive in the Province's favour any moral rights which the Contractor (or employees of the Contractor) may have in the Produced Material and that confirm the vesting in the Province of the copyright in the Produced Material, other than any Incorporated Material.

Rights in relation to Incorporated Material

- 6.4 Upon any Incorporated Material being embedded or incorporated in the Produced Material and to the extent that it remains so embedded or incorporated, the Parties have shared ownership over the Incorporated Material and hereby grant to each other Party:
- (a) a non-exclusive, perpetual, irrevocable, royalty-free, worldwide license to use, reproduce, modify and distribute that Incorporated Material;
 - (b) the Parties acknowledge that cooperatively developed outputs, such as forms and templates, produced as a result of this Agreement, are to be considered Incorporated Material, permitted for future use by the Parties and exempt from future fees to the Province.

7 RECORDS AND REPORTS

Work reporting

- 7.1 Upon the Province's request, the Contractor must fully inform the Province of all work done by the Contractor in connection with providing the Services.

Time and expense records

- 7.2 If Schedule B provides for the Contractor to be paid fees at a daily or hourly rate or for the Contractor to be paid or reimbursed for expenses, the Contractor must maintain time records and books of account, invoices, receipts and vouchers of expenses in support of those payments, in form and content satisfactory to the Province. Unless otherwise specified in this Agreement, the Contractor must retain such documents for a period of not less than seven years after this Agreement ends.

8 AUDIT

- 8.1 In addition to any other rights of inspection the Province may have under statute or otherwise, the Province may at any reasonable time and on reasonable notice to the Contractor, enter on the Contractor's premises to inspect and, at the Province's discretion, copy any of the Material and the Contractor must permit, and provide reasonable assistance to, the exercise by the Province of the Province's rights under this section.

9 INDEMNITY AND INSURANCE

Indemnity

- 9.1 The Contractor must indemnify and save harmless the Province and the Province's employees and agents from any losses, claims, damages, actions, causes of action, costs and expenses that the Province or any of the Province's employees or agents may sustain, incur, suffer or be put to at any time, either before or after this Agreement ends, including any claim of infringement of third-party intellectual property rights, where the same or any of them are based upon, arise out of or occur, directly or indirectly, by reason of any act or omission by the Contractor or by any of the Contractor's agents, employees, officers, or

directors in connection with this Agreement, excepting always liability arising out of the independent acts or omissions of the Province and the Province's employees and agents.

Insurance

9.2 The Contractor must comply with the Insurance Schedule attached as Schedule D.

Workers compensation

9.3 Without limiting the generality of section 2.9, the Contractor must comply with, and must ensure that any employees comply with, all applicable occupational health and safety laws in relation to the performance of the Contractor's obligations under this Agreement, including the *Workers Compensation Act* in British Columbia or similar laws in other jurisdictions.

Personal optional protection

- 9.4 The Contractor must apply for and maintain personal optional protection insurance (consisting of income replacement and medical care coverage) during the Term at the Contractor's expense if:
- (a) the Contractor is an individual or a partnership of individuals and does not have the benefit of mandatory workers compensation coverage under the *Workers Compensation Act* or similar laws in other jurisdictions; and
 - (b) such personal optional protection insurance is available for the Contractor from WorkSafeBC or other sources.

Evidence of coverage

9.5 Within 10 Business Days of being requested to do so by the Province, the Contractor must provide the Province with evidence of the Contractor's compliance with sections 9.3 and 9.4.

10 FORCE MAJEURE

Definitions relating to force majeure

10.1 In this section and sections 10.2 and 10.3:

- (a) "Event of Force Majeure" means one of the following events:
 - (i) a natural disaster, fire, flood, storm, epidemic or power failure,
 - (ii) a war (declared and undeclared), insurrection or act of terrorism or piracy,
 - (iii) a strike (including illegal work stoppage or slowdown) or lockout, or
 - (iv) a freight embargoif the event prevents a party from performing the party's obligations in accordance with this Agreement and is beyond the reasonable control of that party; and
- (b) "Affected Party" means a party prevented from performing the party's obligations in accordance with this Agreement by an Event of Force Majeure.

Consequence of Event of Force Majeure

10.2 An Affected Party is not liable to the other party for any failure or delay in the performance of the Affected Party's obligations under this Agreement resulting from an Event of Force Majeure and any time periods for the performance of such obligations are automatically extended for the duration of the Event of Force Majeure provided that the Affected Party complies with the requirements of section 10.3.

Duties of Affected Party

- 10.3 An Affected Party must promptly notify the other party in writing upon the occurrence of the Event of Force Majeure and make all reasonable efforts to prevent, control or limit the effect of the Event of Force Majeure so as to resume compliance with the Affected Party's obligations under this Agreement as soon as possible.

11 DEFAULT AND TERMINATION

Definitions relating to default and termination

- 11.1 In this section and sections 11.2 to 11.4:

- (a) "Event of Default" means any of the following:
 - (i) an Insolvency Event,
 - (ii) the Contractor fails to perform any of the Contractor's obligations under this Agreement, or
 - (iii) any representation or warranty made by the Contractor in this Agreement is untrue or incorrect; and
- (b) "Insolvency Event" means any of the following:
 - (i) an order is made, a resolution is passed or a petition is filed, for the Contractor's liquidation or winding up,
 - (ii) the Contractor commits an act of bankruptcy, makes an assignment for the benefit of the Contractor's creditors or otherwise acknowledges the Contractor's insolvency,
 - (iii) a bankruptcy petition is filed or presented against the Contractor or a proposal under the *Bankruptcy and Insolvency Act* (Canada) is made by the Contractor,
 - (iv) a compromise or arrangement is proposed in respect of the Contractor under the *Companies' Creditors Arrangement Act* (Canada),
 - (v) a receiver or receiver-manager is appointed for any of the Contractor's property, or
 - (vi) the Contractor ceases, in the Province's reasonable opinion, to carry on business as a going concern.

Province's options on default

- 11.2 On the happening of an Event of Default, or at any time thereafter, the Province may, at its option, elect to do any one or more of the following:
- (a) by written notice to the Contractor, require that the Event of Default be remedied within a time period specified in the notice;
 - (b) pursue any remedy or take any other action available to it at law or in equity; or
 - (c) by written notice to the Contractor, terminate this Agreement with immediate effect or on a future date specified in the notice, subject to the expiration of any time period specified under section 11.2(a).

Delay not a waiver

- 11.3 No failure or delay on the part of the Province to exercise its rights in relation to an Event of Default will constitute a waiver by the Province of such rights.

Province's right to terminate other than for default

- 11.4 In addition to the Province's right to terminate this Agreement under section 11.2(c) on the happening of an Event of Default, the Province may terminate this Agreement for any reason by giving at least 10 days' written notice of termination to the Contractor.

Payment consequences of termination

- 11.5 Unless Schedule B otherwise provides, if the Province terminates this Agreement under section 11.4:
- (a) the Province must, within 30 days of such termination, pay to the Contractor any unpaid portion of the fees and expenses described in Schedule B which corresponds with the portion of the Services that was completed to the Province's satisfaction before termination of this Agreement; and
 - (b) the Contractor must, within 30 days of such termination, repay to the Province any paid portion of the fees and expenses described in Schedule B which corresponds with the portion of the Services that the Province has notified the Contractor in writing was not completed to the Province's satisfaction before termination of this Agreement.

Discharge of liability

- 11.6 The payment by the Province of the amount described in section 11.5(a) discharges the Province from all liability to make payments to the Contractor under this Agreement.

Notice in relation to Events of Default

- 11.7 If the Contractor becomes aware that an Event of Default has occurred or anticipates that an Event of Default is likely to occur, the Contractor must promptly notify the Province of the particulars of the Event of Default or anticipated Event of Default. A notice under this section as to the occurrence of an Event of Default must also specify the steps the Contractor proposes to take to address, or prevent recurrence of, the Event of Default. A notice under this section as to an anticipated Event of Default must specify the steps the Contractor proposes to take to prevent the occurrence of the anticipated Event of Default.

12 DISPUTE RESOLUTION

Dispute resolution process

- 12.1 In the event of any dispute between the parties arising out of or in connection with this Agreement, the following dispute resolution process will apply unless the parties otherwise agree in writing:
- (a) Disputes arising under this Agreement will be reported to the Agreement Managers;
 - (b) Attempted resolution of any Dispute will be by the Agreement Managers, negotiating in good faith in an effort to resolve the Dispute on a consensus basis;
 - (c) During the course of the negotiation, the parties will respond in a timely manner;
 - (d) Disputes that are unresolved after 15 days will be referred to Senior Management;
 - (e) If the Dispute is not resolved through collaborative negotiation within 15 Business Days of the dispute arising, the parties must then attempt to resolve the Dispute through mediation under the rules of the British Columbia Mediator Roster Society; and
 - (f) If the Dispute is not resolved through mediation within 30 Business Days of the commencement of mediation, the Dispute must be referred to and finally resolved by arbitration under the *Commercial Arbitration Act*.

Location of arbitration or mediation

- 12.2 Unless the parties otherwise agree in writing, an arbitration or mediation under section 12.1 will be held in Victoria, British Columbia.

Costs of mediation or arbitration

- 12.3 Unless the parties otherwise agree in writing or, in the case of an arbitration, the arbitrator otherwise orders, the parties must share equally the costs of a mediation or arbitration under section 12.1 other than those costs relating to the production of expert evidence or representation by counsel.

13 MISCELLANEOUS

Delivery of notices

- 13.1 Any notice contemplated by this Agreement, to be effective, must be in writing and delivered as follows:
- (a) by fax to the addressee's fax number specified on the first page of this Agreement, in which case it will be deemed to be received on the day of transmittal unless transmitted after the normal business hours of the addressee or on a day that is not a Business Day, in which cases it will be deemed to be received on the next following Business Day;
 - (b) by hand to the addressee's address specified on the first page of this Agreement, in which case it will be deemed to be received on the day of its delivery; or
 - (c) by prepaid post to the addressee's address specified on the first page of this Agreement, in which case if mailed during any period when normal postal services prevail, it will be deemed to be received on the fifth Business Day after its mailing.

Change of address or fax number

- 13.2 Either party may from time to time give notice to the other party of a substitute address or fax number, which from the date such notice is given will supersede for purposes of section 13.1 any previous address or fax number specified for the party giving the notice.

Assignment

- 13.3 The Contractor must not assign any of the Contractor's rights under this Agreement without the Province's prior written consent.

Subcontracting

- 13.4 The Contractor must not subcontract any of the Contractor's obligations under this Agreement to any person without the Province's prior written consent, excepting persons listed in the attached Schedule C. No subcontract, whether consented to or not, relieves the Contractor from any obligations under this Agreement. The Contractor must ensure that:
- (a) any person retained by the Contractor to perform obligations under this Agreement; and
 - (b) any person retained by a person described in paragraph (a) to perform those obligations fully complies with this Agreement in performing the subcontracted obligations.

Waiver

- 13.5 A waiver of any term or breach of this Agreement is effective only if it is in writing and signed by, or on behalf of, the waiving party and is not a waiver of any other term or breach.

Modifications

- 13.6 No modification of this Agreement is effective unless it is in writing and signed by, or on behalf of, the parties.

Entire agreement

- 13.7 This Agreement (including any modification of it) constitutes the entire agreement between the parties as to performance of the Services.

Survival of certain provisions

- 13.8 Sections 2.9, 3.1 to 3.4, 3.7, 3.8, 5.1 to 5.5, 6.1 to 6.4, 7.1, 7.2, 8.1, 9.1, 9.2, 9.5, 10.1 to 10.3, 11.2, 11.3, 11.5, 11.6, 12.1 to 12.3, 13.1, 13.2, 13.8, and 13.10, any accrued but unpaid payment obligations, and any other sections of this Agreement (including schedules) which, by their terms or nature, are intended to survive the completion of the Services or termination of this Agreement, will continue in force indefinitely, even after this Agreement ends.

Schedules

- 13.9 The schedules to this Agreement (including any appendices or other documents attached to, or incorporated by reference into, those schedules) are part of this Agreement.

Independent contractor

- 13.10 In relation to the performance of the Contractor's obligations under this Agreement, the Contractor is an independent contractor and not:

- (a) an employee or partner of the Province; or
- (b) an agent of the Province except as may be expressly provided for in this Agreement.

The Contractor must not act or purport to act contrary to this section.

Personnel not to be employees of Province

- 13.11 The Contractor must not do anything that would result in personnel hired in relation to providing the Services being considered employees of the Province.

Key Personnel

- 13.12 If one or more individuals are specified as "Key Personnel" of the Contractor in Part 4 of Schedule A, the Contractor must cause those individuals to perform the Services on the Contractor's behalf, unless the Province otherwise approves in writing, which approval must not be unreasonably withheld.

Pertinent information

- 13.13 The Province must make available to the Contractor all information in the Province's possession which the Province considers pertinent to the performance of the Services.

Conflict of interest

- 13.14 The Contractor must not provide any services to any person in circumstances which, in the Province's reasonable opinion, could give rise to a conflict of interest between the Contractor's duties to that person and the Contractor's duties to the Province under this Agreement.

Time

- 13.15 Time is of the essence in this Agreement and, without limitation, will remain of the essence after any modification or extension of this Agreement, whether or not expressly restated in the document effecting the modification or extension.

Conflicts among provisions

13.16 Conflicts among provisions of this Agreement will be resolved as follows:

- (a) a provision in the body of this Agreement will prevail over any conflicting provision in, attached to or incorporated by reference into a schedule, unless that conflicting provision expressly states otherwise; and
- (b) a provision in a schedule will prevail over any conflicting provision in a document attached to or incorporated by reference into a schedule, unless the schedule expressly states otherwise.

Agreement not permit nor fetter

13.17 This Agreement does not operate as a permit, license, approval or other statutory authority which the Contractor may be required to obtain from the Province or any of its agencies in order to provide the Services. Nothing in this Agreement is to be construed as interfering with, or fettering in any manner, the exercise by the Province or its agencies of any statutory, prerogative, executive or legislative power or duty.

Remainder not affected by invalidity

13.18 If any provision of this Agreement or the application of it to any person or circumstance is invalid or unenforceable to any extent, the remainder of this Agreement and the application of such provision to any other person or circumstance will not be affected or impaired and will be valid and enforceable to the extent permitted by law.

Further assurances

13.19 Each party must perform the acts, execute and deliver the writings, and give the assurances as may be reasonably necessary to give full effect to this Agreement.

Additional terms

13.20 Any additional terms set out in the attached Schedule F apply to this Agreement.

Governing law

13.21 This Agreement is governed by, and is to be interpreted and construed in accordance with, the laws applicable in British Columbia.

14 INTERPRETATION

14.1 In this Agreement:

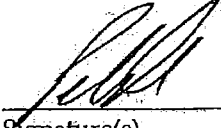
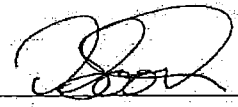
- (a) "includes" and "including" are not intended to be limiting;
- (b) unless the context otherwise requires, references to sections by number are to sections of this Agreement;
- (c) the Contractor and the Province are referred to as "the parties" and each of them as a "party";
- (d) "attached" means attached to this Agreement when used in relation to a schedule;
- (e) unless otherwise specified, a reference to a statute by name means the statute of British Columbia by that name, as amended or replaced from time to time;
- (f) the headings have been inserted for convenience of reference only and are not intended to describe, enlarge or restrict the scope or meaning of this Agreement or any provision of it;
- (g) "person" includes an individual, partnership, corporation or legal entity of any nature; and

(h) unless the context otherwise requires, words expressed in the singular include the plural and vice versa.

15 EXECUTION AND DELIVERY OF AGREEMENT

- 15.1 This Agreement may be entered into by a separate copy of this Agreement being executed by, or on behalf of, each party and that executed copy being delivered to the other party by a method provided for in section 13.1 or any other method agreed to by the parties.

The parties have executed this Agreement as follows:

| | |
|---|--|
| <p>SIGNED on the <u>8</u> day of <u>April</u>, 20<u>11</u> by the Contractor (or, if not an individual, on its behalf by its authorized signatory or signatories):</p> <p> _____ Signature(s)</p> <p>_____ Print Name(s) Peter R. Smailes Treasurer</p> <p>_____ Print Title(s)</p> | <p>SIGNED on the <u>21st</u> day of <u>April</u>, 20<u>11</u> on behalf of the Province by its duly authorized representative:</p> <p> _____ Signature</p> <p>_____ Print Name DARCY GOODWIN</p> <p>_____ Print Title EXEC. DIR</p> |
|---|--|



Mark Crosbie
Associate University Counsel

Schedule A – Services

| Contract Term <i>April 21, 2011</i> April 01 2011 - March 31, 2012 | | Deliverables - Column D | Performance Measure- Column E | Outputs and Standard Reporting- Column F | Allocation type and why- Column G | Population Data BC GROSS TOTAL- Column H | Est'd Cost Recovery - Column I | MOHS Portion of GROSS TOTAL- Column J | Percent MOHS portion, vis. PopData gross total per service line- Column K |
|---|---|---|--|---|--|--|--|--|---|
| DATA ACQUISITION, LINKAGE and EXTRACTION SERVICES | | | | | | | | | |
| Research data management work | | | | | | | | | |
| i | Acquire data provided by the Province under Information Sharing Agreement | * Technical assessment of useability * Data quality report following each data import | Data quality report provided to MOHS within 30 days of confirmed data receipt | *MOHS material only, standard reporting | NUMBER: doesn't rely on the content of the data per se. | \$124,020 | \$0 | \$57,049 | 46% |
| ii | - Clean Data - Verify Data (certify for use) - Establish data linkage (pre-emptive link) capability - secure storage | * Separate Content Data from Identifiers * Upload and store data provided to the University by the Province * Secure off-site data back-up, per the Information Sharing Agreement * secure systems for storage and access of data holdings * Production of confirmation report annually to MOHS | * Content and Identifiers separated within 7 days of receipt * Secure offsite backup minimum 6 times / year | * Confirmation of backups that performance measures are met | EFFORT: involves working with the data itself. | \$84,404 | \$0 | \$57,395 | 68% |

| | | | | | | | | | |
|---|---|---|--|---|---|-----------|----------|-----------|-----|
| iii | Perform Data Linkage and associated ID management on intake of new data sets, as authorized by MOHS, and as per Appendix F of the Information Sharing Agreement: | * Linkages performed per Appendix A and Appendix F of the Information Sharing Agreement * Linkage rates reporting | * Pre-emptive Linkage performed with all MOHS datasets where authorizations exist | Linkage rate report for MOHS and public viewing | EFFORT: the bulk of linkage work involves MOHS data; quarterly imports of R&PB. | \$69,000 | \$0 | \$46,920 | 68% |
| iv | Secure Research Environment (SRE) for Research Extracts: -administration/support of data analysis software -provision of research extract -storage and back-ups -monitoring of SRE use -development of SRE documentation to help researchers use SRE effectively | * Operational and documented Secure Research Environment for data extracts * SRE reports available monthly for all data stewards * SRE documentation to help researchers available publicly and for all data stewards | * SRE availability 24/7 * SRE downtime < 5% * SRE access changes implemented within one week of notification * web based handbook (etc) for SRE use, access, etc. | Standard reporting Web-based handbook - for public viewing | NUMBER: isn't affected by the content of the data. | \$111,002 | \$34,420 | \$51,061 | 46% |
| Research data preparation and extraction for approved Data Access Requests | | | | | | | | | |
| i | Prepare accurate and appropriate Research Extracts as per Research Agreements, including programming for the cohort/study population definitions and extracting approved data | * Timely research data preparation consistent with Research Agreements * Confirmation of data deliveries to MOHS | * Research extracts to researcher within 3 months of full approvals in place, provided it is an actionable request | Standard Reporting | EFFORT: Involves working with the data itself. | \$253,041 | \$42,451 | \$172,068 | 68% |

| PROJECT TRACKING AND PROJECT CLOSURE SERVICES | | | | | | | | | |
|---|---|--|---|--|---------------------------------------|----------|-----|----------|-----|
| Research Agreement support | | | | | | | | | |
| a: | Track Data Access Requests / Research Agreements -data approved for release -data linkages in process/ done - data provided - data deliveries remaining -data outstanding -future updates approved/ scheduled -data scheduled for closure/ destruction | * Ongoing operations and communications in weekly teleconference | * Tracking current within one week | Standard Reporting | NUMBER: not related to data contents. | | | | |
| | | | | | | \$88,912 | \$0 | \$40,900 | 46% |
| b | Actively manage Research Agreements - Data delivery to researcher or in SRE - SRE access: initiate and turn off as necessary - data deliveries: track outstanding - pre-publication reviews -ethics approvals and renewals -retention period expiry (reminders to extend or destroy data) | * Standardized quarterly report, or as applicable on project status and compliance (all instances of mis-use, etc): projects falling out of good standing * Project-specific access controls on SRE *UBC to ensure prepublication reveiws managed directly by MOHS and coordinate accordingly | * Report available one month after quarter end * Notification to MOHS of non-compliance: within 24 hours of confirmation * SRE access available within one week of data being available | MOHS specific quarterly report on projects falling out of good standing / status report - To remain Confidential | NUMBER: Not related to data contents. | | | | |
| | | | | | | \$70,344 | \$0 | \$32,358 | 46% |

| | | | | | | | | | | |
|---|---|--|--|---------------------------|-----|----------|-----|----------|------|--|
| c | Project closure of historical projects (pre-2006) | * Implementation of Project Closure Protocol (or other protocols as necessary) on remaining 180 projects | 180 projects = \$297 / project ACTIONED for a maximum of \$53,476 To be billed at 50%, 75% and 100% or whichever is applicable at fiscal year end. | Report on project closure | n/a | | | | | |
| | | | | | | \$53,476 | \$0 | \$53,476 | 100% | |

| APPLICATION INTAKE AND SUPPORT SERVICES | | | | | | | | |
|---|--|---|--|---|--|-----------|----------|--------------|
| a | <p>Coordination needs: researcher</p> <ul style="list-style-type: none"> - Provide researchers with information needed to support application/amendment development - Respond to inquiries regarding data holdings and variables - Direct applicants to other information sources as required/requested - Provide advice to applicants on design of their studies, in accordance with data access policies of data stewards - Transfer applications/amendments to third parties as requested - Transfer completed applications to public bodies for review <p>Coordinate review of Data Access Requests and Amendments, including with third parties</p> | <p>* Handle all application/amendment requests, including application development and coordination with other Data Stewards</p> <p>* Applicants receive accurate advice and support to design studies and write applications for data that are accurate, fully documented, and compliant with data access policies of data stewards</p> | <p>1. "Clean application" and "gold standard" definitions complete by Q1-end</p> <p>2. Production of "gold standard" checklist in collaboration with MOHS</p> <p>3. 100% of submitted applications meet "clean application" definition by Q2</p> | <p>*Standard Reporting</p> <p>* "Gold Standard" Checklist</p> | <p>VOLUME:</p> <p>Taking last three years of applications, and the frequency with which they are attributed by Data Steward.</p> | | | |
| | | | | | | \$129,888 | \$17,210 | \$63,695 49% |

| | | | | | | | | | | |
|---|---|--|---|--|---|--------------------|------------------|------------------|--------------|--|
| b | <p>Coordination needs: Public Bodies - Provide researchers with necessary information regarding data access</p> <ul style="list-style-type: none"> - Ensure requests are complete and in line with public body needs / policies - Ensure public bodies are up to date with communications regarding a project, in particular regarding other public body adjudications - Identify and meet common needs for application processes to improve efficiency and accountability - Work with data stewards and their staff to develop and implement materials, processes, procedures to support their efficiency (e.g. project summaries) | <p>* Ministry receives clean applications ready for review, with known issues addressed as far as is feasible</p> <p>* Increasingly streamlined, efficient application processing</p> <p>* Coordinate re-submission(s) of returned applications with MOHS;</p> <p>* Provide risk assessment/mitigation report for each research extract, as applicable (i.e. cell size minimum reconciliation, etc.)</p> | <p>* Implement new PopData application numbering scheme - Q1-Q2</p> <p>* Devise 'new' queue-management metrics in collaboration with MOHS</p> | Standard Reporting and new queue-management metric template with implementation in agreement with MOHS | VOLUME: Taking last three years of applications, and the frequency with which they are attributed by Data Steward. | | | | | |
| | | | | | | \$227,200 | \$14,915 | \$111,416 | 49% | |
| | | | | | | <u>\$1,211,288</u> | <u>\$108,996</u> | <u>\$686,337</u> | <u>56.7%</u> | |

Schedule B – Fees and Expenses

1. MAXIMUM AMOUNT PAYABLE:

Maximum Amount: Despite sections 2 and 3 of this Schedule, \$500,000 is the maximum amount which the Province is obliged to pay to the Contractor for fees and expenses under this Agreement (exclusive of any applicable taxes described in section 3.1(c) of this Agreement).

2. FEES:

08 April 21
\$125,000 per quarter being April 1 to June 30, July 1 to September 30, October 1 to December 31 and January 1 to March 31 by the Contractor to the Province for performing the Services during the Term.

3. EXPENSES:

None

4. STATEMENTS OF ACCOUNT:

1. Statements of Account: In order to obtain payment of any fees and expenses under this Agreement, the Contractor must deliver to the Province a written statement of account for the period from and including the 1st day of April 2011 to and including the 30th day of June 2011, and every third month thereafter until the end of the Term, 31st day of March 2012, containing:
 - (a) the Contractor's legal name and address;
 - (b) the date of the statement;
 - (c) the Contractor's calculation of all fees claimed under this Agreement, including a declaration that the Services for which the Contractor claims fees have been completed;
 - (d) a chronological listing, in reasonable detail, of any expenses claimed by the Contractor with receipts attached, if applicable, and, if the Contractor is claiming reimbursement of any HST or other applicable taxes paid or payable by the Contractor in relation to those expenses, a description of any credits, rebates, refunds or remissions the Contractor is entitled to from the relevant taxation authorities in relation to those taxes;
 - (e) the Contractor's calculation of all applicable taxes payable by the Province in relation to the Services;
 - (f) a description of this Agreement to which the statement relates;
 - (g) a statement number for identification; and
 - (h) any other billing information reasonably requested by the Province.
2. Payments Due: Within 30 days of the Province's receipt of the Contractor's quarterly written statement of account delivered in accordance with this Schedule, the Province must pay the Contractor the fees and expenses (plus all applicable taxes) claimed in the statement if they are in accordance with this Schedule. Statements of account or contract invoices offering an early payment discount may be paid by the Province as required to obtain the discount.

Schedule C – Approved Subcontractor(s)

Not Applicable

Schedule D – Insurance

1. The Contractor must, without limiting the Contractor's obligations or liabilities and at the Contractor's own expense, purchase and maintain throughout the Term the following insurances with insurers licensed in Canada in forms and amounts acceptable to the Province:
 - (a) Commercial General Liability in an amount not less than \$2,000,000.00 inclusive per occurrence against bodily injury, personal injury and property damage and including liability assumed under this Agreement and this insurance must include the Province as an additional insured,
 - (b) be endorsed to provide the Province with 30 days advance written notice of cancellation or material change, and
 - (c) include a cross liability clause;
2. All insurance described in section 1 of this Schedule must:
 - (a) be primary; and
 - (b) not require the sharing of any loss by any insurer of the Province.
3. The Contractor must provide the Province with evidence of all required insurance as follows:
 - (a) within 10 Business Days of commencement of the Services, the Contractor must provide to the Province evidence of all required insurance in the form of a completed Province of British Columbia Certificate of Insurance;
 - (b) if any required insurance policy expires before the end of the Term, the Contractor must provide to the Province within 10 Business Days of the policy's expiration, evidence of a new or renewal policy meeting the requirements of the expired insurance in the form of a completed Province of British Columbia Certificate of Insurance; and
 - (c) despite paragraph (a) or (b) above, if requested by the Province at any time, the Contractor must provide to the Province certified copies of the required insurance policies.
4. The Contractor must obtain, maintain and pay for any additional insurance which the Contractor is required by law to carry, or which the Contractor considers necessary to cover risks not otherwise covered by insurance specified in this Schedule in the Contractor's sole discretion.

Schedule E – Privacy Protection Schedule

Definitions

1. In this Schedule,
 - (a) "access" means disclosure by the provision of access;
 - (b) "Act" means the Freedom of Information and Protection of Privacy Act (British Columbia);
 - (c) "contact information" means information to enable an individual at a place of business to be contacted and includes the name, position name or title, business telephone number, business address, business email or business fax number of the individual;
 - (d) "personal information" means recorded information about an identifiable individual, other than contact information, collected or created by the Contractor as a result of the Agreement or any previous agreement between the Province and the Contractor dealing with the same subject matter as the Agreement but excluding any such information that, if this Schedule did not apply to it, would not be under the "control of a public body" within the meaning of the Act.

Purpose

2. The purpose of this Schedule is to:
 - (a) enable the Province to comply with the Province's statutory obligations under the Act with respect to personal information; and
 - (b) ensure that, as a service provider, the Contractor is aware of and complies with the Contractor's statutory obligations under the Act with respect to personal information.

Collection of personal information

3. Unless the Agreement otherwise specifies or the Province otherwise directs in writing, the Contractor may only collect or create personal information that is necessary for the performance of the Contractor's obligations, or the exercise of the Contractor's rights, under the Agreement.
4. Unless the Agreement otherwise specifies or the Province otherwise directs in writing, the Contractor must collect personal information directly from the individual the information is about.
5. Unless the Agreement otherwise specifies or the Province otherwise directs in writing, the Contractor must tell an individual from whom the Contractor collects personal information:
 - (a) the purpose for collecting it;
 - (b) the legal authority for collecting it; and
 - (c) the title, business address and business telephone number of the person designated by the Province to answer questions about the Contractor's collection of personal information.

Accuracy of personal information

6. The Contractor must make every reasonable effort to ensure the accuracy and completeness of any

personal information to be used by the Contractor or the Province to make a decision that directly affects the individual the information is about.

Requests for access to personal information

7. If the Contractor receives a request for access to personal information from a person other than the Province, the Contractor must promptly advise the person to make the request to the Province unless the Agreement expressly requires the Contractor to provide such access and, if the Province has advised the Contractor of the name or title and contact information of an official of the Province to whom such requests are to be made, the Contractor must also promptly provide that official's name or title and contact information to the person making the request.

Correction of personal information

8. Within 5 Business Days of receiving a written direction from the Province to correct or annotate any personal information, the Contractor must correct or annotate the information in accordance with the direction.
9. When issuing a written direction under section 8, the Province must advise the Contractor of the date the correction request to which the direction relates was received by the Province in order that the Contractor may comply with section 10.
10. Within 5 business days of correcting or annotating any personal information under section 8, the Contractor must provide the corrected or annotated information to any party to whom, within one year prior to the date the correction request was made to the Province, the Contractor disclosed the information being corrected or annotated.
11. If the Contractor receives a request for correction of personal information from a person other than the Province, the Contractor must promptly advise the person to make the request to the Province and, if the Province has advised the Contractor of the name or title and contact information of an official of the Province to whom such requests are to be made, the Contractor must also promptly provide that official's name or title and contact information to the person making the request.

Protection of personal information

12. The Contractor must protect personal information by making reasonable security arrangements against such risks as unauthorized access, collection, use, disclosure or disposal, including any expressly set out in the Agreement.

Storage and access to personal information

13. Unless the Province otherwise directs in writing, the Contractor must not store personal information outside Canada or permit access to personal information from outside Canada.

Retention of personal information

14. Unless the Agreement otherwise specifies, the Contractor must retain personal information until directed by the Province in writing to dispose of it or deliver it as specified in the direction.

Use of personal information

15. Unless the Province otherwise directs in writing, the Contractor may only use personal information if that use is for the performance of the Contractor's obligations, or the exercise of the Contractor's rights, under the Agreement.

Disclosure of personal information

16. Unless the Province otherwise directs in writing, the Contractor may only disclose personal information inside Canada to any person other than the Province if the disclosure is for the performance of the Contractor's obligations, or the exercise of the Contractor's rights, under the Agreement.
17. Unless the Agreement otherwise specifies or the Province otherwise directs in writing, the Contractor must not disclose personal information outside Canada.

Notice of foreign demands for disclosure

18. In addition to any obligation the Contractor may have to provide the notification contemplated by section 30.2 of the Act, if in relation to personal information in the custody or under the control of the Contractor, the Contractor:
- (a) receives a foreign demand for disclosure;
 - (b) receives a request to disclose, produce or provide access that the Contractor knows or has reason to suspect is for the purpose of responding to a foreign demand for disclosure; or
 - (c) has reason to suspect that an unauthorized disclosure of personal information has occurred in response to a foreign demand for disclosure.

the Contractor must immediately notify the Province and, in so doing, provide the information described in section 30.2(3) of the Act. In this section, the phrases "foreign demand for disclosure" and "unauthorized disclosure of personal information" will bear the same meanings as in section 30.2 of the Act.

Notice of unauthorized disclosure

19. In addition to any obligation the Contractor may have to provide the notification contemplated by section 30.5 of the Act, if the Contractor knows that there has been an unauthorized disclosure of personal information in the custody or under the control of the Contractor, the Contractor must immediately notify the Province. In this section, the phrase "unauthorized disclosure of personal information" will bear the same meaning as in section 30.5 of the Act.

Inspection of personal information

20. In addition to any other rights of inspection the Province may have under the Agreement or under statute, the Province may, at any reasonable time and on reasonable notice to the Contractor, enter on the Contractor's premises to inspect any personal information in the possession of the Contractor or any of the Contractor's information management policies or practices relevant to the Contractor's management of personal information or the Contractor's compliance with this Schedule, and the Contractor must permit and provide reasonable assistance to any such inspection.

Compliance with the Act and directions

21. The Contractor must in relation to personal information comply with:

- (a) the requirements of the Act applicable to the Contractor as a service provider, including any applicable order of the commissioner under the Act; and
- (b) any direction given by the Province under this Schedule.

22. The Contractor acknowledges that it is familiar with the requirements of the Act governing personal information that are applicable to it as a service provider.

Notice of non-compliance

23. If for any reason the Contractor does not comply, or anticipates that it will be unable to comply, with a provision in this Schedule in any respect, the Contractor must promptly notify the Province of the particulars of the non-compliance or anticipated non-compliance and what steps it proposes to take to address, or prevent recurrence of, the non-compliance or anticipated non-compliance.

Termination of Agreement

24. In addition to any other rights of termination which the Province may have under the Agreement or otherwise at law, the Province may, subject to any provisions in the Agreement establishing mandatory cure periods for defaults by the Contractor, terminate the Agreement by giving written notice of such termination to the Contractor, upon any failure of the Contractor to comply with this Schedule in a material respect.

Interpretation

25. In this Schedule, references to sections by number are to sections of this Schedule unless otherwise specified in this Schedule.

26. Any reference to the "Contractor" in this Schedule includes any employee retained by the Contractor to perform obligations under the Agreement and the Contractor must ensure that any such employee comply with this Schedule.

27. The obligations of the Contractor in this Schedule will survive the termination of the Agreement.

28. If a provision of the Agreement (including any direction given by the Province under this Schedule) conflicts with a requirement of the Act or an applicable order of the commissioner under the Act, the conflicting provision of the Agreement (or direction) will be inoperative to the extent of the conflict.

29. The Contractor must comply with the provisions of this Schedule despite any conflicting provision of this Agreement or, subject to section 30, the law of any jurisdiction outside Canada.

30. Nothing in this Schedule requires the Contractor to contravene the law of any jurisdiction outside Canada unless such contravention is required to comply with the Act.

Schedule F – Additional Terms

- 1.1 If the Contractor solicits for, or enters into any discussions whatsoever for additional funds that may affect, or perceive to affect, any relevant article of this Agreement, and specifically those Services set out in Schedule A, the Contractor must inform the Province immediately;
- 1.2 If the Contractor receives funding for, or in respect of, the Services listed in Schedule A from any other source, the Contractor will provide to the Province within 30 days of receipt of funding a full and complete report to the satisfaction of the Province documenting the additional funding arrangement(s);
- 1.3 Where instructions to the Contractor from another funding source conflict with this Agreement or with the ISA, the Contractor will comply with this Agreement or the ISA and not with those conflicting instructions, regardless of the purpose for which the other funding is received.
- 1.4 The ISA will govern, should a conflict arise between a provision of this Agreement and the ISA.
- 1.5 **"UBC Capital Assets"** comprises tangible properties, such as land, buildings and equipment, and intangible properties, as identifiable assets that meet the following criteria:

- (i) are held for use in the provision of services, for administrative purposes, for production of Produced Materials or for the maintenance, repair, development or construction of other capital assets;*
- (ii) have been acquired, constructed or developed with the intention of being used on a continuing basis for operations;*
- (iii) are not intended for sale in the ordinary course of operations; and*
- (iv) are not held as part of a collection.*

The following is a list of "UBC Capital Assets" used to perform the services in this Agreement:

- a) Population Directory (set of identifiers used in coordinating linkages), except for MOH Information
- b) Validation programs / code
- c) Extraction software standardization tools (newfilt/extract)
- d) Linkage programs (lnkwtg/lnkcmp)
- e) Cohort/Control programs/code/algorithms
- f) Metadata Central, except for MOH Information
- g) SRE Servers / Software / Documentation / Admin Tools
- h) App Tracker / Spreadsheets
- i) Physical Infrastructure, Security System, Back-up Tapes
- j) Workshops, Training Courses, Presentations
- k) Forms / Templates / Manuals (except for the DAR)
- l) Policies and Procedures, PIA
- m) Contents of webpage and the Portal, except for MOH Information
- n) Contact lists, service records or other operational records or documents
- o) Agreements with other public bodies, including PopData-Researcher Service Agreements and Information Sharing Agreements with other public bodies.

Additions to the list of capital assets must be agreed upon by the Ministry and UBC.

For greater clarity, examples of Produced Materials include:

- i. MOH Information, as defined in the ISA
- ii. MOH Detailed Financial Report (MOH funds and Services)
- iii. MOH Deliverables pursuant to Schedule A of this Agreement

For greater clarity, the following are not Produced Materials:

- i. Non-MOH Information and products
- ii. Financial reports, other than for MOH funds

- 1.6 The Parties acknowledge that UBC will apply the Cost Recoveries as listed in Schedule A, Column I, to the Services listed in Schedule A, and agree to review with the Province all records of account and allocations of those Cost Recoveries mid-term of the Agreement Term.

Schedule G – Security Schedule

Definitions

1. In this Schedule,

- (a) "Equipment" means any equipment, including interconnected systems or subsystems of equipment, software and networks, used or to be used by the Contractor to provide the Services;
- (b) "Facilities" means any facilities at which the Contractor provides or is to provide the Services;
- (c) "Information" means information
 - (i) in the Material, or
 - (ii) accessed, produced or obtained by the Contractor (whether verbally, electronically or otherwise) as a result of the Agreement;
- (d) "Record" means a "record" as defined in the *Interpretation Act*;
- (e) "Sensitive Information" means
 - (i) Information that is "personal information" as defined in the *Freedom of Information and Protection of Privacy Act*, or
 - (ii) any other Information specified as "Sensitive Information" in Appendix G6, if attached; and
- (f) "Services Worker" means an individual involved in providing the Services for or on behalf of the Contractor and, for greater certainty, may include
 - (i) the Contractor if an individual, or
 - (ii) an employee or volunteer of the Contractor.

Schedule contains additional obligations

2. The obligations of the Contractor in this Schedule are in addition to any other obligations in the Agreement or the schedules attached to it relating to security including, without limitation, the obligations of the Contractor in the Privacy Protection Schedule, if attached.

Services Worker confidentiality agreements

3. The Contractor must not permit a Services Worker who is an employee or volunteer of the Contractor to have access to Sensitive Information unless the Services Worker has first entered into a confidentiality agreement with the Contractor to keep Sensitive Information confidential on substantially similar terms as those that apply to the Contractor under the Agreement.

Services Worker security screening

4. The Contractor may only permit a Services Worker who is an employee or a volunteer of the Contractor to have access to Sensitive Information or otherwise be involved in providing the Services if, after having subjected the Services Worker to the personnel security screening requirements set out in Appendix G1 and any additional requirements the Contractor may consider appropriate, the Contractor is satisfied that the Services Worker does not constitute an unreasonable security risk. The Contractor must create, obtain

and retain Records documenting the Contractor's compliance with the security screening requirements set out in Appendix G1 in accordance with the provisions of that appendix.

Services Worker activity logging

5. Subject to section 6, the Contractor must create and maintain detailed Records logging the activities of all Service Workers in relation to:
 - (a) their access to Sensitive Information; and
 - (b) other matters specified by the Province in writing for the purposes of this section.
6. The Records described in section 5 must be made and maintained in a manner, and contain information, specified in Appendix G2, if attached.

Facilities and Equipment protection and access control

7. The Contractor must create, maintain and follow a documented process to:
 - (a) protect Facilities and Equipment of the Contractor required by the Contractor to provide the Services from loss, damage or any other occurrence that may result in any of those Facilities and Equipment being unavailable when required to provide the Services; and
 - (b) limit access to Facilities and Equipment of the Contractor
 - (i) being used by the Contractor to provide the Services, or
 - (ii) that may be used by someone to access Informationto those persons who are authorized to have that access and for the purposes for which they are authorized, which process must include measures to verify the identity of those persons.
8. If the Province makes available to the Contractor any Facilities or Equipment of the Province for the use of the Contractor in providing the Services, the Contractor must comply with any policies and procedures provided to it by the Province on acceptable use, protection of, and access to, such Facilities or Equipment.

Sensitive Information access control

9. The Contractor must:
 - (a) create, maintain and follow a documented process for limiting access to Sensitive Information to those persons who are authorized to have that access and for the purposes for which they are authorized, which process must include measures to verify the identity of those persons; and
 - (b) comply with the information access control requirements set out in Appendix G3, if attached.

Integrity of Information

10. The Contractor must:
 - (a) create, maintain and follow a documented process for maintaining the integrity of Information while possessed or accessed by the Contractor; and
 - (b) comply with the information integrity requirements set out in Appendix G4, if attached.

11. For the purposes of section 10, maintaining the integrity of Information means that, except to the extent expressly authorized by the Agreement or approved in writing by the Province, the Information has:

- (a) remained as complete as when it was acquired or accessed by the Contractor; and
- (b) not been altered in any material respect.

Documentation of changes to processes

12. The Contractor must create and maintain detailed Records logging any changes it makes to the processes described in sections 7, 9 and 10.

Notice of security breaches

13. If Contractor becomes aware that:

- (a) unauthorized access, collection, use, disclosure, alteration or disposal of Information or Records containing Information; or
- (b) unauthorized access to Facilities or Equipment

has occurred or is likely to occur (whether or not related to a failure by the Contractor to comply with this Schedule or the Agreement), the Contractor must immediately notify the Province of the particulars of that occurrence or likely occurrence. If the Contractor provides a notification under this section other than in writing, that notification must be confirmed in writing to the Province as soon as it is reasonably practicable for the Contractor to do so.

Review of security breaches

14. If the Province decides to conduct a review of a matter described in section 13 (whether or not the matter came to the attention of the Province as a result of a notification under section 13), the Contractor must, on the request of the Province, participate in the review to the extent that it is reasonably practicable for the Contractor to do so.

Retention of Records

15. Unless the Agreement otherwise specifies, the Contractor must retain all Records in the Contractor's possession that contain Information until directed by the Province in writing to dispose of them or deliver them as specified in the direction.

Storage of Records

16. Until disposed of or delivered in accordance with section 15, the Contractor must store any Records in the Contractor's possession that contain Information in accordance with the provisions of Appendix G5, if attached.

Audit

17. In addition to any other rights of inspection the Province may have under the Agreement or under statute, the Province may, at any reasonable time and on reasonable notice to the Contractor, enter on the Contractor's premises to inspect and, at the Province's discretion, copy:
- (a) any Records in the possession of the Contractor containing Information; or

- (b) any of the Contractor's Information management policies or processes (including the processes described in sections 7, 9 and 10 and the logs described in sections 5 and 12) relevant to the Contractor's compliance with this Schedule

and the Contractor must permit, and provide reasonable assistance to the exercise by the Province of the Province's rights under this section.

Termination of Agreement

- 18. In addition to any other rights of termination which the Province may have under the Agreement or otherwise at law, the Province may, subject to any provisions in the Agreement establishing mandatory cure periods for defaults by the Contractor, terminate the Agreement by giving written notice of such termination to the Contractor, upon any failure of the Contractor to comply with this Schedule in a material respect.

Interpretation

- 19. In this Schedule, unless otherwise specified:
 - (a) references to sections are to sections of this Schedule; and
 - (b) references to appendices are to the appendices attached to this Schedule.
- 20. Any reference to the "Contractor" in this Schedule includes any employees retained by the Contractor to perform obligations under the Agreement and the Contractor must ensure that any such employee comply with this Schedule.
- 21. The appendices attached to this Schedule are part of this Schedule.
- 22. If there is a conflict between a provision in an appendix attached to this Schedule and any other provision of this Schedule, the provision in the appendix is inoperative to the extent of the conflict unless the appendix states that it operates despite a conflicting provision of this Schedule.
- 23. If there is a conflict between:
 - (a) a provision of the Agreement, this Schedule or an appendix attached to this Schedule; and
 - (b) a documented process required by this Schedule to be created or maintained by the Contractorthe provision of the Agreement, Schedule or appendix will prevail to the extent of the conflict.
- 24. The obligations of the Contractor in this Schedule will survive the termination of the Agreement.

SCHEDULE G – Appendix G1 – Security screening requirements

The personnel security screening requirements set out in this Appendix G1 are for the purpose of assisting the Contractor determine whether or not a Services Worker constitutes an unreasonable security risk.

Verification of name, date of birth and address

1. The Contractor must verify the name, date of birth and current address of a Services Worker by viewing at least one piece of "primary identification" of the Services Worker and at least one piece of "secondary identification" of the Services Worker,* as described in the table following this section. The Contractor must obtain or create, as applicable, Records of all such verifications and retain a copy of those Records. For a Services Worker from another province or jurisdiction, reasonably equivalent identification documents are acceptable.

| Primary Identification | Secondary Identification |
|--|--|
| <p>Issued by ICBC:</p> <ul style="list-style-type: none"> • B.C. driver's licence or learner's licence (must have photo) • B.C. Identification (BCID) card <p>Issued by provincial or territorial government:</p> <ul style="list-style-type: none"> • Canadian birth certificate <p>Issued by Government of Canada:</p> <ul style="list-style-type: none"> • Canadian Citizenship Card • Permanent Resident Card • Canadian Record of Landing/Canadian Immigration Identification Record | <ul style="list-style-type: none"> • School ID card (student card) • Bank card (only if holder's name is on card) • Credit card (only if holder's name is on card) • Passport • Foreign birth certificate (a baptismal certificate is not acceptable) • Canadian or U.S. driver's licence • Naturalization certificate • Canadian Forces identification • Police identification • Foreign Affairs Canada or consular identification • Vehicle registration (only if owner's signature is shown) • Picture employee ID card • Firearms Acquisition Certificate • Social Insurance Card (only if has signature strip) • B.C. CareCard • Native Status Card • Parole Certificate ID • Correctional Service Conditional Release Card |

*It is not necessary that each piece of identification viewed by the Contractor contains the name, date of birth and current address of the Services Worker. It is sufficient that, in combination, the identification viewed contains that information.

Verification of education and professional qualifications

2. The Contractor must verify, by reasonable means, any relevant education and professional qualifications of a Services Worker, obtain or create, as applicable, Records of all such verifications, and retain a copy of those Records.

Verification of employment history and reference checks

3. The Contractor must verify, by reasonable means, any relevant employment history of a Services Worker, which will generally consist of the Contractor requesting that a Services Worker provide employment references and the Contractor contacting those references. If a Services Worker has no relevant employment history, the Contractor must seek to verify the character or other relevant personal characteristics of the Services Worker by requesting the Services Worker to provide one or more personal references and contacting those references. The Contractor must obtain or create, as applicable, Records of all such verifications and retain a copy of those Records.

Security interview

4. The Contractor must allow the Province to conduct a security-focused interview with a Services Worker if the Province identifies a reasonable security concern and notifies the Contractor it wishes to do so.

Exhibit 2

("the Services")

Population Data BC FY 2011/2012 Services for the Ministry of Health

| | | | | | | A: Population Data BC GROSS TOTAL | B: Cost recovery | | | |
|---|---|--|---|--|---|--|------------------------|-------------------------------------|---|-----|
| | | Deliverables | Performance Measure | Produced Materials and Standard Reporting | Allocation type and why | Population Data BC GROSS TOTAL | Est'd Cost recovery | MOH Portion of GROSS TOTAL | Percent MOH portion vis PopData gross total per service line | |
| 1 | DATA ACQUISITION, LINKAGE and EXTRACTION SERVICES | | | | | | | | | |
| a | Research data management work | | | | | | | | | |
| | i | Acquire data provided by the Province under Information Sharing Agreement | * Technical assessment of usability * Data quality report following each data import | Data quality report provided to MOH within 30 days of confirmed data receipt | *MOH material only, standard reporting | NUMBER: doesn't rely on the content of the data per se. | \$124,020 | \$0 | \$57,049 | 46% |
| | ii | - Clean Data - Verify Data (certify for use) - Establish data linkage (pre-emptive link) capability - secure storage | *Separate Content Data from Identifiers *Upload and store data provided to the University by the Province *Secure off-site data back-up, per the Information Sharing Agreement * secure systems for storage and access of data holdings * Production of confirmation report annually to MOH | * Content and Identifiers separated within 7 days of receipt * Secure offsite backup minimum 6 times / year | * Confirmation of backups that performance measures are met | EFFORT: involves working with the data itself. | \$84,404 | \$0 | \$57,395 | 68% |
| | iii | Perform Data Linkage and associated ID management on intake of new data sets, as authorized by MOH, and as per Appendix F of the Information Sharing Agreement | * Linkages performed per Appendix A and Appendix F of the Information Sharing Agreement * Linkage rates reporting | * Pre-emptive Linkage performed with all MOH datasets where authorizations exist | Linkage rate report for MOH and public viewing | EFFORT: the bulk of linkage work involves MOH data; quarterly imports of R&PB. | \$69,000 | \$0 | \$46,920 | |

| | | | | | | | | | |
|---|--|---|--|---|--|-----------|----------|-----------|-----|
| iv | Maintain a Secure Research Environment (SRE) for use of Research Extracts -installation and support of data analysis software -provision of research extract -storage and back-ups -monitoring of SRE use -development of SRE documentation to help researchers use SRE effectively | * Operational and documented Secure Research Environment for data extracts * SRE reports available monthly for all data stewards * SRE documentation to help researchers available publicly and for all data stewards | * SRE availability 24/7 * SRE downtime < 5% * SRE access changes implemented within one week of notification * web based handbook (etc) for SRE use, access, etc. | Standard reporting Web-based handbook - for public viewing | NUMBER: isn't affected by the content of the data. | \$111,002 | \$34,420 | \$51,061 | 46% |
| Research data preparation and extraction for approved Data Access Requests | | | | | | | | | |
| i | Prepare accurate and appropriate Research Extracts as per Research Agreements, including programming for the cohort/study population definitions and extracting approved data | * Timely research data preparation consistent with Research Agreements * Confirmation of data deliveries to MOH | * Research extracts to researcher within 3 months of full approvals in place, provided it is an actionable request | Standard Reporting | EFFORT: Involves working with the data itself. | \$253,041 | \$42,451 | \$172,068 | 68% |

| 2 PROJECT TRACKING AND PROJECT CLOSURE SERVICES | | | | | | | | | |
|---|---|--|---|---|---------------------------------------|----------|-----|----------|------|
| 1 Research Agreement support | | | | | | | | | |
| a | Track Data Access Requests / Research Agreements -data approved for release -data linkages in process/ done - data provided - data deliveries remaining -data outstanding -future updates approved/ scheduled -data scheduled for closure/ destruction | * Ongoing operations and communications in weekly teleconference | * Tracking current within one week | Standard Reporting | NUMBER: not related to data contents. | \$88,912 | \$0 | \$40,900 | 46% |
| b | Actively manage Research Agreements - Data delivery to researcher or in SRE - SRE access: initiate and turn off as necessary - data deliveries: track outstanding - pre-publication reviews -ethics approvals and renewals -retention period expiry (reminders to extend or destroy data) | * Standardized quarterly report, or as applicable on project status and compliance (all instances of misuse, etc): projects falling out of good standing * Project-specific access controls on SRE *UBC to ensure prepublication reviews managed directly by MOH and coordinate accordingly | * Report available one month after quarter end * Notification to MOH of non-compliance within 24 hours of confirmation * SRE access available within one week of data being available | MOH specific quarterly report on projects falling out of good standing / status report - To remain Confidential | NUMBER: Not related to data contents. | \$70,344 | \$0 | \$32,358 | 46% |
| c | Project closure of historical projects (pre-2006) | * Implementation of Project Closure Protocol (or other protocols as necessary) on remaining 180 projects | 180 projects = \$297 / project ACTIONED for a maximum of \$53,476 To be billed at 50%, 75% and 100% or whichever is applicable at fiscal year end. | Report on project closure | n/a | \$53,476 | \$0 | \$53,476 | 100% |

APPLICATION INTAKE AND SUPPORT SERVICES

| | | | | | | | | | |
|---|---|--|---|---|---|-----------|----------|----------|-----|
| a | <p>Coordination needs: researcher</p> <ul style="list-style-type: none"> - Provide researchers with information needed to support application/amendment development - Respond to inquiries regarding data holdings and variables - Direct applicants to other information sources as required/requested - Provide advice to applicants on design of their studies, in accordance with data access policies of data stewards - Transfer applications/amendments to third parties as requested - Transfer completed applications to data stewards for review <p>Coordinate Data Steward review of Data Access Requests and Amendments, including with third parties</p> | <p>* Handle all application/ amendment requests, including application development and coordination with other Data Stewards</p> <p>* Applicants receive accurate advice and support to design studies and write applications for data that are accurate, fully documented, and compliant with data access policies of data stewards</p> | <p>1. "Clean application" and "gold standard" definitions complete by Q1-end</p> <p>2. Production of "gold standard" checklist in collaboration with MOH</p> <p>3. 100% of submitted applications meet "clean application" definition by Q2</p> | <p>*Standard Reporting</p> <p>* "Gold Standard" Checklist</p> | <p>VOLUME: Taking last three years of applications, and the frequency with which they are attributed by Data Steward.</p> | \$129,888 | \$17,210 | \$63,695 | 49% |
|---|---|--|---|---|---|-----------|----------|----------|-----|



The Best Place on Earth

| | | | | | | | | | |
|--|---|---|---|--|---|--------------------|------------------|------------------|--------------|
| | <p>Coordination needs: Public Bodies</p> <ul style="list-style-type: none"> - Provide researchers with necessary information regarding data access - Ensure requests to public bodies are complete and in line with public body needs / policies - Ensure public bodies are up to date with communications regarding a project, in particular regarding other public body adjudications - Identify and meet common needs for application processes to improve efficiency and accountability - Work with public bodies and their staff to develop and implement materials, processes, procedures to support their efficiency (e.g. project summaries) | <ul style="list-style-type: none"> * MoH receives clean applications ready for review, with known issues addressed as far as is feasible * Increasingly streamlined, efficient application processing * Coordinate re-submission(s) of returned applications with MOH; * Provide risk assessment/mitigation report for each research extract, as applicable (i.e. cell size minimum reconciliation, etc.) | <ul style="list-style-type: none"> * Implement new PopData application numbering scheme - Q1-Q2 * Devise 'new' queue-management metrics in collaboration with MOH | <p>Standard Reporting and new queue-management metric template with implementation in agreement with MOH</p> | <p>VOLUME: Taking last three years of applications, and the frequency with which they are attributed by Data Steward.</p> | \$227,200 | \$14,915 | \$111,416 | 49% |
| | | | | | | <u>\$1,211,288</u> | <u>\$108,996</u> | <u>\$686,337</u> | <u>56.7%</u> |

| Population Data BC FY 2012/2013 Services for the Ministry of Health | | | | | | Inflation | 0.02 | | | |
|---|---|---|--|---|---|-----------|-----------------------------------|---------------------|----------------------------|--|
| | | | | | | | A: Population Data BC GROSS TOTAL | B: Cost recovery | | |
| | | Deliverables | Performance Measure | Produced Materials and Standard Reporting | Allocation type and why | | Population Data BC GROSS TOTAL | Est'd Cost recovery | MOH Portion of GROSS TOTAL | Percent MOH portion vis PopData gross total per service line |
| DATA ACQUISITION, LINKAGE and EXTRACTION SERVICES | | | | | | | | | | |
| Research data management work | | | | | | | | | | |
| i | Acquire data provided by the Province under Information Sharing Agreement | * Technical assessment of usability * Data quality report following each data import | Data quality report provided to MOH within 30 days of confirmed data receipt | *MOH material only, standard reporting | NUMBER: doesn't rely on the content of the data per se. | | \$126,500 | \$0 | \$58,190 | 46% |
| ii | - Clean Data - Verify Data (certify for use) - Establish data linkage (pre-emptive link) capability - secure storage | *Separate Content Data from Identifiers *Upload and store data provided to the University by the Province *Secure off-site data back-up, per the Information Sharing Agreement * secure systems for storage and access of data holdings * Production of confirmation report annually to MOH | * Content and Identifiers separated within 7 days of receipt * Secure offsite backup minimum 6 times / year | * Confirmation of backups that performance measures are met | EFFORT: involves working with the data itself. | | \$86,092 | \$0 | \$58,543 | 68% |

| | | | | | | | | | |
|---|--|---|--|--|--|-----------|----------|-----------|-----|
| iii | Develop core data documentation | 1. All MOH data documentation updated 2. Enhanced documentation development, ad-hoc 3. Extract of MOH data documentation sent at fiscal year end, or as requested | 1. Updated documentation transferred to UBC web system for viewing, per restricted access guidelines/levels provided by MOH data steward 2. As required, per mutual agreement | MOH-specific data documentation content | EFFORT: involves working with the data itself; MOH documentation tends to be more challenging given it is outdated | \$58,066 | \$0 | \$39,485 | 68% |
| iv | Perform Data Linkage and associated ID management on intake of new data sets, as authorized by MOH, and as per Appendix F of the Information Sharing Agreement | * Linkages performed per Appendix A and Appendix F of the Information Sharing Agreement * Linkage rates reporting | * Pre-emptive Linkage performed with all MOH datasets where authorizations exist | Linkage rate report for MOH and public viewing | EFFORT: the bulk of linkage work involves MOH data; quarterly imports of R&PB. | \$70,379 | \$0 | \$47,858 | 68% |
| v | Maintain a Secure Research Environment (SRE) for use of Research Extracts -installation and support of data analysis software -provision of research extract -storage and back-ups -monitoring of SRE use -development of SRE documentation to help researchers use SRE effectively | * Operational and documented Secure Research Environment for data extracts * SRE reports available monthly for all data stewards * SRE documentation to help researchers available publicly and for all data stewards | * SRE availability 24/7 * SRE downtime < 5% * SRE access changes implemented within one week of notification * web based handbook (etc) for SRE use, access, etc. | Standard reporting Web-based handbook - for public viewing | NUMBER: isn't affected by the content of the data. | \$113,222 | \$34,420 | \$52,082 | 46% |
| Research data preparation and extraction for approved Data Access Requests | | | | | | | | | |
| i | Prepare accurate and appropriate Research Extracts as per Research Agreements, including programming for the cohort/study population definitions and extracting approved data | * Timely research data preparation consistent with Research Agreements * Confirmation of data deliveries to MOH | * Research extracts to researcher within 3 months of full approvals in place, provided it is an actionable request | Standard Reporting | EFFORT: Involves working with the data itself. | \$258,102 | \$42,451 | \$175,509 | 68% |

| PROJECT TRACKING | | | | | | | | | |
|----------------------------|---|---|---|---|---------------------------------------|----------|-----|----------|-----|
| Research Agreement support | | | | | | | | | |
| a | Track Data Access Requests / Research Agreements -data approved for release -data linkages in process/ done - data provided - data deliveries remaining -data outstanding -future updates approved/ scheduled -data scheduled for closure/ destruction | * Ongoing operations and communications in weekly teleconference | * Tracking current within one week | Standard Reporting | NUMBER: not related to data contents. | \$90,690 | \$0 | \$41,718 | 46% |
| b | Actively manage Research Agreements - Data delivery to researcher or in SRE - SRE access: initiate and turn off as necessary - data deliveries: track outstanding - pre-publication reviews -ethics approvals and renewals -retention period expiry (reminders to extend or destroy data) | * Standardized quarterly report, or as applicable on project status and compliance (all instances of mis-use, etc): projects falling out of good standing * Project-specific access controls on SRE *UBC to ensure prepublication reviews managed directly by MOH and coordinate accordingly | * Report available one month after quarter end * Notification to MOH of non-compliance within 24 hours of confirmation * SRE access available within one week of data being available | MOH specific quarterly report on projects falling out of good standing / status report - To remain Confidential | NUMBER: Not related to data contents. | \$71,751 | \$0 | \$33,005 | 46% |

| 3 APPLICATION INTAKE AND SUPPORT SERVICES | | | | | | | | | |
|---|---|---|---|---|--|-----------|----------|----------|-----|
| a | <p>Coordination needs: researcher</p> <ul style="list-style-type: none"> - Provide researchers with information needed to support application/amendment development - Respond to inquiries regarding data holdings and variables - Direct applicants to other information sources as required/requested - Provide advice to applicants on design of their studies, in accordance with data access policies of data stewards - Transfer applications/amendments to third parties as requested - Transfer completed applications to data stewards for review <p>Coordinate Data Steward review of Data Access Requests and Amendments, including with third parties</p> | <p>* Handle all application/ amendment requests, including application development and coordination with other Data Stewards</p> <p>*Applicants receive accurate advice and support to design studies and write applications for data that are accurate, fully documented, and compliant with data access policies of data stewards</p> | <p>1. "Clean application" and "gold standard" definitions complete by Q1-end</p> <p>2. Production of "gold standard" checklist in collaboration with MOH</p> <p>3. 100% of submitted applications meet "clean application" definition by Q2</p> | <p>*Standard Reporting</p> <p>* "Gold Standard" Checklist</p> | <p>VOLUME:</p> <p>Taking last three years of applications, and the frequency with which they are attributed by Data Steward.</p> | \$132,486 | \$17,210 | \$64,969 | 49% |

| | | | | | | | | | |
|---|---|---|---|---|---|--------------------|------------------|------------------|--------------|
| c | <p>Coordination needs: Public Bodies</p> <ul style="list-style-type: none"> - Provide researchers with necessary information regarding data access - Ensure requests to public bodies are complete and in line with public body needs / policies - Ensure public bodies are up to date with communications regarding a project, in particular regarding other public body adjudications - Identify and meet common needs for application processes to improve efficiency and accountability - Work with public bodies and their staff to develop and implement materials, processes, procedures to support their efficiency (e.g. project summaries) | <ul style="list-style-type: none"> * MoH receives clean applications ready for review, with known issues addressed as far as is feasible * Increasingly streamlined, efficient application processing * Coordinate re-submission(s) of returned applications with MOH; * Provide risk assessment/mitigation report for each research extract, as applicable (i.e. cell size minimum reconciliation, etc.) | <ul style="list-style-type: none"> * Implement new PopData application numbering scheme - Q1-Q2 * Devise 'new' queue-management metrics in collaboration with MOH | Standard Reporting and new queue-management metric template with implementation in agreement with MOH | VOLUME: Taking last three years of applications, and the frequency with which they are attributed by Data Steward. | \$231,744 | \$14,915 | \$113,644 | 49% |
| | | | | | | <u>\$1,239,035</u> | <u>\$108,996</u> | <u>\$685,004</u> | <u>56.7%</u> |

| Population Data BC FY 2013/2014 Services for the Ministry of Health Services | | | | | | inflation | 0.02 | | | |
|--|---|---|--|---|---|-----------------------------------|---------------------|----------------------------|--|--|
| | | | | | | A: Population Data BC GROSS TOTAL | B: Cost recovery | | | |
| | | Deliverables | Performance Measure | Produced Materials and Standard Reporting | Allocation type and why | Population Data BC GROSS TOTAL | Est'd Cost recovery | MOH Portion of GROSS TOTAL | Percent MOH portion vis PopData gross total per service line | |
| DATA ACQUISITION, LINKAGE and EXTRACTION SERVICES | | | | | | | | | | |
| Research data management work | | | | | | | | | | |
| i | Acquire data provided by the Province under Information Sharing Agreement | * Technical assessment of usability * Data quality report following each data import | Data quality report provided to MOH within 30 days of confirmed data receipt | *MOH material only, standard reporting | NUMBER: doesn't rely on the content of the data per se. | \$129,030 | \$0 | \$59,354 | 46% | |
| ii | - Clean Data - Verify Data (certify for use) - Establish data linkage (pre-emptive link) capability - secure storage | *Separate Content Data from Identifiers *Upload and store data provided to the University by the Province *Secure off-site data back-up, per the Information Sharing Agreement * secure systems for storage and access of data holdings * Production of confirmation report annually to MOH | * Content and Identifiers separated within 7 days of receipt * Secure offsite backup minimum 6 times / year | * Confirmation of backups that performance measures are met | EFFORT: involves working with the data itself. | \$87,814 | \$0 | \$59,714 | 68% | |

| | | | | | | | | | |
|-----|--|---|---|--|--|-----------|----------|----------|-----|
| iii | Perform Data Linkage and associated ID management on intake of new data sets, as authorized by MOH, and as per Appendix F of the Information Sharing Agreement | <ul style="list-style-type: none"> * Linkages performed per Appendix A and Appendix F of the Information Sharing Agreement * Linkage rates reporting | <ul style="list-style-type: none"> * Pre-emptive Linkage performed with all MOH datasets where authorizations exist | Linkage rate report for MOH and public viewing | EFFORT: the bulk of linkage work involves MOH data; quarterly imports of R&PB. | \$71,787 | \$0 | \$48,815 | 68% |
| iv | Maintain a Secure Research Environment (SRE) for use of Research Extracts -installation and support of data analysis software -provision of research extract -storage and back-ups -monitoring of SRE use -development of SRE documentation to help researchers use SRE effectively | <ul style="list-style-type: none"> * Operational and documented Secure Research Environment for data extracts * SRE reports available monthly for all data stewards * SRE documentation to help researchers available publicly and for all data stewards | <ul style="list-style-type: none"> * SRE availability 24/7 * SRE downtime < 5% * SRE access changes implemented within one week of notification * web based handbook (etc) for SRE use, access, etc. | Standard reporting Web-based handbook - for public viewing | NUMBER: isn't affected by the content of the data. | \$115,487 | \$34,420 | \$53,124 | 46% |

| Research data preparation and extraction for approved Data Access Requests | | | | | | | | | |
|--|---|--|--|--------------------|---|-----------|----------|-----------|-----|
| i | Prepare accurate and appropriate Research Extracts as per Research Agreements, including programming for the cohort/study population definitions and extracting approved data | <ul style="list-style-type: none"> * Timely research data preparation consistent with Research Agreements * Confirmation of data deliveries to MOH | <ul style="list-style-type: none"> * Research extracts to researcher within 3 months of full approvals in place, provided it is an actionable request | Standard Reporting | EFFORT: Involves working with the data itself. | \$263,264 | \$42,451 | \$179,020 | 68% |

| PROJECT TRACKING | | | | | | | | | |
|----------------------------|---|--|---|---|---------------------------------------|----------|-----|----------|-----|
| Research Agreement support | | | | | | | | | |
| a | Track Data Access Requests / Research Agreements -data approved for release -data linkages in process/ done - data provided - data deliveries remaining -data outstanding -future updates approved/ scheduled -data scheduled for closure/ destruction | * Ongoing operations and communications in weekly teleconference | * Tracking current within one week | Standard Reporting | NUMBER: not related to data contents. | \$92,504 | \$0 | \$42,552 | 46% |
| b | Actively manage Research Agreements - Data delivery to researcher or in SRE - SRE access: initiate and turn off as necessary - data deliveries: track outstanding - pre-publication reviews -ethics approvals and renewals -retention period expiry (reminders to extend or destroy data) | * Standardized quarterly report, or as applicable on project status and compliance (all instances of misuse, etc): projects falling out of good standing * Project-specific access controls on SRE *UBC to ensure prepublication reviews managed directly by MOH and coordinate accordingly | * Report available one month after quarter end * Notification to MOH of non-compliance within 24 hours of confirmation * SRE access available within one week of data being available | MOH specific quarterly report on projects falling out of good standing / status report - To remain Confidential | NUMBER: Not related to data contents. | \$73,186 | \$0 | \$33,665 | 46% |

| APPLICATION INTAKE AND SUPPORT SERVICES | | | | | | | | | |
|---|---|--|--|---|--|-----------|----------|----------|-----|
| a | <p>Coordination needs: researcher</p> <ul style="list-style-type: none"> - Provide researchers with information needed to support application/amendment development - Respond to inquiries regarding data holdings and variables - Direct applicants to other information sources as required/requested - Provide advice to applicants on design of their studies, in accordance with data access policies of data stewards - Transfer applications/amendments to third parties as requested - Transfer completed applications to data stewards for review <p>Coordinate Data Steward review of Data Access Requests and Amendments, including with third parties</p> | <p>* Handle all application/ amendment requests, including application development and coordination with other Data Stewards</p> <p>* Applicants receive accurate advice and support to design studies and write applications for data that are accurate, fully documented, and compliant with data access policies of data stewards</p> | <ol style="list-style-type: none"> 1. "Clean application" and "gold standard" definitions complete by Q1-end 2. Production of "gold standard" checklist in collaboration with MOH 3. 100% of submitted applications meet "clean application" definition by Q2 | <p>*Standard Reporting</p> <p>* "Gold Standard" Checklist</p> | <p>VOLUME:</p> <p>Taking last three years of applications, and the frequency with which they are attributed by Data Steward.</p> | \$135,136 | \$17,210 | \$66,268 | 49% |

| | | | | | | | | | |
|-------------------------------|---|---|---|---|---|--------------------|------------------|------------------|--------------|
| c | <p>Coordination needs: Public Bodies</p> <ul style="list-style-type: none"> - Provide researchers with necessary information regarding data access - Ensure requests to public bodies are complete and in line with public body needs / policies - Ensure public bodies are up to date with communications regarding a project, in particular regarding other public body adjudications - Identify and meet common needs for application processes to improve efficiency and accountability - Work with public bodies and their staff to develop and implement materials, processes, procedures to support their efficiency (e.g. project summaries) | <ul style="list-style-type: none"> * MOH receives clean applications ready for review, with known issues addressed as far as is feasible * Increasingly streamlined, efficient application processing * Coordinate re-submission(s) of returned applications with MOH; * Provide risk assessment/mitigation report for each research extract, as applicable (i.e. cell size minimum reconciliation, etc.) | <ul style="list-style-type: none"> * Implement new PopData application numbering scheme - Q1-Q2 * Devise 'new' queue-management metrics in collaboration with MOH | Standard Reporting and new queue-management metric template with implementation in agreement with MOH | VOLUME: Taking last three years of applications, and the frequency with which they are attributed by Data Steward. | \$236,379 | \$14,915 | \$115,917 | 49% |
| DISCRETIONARY PROJECTS | | | | | | | | | |
| a | Discretionary Projects | | | | n/a | \$55,636 | \$0 | \$55,636 | 100% |
| | | | | | | | | | |
| | | | | | | <u>\$1,260,224</u> | <u>\$108,996</u> | <u>\$714,065</u> | <u>56.7%</u> |

-Exhibit 3-

Schedule B – Fees and Expenses

1. MAXIMUM AMOUNT PAYABLE:

Maximum Amount: Despite sections 2 and 3 of this Schedule, \$1,530,200 is the maximum amount which the Province is obliged to pay to the Contractor for fees and expenses under this Agreement (exclusive of any applicable taxes described in section 3.1(c) of this Agreement). Maximum payments per fiscal year are as follows:

- FY 11/12- Maximum = \$500,000
- FY 12/13 – Maximum = \$510,000
- FY 13/14 – Maximum = \$520,200

A **one-time Advance Deposit** of \$125,000 - the maximum amount allocated by the Province for quarterly payment to the Contractor - is due by the Province 30 days from the date of this amendment, and will be applied to the Services rendered by the Contractor for quarter four, fiscal year 2011/2012. The total payment to the Contractor for fiscal year 2011/2012 shall not exceed \$500,000.

2. FEES:

Quarterly Invoicing by the Contractor to the Province for performing the Services during the Term.

3. EXPENSES:

None

4. STATEMENTS OF ACCOUNT:

1. **Statements of Account:** In order to obtain payment of any fees and expenses under this Agreement, the Contractor must deliver to the Province a written statement of account for the period from and including the 21st day of April 2011 ("April 01," for each subsequent fiscal year during the Term) to and including the 30th day of June 2011, and every third month thereafter until the end of the Term, 31st day of March 2014, containing:

- (a) the Contractor's legal name and address;
- (b) the date of the statement;
- (c) the Contractor's calculation of all fees claimed under this Agreement, including a declaration that the Services for which the Contractor claims fees have been completed;
- (d) a chronological listing, in reasonable detail, of any expenses claimed by the Contractor with receipts attached, if applicable, and, if the Contractor is claiming reimbursement of any HST or other applicable taxes paid or payable by the Contractor in relation to those expenses, a description of any credits, rebates, refunds or remissions the Contractor is entitled to from the relevant taxation authorities in relation to those taxes;

- (e) the Contractor's calculation of all applicable taxes payable by the Province in relation to the Services;
 - (f) a description of this Agreement to which the statement relates;
 - (g) a statement number for identification; and
 - (h) any other billing information reasonably requested by the Province.
2. Payments Due: Within 30 days of the Province's receipt of the Contractor's quarterly written statement of account delivered in accordance with this Schedule, the Province must pay the Contractor the fees and expenses (plus all applicable taxes) claimed in the statement if they are in accordance with this Schedule. Statements of account or contract invoices offering an early payment discount may be paid by the Province as required to obtain the discount.

-- Exhibit 4 --

SCHEDULE G – Appendix G1 – Security screening requirements

The personnel security screening requirements set out in this Appendix G1 are for the purpose of assisting the Contractor determine whether or not a Services Worker constitutes an unreasonable security risk.

Verification of name, date of birth and address

1. The Contractor must verify the name, date of birth and current address of a Services Worker by viewing at least one piece of "primary identification" of the Services Worker and at least one piece of "secondary identification" of the Services Worker,* as described in the table following this section. The Contractor must obtain or create, as applicable, Records of all such verifications and retain a copy of those Records. For a Services Worker from another province or jurisdiction, reasonably equivalent identification documents are acceptable.

| Primary Identification | Secondary Identification |
|--|--|
| <p>Issued by ICBC:</p> <ul style="list-style-type: none"> • B.C. driver's licence or learner's licence (must have photo) • B.C. Identification (BCID) card <p>Issued by provincial or territorial government:</p> <ul style="list-style-type: none"> • Canadian birth certificate <p>Issued by Government of Canada:</p> <ul style="list-style-type: none"> • Canadian Citizenship Card • Permanent Resident Card • Canadian Record of Landing/Canadian Immigration Identification Record | <ul style="list-style-type: none"> • School ID card (student card) • Bank card (only if holder's name is on card) • Credit card (only if holder's name is on card) • Passport • Foreign birth certificate (a baptismal certificate is not acceptable) • Canadian or U.S. driver's licence • Naturalization certificate • Canadian Forces identification • Police identification • Foreign Affairs Canada or consular identification • Vehicle registration (only if owner's signature is shown) • Picture employee ID card • Firearms Acquisition Certificate • Social Insurance Card (only if has signature strip) • B.C. CareCard • Native Status Card • Parole Certificate ID • Correctional Service Conditional Release Card |

*It is not necessary that each piece of identification viewed by the Contractor contains the name, date of birth and current address of the Services Worker. It is sufficient that, in combination, the identification viewed contains that information.

Verification of education and professional qualifications

2. The Contractor must verify, by reasonable means, any relevant education and professional

qualifications of a Services Worker, obtain or create, as applicable, Records of all such verifications, and retain a copy of those Records.

Verification of employment history and reference checks

3. The Contractor must verify, by reasonable means, any relevant employment history of a Services Worker, which will generally consist of the Contractor requesting that a Services Worker provide employment references and the Contractor contacting those references. If a Services Worker has no relevant employment history, the Contractor must seek to verify the character or other relevant personal characteristics of the Services Worker by requesting the Services Worker to provide one or more personal references and contacting those references. The Contractor must obtain or create, as applicable, Records of all such verifications and retain a copy of those Records.

Security interview

4. The Contractor must allow the Province to conduct a security-focused interview with a Services Worker if the Province identifies a reasonable security concern and notifies the Contractor it wishes to do so.

Criminal history check

5. The Contractor must arrange for and retain documented results of a criminal history check on a Services Worker obtained through the Services Worker's local policing agency. Criminal history checks must be repeated as necessary to ensure that at all times the most recent criminal history check on a Services Worker was completed within the previous five years.