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Genetic Counselling Guide (short version)

For: 'Precision Diagnosis for Indigenous Families with Genetic Conditions' study (Activity 2 of 'Silent Genomes' Project)

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Table of Contents

Intro	duction	2
Part :	1: Indigenous Cultural Safety	
I.	What is Indigenous Cultural Safety?	4
н.	How Can I Facilitate Indigenous Cultural Safety?	6
III.	How Will We Know if Indigenous Cultural Safety Has Been Achieved?	9
IV.	References for Part 1	9
v.	Readings and Other Resources (required and supplemental)	

Part 2: Genetic Counselling for *Precision Diagnosis* Study

I.	Guiding Principles for Genetic Counselling	19
II.	Potential Genetic Counselling Challenges	20
III.	References for Part 2	.24
IV.	Genetic Counsellor Training Checklist	.25

INTRODUCTION

The aim of this document is to support genetic counsellors and other healthcare professionals working on the research study '*Precision Diagnosis for Indigenous Families with Genetic Conditions*' (herein referred to as the '*Precision Diagnosis*' study). This study is Activity 2 of a larger project, '*Silent Genomes: Reducing Healthcare Disparities and Improving Diagnostic Success for Indigenous Children with Genetic Disease*' (https://bcchr.ca/silent-genomes-project).

This guide provides an overview of the training, guiding principles, attitudes, and responsibilities required of the study team to foster cultural safety for the Indigenous families taking part in this study. It also includes resource materials and a detailed plan for the study enrollment session, and thus serves as a practical guide for study genetic counsellors.

This guide was developed by Sarah McIntosh and Karen Jacob, *Precision Diagnosis* study genetic counsellors in British Columbia, with valuable contributions from Laurie Montour and Brittany Morgan, community engagement coordinators with the *Silent Genomes* project. Special thanks to Leah Ballantyne and Kennedy Borle for their review and feedback, and to Lawrence Gillman for his help with formatting.

We encourage the use of Parts 1 and 2 of this document for educational purposes (including presentations), as long as the source and authors are acknowledged. Editing or publication of this document may only be done with the written permission of the lead authors. Part 3 is only for internal use of the Silent Genomes study team. © Sarah McIntosh and Karen Jacob, 2019

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Precision Diagnosis Genetic Counselling Guide, v.3, 06 January 2021

PART 1: INDIGENOUS CULTURAL SAFETY



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It is well documented that Indigenous Peoples* in Canada experience a disproportionate burden of health issues due to colonization, which has contributed to intergenerational trauma, systemic racism, oppression, and government policies that continue to exist today to perpetuate these inequities. In the

current era of genomic medicine, there is significant potential for further widening of the health gap, due to Indigenous Peoples having barriers to accessing genomic technologies and precision diagnosis.

*Throughout this guide, *Indigenous Peoples* includes First Nations (status and non-status), Inuit, and Métis people.

Yes, but why is this relevant to our research study?...

The overarching goal of the *Precision Diagnosis* study, and the larger *Silent Genomes* Project in which it is embedded, is to **promote equity in genomic diagnosis** for Indigenous Peoples in Canada, specifically by increasing access to genomic medicine. By offering whole genome sequencing technology and the possibility of precision diagnosis and improved healthcare to 200 Indigenous (First Nations, Inuit, and Métis) families across Canada with undiagnosed monogenic diseases, the *Precision Diagnosis* study is one step towards bridging the 'genomics divide'. Given the social, political and historical contexts of Indigenous health and healthcare delivery, it is imperative that Genetic Counsellors and other healthcare providers engaging with the families participating in this study are committed to the delivery of **culturally safe care**. Cultural safety is the backbone of the *Precision Diagnosis* study and, without it, the study and its goal of reducing health disparities will not be achievable.

I. What is Indigenous Cultural Safety?

Cultural Safety is a broad concept, first developed in New Zealand in the 1980s in response to Indigenous Māori Peoples' negative experiences in the healthcare system. It is an approach that considers how social and historical contexts, as well as structural and interpersonal power imbalances, shape health and health care experiences. It focuses on the **systemic issues** driving health inequality, and requires healthcare providers to consider as the subtle and overt forms of racism, discrimination and prejudice and engage in **self-reflection** about how their own attitudes, beliefs, assumptions and values influence their practice.¹

Cultural safety takes us beyond <u>cultural awareness</u>, which simply acknowledges differences between cultures, and <u>cultural sensitivity</u>, which recognizes the importance of respecting differences. It also surpasses <u>cultural competence</u>, which reduces culture into a set of 'skills' and knowledge for the practitioner to learn, and <u>cultural humility</u>, which focuses on a practitioner being a humble and open learner. All of these other approaches are incorporated into cultural safety, but none are sufficient in themselves to create cultural safety (see Table 1).^{1,2}

Learning and becoming aware of cultural safety does not necessarily make an individual or organization 'culturally safe'. For healthcare practitioners, cultural safety requires an ongoing commitment to **lifelong learning**. It is something we will continue to work at – a process that never stops.

Learning never stops!

It is worth noting that the continued self-reflection and learning, and the

commitment to social justice and fairness required for becoming a culturally safe practitioner, are also key aspects of the *Code of Ethics for Canadian Genetic Counsellors*.³

Concept	Description
Cultural Awareness	An attitude that includes awareness of the differences between cultures.
Cultural Sensitivity	An attitude that recognizes the differences between cultures and that these differences are important to acknowledge in health care.
Cultural Competency	An approach that focuses on practitioners attaining skills, knowledge, and attitudes to work in more effective and respectful ways with people of different cultures.
Cultural Humility	An approach to health care based on humble acknowledgement of oneself as a learner when it comes to understanding a person's experience. A life-long process of learning and being self-reflective.
Cultural Safety	An approach that incorporates all concepts above, but also considers how social and historical contexts, as well as structural and interpersonal power imbalances, shape health and health care experiences. Practitioners are self- reflective/self-aware with regard to their position of power and the impact of this role in relation to patients.
	"Safety" is defined by those who receive the service, not by those who provide it.

Table 1. How cultural safety differs from other concepts. Adapted from Ward, C et al (2016)²

II. How Can I Facilitate Cultural Safety for Indigenous Clients/Patients?

Genetic Counsellors, as patient-centred practitioners and health advocates skilled at building respectful non-directive relationships with culturally diverse clients, are uniquely poised to facilitate Cultural Safety for Indigenous clients. However, extra skills and learning are necessary to understand Canada's damaging history with Indigenous Peoples, how this shapes health outcomes and healthcare experiences to the present day, and to commit to a path of reconciliation and health partnership.

What can I do, as a Genetic Counsellor?

- 1. Complete an Indigenous Cultural Safety (ICS) in Healthcare course offered through your Institution, or by an Indigenous organization.
 - ICS courses bring awareness to the social and historical contexts and power imbalances shaping Indigenous health outcomes and healthcare experiences, and promote a practice of selfreflection, humility, and lifelong learning.
 - This will be your introduction to cultural safety...the groundwork that you can build further on.
- Take responsibility for your own learning.²
 Read, reflect and ask questions. Commit to lifelong learning.²

Be prepared to be uncomfortable.

Taking an ICS Course is required!

All genetic counsellors or research coordinators across Canada who will be engaging with families in the *Precision Diagnosis* study are required to take an ICS in Healthcare course.

- As soon as you are hired for the Precision Diagnosis study, please contact Sarah McIntosh (Precision Diagnosis genetic counsellor in Victoria, B.C.) at sarahmc@uvic.ca to organize your ICS training.
- If an adequate ICS course is not available at your institution, Sarah will arrange for your enrollment in the San'yas Core ICS Health Training online course offered by the Provincial Health Services Authority in B.C.: <u>http://www.sanyas.ca/</u>

Readings & Resources

See **section IV (p.10-16)** for a list of readings and other resources to facilitate learning and cultural safety. Please note that completion of some of these resources is **required**, while others are <u>suggested</u> to enhance your practice.

Understanding our history of colonialism, the impact of systemic racism and damaging government policies, and the history of unethical research in Indigenous populations is an ongoing and difficult task.²

Learn about the Indigenous communities that your healthcare institution serves. What are the names of those communities? Population size? What languages are spoken? What proportion of people are residing on- and off-reserve?

- Learn whose traditional Indigenous territory your home and healthcare institution are located on – what is the name of the First Nation or community whose lands you now occupy? How did your home, institution, city end up being on this land?
- Learn about the residential Schools and 'Indian hospitals' that existed in your province or territory. What was the name of the residential School and Indian hospital located closest to you? What dates were they in operation? Are you familiar with some of the stories of those institutions?
- Learn about the health statistics in your Province, region or Institution how do they differ between Indigenous and non-Indigenous peoples?
- Learn about the continuing education opportunities available to you. Are there any Indigenous organizations or cultural safety educators available in your area to provide an educational session in your workplace? Participate in webinars, presentations, podcasts, and other events focused on Indigenous health and cultural safety (see 'Readings and Resources' in Section IV for suggestions).

3. Identify resources available to Indigenous clients/patients in your area.

- Is there an Indigenous patient liaison or patient navigator at your healthcare institution? If so, introduce yourself and find out what his/her role is and how they may be able to help your clients/patients.
- Are there culturally safe spaces at your institution for Indigenous clients?
- Find out what healthcare support & other support services are available in the Indigenous communities near you.

4. Get comfortable acknowledging traditional territories.

- Find out what the protocol is for acknowledging traditional Indigenous territory(ies) during presentations or events.
- On one hand, it may be preferred that every speaker acknowledges the territory on which they stand/work at the beginning of each presentation or event. On the other hand, it

Traditional Territory Acknowledgement

See if your academic institution is listed in the Canadian Association of University Teachers (CAUT) 'Guide to Acknowledging First Peoples and Traditional Territory' ⁴

Example of Territory acknowledgement for the University of Victoria in B.C.:

'We acknowledge and respect the Lekwungen-speaking Peoples on whose traditional territories the university stands and the Songhees, Esquimalt and <u>W</u>SÁNEĆ peoples whose historical relationships with the land continue to this day.'

may be protocol that only an Elder or other leader acknowledges the territory.

5. Take time for self-reflection.^{2,5}

Get to know your own assumptions and biases. Question everything you have 'learned' about Indigenous people and take steps to actively disrupt the stereotypes.²

- After each session with a research participant, reflect on your practice by asking questions such as:
 - Was I inclusive?
 - Was I respectful?What more can I
 - learn?
 - What can I do better next time?

You Will Get Better at This!

You won't be perfect. We all make mistakes. We all have a lot to learn. Being 'culturally safe' is not a place one arrives at, but rather a lifelong journey.

6. Reach out for help.

- Don't be afraid to ask for help if you are unsure about how to go about something, or if you are struggling with the weight of your learning and responsibilities. We all get overwhelmed at times.
- Sarah McIntosh, Precision Diagnosis genetic counsellor in Victoria, is available as a mentor to talk through issues without judgement. You may also find local support from other colleagues or the Indigenous Patient Liaison(s) at your institution.
- Identify who you can reach out to. It may be an Indigenous co-worker or partner, but please keep in mind to not make them feel 'tokenized'. It may also be a non-Indigenous co-worker who has years of experience being a strong ally and advocate for Indigenous Peoples and communities.
- Indigeneity is very diverse and certain advice and protocols may differ between Indigenous Peoples, communities, and regions. Do not assume that advice or approval from one Indigenous person represents all

Indigenous voices.

7. Put cultural safety into action! ^{2,5}

- Systems don't change.
 Individual people change and then change the system!
- Even small changes in how you do things can add up to a big change over time.
- Your words and actions are observed by others and set the tone.

Translate Learning into Action – 'It starts with me' ³

There are many small, simple opportunities for action at every turn - you just have to look for them. Some ideas...

Reflect upon what you can personally do, and what your workplace can do to respond to the Truth & Reconciliation Commission's 'Calls to Action'.

Speak out against racism & support others who do.

Advocate for culturally safe approaches and protocols and explain why they work for you and your clients.

Challenge barriers to cultural safety.

III. How Will We Know if Indigenous Cultural Safety Has Been Achieved?

Cultural safety is an outcome defined and experienced by those *receiving the service*. Therefore, whether cultural safety has been achieved within the *Precision Diagnosis* study can only be voiced by the Indigenous research participants themselves. If participants feel safe and empowered as a result of engaging in trusting and respectful partnerships with our research team, then cultural safety will have been achieved.^{1,2}

REFERENCES – Part 1: Indigenous Cultural Safety

- Bourassa C, McElhaney J and Oleson E. Cultural Safety. Webpublish Queen's University, October 2016. Weblink: <u>https://www.queensu.ca/sps/sites/webpublish.queensu.ca.spswww/files/files/Events/Conferences</u> /RCAP/Papers/Bourassa RCAP conceptsOct2016.pdf. Accessed 06 January 2021.
- Ward C, Branch C and Fridkin A. What is Indigenous cultural safety and why should I care about it? Visions. 2016, 206: 11(4):29-32. Weblink: <u>http://www.heretohelp.bc.ca/visions/indigenous-people-vol11/what-is-indigenous-cultural-safety-and-why-should-i-care-about-it</u>. Accessed 06 January 2021.
- Canadian Association of Genetic Counsellors. Code of ethics for Canadian genetic counsellors. 2006. Weblink: <u>https://www.cagc-accg.ca/doc/code%20of%20ethics%20e-070628.pdf</u>. Accessed 06 January 2021.
- Canadian Association of University Teachers (CAUT). Guide to Acknowledging First Peoples and traditional territory. Weblink: <u>https://www.caut.ca/content/guide-acknowledging-first-peoples-</u> <u>traditional-territory</u>. Accessed 06 January 2021.
- First Nations Health Authority. *#itstartswithme*. Cultural safety and humility: Key drivers and ideas for change. Weblink: <u>http://www.fnha.ca/Documents/FNHA-Cultural-Safety-and-Humility-Key-Drivers-and-Ideas-for-Change.pdf</u>. Accessed 06 January 2021.

IV. READINGS AND RESOURCES

Table 2. A list of resources that are required (∨) or suggested for Genetic Counsellors working on the *Precision Diagnosis* study.

Indigenous Cultural Safety Courses	Description	Required?
San'yas Core Indigenous Cultural Safety (ICS) Health Training online course, offered by the Provincial Health Services Authority in B.C.: http://www.sanyas.ca/ (or similar healthcare-focused ICS course offered in your region)	Completion of a healthcare-focused ICS course is required before you engage with research participants. As soon as you are hired for the <i>Precision Diagnosis</i> study, please contact Sarah McIntosh at <u>sarahmc@uvic.ca</u> to discuss your ICS course. Typically these courses are Indigenous-led, online, and self-paced and include a total of ~8-10 hours training. If an adequate ICS course is not available at your Institution, Sarah will arrange for your enrollment in the San'yas Core ICS Health Training online course.	
Indigenous Canada: a Massive Open Online Course offered by the Faculty of Native Studies at the University of Alberta https://www.ualberta.ca/admissions-programs/online-courses/indigenous-canada/index.html	This 12-week course (2-3 hrs/week) is offered for free (or for a modest fee to receive a certificate). The online format includes video lectures, quizzes, and recommended readings. Taught from Indigenous perspectives, this course explores key issues facing Indigenous peoples today from a historical and critical perspective highlighting national and local Indigenous-settler relations. It is not focused on healthcare, and is geared towards anyone who is interested in acquiring a baseline understanding of Indigenous/non-Indigenous relationships.	

Introductory Readings	Description	Required?
Truth and Reconciliation Commission (TRC) of Canada: TRC Calls to Action (2015) http://trc.ca/assets/pdf/Calls to Action English2.pdf	Calls to Action: specific calls for action to redress the legacy of residential schools and advance reconciliation in Canada. *pay special attention to the HEALTH Calls (#18-24)*	✓
Honoring the Truth, Reconciling for the Future: Summary of the Final Report of the TRC (2015) http://www.trc.ca/assets/pdf/Executive Summary English Web.pdf More TRC resources available at: http://www.trc.ca/about-us/trc-findings.html	Summary of Final Report: review of the history and legacy of residential schools, and a summary of the findings of the TRC.	
United Nations Declaration of the Rights of Indigenous Peoples (2007) https://www.un.org/esa/socdev/unpfii/documents/DRIPS_en.pdf	Describes individual and collective rights of Indigenous peoples around the world. It offers guidance on cooperative relationships with Indigenous peoples to states, the United Nations, and other international organizations based on the principles of equality, partnership, good faith and mutual respect.	
Ward C, Branch C and Fridkin A. What is cultural safety- and why should I care about it? Visions. 2016, 11(4):29-32. http://www.heretohelp.bc.ca/sites/default/files/visions-indigenous-people-vol11.pdf	Explains what cultural safety is, and why it is important.	

Podcasts & Videos	Description	Required?
Lifting of the Makutu (documentary). This critically-acclaimed documentary tells of how a trusting and mutually beneficial partnership between a clinical geneticist and a Maori family led to the discovery of the gene variant causing a rare, lethal genetic condition. <u>https://vimeo.com/104886969</u>	Documentaries and interviews featuring physicians and other advocates sharing the truths, challenges, and future hopes for Indigenous health and reconciliation.	
Mansbridge One on One: Dr. Nadine Caron, Canada's first female Indigenous surgeon (video, 16 December 2020). Peter Mansbridge sits down with Canada's first female Indigenous surgeon, Dr. Nadine Caron. Every day, she sees the impact that racism has on her patientsand, on her, as their doctor. https://www.youtube.com/watch?v=4JdSUMK99qY		
CBC The Current (04 April 2018). Dr. Shannon McDonald - You don't belong here': Integrating Indigenous 'cultural humility' into health care <u>https://www.cbc.ca/radio/thecurrent/features/facing-race/you-don-t-belong-here-integrating-indigenous-cultural-humility-into-health-care-1.4520698</u>		
CBC The Current (10 March 2017). Dr. Michael Kirlew – <i>'Our Complacency Will be Paid for in Full with Children's Lives'</i> <u>https://www.cbc.ca/radio/thecurrent/the-current-for-march-10-2017-1.4017653/our-complacency-will-be-paid-for-in-full-with-children-s-lives-warns-indigenous-health-care-advocate-1.4017780</u>		
CBC The Sunday Edition (05 August 2016). Canada: The story of a separate and unequal healthcare system https://www.cbc.ca/radio/thesundayedition/revolver-at-50-canada-s-history-of-segregated- healthcare-frog-march-firings-penny-lang-1.3707673/the-story-of-a-separate-and-unequal-canadian- health-care-system-1.3707678		
CBC The Current (21 June 2016) . <i>Meet Dr. Nadine Caron, Canada's First Female First Nations Surgeon</i> . <u>https://www.cbc.ca/radio/thecurrent/the-current-for-june-21-2016-1.3644974/meet-dr-nadine-caron-canada-s-first-female-first-nations-surgeon-1.3645029</u>		
CBC The Current (29 January 2013) . <i>State of care: Canada's segregated health care.</i> Documentary, Stephanie Law. <u>https://www.cbc.ca/radio/thecurrent/state-of-care-documentary-canada-s-segregated-health-care-1.1470423</u>		

Healthcare-Related Webinars	Description	Required?
First Nations Health Authority- Cultural Safety and Cultural Humility Webinar Series: https://www.fnha.ca/wellness/cultural-humility Indigenous Cultural Safety Collaborative Learning Series: http://www.icscollaborative.com/webinars Mr. Joe Gallagher, CEO First Nations Health Authority of BC: Bringing Cultural Safety and Humility to Medical Practice, Plenary session for the College of Physicians and Surgeons of BC Education Day, 14 September 2018. https://www.youtube.com/watch?v=a1B2rPYbNKg	Webinars to encourage learning about Indigenous cultural safety, self-reflection and positive change amongst healthcare professionals.	
Research Ethics and Guidelines	Description	Required?
TCPS2 Policy Statement: Canadian Institutes of Health Research, Natural Sciences and Engineering Research Council of Canada, and Social Sciences and Humanities Research Council of Canada, Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans, December 2018. http://pre.ethics.gc.ca/eng/documents/tcps2-2018-en-interactive-final.pdf Online TCPS2 Course on Research Ethics (CORE): https://tcps2core.ca/welcome	Core ethical policies for carrying out research involving humans. *Chapter 9 is focused on research involving Indigenous Peoples* Reading the policy document is required. In addition, your REB may require research team members to successfully complete the online TCPS2 CORE tutorial as part of the REB approval process.	

First Nations Ownership, Control, Access and Possession (OCAP™) Principles: The First Nations Information Governance Centre. Ownership, Control, Access and Possession (OCAP™): The Path to First Nations Information Governance. May 2014. https://ktpathways.ca/system/files/resources/2019- 02/ocap path to fn information governance en final.pdf	Set of standards for how First Nations data should be collected, protected, used and shared. Reading pages 4-13 of the OCAP publication is <u>required</u> .	\checkmark
 First Nations Information Governance Centre (FNIGC) OCAP website: <u>https://fnigc.ca/ocap-training/</u> Video (2:36 min): 'Understanding the First Nations Principles of OCAP™: Our Road Map to Information Governance' <u>https://www.youtube.com/watch?v=SNpZw3DI4S4</u> 	Additional website, video, and online course options are suggested.	
Self-guided online course: 'The Fundamentals of OCAP™' <u>https://fnigc.ca/ocap-</u> <u>training/take-the-course/</u>		
DNA on Loan: Arbour L and Cook D. DNA on Loan: Issues to Consider When Carrying out Genetic Research with Aboriginal Families and Communities. <i>Community Genet</i> ics. 2006, 9:153–160. https://www.uvic.ca/medsci/assets/docs/other/DNA_on_loan.pdf	Guides how DNA from Indigenous research participants should be collected, stored, and used. DNA is 'on loan' to researchers rather than owned by researchers.	√
International Guidelines: Garrison NA, Hudson M, Ballantyne LL, Garba I, Martinez A, Taualii M, Arbour L, Caron NR, Rainie SC. Genomic research through an Indigenous lens: Understanding the expectations. Annual Review of Genomics and Human Genetics. 2019, 20:495- 517. https://www.annualreviews.org/doi/pdf/10.1146/annurev-genom-083118-015434	Comparative analyses of research guidelines from Canada, New Zealand, Australia, and the United States that pertain to Indigenous peoples. These papers identify areas that need attention, support Indigenous-led governance, and promote the development of a model research policy framework for genomic research and health care that has international relevance for Indigenous peoples.	

International Guidelines (continued):		
Taniguchi, NK, Taualii, M, and Maddock, J. A comparative analysis of Indigenous research guidelines to inform genomic research in Indigenous communities. <i>The International Indigenous Policy Journal</i> . 2012, 3(1). <u>https://ojs.lib.uwo.ca/index.php/iipj/article/view/7367/6011</u>		
History of Harmful Research in Indigenous Communities	Description	Required?
Indian (Havasupai) Tribe Wins Fight to Limit Research of Its DNA - THE NEW YORK TIMES, 21 April 2010. https://archive.nytimes.com/www.nytimes.com/2010/04/22/us/22dna.html	Media report of the misuse of Havasupai DNA for unapproved genetic studies, and the resulting lawsuit.	
Genetic Researcher Uses Nuu-chah-nulth Blood for Unapproved Studies in Genetic Anthropology- HA-SHILTH-SAH NEWSPAPER, 21 Sept 2000. https://hashilthsa.com/archive/news/2013-07-22/genetic-researcher-uses-nuu-chah-nulth-blood- unapproved-studies-genetic-anthNuu-chah-nulth Blood Returns to West Coast – HA-SHILTH-SAH NEWSPAPER, 16 Dec 2004. https://www.igb.illinois.edu/sites/default/files/Wiwchar%202004%20Nuu-chah-nulth.pdf	Media reports of the misuse of Nuu-chah- nulth DNA for unapproved genetic studies, and the return of blood samples to the communities. This case led to development of 'DNA on Loan' principles.	
MacDonald NG, Stanwick R and Lynk, A. Canada's shameful history of nutrition research on residential school children: the need for strong medical ethics in Aboriginal health research (editorial). <i>Paediatric Child Health</i> . 2014, 19(2):64. <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3941673/pdf/pch19064.pdf</u> Owens, B. Canada used hungry Indigenous children to study malnutrition. <i>Nature</i> <i>News</i> , 23 July 2013.	Articles and media reports on the immoral nutritional experiments Canadian government scientists carried out on Indigenous children in the 1940s-1950s.	
https://www.nature.com/news/canada-used-hungry-indigenous-children-to-study-malnutrition- 1.13425 Sick Kids Website Must Reflect Immoral Research on Indigenous Children, THE STAR 25 July 2018. https://www.thestar.com/opinion/contributors/2018/07/22/sick-kids-website-must-reflect-immortal- research-on-indigenous-children.html	Articles and media reports on the immoral nutritional experiments Canadian government scientists carried out on Indigenous children in the 1940s-1950s.	

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Books	Description	Required?
 Canadian Broadcasting Corporation (CBC) book recommendations: > 35 books to read for National Indigenous History Month. June 1 2020. <u>https://www.cbc.ca/books/35-books-to-read-for-national-indigenous-history-month-1.5585489</u> > Indigenous authors recommend books all Canadians should read. March 20, 2018. <u>https://www.cbc.ca/radio/unreserved/how-indigenous-authors-are-claiming-space-in-the-canlit-scene-1.4573996/indigenous-authors-recommend-books-all-canadians-should-read-1.4575751</u> Gray Smith, M. Tilly: A story of hope and resilience. SONO NIS PRESS. February 1 2014. 	A variety of fictional and non-fictional books written about the history of colonialism and Indigenous Peoples in Canada.	
Joseph, B. 21 Things you may not know about the Indian Act: Helping Canadians make reconcilliation with Indigenous peoples a reality . Page Two Books, Inc. April 2018.		
King, T. The inconvenient truth: A curious account of Native people in North America. Doubleday Canada, 2012.		
Lux, M. Separate beds: A history of Indian hospitals in Canada, 1920s-1980s. University of Toronto Press, Scholarly Publishing Division; 1 edition. March 14 2016.		
Sellars, B. Price paid: The fight for First Nations survival. Talonbooks. September 5, 2016.		
Sellars, B. They called me number one: secrets and survival at an Indian residential school. Talonbooks. April 15, 2012.		
Sterling, S. My name is Seepeetza. Groundwood Books. November 1, 1992.		
Talaga, T. Seven fallen feathers: Racism, death and hard truths in a northern city. House of Anansi Press. September 30, 2017.		
Wagamese, R. Indian horse. Douglas & McIntyre. January 27, 2012. Film adaptation, premiered in 2017: <u>http://www.indianhorse.ca/</u>		
Weatherford, J. Indian Givers: How the Indians of the Americas transformed the world. Ballantine Books. November 29, 1989.		

Websites	Description	Required?
Silent Genomes Project - Resources for Best Practices in Genetics/Genomics Research and Clinical Care for Indigenous Peoples webpage: www.bcchr.ca/silent-genomes-project/research-communities	Collection of resources for community members, health care providers and researchers who are working in the area of genetics/genomics. This webpage aims to promote optimal research practices and ensure the safety of Indigenous Peoples engaged in research.	
Government of Canada - Indigenous Peoples and Communities webpage: https://www.rcaanc-cirnac.gc.ca/eng/1100100013785/1529102490303	Information, maps, and statistics about Indigenous Peoples and Indigenous initiatives in Canada.	
National Congress of American Indians (NCAI) Policy Research Center: https://www.ncai.org/policy-research-center/initiatives/projects/genetics-resource-center includes the American Indian and Alaska Native Genetics Research Resource Guide: Tools for Tribal Leaders and Citizens (2012)	Resources to provide tribes and Indigenous peoples with the tools to make informed decisions about genetic research.	

PART 2: GENETIC COUNSELLING FOR PRECISION DIAGNOSIS STUDY



PART 2: GENETIC COUNSELLING FOR PRECISION DIAGNOSIS STUDY

I. GUIDING PRINCIPLES FOR GENETIC COUNSELLING

Given the long history of systemic racism and oppression, damaging government policies and institutions, and harmful relationships with unethical researchers and academics, it is imperative for Genetic Counsellors working with Indigenous families to have a deep understanding of the larger social and historical context surrounding their counselling interactions and how this may affect the patient-practitioner relationship and patient care. Genetic Counsellors must be mindful of the trepidation some patients may feel when entering a health facility or research study, demonstrate empathy and understanding, and be guided by the following principles that will help establish trust and build mutually respectful partnerships.

Guiding Principles	What they look like in practice:
Transparency	Open and honest engagement at all times; presenting all information needed for decision-making; not hiding any policies, protocols or information that patients would want to know; addressing all questions; admitting your limitations and being honest if you do not know something.
Humility	Being humble and eager to listen and learn from others; seeing yourself as a life-long learner; acknowledging that you are not always right; knowing that you are no more important than anyone else; integrating self-reflection into your practice.
Partnership	Minimizing the power differentials inherent in healthcare delivery; building respectful patient-practitioner relationships in which power and learning is shared. Patients are not passive receivers but rather powerful players in the relationship.
Flexibility	Having an open mind and the ability to build partnerships with those with differing world views, beliefs and values; ability to think outside of the box and problem-solve effectively when encountering new situations or hurdles.

Table 3. Guiding Principles for Genetic Counsellors to establish trust and build genuine, respectfulpartnerships with Indigenous clients.

Self-determination	Facilitating patient-centred care; ensuring that patients can make free and informed choices; valuing Indigenous Peoples' self-determination, as described by the <i>Ownership Control Access and Possession (OCAP)</i> Principles; allowing as much time as needed for decision-making (no pressure)
Accountability	Taking responsibility for your actions; being answerable to your patients, partners and stakeholders; doing what you say you will do; owning and communicating any mistakes you may make.

II. POTENTIAL GENETIC COUNSELLING CHALLENGES

This section looks at specific areas of the Genetic Counselling interaction that may prove challenging, and provides ideas for building better partnerships with Indigenous clients.

The term 'challenges' is used in the context of the level of cultural safety experience and education a Genetic Counsellor has working with Indigenous Peoples and communities. Not all Genetic Counsellors will encounter the challenges below, but it helps to be prepared.

Challenges:	What Helps?
Building Trust and Rapport Sharing of information and building relationships is tied to TRUST. Due to the history of broken promises and harmful experiences with healthcare providers and researchers, it may be more difficult to establish trust with Indigenous clients. It will likely take LONGER to build rapport.	 Have knowledge of our colonial history and resulting barriersBe aware of experiences your client may be walking in with. Take time! Accept a slower pace, do not pressure. Allow a session to go longer if needed. Contract longer at the beginning of session. Become comfortable with silence. Do not interpret a slower pace or silence as ineffectiveness. Listen more and talk less. Try to ensure the client has finished speaking before you contribute to the conversation.

Table 4. Common challenges in Genetic Counselling and tips for working through them.

Assessing Pedigrees	
Clarifying biological vs non-biological relationships can be challenging due to wide definition of 'family', fluid guardianship, the disproportionate number of Indigenous children in foster care, and the fracturing of families due to the impacts of colonization. Asking family history information often inadvertently bring the history of family deaths/suicides, residential schools, 60's scoop, Indian hospitals, family separations, and other traumatic events to the surface.	 At the start, spend more time explaining the background reason for pedigree-taking and why we emphasize biological relationships Plan more time to collect pedigree information Be prepared to clarify biological vs non-biological relationships –e.g. adoptions within and between families may be common, terms like 'auntie', 'uncle' and 'cousin' are often used to describe various relationships (including non-biological), families may not consider it important to distinguish full-sibs from half-sibs Be sensitive and tread lightly. Emphasize at the beginning that client can ask you to stop at any time if they feel uncomfortable.
Logistical Barriers Many logistical barriers to following the study protocol or providing care may be encountered, including: long distance travel for rural clients to access services; lack of transportation; lack of health/counselling services in local community; burden of personal out-of- pocket expenses for healthcare or travel; difficulty contacting clients.	 Be flexible and think outside of the box – is there another way something can be accomplished? Be an advocate – help your client problem-solve so they can access health services. Seek help – build connections with agencies, community support workers, local health centres and Indigenous patient liaisons who can advocate on behalf of your client.
Collective Decision-Making Drawing strength from family and community. Indigenous clients may be more likely to involve family members or other community members in decision- making.	 Support the inclusion of individuals your client chooses to involve in decision-making, but also check-in with your client individually. Be open to liaising with other family members, if requested by your client and if they give consent to share information.

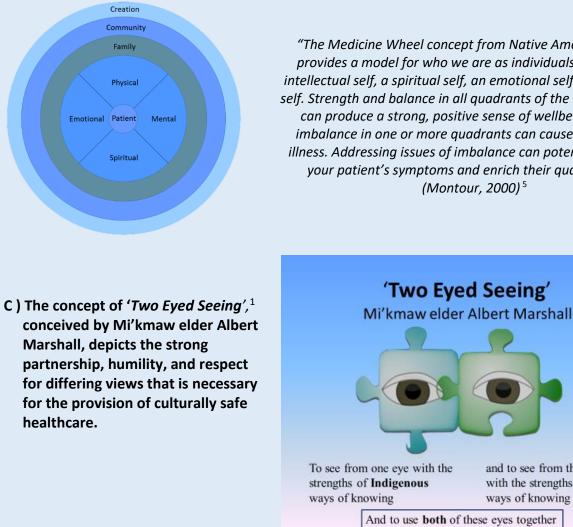
Differing Views on Health and	
Wellness Clients may have different world views and beliefs about spirituality, disease etiology, use of traditional medicine/healing practices	 Be open to different ideas of 'wellness'. Recognize the Western medicine bias of our profession. Ask about clients' own views of wellness and coping strategies. <u>Do not assume</u> everybody uses traditional healing practices. Consider the concept of 'two eyed seeing'¹, which may apply in some situations. Recognize that Western medicine and Indigenous ways of knowing, including traditional healing practices, can usually work together and are not mutually exclusive (see Box 1,C).
Recognizing Importance of Spirituality in Health Many, but not all, Indigenous families have spiritual beliefs and practices that are integrated into all aspects of life, and are important for health, coping, and well- being.	 Studies indicate that Genetic Counsellors may be <u>less</u> religious/spiritual than the general population, and often do not incorporate spiritual assessment into their counselling sessions.^{2,3} In open-ended interviews, 8 out of 10 Gitxsan women identified spirituality as a major factor facilitating their coping with a diagnosis of Long QT syndrome in their family.⁴ Do not assume all Indigenous clients are 'spiritual', but work at getting more comfortable asking if and how clients' spiritual views may relate to health and genetics.

Box 1. Examples of Indigenous Ways of Knowing That May Contribute to Client's Views on Health and Well-Being and Influence Healthcare Approaches.

A) Common differences between Western and Indigenous values and beliefs.⁴

Western Cultural Values & Beliefs	Indigenous Cultural Values & Beliefs	
Individual autonomy	Sociocentric (connection to family,	
	community, natural & spirit world)	
Individualism	Collectivism	
Linear	Circular	

B) A holistic view of health is common for Indigenous Peoples. Some First Nations use the concept of the Medicine Wheel to visually depict the layers and connections that contribute to the health of individuals and communities. Medicine Wheel Image from: Huisman. L (2010).⁴



"The Medicine Wheel concept from Native American culture provides a model for who we are as individuals. We have an intellectual self, a spiritual self, an emotional self, and a physical self. Strength and balance in all quadrants of the Medicine Wheel can produce a strong, positive sense of wellbeing, whereas imbalance in one or more quadrants can cause symptoms of illness. Addressing issues of imbalance can potentially diminish your patient's symptoms and enrich their quality of life." (Montour, 2000)⁵

Precision Diagnosis Genetic Counselling Guide, v.3, 06 January 2021

and to see from the other eye

with the strengths of Western

ways of knowing

III. REFERENCES - Part 2: Genetic Counselling for Precision Diagnosis Study

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10. Canadian Association of Genetic Counsellors (CAGC). **Genetic Non-Discrimination Act-fact sheet**. <u>https://www.cagc-accg.ca/doc/S201%20fact%20sheet%20-%20final%20copy%20-</u> <u>%20May%2017%202017.pdf</u>. Dated 17 May 2017; Accessed 06 January 2021.

Precision Diagnosis Genetic Counselling Guide, v.3, 06 January 2021

IV. <u>Genetic Counsellor/Genetic Assistant Training Checklist</u> (V.1, 29 Oct 2018)

Silent Genomes (Activity 2) Study – *Precision Diagnosis for Indigenous Families with Genetic Conditions*

Name: _____

Required Training Activity	Complete? (tick box)	Date Completed
Indigenous Cultural Safety (ICS) in Health Course Name of course:		
Review Genetic Counselling Guide for Precision Diagnosis Study		
Required Reading: Truth and Reconciliation Commission (TRC) of Canada: <i>Calls to Action</i>		
Required Reading: TCPS Policy Statement (with special attention on Chapter 9)		
Required Reading: First Nations OCAP Principles, pages 4-9		
Required Reading: DNA on Loan		

Please complete the above training activities as soon as possible after hire.

Upon completion, please email completed form to:

Sarah McIntosh (Victoria site genetic counsellor): <u>sarahmc@uvic.ca</u> and Karen Jacob (Vancouver site genetic counsellor and study coordinator): <u>karen.jacob@bcchr.ca</u>