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# Access, Relationships, Quality and Safety (ARQS): a qualitative study to cocreate an Indigenous patient experience tool for virtual primary care

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#### **ABSTRACT**

**Background** Perspectives from Indigenous peoples and their primary care providers about the quality and impacts of virtual primary care for Indigenous patients are currently limited. This study engaged Indigenous patients and their primary care providers, resulting in four domains being established for an Indigenous patient experience tool for use in virtual primary care. In this paper, we explore the development and finalisation of the Access, Relationships, Quality and Safety (ARQS) tool.

Methods We re-engaged five Indigenous patient participants who had been involved in the semistructured interviews that established the ARQS tool domains. Through cognitive interviews, we tested the tool statements, leading to modifications. To finalise the tool statements, an Indigenous advisory group was consulted. **Results** The ARQS tool statements were revised and finalised with twelve statements that reflect the experiences and perspectives of Indigenous patients. **Discussion** The ARQS tool statements assess the four domains that reflect high-quality virtual care for Indigenous patients. By centring Indigenous peoples and their lived experience with primary care at every stage in the tool's development, it captures Indigenous-centred understandings of high-quality virtual primary care and has validity for use in virtual primary care settings. Conclusion The ARQS tool offers a promising way for Indigenous patients to provide feedback and for clinics to measure the quality and safety of virtual primary care practice on the provider and/or clinic level. This is important, as such feedback may help to promote improvements in virtual primary care delivery for Indigenous patients and more widely, may help advance Indigenous health equity.

## **BACKGROUND**

Colonialism, racism and discrimination have impacted the health of Indigenous peoples by producing social, political and economic disparities, widening the existing health inequities between Indigenous and non-Indigenous peoples.<sup>1-4</sup> Historical trauma<sup>5</sup> continues to impact Indigenous peoples, considering Canada's colonial history of

#### WHAT IS ALREADY KNOWN ON THIS TOPIC

⇒ The ARQS tool was developed through qualitative research with Indigenous patients, healthcare providers that work with Indigenous patients and an Indigenous advisory group. We identified and defined the four main domains for high-quality Indigenous virtual primary care, which are access, relationships, quality and safety.

#### WHAT THIS STUDY ADDS

- ⇒ This study builds on the four domains that were identified for high-quality Indigenous virtual care and focuses on the cocreated development of the ARQS tool statements, which meaningfully capture Indigenous-centred understandings of quality virtual primary care.
- ⇒ Through cognitive interviews and advisory group input, we developed and finalized the ARQS tool statements, which reflect and assess the four domains.
- ⇒ The ARQS tool has validity for use in virtual primary care settings, where it can gauge and support improvements in the quality of care for Indigenous patients.

## HOW THIS STUDY MIGHT AFFECT RESEARCH, PRACTICE OR POLICY

⇒ The ARQS tool can be implemented to collect data on the patient/provider level and/or the clinic level to improve the quality of care for Indigenous patients. The tool has the potential for practice improvement in virtual primary care settings.

assimilative policies and practices such as residential schools and the Sixties Scoop, which have had devastating health consequences.<sup>4</sup> Health systems have embedded within them colonial structures that perpetuate existing health inequities and often create a hierarchy between Indigenous and non-Indigenous knowledges and practices, altogether dismissing or minimising the importance of Indigenous peoples' perspectives and healing practices. These issues are not



new, as underfunding, violations of individual integrity and autonomy, the failure to address Indigenous people's needs and low standards of care have plagued Canada's health services provision for Indigenous peoples. Significant barriers exist for Indigenous people in accessing healthcare, which include Indigenous-specific racism, stereotyping, discrimination, communication issues, lack of healthcare options, feelings of isolation, lack of privacy, mistrust of the system, not being involved in decision-making and concerns about policies. To address the health inequalities of Indigenous peoples, it is critical that Indigenous perspectives and healing practices be integrated within primary healthcare and primary care, including in virtual care settings.

Generally, primary healthcare, as per the comprehensive World Health Organization (WHO) definition within the 1978 Declaration of Alma-Ata, is proposed to be the cornerstone of healthcare, 11 and a pathway by which Indigenous health equity can be advanced. 12 The Declaration of Alma-Ata put forth that all people have a right to health and that communities should be engaged to participate in the planning, organisation, operation and control of primary healthcare, prioritising self-reliance and self-determination. 11 13 First Nations, Métis and Inuit peoples have expanded the concept to include culture, language, balance, life control, education, material resources, social resources and environmental connection, otherwise understood as social determinants of health. 14 15 Primary care, generally recognised as distinctive from primary healthcare both internationally and in the Canadian context, refers to the more specific concept of 'family doctor-type' services that are provided to individuals to address basic, everyday health needs. These services have shifted towards virtual care modalities and in recent years, that shift has been accelerated by the COVID-19 pandemic.

Globally, virtual care is being invested in for health promotion, facilitating self-management and improving access to care. Virtual care, as defined by the Women's College Hospital Institute for Health Systems Solutions and Virtual Care is described as 'any interaction between patients and/or members of their circle of care, occurring remotely, using any forms of communication or information technologies, with the aim of facilitating or maximizing the quality and effectiveness of patient care.'16 While the provision of health-related services and information using telecommunications-based technologies is one model of care that has received federal investment as a means to address some of the challenges related to accessing primary care for Indigenous peoples, 17 18 the rapid transition from in-person to remote-based approaches when COVID-19 emerged drew attention to how patients could continue to access and experience care virtually. 19 20 Barriers to receiving healthcare, and primary care in particular, were exacerbated by COVID-19. A 2021 study showed that across Canada, virtual 'walkin' clinics have increased nationwide, but that concerns about equitable access and continuity of care remain.<sup>21</sup>

This highlights the importance of reliable virtual primary care for both Indigenous and non-Indigenous patients, particularly in cases where there are pre-existing health inequities, exacerbating geographical and/or systemic barriers to accessing primary care that were present prior to COVID-19. The COVID-19 pandemic has offered a unique opportunity, in that it has tested pre-existing virtual care models and has demonstrated the growing need of virtual care as both a complementary and alternative means of delivering healthcare. Furthermore, we suggest that the COVID-19 pandemic highlighted the opportunity to build on the successes of virtual primary care, and most importantly, to address the specific needs of Indigenous peoples in virtual primary care settings.

For Indigenous peoples who live in rural, remote, northern and geographically isolated communities, there are often staffing issues, long wait lists and limited access to physicians and other primary care providers, such as mental health specialists, dieticians, pharmacists and registered nurses, including nurse practitioners.<sup>23</sup> Remote communities often rely on a fly-in, non-resident medical staff<sup>24</sup> unless virtual options are in place. The importance and effectiveness of virtual care have been demonstrated in rural and remote communities, particularly for Indigenous peoples.<sup>24</sup> Virtual care is not without its barriers and challenges, especially for patients who experience specific barriers to accessing healthcare and can include technical problems and service issues in rural and remote communities.<sup>25</sup> Video appointments require that both patients and providers have the required technological equipment, feel comfortable navigating technology, and have the required bandwidth for use of video. 26 Overall, it is suggested that high-quality virtual primary care may aid in increasing accessibility, continuity of care, costeffectiveness, equity and increased user satisfaction, which are important components in the provision of high-quality primary care. 27 Perspectives from Indigenous peoples and their primary care providers about the quality and impact of virtual primary care are currently limited. This paucity of information on virtual primary care impacts the understanding of how virtual primary care may increase healthcare access and quality, as well as help to advance health equity for Indigenous peoples. The provision of patient-centred care is most effective when multicomponent interventions that aim to address individual and organisational change are used,<sup>20</sup> with an Indigenous patient experience tool having the potential to support the enhancement of culturally safe and quality care at the provider and/or clinic level. By using patient feedback measures and a patient experience tool rather than a basic satisfaction survey, the quality of patient care can be more effectively gauged 17 27 and implemented to improve the quality of virtual primary care for Indigenous patients.<sup>28</sup>

This research aims to understand how high-quality virtual and/or remote-based primary care with Indigenous patients can be monitored and measured with an



Indigenous patient experience tool to facilitate continuous improvement in the care of Indigenous patients in virtual primary care practices. 28 Previously, using the principles of patient-oriented research grounded in social justice and participatory action research, we established the domains of access, relationships, quality and safety (ARQS) as the key domains of high-quality Indigenous primary care.<sup>28</sup> This was done through 13 semistructured interviews with Indigenous patients and Indigenous virtual primary care providers between 5 August 2021 and 25 October 2021.<sup>28</sup> The research found that by shifting to virtual primary care, including through the COVID-19 pandemic, the quality of care for Indigenous patents was not compromised. 28 Rather, optimal care can be provided in virtual settings for some types of care and appointments, and certain barriers for Indigenous peoples can be reduced or eliminated.<sup>28</sup> In this paper, we build on this previous work and focus on the refinement of the AROS tool<sup>28</sup> through re-engagement with Indigenous patient participants to enhance the reliability and validity of the tool, ensuring that it accurately and meaningfully reflects Indigenous patient experiences and perspectives.

## METHODS Framework

Grounded in Indigenous ethics<sup>29</sup> and guided by the principles of patient-oriented research, 30° this work utilizes Indigenous approaches to social justice and participatory action research.<sup>31</sup> This approach aligns with the principles of ownership, control, access, and possession (OCAP)<sup>32</sup> meaning that Indigenous participants and community members directed the work, had control over the research process, and that analysis was grounded in the lived experience of Indigenous peoples.<sup>32</sup> OCAP is a framework for ethical engagement with Indigenous peoples that offers Indigenous-centred guidance on prioritising Indigenous peoples' in research so that Indigenous sovereignty and self-determination is prioritised.<sup>32</sup> The research team included Indigenous and non-Indigenous scholars, researchers and medical practitioners, with extensive experience working with Indigenous communities. A non-Indigenous research assistant and an Indigenous research assistant led the interviews and the analysis. The Indigenous senior author of this paper guided the methods, with regular input from the rest of the study team and the advisory group. The initial qualitative data and analysis that led to the establishment of the four tool domains included in-depth semistructured interviews, data transcription and Framework Analysis.<sup>33</sup> At this stage in the research process, qualitative data were collected through use of cognitive interviewing,<sup>34</sup> data transcription and Framework Analysis to finalise the tool statements.

## **Participants**

We re-engaged the Indigenous patients who had previously participated in semistructured interviews and who had agreed to be contacted again at this stage of the research. We also engaged the Indigenous advisory group that was formed before the research began, which included Indigenous community members, an Indigenous Elder, and stakeholder representatives that were local Indigenous-led and non-Indigenous-led health service providers. Eligible patient participants (n=5) self-identified as Indigenous, lived in Alberta and had accessed primary care services through virtual and/or remote-based methods during the COVID-19 pandemic from March 2020–March 2022.<sup>28</sup>

### Recruitment

Purposive sampling was used to re-engage participants with the request to provide in-depth feedback on the tool statements through cognitive interviewing pre-tests,<sup>34</sup> which improved member checking via sustained engagement. The study's rigour was enhanced by involving participants who had previously been interviewed by the same research team members to enhance relationality<sup>35</sup> and trust. Participants were invited via email to participate in a cognitive interview.

## Interview development and interviews

Interview questions and prompts were discussed among the project team before the interviews began to enhance reliability. Building on the work that was previously done to establish the tool's domains and initial statements,<sup>28</sup> between 10 January 2022 and 31 January 2022, 5 participants were interviewed using cognitive interview methods. The cognitive interviews offered participants a second opportunity to conceptualise and think critically about the tool domains and statements. Interviews were completed over the telephone and audio recorded on digital voice recorders. Cognitive interviewing is a 'talk aloud' method.<sup>34</sup> This method was used to ensure that the statements in the tool<sup>28</sup> were understood by the Indigenous patient group and that each of the statements addressed the concepts and domains that they were mapped to. 28 34 36 37 This method focused on the participant's process of understanding each tool statement, which resulted in more accurate and valid statements<sup>38</sup> and assisted with the interpretation of results.<sup>39</sup> The question asked for each tool statement was 'describe to me how you would answer this statement,' which then facilitated a discussion about how the question was understood and if there was confusion about the meaning of the question. Where there were conflicts of opinion and/or a wide range of responses from participants about particular statements, these statements were discussed with the Indigenous advisory group for consensus building using an adapted nominal group technique. 40 41 Data were transcribed verbatim using a secure and ethics-approved transcribing service (Rev.com) and were then anonymised and verified before analysis.

## **RESULTS**

## Participant demographics and sample size

Interviews ranged from 30 to 60 minutes in length, with an average interview length of 45.2 minutes (see table 1).



Table 1 Co	ognitive interview results						
Statement number	Original statement	Statement suggestion from participants	Final statement				
Statements	with initial agreement						
1	My virtual care provider is responsive to my needs	I felt that I was heard by the healthcare provider during my appointment	I felt that I was heard by my healthcare provider during my appointment				
3	I feel safe expressing my health needs to my virtual care provider	I was involved as much as I wanted to be in decisions about my care and treatment	I feel safe expressing my health needs to my healthcare provider				
4	My virtual provider suggests services that are appropriate to my level of technology access		My healthcare provider suggests services that are appropriate to my level of technology access				
5	My virtual provider recommends external services that I trust		My healthcare provider recommends external services that I trust				
9	The virtual healthcare provider explained things in a way I could understand during my appointment		My healthcare provider explained things in a way I could understand during my appointment				
11	The virtual healthcare provider spent enough time with me during my appointment		My healthcare provider spent enough time with me during my appointment				
12	The virtual healthcare provider took my cultural needs into account		My healthcare provider was accepting of my cultural needs or traditional healing practices				
Statements	Statements without initial agreement						
2	I feel accepted for who I am by my virtual care provider	I felt respected by the healthcare provider during my appointment	I felt respected by my healthcare provider during my appointment				
6	My virtual provider understands the aspects that make it difficult for me to seek care		My healthcare provider understands what can make it difficult for me to seek care right now				
7	I feel like my virtual provider understands my history		I feel like my healthcare provider understands who I am and why I want to talk to them				
8a	It is easy for me to get an appointment to see my provider	I was able to get an appointment as soon as I needed it	I was able to get an appointment as soon as I needed it				
Additional s	tatement from health services team						
8b			My healthcare provider helped me address the health concern/reason I made the appointment				

All interviews were completed via telephone (n=5). Participants included the self-identification of one male and four females, whose ages varied from 27 to 39, with a median age of 36. The patients included four First Nations individuals and one participant who chose not to disclose their Indigenous identity, but accessed Indigenous-specific virtual primary care services. The number of virtual primary care visits participants attended ranged from three to 12, with a median of eight.

## Refining the ARQS tool: cognitive interview results

Team members analysed the interview data to determine agreement among the participants, ensuring that each question was understood and that it was not confusing or difficult to answer. Agreement was defined as 100% of participants conveying that the statement was clear, relevant and represented a domain of their virtual care experience. The cognitive interview results (table 1) revealed that all participants were in 100% agreement on the importance of statements 1, 3, 4, 5, 9, 11 and 12 and expressed a shared understanding of the concepts described by the statements. For statement 1, although a responsive virtual primary care provider was considered important, participants suggested that for providers to be 'responsive,' they first needed to hear what a patient is saying. The final version of statement 1 became 'I felt that I was heard by the healthcare provider during my

appointment.' For statement 3, patient involvement in decisions about their healthcare was only considered possible if they felt safe, so participants suggested that the statement should emphasise the feeling of safety when patients share their health needs with their healthcare provider. This informed the statement, which was revised to be 'I feel safe expressing my health needs to my healthcare provider.' Participants understood statement 4 to describe their provider as having an idea of what technology is physically available to them for their virtual care appointment, along with the level of access or experience a patient has with a specific technology. For this reason, the statement remained 'my healthcare provider suggests services that are appropriate to my level of technology access.'

Statement 5 was understood to refer to the clinic's reputation and the clinic's relationship with patients, including patients' confidence that they will be referred to trustworthy external services beyond the clinic when necessary. Statement 9 was clear and well understood, and thus no changes were required. Statement 11 was not changed, as participants understood 'enough time' in 'the healthcare provider spent enough time with me during my appointment' to mean not feeling rushed or that they were wasting their healthcare provider's time. The original wording of statement 12 was changed to include traditional healing practices, which encompasses participants' experiences with and understanding of the 'traditional way of life,' whole-body healing, access to an Indigenous Elder or traditional Knowledge Keeper, and access to community workers.

We examined all statements that did not have 100% agreement and statements that at least one participant found confusing and/or unclear. Participants identified statements 2, 6, 7, 8a and 9 as having unclear and/or confusing wording, so these were brought forward to the advisory group for further discussion using a modified nominal group technique. 42 The advisory group discussed statement 2 to determine whether the wording 'feeling accepted' or 'being respected' was preferable. Originally, statement 2 was worded 'I feel accepted for who I am by my virtual care provider.' The overall preference was 'being respected,' as the advisory group members suggested that feeling respected encompasses — and thus includes — feeling accepted. Statement 6 was originally 'my virtual provider understands the aspects that make it difficult for me to seek care,' which was considered 'wordy' by Indigenous patients. Discussions with the advisory group led to this statement being changed to make it more clear that it intends to address systemic and social barriers/facilitators, not just physical barriers to access. To this end, it was modified to become 'my healthcare provider understands what can make it difficult for me to seek care right now.'

Statement 7 was confusing to participants, as they felt that 'history' was unclear and could refer to social/life/family history, medical history, or even the 'history' of the previous medical appointment. Therefore, statement 7

was changed to reflect a more relational understanding of the connection between patients and their healthcare provider. While the statement was previously 'I feel like my virtual provider understands my history,' it was changed to 'I feel like my virtual provider understands who I am and why I want to talk to them.' Statement 8a originally was 'It is easy for me to get an appointment to see my provider' and was modified to be based on need rather than ease, as ease was considered related to clinical process and appointment booking. Therefore, the final wording of statement 8a became 'I was able to get an appointment as soon as I needed it.' In discussion with the health services team, Statement 8b was added, as it was agreed that it is important for a healthcare provider to know the reason for their patient's appointment and to actively try to address each patient's concerns.

The final version of the ARQS tool can be seen in table 2. The tool has 12 statements that provide Indigenous patients with the opportunity to declare the extent to which they identify with the statements, ranging from strongly disagree (1) to strongly agree (5.) There is also an option for patients to indicate if a statement does not apply to them. The tool as presented here is preliminary and the authors recognise that it needs further testing with a larger sample in order to continue to accurately assess its suitability for use in various virtual primary care settings.

#### INTERPRETATION

The ARQS tool statements represent how Indigenous patients conceptualise and define the constructs of access, relationships, quality and safety in virtual primary care settings. The results from the cognitive interviews verified the accuracy and face validity of the strengthsbased statements in the tool. The statements were modified as required to develop revised statements that accurately and meaningfully reflect the lived experiences and perspectives of Indigenous patients who use virtual primary care. It was confirmed through this stage of the research process that the qualitative data that were previously collected from Indigenous patients' lived experiences with virtual primary care is reflected in the tool's domains and statements. Rigour was enhanced by involving Indigenous participants who had previously been recruited and interviewed by the same researchers to enhance relationality<sup>35</sup> and trust between participants and researchers. The perspectives that were shared built on existing rapport and comfort with research team members. The cognitive interviews offered the participants a second opportunity to conceptualise and think critically about the statements, which increased the reliability and validity of the ARQS tool.

Virtual primary care clinics that serve Indigenous patients require an understanding of how the services offered best incorporate relational aspects, quality, access and safety as they are understood by Indigenous peoples, based on Indigenous ways of knowing and being that are



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Table 2 Ango inc	digenous patient expe	rience tool			
I felt that I was hea	rd by my healthcare p	rovider during my appointme	nt		
1—Strongly	2—Somewhat	3—Neither Agree nor	4—Somewhat	5—Strongly	Not
Disagree	Disagree	Disagree	Agree	Agree	Applicable
I felt respected by i		r during my appointment			
1—Strongly	2—Somewhat	3—Neither Agree nor	4—Somewhat	5—Strongly	Not
Disagree	Disagree	Disagree	Agree	Agree	Applicable
•		my healthcare provider		- O	
1 – Strongly Disagree	2-Somewhat Disagree	3—Neither Agree nor Disagree	4-Somewhat Agree	5—Strongly Agree	Not Applicable
		s that are appropriate to my le			, , , , , , , , , , , , , , , , , , , ,
1—Strongly	2—Somewhat	3—Neither Agree nor	4—Somewhat	5—Strongly	Not
Disagree	Disagree	Disagree	Agree	Agree	Applicable
My healthcare prov	vider recommends external	ernal services that I trust			
1—Strongly	2—Somewhat	3—Neither Agree nor	4-Somewhat	5-Strongly	Not
Disagree	Disagree	Disagree	Agree	Agree	Applicable
My healthcare prov	ider understands wha	t can make it difficult for me t	o seek care right now		
1—Strongly	2—Somewhat	3—Neither Agree nor	4—Somewhat	5—Strongly	Not
Disagree	Disagree	Disagree	Agree	Agree	Applicable
	· · · · · · · · · · · · · · · · · · ·	ands who I am and why I war			
1—Strongly	2-Somewhat Disagree	3—Neither Agree nor	4-Somewhat Agree	5—Strongly	Not
Disagree	Disagree	Disagree	Aciree	Agree	Applicable
M. In a pith a pure in unit					
	vider helped me addres	ss the health concern/reason	I made the appointme	ent	N
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grounded in Indigenous experiences and perspectives. The ARQS tool provides value to virtual primary care providers, as this tool is grounded in the perspectives of Indigenous participants and healthcare stakeholders that provide services to Indigenous patients. The ARQS tool fills a gap in monitoring and evaluating the quality and safety of primary care for Indigenous peoples, as recommended in the *In Plain Sight* reports. Indigenous peoples must have access to culturally safe virtual primary care that protects against systemic racism and social exclusion to influence population health. There is an imperative to embed relationality in all healthcare encounters with Indigenous patients, and extra consideration in virtual

contexts is needed to work towards establishing relationality, which includes support for clinician learning and development to better incorporate culturally safe and culturally appropriate care in meaningful ways. <sup>17</sup> The domains and statements of the ARQS tool quantitatively indicate where quality improvements can be made on the patient/provider level and/or the clinic level to improve the quality of care, the quality of patient/provider relationships and culturally safe care for Indigenous patients.

Supporting continuous quality improvement to address safety and access to healthcare for Indigenous communities aligns with the Truth and Reconciliation Commission's Calls to Action, specifically Call 19,<sup>43</sup> and



works to address the need to embed and measure meaningful healthcare improvements and cultural safety for Indigenous peoples.<sup>8</sup> Patient feedback measures such as the ARQS tool are important to assess and address the reasons that Indigenous patients may not receive quality healthcare or may not seek out healthcare, which include not only geographical barriers, but systemic barriers to accessing equitable care. The ongoing impacts and evidence of colonialism in the healthcare system, including anti-Indigenous bias, discrimination and Indigenous-specific racism, have contributed to decreased access to equitable healthcare for Indigenous peoples in Canada and can be systematically addressed through patient feedback tools such as the ARQS tool. Health quality tools, including the ARQS tool, are particularly important for Indigenous-centred clinical quality improvement that may advance health equity through improved access and health outcomes for Indigenous peoples.<sup>8</sup> More widely, tools such as the ARQS tool are important within public healthcare to disrupt the cycle of discrimination, Indigenous-specific racism and the lack of culturally safe care in the health system. Tools such as the ARQS tool also address patient/provider encounters within primary care that may reflect these systemic issues to improve culturally appropriate and culturally safe care, ultimately promoting high-quality healthcare for Indigenous peoples.

There is a limitation to the transferability of the results to other Indigenous peoples and Nations outside of Alberta in other regions of Canada. Variances in virtual primary care development and delivery may differ based on localised needs, existing healthcare systems and the diversity of Indigenous peoples across Canada. Further work will expand the use of this tool to different communities to assess transferability to other healthcare providers, locations, clinical contexts, settings and specialties. Future directions for research will focus on implementing the ARQS tool into various clinical practices. This will include evaluating the acceptability and utility of the tool with virtual primary care providers and Indigenous patients in clinical settings to assess barriers and facilitators to receiving and accessing high-quality care. After the initial development phase of the ARQS tool, expanded piloting is planned with a larger clinical patient group to further validate this tool. Additionally, we will continue to monitor the success of implementation and support the needs of clinical staff to develop skills across the various domains of ARQS to facilitate improved Indigenous patient experiences. Partnerships with healthcare providers and the research team will ensure a continued collaborative effort, with the ability to develop supportive actions to aid healthcare workers in measuring and improving the quality of care they provide to Indigenous patients, along with their accompanying knowledge and skills.

To conclude, an Indigenous patient experience tool such as the ARQS tool can play a role in addressing both primary healthcare and primary care improvements. The research team sought to understand how high-quality virtual and/or remote-based primary care with Indigenous patients can be monitored and measured to facilitate continuous quality improvement in virtual primary care practice. The development of the ARQS tool is based on the lived experiences of Indigenous patients and healthcare professionals who provide virtual primary care to Indigenous patients. Thus, the tool offers a promising way for Indigenous patients to provide feedback and for clinics to measure the quality of virtual primary care for Indigenous patients. This may help to advance the access and quality of virtual primary care delivery for Indigenous patients, impacting both primary healthcare and primary care for the benefit of Indigenous peoples.

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