**CURRICULUM VITAE**

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| **Name:** Dr David McWilliams | |
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| **Present appointment:** | |
| Clinical Academic Physiotherapist / Associate Professor  University Hospitals Coventry & Warwickshire NHS Trust | |
| **Address:** | |
| Clifford Bridge Road  Coventry  CV2 2DX | |
| **Telephone number:** | **Email address:** |
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| **Qualifications:** | |
| PhD by Publication. Manchester Metropolitan University (2018)  MSc Cardiorespiratory Physiotherapy by research with distinction. Manchester Metropolitan University (2013)  BSC (Hons) Physiotherapy First Class. Coventry University (2002) | |
| **Professional registration:** *(Name of body, registration number and date of registration.)* | |
| Health & Care Professions Council - PH62499  Full registration since August 2002 | |
| **Previous and other appointments:** *(Include previous appointments in the last 5 years and other current appointments.)* | |
| **University Hospitals Birmingham NHS FT (Aug 2016 – Nov 2020)**  **Post:** Band 8b Consultant Physiotherapist – Critical care  **University Hospitals Birmingham NHS FT (Feb 2012 – Jul 2016)**  **Post:** Band 8a Clinical Specialist Physiotherapist – Critical care  **Central Manchester NHS FT (Jan 2010 – Feb 2012)**  **Post**: Band 8a Clinical Lead Physiotherapist - Critical Care | |
| **Awards and additional roles:** *(Summary of research experience, including the extent of your involvement. Refer to any specific clinical or research experience relevant to the current application.)* | |
| * European Society of Intensive Care Medicine (ESICM) Chair Physiotherapy WG 2015 – present * HEE/NIHR ICA Programme Mentor * NICE expert advisor for critical care physiotherapy * Winner of N&AHP award for best abstract at ESICM annual congress in 2013 and as primary supervisor in 2017, 18, 19 * Association of Chartered Physiotherapists in Respiratory Care Critical Care Champion 2007 – 2013 | |
| **Funding awards** | |
| * Co Applicant NIHR HTA Researcher-Led - ERASER TRIAL: Early Rib Analgesia with Serratus. **£1,782,916.15 (2020)** * Co Applicant NIHR cross programme grant - Rehabilitation Exercise and psycholoGical support After covid-19 InfectioN (REGAIN)**£1,191,977.49 (2020)** * Birmingham Health Partners post-doctoral bridging programme grant **£13,077 (2019)** * Co applicant on Ministry of Defence grantfor Restorative Virtual Environments for Rehabilitation (REVERE) projects **£84,941 (2015) Lead Dr Charlotte Small** * Commercially funded (Arjo) trial entitled does the Sara Combilizer®, an early mobilization aid, reduce the time taken to first mobilise ventilated patients in Intensive Care? **£100,516 (2014)** * Lead applicant on a QEHB Charities grant for project entitled Enhancing rehabilitation of mechanically ventilated patients in the intensive care unit: A quality improvement project. **£16,686 (2012)** * Co applicant on rfpb funded REMAIC trial looking at the impact of structured rehabilitation and supplemental nutrition for patients admitted to critical care. **£227,526 (2010) – (Lead Professor Richard Griffiths)** | |
| **Relevant publications:** | |
| **McWilliams D**, Weblin J, Hodson J, Veenith T, Whitehouse T, Snelson C. (2020) Rehabilitation levels in COVID-19 patients admitted to intensive care requiring invasive ventilation: An observational study. Annals ATS. 18(1)  Marti JD, **McWilliams D**, Gimeno-Santos E (2020) Physical Therapy and Rehabilitation in ChronicObstructive Pulmonary Disease PatientsAdmitted to the Intensive Care Unit. SRCCM. DOI: 10.1055/s-0040-1709139  **McWilliams D,** Snelson C, Goddard H, Attwood B (2019) Introducing early and structured rehabilitation in critical care: A qualityimprovement project. ICCN. 53 pp79-83  **Mcwilliams D** (2018) Prehospital physical function and strength can influence clinical outcomes of critically ill older adults. *Evidence-Based Nursing*. 21:74.  **McWilliams, D.,**Jones, C., Atkins, G., Hodson, J., Whitehouse, T., Veenith, T., Reeves, E., Cooper, L., Snelson, C. (2018) Earlier and enhanced rehabilitation of mechanically ventilated patients in critical care: A feasibility randomised controlled trial. *Journal of critical care. Apr (44). pp. 407-412*  **McWilliams, D.** (2017) ‘Implementation of early and structured rehabilitation in ICU: The importance of multidisciplinary team working and communication.’ *Intensive Care Unit Management & Practice*, 17(4) pp. 250-252  **McWilliams, D.** (2017) ‘Reading between the lines, the key to successfully implementing early rehabilitation in critical care.’ *Intensive and Critical care Nursing*. 42, October pp. 5-7  Weblin, J., **McWilliams, D.,** Tucker, O. (2017) ‘Feasibility of implementing prehabilitation in patients undergoing major oesophagogastric cancer resection: a single centre experience.’ *Association of Chartered Physiotherapists in Respiratory Care Journal.* 49, January pp. 82-94  Snelson C, Jones C, Atkins G, Hodson J, Whitehouse T, Veenith T, Thickett D, Reeves E, McLaughlin A, Cooper L, **McWilliams D**. (2017) A comparison of earlier and enhanced rehabilitation of mechanically ventilated patients in critical care compared to standard care (REHAB): study protocol for a single-site randomised controlled feasibility trial. *Pilot and Feasibility Studies*. 3:19  **McWilliams DJ**, Atkins G, James Hodson J, Boyers M, Lea T, Snelson C(2016) Feasibility and reliability of the Manchester Mobility Score as a measure of physical function within the Intensive Care Unit. *ACPRC Journal*. 48; 26-33  **McWilliams DJ**, Duffy L, Snelson C (2016) Current rehabilitation practices for patients  admitted to critical care in the UK: a 5 day pointprevalence survey of 12 adult general intensivecare units.*ACPRC Journal.* 48; 5-13  Major ME, Kwakman R, Kho M, Connolly B, **McWilliams D**, et al (2016) Surviving critical illness: what is next? An expert consensus statement on physical rehabilitation after hospital discharge. *Critical Care.*20:354  **McWilliams D**, Atkins G, Hodson, Snelson C (2016) The Sara Combilizer as an early mobilisation aid for critically illpatients: A prospective before and after study. *Australian Critical Care.* http://dx.doi.org/10.1016/j.aucc.2016.09.001  Bakhru R, **McWilliams DJ,** Wiebe DJ, Spuhler VJ, Schweickert WD (2016) Intensive Care Unit Structure Variation and Implications for EarlyMobilization Practices: An International Survey. *Annalsof the American Thoracic Society.*13(9):1527-37  **McWilliams D**, Benington S, Atkinson D (2016) Outpatient based physical rehabilitation for survivors of prolonged critical illness: A randomised controlled trial. *Physiotherapy Theory and Practice*  Bakhru RN, Wiebe DJ, **McWilliams DJ**, Spuhler VJ, Schweikert WD (2015) An Environmental Scan for Early Mobilization Practices in United States Intensive Care Units. *Critical Care Medicine.*  Jones C, Eddleston J, McCairn A, Dowling S, **McWilliams D**, Coughlan E, Griffiths RD (2015) Improving rehabilitation following critical illness through outpatient physiotherapy classes and essential amino acid supplement: a randomised, controlled trial. *Journal of critical care.* 30(5):901-7  **McWilliams D,** Weblin J, Atkins G *et al.* (2014) Enhancing rehabilitation of mechanically ventilated patients in the intensive care unit: A quality improvement project. *Journal of critical care.* 30(1):13-8  Edwards J, **McWilliams D**, Thomas M, Shah S (2014) Electrical muscle stimulation in the intensive care unit: an integrative review. *Journal of the Intensive Care Society.* 15(2):142-149.  Benington S, **McWilliams D**, Eddleston J, Atkinson D. Exercise testing in survivors of intensive care--is there a role for cardiopulmonary exercise testing? *J Crit Care*. 2012 Feb;27(1):89-94. Epub 2011 Sep 29.  **McWilliams DJ**, Westlake EV, Griffiths RD. Weakness on the Intensive Care Unit – Current Therapies. *British Journal of Intensive care* 2011 Summer edition. 23-27  **McWilliams DJ**, Atkinson JFD, Conway DH (2009) The impact and feasibility of a physiotherapy led, exercise based rehabilitation programme for intensive care survivors. *Physiotherapy Theory and Practice.*25(8):566-71  **McWilliams DJ**, Pantelides KP (2008) Does Physiotherapy led early mobilisation affect length of stay on ICU. *ACPRC Journal.* 40; 5-11  **Books and Book Chapters**  Boulanger C, **McWilliams D** (eds) (2020) Passport to successful ICU discharge. Springer Nature, Switzerland.  **McWilliams D**, Gustafson O (2020) Mobility and Function. In: Boulanger C, **McWilliams D** (eds) Passport to successful ICU discharge. Springer Nature, Switzerland.  **McWilliams DJ**, Hough A (2017) Critical care, support and monitoring. In: Hough A. (ed) Hough's Cardiorespiratory Care. 5th ed., Elsevier, pp. 431 - 476  **McWilliams DJ**, Hough A (2017) Physiotherapy for critically ill patients. In: Hough A. (ed) Hough's Cardiorespiratory Care. 5th ed., Elsevier, pp. 477 - 518  **McWilliams DJ**, Lea, T, Hough A, (2017) Modifications for different disorders. In: Hough A. (ed) Hough's Cardiorespiratory Care. 5th ed., Elsevier, pp. 519 - 554  **McWilliams DJ**, Thomas A (2013) Chapter 16 Physical Mobility and Exercise Interventions for Critically Ill Patients. In: Mallet J, Albarran JW, Richardson A. Critical Care Manual of Clinical Procedures and Competencies. Wiley, Oxford  **Guidelines**  National Institute for Health and Care Excellence [NICE]. (2017) Rehabilitation after critical illness. London: NICE (Nice quality standard no 158)  National Institute for Health and Care Excellence [NICE]. (2009) Rehabilitation after critical illness. London: NICE (Nice guideline no 83) | |
| **Presentations and additional roles** | |
| I am nationally and internationally recognised as an expert in critical care rehabilitation, taking the role of a UK physiotherapy representative for the International Early Mobilisation Network Group (chaired by Professor Dale Needham). I am regularly invited to lecture on rehabilitation in and after critical care including multiple presentations in Europe (>30), North America (10) and Asia (5). I am a member of the Nurse and Allied Health Professional (AHP) committee for the European Society of Intensive Care Medicine (ESICM) and the current chair of the Physiotherapy Working Group Sub-committee. Within my current role I am also the AHP lead for research, supporting others in development of their own research ideas, protocol development, data analysis and write up for publication. Within this role I have also acted as a supervisor for both MRes (3) and PhD applicants (2). | |
| **Signature:** | **Date:** |
| David McWilliams | 16th June 2020 |