

## Supplementary Material

### Knowledge, Attitude and Practice of tele-audiology – Audiologist

#### Section 1: Demographics

Q1. Name:

Q2. (Optional)Sex:

Q3. (OPTIONAL)Age:

Q4. State or place currently Working:

Q5. Where do you work (*select one option*)

1. University
2. Private clinic
3. Private hospital
4. Government school
5. Private corporation
6. Special school (private)
7. Government hospital
8. Rehabilitative clinic
9. Teaching university/college/hospital

Q6. What is your highest qualification? (*select one option*)

1. Bachelor degree in Audiology and Speech Language Pathology
2. Master degree in Audiology and Speech Language Pathology
3. Master in Audiology
4. PhD in Audiology
5. If others, please specify-----

Q7. Have you provided teleaudiology services in the past?

1. Yes *go to Q.No.8*
2. No *exit the KAP*

Q8. How long have you been providing tele-audiology services?

1. <10 years
2. < 5 years
3. < 2 years
4. Only during COVID pandemic

Q9. Specify the modalities through which you provide tele-audiology? (*multiple options can be choose*)

- |                                   |        |       |
|-----------------------------------|--------|-------|
| 1. Smartphone                     | 1. Yes | 2. No |
| 2. Computer                       | 1. Yes | 2. No |
| 3. Tablet                         | 1. Yes | 2. No |
| 4. Telephone                      | 1. Yes | 2. No |
| 5. If others, please specify----- |        |       |

Q9. What is the most frequent network you use? (*choose only one*)

1. ISDN
2. DSL
3. Fibre Optic
4. Satellite

Q10. What audiological services you provide via tele mode? (*multiple options can be choose*)

1. PTA
2. Speech audiometry

3. Immittance
4. ABR
5. DPOAE
6. VEMP
7. APD assessment
8. Tinnitus Evaluation
9. CI Mapping
10. HA fitting
11. Therapy (ART, AVT, TRT)
12. Counselling
13. Hearing screening
14. Video otoscopy

Q11. Which of the following models do you use? (*multiple options can be choose*)

1. Professional- Professional
2. Professional - Community Health Worker
3. Professional - Patient

## Section 2: Knowledge

| Q.No | Questions on Knowledge   | Yes | No | Don't know |
|------|--|-----|----|------------|
|      |  | 3   | 2  | 1          |
| K1   | I am aware of legal framework (guidelines) in India that governs tele-practice in ASLP.  |     |    |            |
| K2   | Informed consent is mandatory prior to the provision of clinical services through tele practice.   |     |    |            |
| K3   | Selection of video conferencing platform should be based on the bandwidth requirements.  |     |    |            |
| K4   | Tele services must be provided by, or supervised by, a qualified ASLP.   |     |    |            |
| K5   | Remote computing software is essential during tele-audiological testing.   |     |    |            |
| K6   | I am aware that malpractice and misconduct can occur while providing tele-audiological services  |     |    |            |
| K7   | Optimum testing environment at the patient end is crucial while providing tele-audiological services   |     |    |            |
| K8   | Tele audiological services can be provided internationally, if permitted by the laws and license governing Tele-practice in that specific countries. |     |    |            |
| K9   | Specialized certification is required to provide tele audiology in India.  |     |    |            |

### Section 3: Attitude

| Q.No | Questions on Attitude  | Strongly disagree | Disagree | Agree | Strongly Agree |
|------|--|-------------------|----------|-------|----------------|
|      |  | 1                 | 2        | 3     | 4              |
| A1   | There is no difference in the quality of interaction with the client between tele-audiology and face to face services. |                   |          |       |                |
| A2   | Teleaudiology practice allows you to increase the geographical reach of your services.                                 |                   |          |       |                |
| A3   | Commercial prospects of telepractice in audiology are promising.   |                   |          |       |                |
| A4   | Provision of tele-audiology sometimes requires more effort than face to face services.                                 |                   |          |       |                |
| A5   | I think teleaudiology will replace face-to-face services in the future.  |                   |          |       |                |

### Section 4: Practice

| Q.No | Questions on Practice   | Always     | Often | Sometimes   | Never |
|------|---|------------|-------|-------------|-------|
|      |   | 4          | 3     | 2           | 1     |
| P1   | Do you practice tele-audiology?   |            |       |             |       |
| P2   | How often do you use the following modes in your practice?<br>i) Synchronous mode (real-time)<br>ii) Asynchronous mode (store and forward)<br>iii) Hybrid mode (both)   |            |       |             |       |
| P3   | Do you utilize tele-practice with the following populations.<br>i) Paediatrics<br>ii) Adults<br>iii) Geriatrics   |            |       |             |       |
| P4   | Whom do you use as facilitator while providing tele-audiology services?<br>i) Do you use an Audiologist to assist you while providing tele-audiology services?<br>ii) Do you use a technician to assist you while providing tele-audiology services?<br>iii) Do you use a community health worker to assist you while providing tele-audiology services?<br>iv) Do you use a community health nurses to assist you while providing tele-audiology services? |            |       |             |       |
|      |   |            |       |             |       |
| Q.No | Questions on Practice   | Very often | Often | Quite often | Rare  |
|      |   | 4          | 3     | 2           | 1     |
| P5   | Do the following happen in your tele practice?<br>i) Loss of network<br>ii) Equipment maintenance<br>iii) Distractions at the patient end (noisy environment, crowded environment)<br>iv) Patient refused teleservice because of cost   |            |       |             |       |

|    |   |  |  |  |  |
|----|---|--|--|--|--|
|    | <ul style="list-style-type: none"> <li>i. Expression by patient regarding patient confidentiality</li> <li>ii. Frequent turnover of the facilitator</li> </ul>  |  |  |  |  |
| P6 | <p>Based on your observation rate the following statements with respect to the provision of teleaudiology.</p> <ul style="list-style-type: none"> <li>i) Tele audiology reduces wait time</li> <li>ii) Tele audiology minimises loss to follow up among patients</li> <li>iii) Tele audiology reduces travel cost and time</li> <li>iv) Tele audiology reduces cost of delivering healthcare</li> <li>v) Tele audiology allows you to serve a larger geographical region</li> </ul> |  |  |  |  |
| P7 | Share few words on your thoughts of comparing tele-audiological services with in-person service -----   |  |  |  |  |