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From: Amanda Mather [redacted]
Sent: Tuesday, 16 November 2021 1:29 PM
To: Economics and Governance Committee
Subject: RE: Proof transcript - Public hearing - Monday 15 November 2021 - Brisbane Olympic and Paralympic Games Arrangements Bill 2021
Attachments: Dutia_Time-motion analysis_submitted manuscript.pdf

Dear Secretariat,

Please find attached a pre-publication copy of the research paper discussed at the hearing and requested by the committee that was taken on notice. ***The full article is currently under embargo while it is under review and will be released following its publication.****

> Dutia, I., Curran, D., Donohoe, A., Tweedy, S. M. (Submitted, 2021). *"How long will you be?": A comparative time-motion analysis of swimming training sessions for swimmers with and without high support needs cerebral palsy.* 1-16. The University of Queensland, School of Human Movement and Nutrition Sciences.

Please let me know if you need any further information.

Kind regards
Amanda

Amanda Mather | Chief Executive Officer

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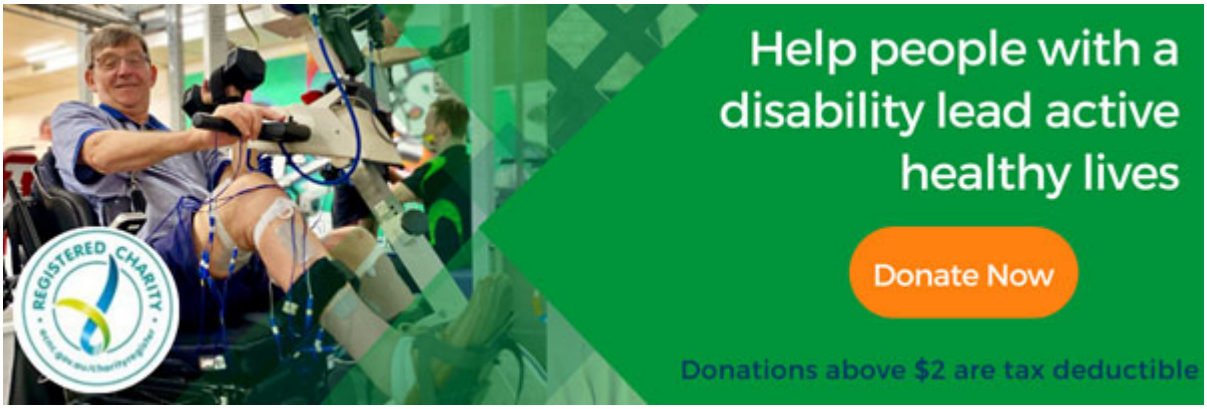

Suggested citation: Dutia, I., Curran, D., Donohoe, A., Tweedy, S. M. (Submitted, 2021). *"How long will you be?": A comparative time-motion analysis of swimming training sessions for swimmers with and without high support needs cerebral palsy.* 1-16. The University of Queensland, School of Human Movement and Nutrition Sciences.

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"How long will you be?": A comparative time-motion analysis of swimming training sessions for swimmers with and without high support needs cerebral palsy.

Abstract

Logic suggests that the time required to prepare for sport and recreation activities will be greater for people with cerebral palsy who have high support needs (CPHSN) than the general population. However, the magnitude of the time cost has not been quantified, and the tasks incurring the greatest time costs have not been identified. A comparative time-motion analysis was carried out to identify and quantify the time taken for tasks required for people with CPHSN to participate in para swimming, compared with non-disabled swimmers. The time cost for swimmers with CPHSN was 6.6 – 13.0 times greater than non-disabled swimmers (ES = 4.1-9.5). Tasks requiring assistance incurred the greatest time costs. The extremely large magnitude of the additional time-cost for these participants is likely to generalise to others with HSN and to other contexts. Findings have implications for service providers, practitioners and researchers in the adapted physical activity field.