

| | | | | | |
|--|---|------------------------------|------|--------|--|
| Name: | Dr Clare Burns BSpPath PhD CPSP | | | Email: | |
| Position Title & Organisation | Research Coordinator & Advanced Speech Pathologist, RBWH Senior Research Fellow, School of Health and Rehabilitation Sciences, UQ Allied Health Coordinator, Cancer Care Research Advisory Group (RBWH) Affiliate, Centre for Research in Telerehabilitation, UQ | | | | |
| Qualifications | Doctor of Philosophy | The University of Queensland | 2017 | | |
| | Bachelor of Speech Pathology | The University of Queensland | 1997 | | |
| Personal Statement: Dr Clare Burns is an early career researcher with a growing international reputation and leadership in the fields of speech pathology, dysphagia and telehealth. Since 2007 she has held the full-time position of Advanced Speech Pathologist at the Royal Brisbane & Women’s Hospital (RBWH), which confirms her high-level clinical, service, and leadership experience and expertise. In 2017 she was awarded a PhD from The University of Queensland (UQ; 2012-2016) and is an Honorary Senior Research Fellow with the School of Health and Rehabilitation Sciences, UQ. She is a guest lecturer on speech pathology practice and clinical educator for the UQ Speech Pathology Simulation Student Clinic. Her current areas of research focus are technology-enabled health care, head and neck cancer/laryngectomy services, and dysphagia (swallowing disorders) and to date has she been awarded >\$1.5M in research grants and scholarships. In 2019 she was awarded one of five augural MNHHS Clinician Research Fellowships (2019-2022) with UQ as primary Academic Partner, and the quality of her research has received numerous awards. In 2023 she was awarded one of four Queensland Health Clinical Research Fellowships- Mid Career level, to develop and evaluate a novel immersive virtual reality tool for communication rehabilitation. She is a strong advocate for advancing clinical services and research through mentoring colleagues, leading and contributing to professional groups, and delivering invited presentations at national and international meetings. She also actively builds research capacity through co-supervising Research Higher Degree (RHD) (PhD/MPhil) students and mentoring colleagues from a range of disciplines in formal research/quality improvement projects comprising of clinicians working at RBWH and externally. | | | | | |
| Contribution to the field: Dr Burns actively utilises her clinical experience alongside her developing expertise in technology-enabled applications and health services research to improve health services. Her PhD program developed and evaluated the first-reported specialist speech pathology telepractice service for patients with head and neck cancer and following this expanded this model to include multidisciplinary home-based telehealth care. Evaluated in a large state public health service, Queensland Health (QH), both of these models demonstrated service and cost efficiencies over usual in-person care, along with workforce training benefits and high clinician and patient satisfaction. These models have been adopted within Australia and overseas. Dr Burns also worked as a co-investigator validating the clinical model for swallowing evaluation via telepractice and following this co-led the translation of this service (with Professor Liz Ward, UQ) across Queensland. Both models have been adopted within Australia and overseas and related research and training has been cited in international telepractice guidelines/professional publications. Within Queensland she has developed also developed online clinical training programs. Recently in collaboration with researchers at RECOVER Injury Research Centre, she has co-designed and developed an immersive virtual reality tool with telehealth capability, the Communication Café to support communication rehabilitation. Within Australia she has co-led the development of the national policy documents on telepractice for Speech Pathology Australia, Cancer Council Australia and the Decision-Making Framework for Telepractice in Queensland Health. Dr Burns is actively involved in building capacity for health services research. She is a co-investigator on numerous health services/research projects across Allied Health services (speech pathology, physiotherapy, audiology, occupational therapy, pharmacy), supervises RHD students and contributes to the wider research community through invitations to review journal publications/funding grants and presents at professional/community events. She is an invited Affiliate of the Centre of Research Excellence in Telehealth UQ and Centre for Research in Telerehabilitation, School of Health and Rehabilitation Sciences, UQ, and has been invited to present at national and international conferences. | | | | | |
| Scholarly Achievements, Awards and Prizes – Prior 3 years (2019-2022): | | | | | |
| 2023 | Consumers in Research Award, 2023 Metro North Research Awards | | | | |
| 2022 | RBWH QuARRIE Fostering Innovation Award | | | | |
| 2021 | Overall winner – AHP Translation of Research into Practice Showcase | | | | |
| 2021 | RBWH QuARRIE Overall Superior Quality Award | | | | |
| 2021 | Best Scientific Paper, Success and Failures in Telehealth Conference, International | | | | |
| 2020 | Metro North HHS Research Excellence Awards – Rising Star – Highly Commended | | | | |
| 2019 | Excellence Award in Research/Knowledge Translation, QLD Speech Pathology Advisory Group, | | | | |
| 2019 | Best Scientific Poster - Dysphagia Research Society Meeting, USA | | | | |
| 2019 | Metro North HHS Clinician Research Fellowship (2019-2022) | | | | |
| Peer-reviewed publications | | | | | |
| Dr Burns has co-authored 73 publications (46 published in the last 5 years; 19 as primary author) in the fields of speech pathology, telehealth, dysphagia and head and neck cancer. Her citation rate is 1016; h-index=19. Her 10 most recent publications are listed below. A full publication list is available on request. | | | | | |
| 1. Poon, F., Ward, E.C., Burns C.L. (2023). Adult dysphagia services in acute and subacute settings in Singapore. Speech, Language and Hearing Journal | | | | | |

2. Cook, R., Haydon, H., Thomas, E., Ward, E.C., Ross, J-A., Webb, C., Harris, M., Hartley, C., Vivanti, A.P., Carswell, P., **Burns, C.L.**, Caffrey, L. (2023). Digital divide or digital exclusion: Do allied health professionals' assumption drive use of telehealth? *Journal of Telemedicine and Telecare*.
3. Minchell, E., Rumbach, A., Farrell, A., **Burns, C. L.**, Wong, A., & Finch, E. (2023). Acute Dysphagia Following Reperfusion Therapies: A Prospective Pilot Cohort Study. *Dysphagia*, 10.1007/s00455-023-10599-6. Advance online publication. <https://doi.org/10.1007/s00455-023-10599-6>.
4. Edwards, A., Holm, A., Carding P., Steele, M., Froude, E., **Burns C.L.**, Cardell, E. (2023) Developing novice analysts' videofluoroscopic swallowing study skills in speech-language pathology: A randomised control trial comparing blended and online training approaches, *International Journal of Speech-Language Pathology*, DOI: [10.1080/17549507.2023.2212142](https://doi.org/10.1080/17549507.2023.2212142)
5. Naumann, L., Reul-Hirche, H., Comans, T., **Burns C.L.**, Paratz, J., Cottrell, M. (2023). Evaluating telehealth for the education and monitoring of lymphoedema and shoulder dysfunction after breast cancer surgery. *Supportive Care in Cancer*, 3, 239. <https://doi.org/10.1007/s00520-023-07693-8>
6. **Burns, C. L.**, Cottrell, M., Jones, A., Foley, J., Rahmann, A., Young, A., Cruickshank, M., & Pateman, K. (2022). Prioritising enhancements across allied health telehealth services in a metropolitan hospital: Using a concept mapping approach. *Journal of Telemedicine and Telecare*, 28(10), 740–749. <https://doi.org/10.1177/1357633x221122106>
7. **Burns C.L.** & Hill A.J. (2022) Principles of practice for telepractice in speech pathology. Melbourne, Speech Pathology Australia.
8. Hill, A.J. & **Burns C.L.** (2022 updated). Speech Pathology Australia Position Statement: Telepractice in Speech Pathology. Melbourne, Speech Pathology Australia.
9. Ryan, M., Ward, E. C., **Burns, C. L.**, Carrington, C., Cuff, K., Mackinnon, M., & Snoswell, C. L. (2022). An evaluation of telephone versus videoconference consults for pre-treatment medication history taking by cancer pharmacists. *Journal of Telemedicine and Telecare*, 28(10), 750–756. <https://doi.org/10.1177/1357633x221122140>
10. Taubert, S.T., **Burns, C.L.**, Ward, E.C., & Bassett, L. (2022) Evaluation of the implementation of a speech and language therapist-led referring model for VFSS using the Consolidated Framework for Implementation Research (CFIR). *International Journal of Language & Communication Disorders*, 57, 977– 989. <https://doi.org/10.1111/1460-6984.12733>

Research Support: Grants awarded, including reference to completion or outcomes.

Dr Burns has received a total of >\$1.5M (2009-2023) in research funding for comprising of competitive internal grants (AHPOQ, RBWH Foundation; PAH Foundation), external grant schemes (NHRMC, AusHSI) and equipment grants (Central Integrated Regional Cancer Services, Statewide Telehealth Services).

Community engagement: Dr Burns actively engages in developing community awareness for speech pathology and telepractice services and research through developing videos for public viewing (UQ CRE in Telehealth - <https://www.youtube.com/watch?v=11TQ4QJ0Pew>); invited presentations to cancer care staff and support groups.

Supervision and mentoring: Dr Burns has supervised 2 PhD students to completion and currently co-supervises 5 UQ RHD students (4 PhD + 1 MPhil). She actively mentors health service colleagues in telepractice research in speech pathology, occupational therapy, audiology, and physiotherapy, pharmacy, and provides advice on speech pathology and telepractice services and research support to allied health colleagues across Australia. Her PhD students have received international and national research and service quality improvement awards. Dr Burns is an Affiliate Senior Lecturer for the School of Rehabilitation Sciences, UQ, where she conducts guest lectures and is a clinical educator.

Peer Review and Editorial Responsibilities: Dr Burns regularly review manuscripts for top-ranking journals - Dysphagia, Journal of Telemedicine and Telecare, European Journal of Cancer Care, Head and Neck, Supportive Care in Cancer, Psycho Oncology, American Journal of Speech-Language Pathology. She reviews applications for research schemes and is an invited panel member for assessment of PhD/MPhil student candidature.

Professional Involvement/Memberships: Dr Burns is an invited Affiliate of the Centre of Research Excellence in Telehealth (UQ) and the Centre for Research in Telerehabilitation (School of Health and Rehabilitation Sciences, UQ). She conducts research with Centre for Functioning and Health Research, QH; Australian Centre for Health Services Innovation, Queensland University of Technology; and Centre for Health Economics, Menzies Health Institute, Griffith University. She co-lead the development of national documents on telehealth for Speech Pathology Australia, within Queensland she leads the state-wide QH Speech Pathology Telepractice Dysphagia Services Working Party. Dr Burns is the Research Coordinator (Allied Health) for the RBWH Cancer Care Research Advisory Group. She has a growing international reputation having been invited to deliver training on speech pathology and telepractice services in the nationally and internationally. Dr Burns is a member of Speech Pathology Australia, American Speech and Hearing Association, Dysphagia Research Society, Australian Telehealth Society, and American Telemedicine Association.