

Supplemental material, Mui et al., "Hearing Health Care Stakeholders' Perspectives on Teleaudiology Implementation: Lessons Learned During the COVID-19 Pandemic and Pathways Forward," *AJA*, https://doi.org/10.1044/2023_AJA-23-00001

Supplemental Material S3. Teleaudiology survey for audiology students.

Welcome page

A warm welcome from the Hearing and Tinnitus Research Innovation Group at Flinders University, Adelaide, Australia.

We have developed this short survey to understand how teleaudiology (i.e., use of telecommunications and digital technology to provide access to audiological services for clients who are not in the same location as the clinician) is currently perceived by stakeholders involved in hearing healthcare including the general public, hearing healthcare clinicians, Audiology students, academics, and industry partners. Your opinions are extremely helpful for improving the existing hearing healthcare service delivery model and increasing the accessibility of hearing healthcare in the future.

This survey takes around 15 minutes to finish. If you are above 18 years old, we would value your response.

Please note that this survey is intended for Audiology students.

Please click the arrow to read the participant information sheet.

Participant Information Sheet

PARTICIPANT INFORMATION SHEET

Study Title: "Perspectives of Hearing Healthcare Stakeholders Towards Teleaudiology"

What is this research about?

In late 2019, a novel strain of coronavirus primarily affecting the respiratory system

emerged (COVID-19). By early 2020, the situation had developed into a pandemic. In accordance with social restrictions and safety guidelines, most of the face-to-face audiological services were disrupted. In an attempt to provide continued care, some clinical practices started using/increased the use of teleaudiology to overcome such pandemic-related challenges.

It has been more than two years since the start of the pandemic and we want to understand how teleaudiology is currently perceived by stakeholders involved in hearing healthcare including the general public, hearing healthcare clinicians, Audiology students, academics, and industry partners and use this information to guide new, improved and accessible hearing healthcare.

This project is supported by Flinders University.

What will I be asked to do?

Complete a short (15 minutes) online survey.

What benefit will I gain from being involved in this study?

You will be providing a valuable contribution to scientific knowledge in this area. This knowledge will help educate future research and decisions made regarding improving current hearing healthcare. You will also have the option to register your interest to receive information via email about future research you may be eligible to take part in.

Will I be identifiable by being involved in this study?

No identifying information will be published, only collated responses will be presented. All information and results obtained in this study will be stored in a secure way, with access restricted to researchers listed below.

Are there any risks of discomforts if I am involved?

We do not expect the survey questions to cause any harm or discomfort to you. However, if you experience feelings of distress as a result of participation in this study, you can exit the survey at any time with no penalty. You can also contact the following services for support:

- Lifeline – 13 11 14, www.lifeline.org.au

- Beyond Blue – 1300 22 4636, www.beyondblue.org.au

What will happen with the results of the study?

Results from this study will be published in scientific journals, presented at conferences and a short summary of outcomes will be published on the Flinders University website. However, the privacy and confidentiality of individuals will be protected at all times. You will not be named, and your individual information will not be identifiable in any research products without your explicit consent. No data will be shared or used in future research projects without your explicit consent.

How do I agree to participate?

Participation is voluntary. You are free to exit the survey at any time prior to completion with no effect or consequences. If you agree to participate, please read, and agree to the consent form on the next screen.

Thank you for taking the time to read this information sheet.

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This research study has been approved by the Flinders University Human Research Ethics Committee (Project ID: 2857). For queries regarding the ethics approval of this study, or to discuss any concerns of complaints, please contact the Executive Officer of the committee via telephone on +61 8201 3116 or email human.researchethics@flinders.edu.au

Participant Consent Form

CONSENT STATEMENT

1. I have read the participant information provided (previous screen).
2. I am 18 years or older.
3. Details of the study, study outcomes and risks have been explained to my satisfaction.
4. I understand that:
 - Participation is entirely voluntary, and I am free to exit the survey at any time with no effect or consequences.
 - I may not directly benefit from taking part in this research.
 - While the information gained in this study will be published as explained, my individual information will remain confidential.
 - Only the researchers on this project will have access to my research data and raw results.

Do you agree to participate in this research survey? By clicking yes, you agree to the above consent statement.

- ☐ Yes, I would like to participate in the survey
- ☐ No

Introduction

Introduction

Teleaudiology is defined as “the use of telecommunications and digital technology to provide access to audiological services for clients who are not in the same location as the clinician” (Audiology Australia, 2020). It includes the delivery of all kinds of

audiological services via digital means such as phone calls, video calls, internet/smartphone applications (apps), emails, text messages, online instant messaging, and websites.

Demographics

What is your age? (Years)

What is your gender?

☐ Male

☐ Female

☐ Other - please specify

Which country are you currently living in?

Which institution are you currently studying in?

- ☐ The University of Queensland
- ☐ The University of Western Australia
- ☐ Flinders University
- ☐ Macquarie University
- ☐ The University of Melbourne
- ☐ La Trobe University
- ☐ Charles Darwin University
- ☐ TAFE
- ☐ Other - please specify

Which year of study are you currently in?

- ☐ Master - first year
- ☐ Master - second year
- ☐ Higher Degree by Research
- ☐ Diploma - first year
- ☐ Diploma - second year
- ☐ Other - please specify

Knowledge

Do you know what teleaudiology is?

- ☐ Yes
- ☐ No

Please describe what teleaudiology means to you:

What types of audiological services do you know can be delivered by teleaudiology (e.g., things that can be done during a face-to-face appointment)?

Where did you learn/observe the use of teleaudiology? (Please specify which aspect of teleaudiology you learned/observed from each selected option) (Select all that apply)

- ☐ Lectures - please specify aspect
- ☐ Tutorials - please specify aspect
- ☐ Clinical/practical sessions - please specify aspect
- ☐ Placements - please specify aspect
- ☐ Self-study, e.g., reading literature/attending seminars or conferences at your own time - please specify aspect
- ☐ Other - please specify where and aspect
- ☐ I did not learn anything about teleaudiology

How has learning/observing the use of teleaudiology influenced your perception of teleaudiology?

- ☐ Positively influenced
- ☐ Negatively influenced
- ☐ No change

Why would learning/observing the use of teleaudiology positively influence your perception of teleaudiology?

Why would learning/observing the use of teleaudiology negatively influence your perception of teleaudiology?

Perception

How important is it to learn about teleaudiology during your study?

- ☐ Very unimportant
- ☐ Slightly unimportant
- ☐ Neutral
- ☐ Slightly important
- ☐ Very important

How much teaching/training about teleaudiology was provided during your study?

- ☐ None at all
- ☐ Limited amount
- ☐ Fair amount
- ☐ Quite a lot
- ☐ A lot

How interested are you in learning about teleaudiology?

- ☐ Very uninterested
- ☐ Slightly uninterested
- ☐ Neutral
- ☐ Slightly interested
- ☐ Very interested

How competent are you in teleaudiology?

- ☐ Very incompetent
- ☐ Slightly incompetent
- ☐ Neutral
- ☐ Slightly competent
- ☐ Very competent

What are the barriers that hinder you from being more competent in teleaudiology?
(Select all that apply)

- ☐ It is not included in the curriculum
- ☐ It is taught but to a very limited extent
- ☐ No/limited placement opportunities
- ☐ Placement clinics are not using teleaudiology
- ☐ I don't know where to find resources/learning materials of teleaudiology
- ☐ I am not interested in teleaudiology
- ☐ Other - please specify

What would motivate you to learn more about teleaudiology during your study?
(Select all that apply)

- ☐ It is taught more often in class
- ☐ Teleaudiology competency becomes a requirement for program completion
- ☐ Increase competitiveness for employment
- ☐ Increase future client satisfaction
- ☐ Be better prepared to meet the National Competency Standards for Audiologists during internship
- ☐ Personal expansion of knowledge
- ☐ Other - please specify

Anything else

Is there anything else you would like to share regarding teleaudiology?

☐ Yes - please explain

☐ No

Further contact

Would you be interested to further discuss your views and comments on teleaudiology with a member of the research team in a short one-on-one online chat?

☐ Yes

☐ No

Please provide an email address for us to contact you. (By answering this question, you consent to being contacted via email by the research team listed in the participant information sheet.)

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