**Supplementary Material Appendix A: Questionnaire: Communication Management in Parkinson’s Disease: Service Provision, Access and Telepractice**

**Please complete the following demographic information questions.**

1.Gender: 🞎 Female 🞎 Male

2.Age: 🞎21-25 🞎26-30 🞎31-35 🞎36-40 🞎41-45 🞎46-50 🞎51-55 🞎56-60 🞎61-65 🞎66-70 🞎>70

3.Total years as a speech pathologist: (open text box)

4.Work Location: State: (drop down list Australian States/Territories) Postcode: (open text box)

5.Current work place setting/s you provide services to people with Parkinson's disease. *select all options that are applicable*

🞎Public hospital - inpatient acute 🞎Private hospital - inpatient acute

🞎Public hospital - inpatient rehabilitation 🞎Private hospital - inpatient rehabilitation

🞎Public hospital - outpatient rehabilitation 🞎Private hospital - outpatient rehabilitation

🞎Public community-based service 🞎Private community-based service

🞎Non-government organisation 🞎RACF (Residential aged care facility)

🞎Private practice 🞎University 🞎Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.Employment status:

🞎Full time 🞎Part time - one position 🞎Part time - multiple positions

🞎Casual - one position 🞎Casual - multiple positions 🞎Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

7.Previous work place setting/s you have provided services to people with Parkinson's disease. *select all options that are applicable*

🞎Public hospital - inpatient acute 🞎Private hospital - inpatient acute

🞎Public hospital - inpatient rehabilitation 🞎Private hospital - inpatient rehabilitation

🞎Public hospital - outpatient rehabilitation 🞎Private hospital - outpatient rehabilitation

🞎Public community-based service 🞎Private community-based service

🞎Non-government organisation 🞎RACF (Residential aged care facility)

🞎Private practice 🞎University 🞎Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8.Percentage of time over the last 2 years you have spent providing services to people with Parkinson's disease:

🞎0-10% 🞎11-20% 🞎21-30% 🞎31-40% 🞎41-50%

🞎51-60% 🞎61-70% 🞎71-80% 🞎81-90% 🞎91-100%

9.On average, how many people with Parkinson's disease do you personally provide services to over a year? *Answer can be an approximate*

🞎1-5 🞎6-10 🞎11-15 🞎16-20 🞎21-30 🞎31-40 🞎41-50 🞎51-60 🞎61-70 🞎71-80 🞎81-90 🞎91-100 🞎>100

10.Where do you provide services to people with Parkinson's disease?

|  |  |  |
| --- | --- | --- |
| **Locations** | **Provide Services Here?** | **Percentage of Parkinson's disease service provided in this location.** O*nly complete for locations that you select* |
| Hospital bedside | Yes / No | 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% |
| Clinic room | Yes / No | 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% |
| Community day centres | Yes / No | 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% |
| Home visits | Yes / No | 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% |
| RACFs (Residential aged care facility) | Yes / No | 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% |

**Views and Use of Telepractice.**

Please read this definition of Telepractice before proceeding to the questions. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Telepractice is the use of technology to provide services to clients from a distance. Clinical services can include: consultation, assessment, therapy, monitoring, reviews, and education. There are two types of telepractice - 1. Real-time/synchronous telepractice and 2. Store-forward/asynchronous telepractice.

Real-time synchronous telepractice is the use of interactive audio and/or video connections which create an 'in-person' experience between the clinician and client imitating a traditional face-to-face service. Some examples include: Phone calls (audio only), Phone calls using audio and video e.g. Facetime, Skype, and Videoconferencing systems.

Store-forward telepractice is the use of technology that records and transfers data (e.g. tasks, accuracy, duration, responses) between the client to the clinician remotely. Some examples include: Therapy apps e.g. Constant Therapy©, audio recordings sent via email, and LSVT Companion® System with data sent via email.

These two approaches can also be used together creating a Hybrid Telepractice Approach i.e. using both synchronous and asynchronous telepractice methods to provide services. For example using video-conferencing to deliver LSVT®LOUD and clients sending audio-recordings from the sessions via email.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11.Are you interested in telepractice for your service? Yes / No

12.Why are you not interested in telepractice for your service? (open text box) *(question only shown if above answer is ‘No’)*

13.Please rate your level of confidence using technology in general.

Poor Fair Good Very Good Excellent

14.Please rate your level of confidence using technology in clinical practice.

Poor Fair Good Very Good Excellent

15. Do you provide services using any form of telepractice to any client population? Yes / No

16. Do you provide services to people with Parkinson's disease using telepractice? Yes / No *(question only shown if above answer is ‘Yes’)*

17. Would you like to provide services to people with Parkinson's disease via Telepractice? Yes / No

18. Why do you not wish to provide services to people with Parkinson's disease via telepractice? (open text box) *(question only shown if above answer is ‘No’)*

**Questions for Participants who currently do not provide services to PwPD via telepractice but expressed interest to.**

19.In what area/s would you like to provide services to people with Parkinson's disease via Telepractice? (open text box) *(question only shown if participants answer ‘Yes’ to wishing to provide services to PwPD via Telepractice)*

🞎Motor speech assessment 🞎Cognitive-communication assessment 🞎Education and training

🞎Motor speech therapy 🞎Cognitive-communication therapy 🞎Other: list all other responses

🞎Motor speech monitoring 🞎Cognitive-communication monitoring

🞎Motor speech reviews 🞎Cognitive-communication reviews

20.What factors would assist or facilitate you to provide services to people with Parkinson's disease via telepractice? *(For this specific subgroup of participants)*

🞎 Manual for chosen platform/software 🞎 Demonstrations 🞎 Hands-on telepractice workshops

🞎 I.T. support from my workplace 🞎 Support from software companies

🞎 Comprehensive list of telepractice platforms and software 🞎 Telepractice clinical guidelines

🞎 Medicare funding for clients 🞎 Private health funding for clients

🞎 Other: list all other responses here

**Questions for Participants who currently do provide services to PwPD via telepractice.**

21.Please indicate the services you provide via telepractice to people with Parkinson's disease for communication. *(question only shown if participants indicate that they have provided services to people with PD via telepractice previously)*

|  |  |  |  |
| --- | --- | --- | --- |
| **Service type** | **Provide this service?** | **Proportion of PD clients provide this service to** | **What platform/s do you use?** |
| Motor speech assessment | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |
| Motor speech therapy | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |
| Motor speech monitoring | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |
| Motor speech review sessions | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |
| Cognitive-Communication assessment | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |
| Cognitive-communication therapy | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |
| Cognitive-communication monitoring | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |
| Cognitive-communication reviews | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |
| Education - clients, family and carers | Yes / No | 0-10% 11-20% 21-30% 31-40% 41-50% 51-60% 61-70% 71-80% 81-90% 91-100% | Email  Audio calls (e.g. phone, Skype)  Videoconferencing (e.g. Skype, Telepractice VC systems)  Store-forward programs |

22.If you provide any other services via telepractice to people with Parkinson's disease, please list them here. *if not, then leave blank* (open text box)

23.Please rate your level of confidence in using telepractice to deliver services to people with Parkinson's disease.

Poor Fair Good Very Good Excellent

*(Repeat of Q20 for this subgroup of participants)* What factors would assist or facilitate you to provide services to people with Parkinson's disease via telepractice?

🞎 Manual for chosen platform/software 🞎 Demonstrations 🞎 Hands-on telepractice workshops

🞎 I.T. support from my workplace 🞎 Support from software companies

🞎 Comprehensive list of telepractice platforms and software 🞎 Telepractice clinical guidelines

🞎 Medicare funding for clients 🞎 Private health funding for clients

🞎 Other: list all other responses here

24.Please indicate if you would like to expand your telepractice service to people with Parkinson's disease in any of the following areas.

|  |  |  |  |
| --- | --- | --- | --- |
| **Service type** | **Areas to expand service** | | |
| Implement Service | Increase No. of Clients | Expand Technology |
| Motor speech assessment |  |  |  |
| Motor speech therapy |  |  |  |
| Motor speech monitoring |  |  |  |
| Motor speech review sessions |  |  |  |
| Cognitive-Communication assessment |  |  |  |
| Cognitive-communication therapy |  |  |  |
| Cognitive-communication monitoring |  |  |  |
| Cognitive-communication reviews |  |  |  |
| Education - clients, family and carers |  |  |  |

25.If there are any other areas you would like to extend your telepractice services to people with Parkinson's disease, please list them here. *If not leave blank* (open text box)

**Please answer the following additional questions about your motor speech therapy delivered via telepractice.** (section only shown if participants indicate they provide any type of services for motor speech impairments)

26.On average, how many people with Parkinson's disease do you provide motor speech treatment to via telepractice in a year? (open text box)

27.Please indicate which method you would prefer the following services delivered in?

|  |  |  |  |
| --- | --- | --- | --- |
| **Stage of Assessment** | **Delivery Method** | | |
| Face-to-face | Telepractice | No preference  (either face-to-face or telepractice |
| Initial assessment |  |  |  |
| Immediate post therapy assessment |  |  |  |
| Follow up reviews |  |  |  |

28.On average, what proportion of the therapy sessions are delivered online?

🞎<25% 🞎25-45% 🞎50% 🞎55-75% 🞎80-100%

**Please answer the following additional questions about your cognitive-communication therapy delivered via telepractice.** (section only shown if participants indicate they provide any type of services for cognitive-communication impairments)

29.On average, how many people with Parkinson's disease do you provide motor speech treatment to via telepractice in a year? (open text box)

30.Please indicate which method you would prefer the following services delivered in?

|  |  |  |  |
| --- | --- | --- | --- |
| **Stage of Assessment** | **Delivery Method** | | |
| Face-to-face | Telepractice | No preference  (either face-to-face or telepractice |
| Initial assessment |  |  |  |
| Immediate post therapy assessment |  |  |  |
| Follow up reviews |  |  |  |

31.On average, what proportion of the therapy sessions are delivered online?

🞎<25% 🞎25-45% 🞎50% 🞎55-75% 🞎80-100%

(Remaining questions shown to all participants)

32.What client benefits do you see in using telepractice to deliver services to people with Parkinson's disease in your workplace? *use dot points*

(open text box)

33.What clinician and/or service benefits do you see in using telepractice to deliver services to people with Parkinson's disease in your workplace? *use dot points*

(open text box)

34.What client barriers do you see in using telepractice to deliver services to people with Parkinson's disease in your workplace? *use dot points*

(open text box)

35.What clinician and/or service barriers do you see in using telepractice to deliver services to people with Parkinson's disease in your workplace? *use dot points*

(open text box)

36.Please indicate your level of agreement with the following statements about telepractice.

|  |  |
| --- | --- |
| **Statement** | **Level of Agreement** |
| Telepractice is an appropriate method to deliver speech pathology services to people with Parkinson’s disease | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| Telepractice will eventually become a mainstream delivery method for speech pathology services for people with Parkinson's disease | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| In 10 years, MOST people with Parkinson’s disease will have access to speech pathology services via telepractice | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| Over the next 10 years, older clients’ limited familiarity and interest in technology will become less of a barrier to telepractice | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| I will only use telepractice if in-person delivery is not an option | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| You cannot develop the same level of client-clinician rapport via telepractice as is achieved in-person | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| My service is open and interested in using telepractice to provide services to people with Parkinson's disease | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| Telepractice can be used to provide a service that is as effective as in-person delivery | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| Telepractice will only benefit people with Parkinson's disease who live in regional and rural areas, not urban centers | Strongly Disagree Disagree Neutral Agree Strongly Agree |
| Telepractice has the potential to improve the level of care I am currently providing to people with Parkinson's disease | Strongly Disagree Disagree Neutral Agree Strongly Agree |

**You have now finished the survey. Thank you. Your time is greatly appreciated.**

Please indicate if you would like to:

a) Receive a certificate of research participation for completing the survey; and/or

b) Enter to win 1 of 2 $50 Coles Myer Gift cards.

For each of these, you will be required to enter your name and email address. This will not be associated with your responses, your answers will remain anonymous.

Please allow 3 business days for your certificate to be emailed to you.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Would you like to receive this?** | **Full name** | **Email** |
| Research Participation Certificate | Yes / No | Open text | Open text |
| $50 gift card draw | Yes / No | Open text | Open text |

If you have any questions or concerns about the survey, please do not hesitate to contact the researchers.