



Survey of Perspectives, Attitudes and Barriers to Early Mobilisation in Paediatric Intensive Care

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With thanks to Kazuhiro Maki, RN, Dr Subodh Ganu, Dr Steve Keeley
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PICU – a snap shot

- > Improved survival; mortality of 2.5%
- > Increased focus of short and long term outcomes
- > ICU Acquired Weakness 1.7%-30%
- > Delirium incidence 4.5%-28%
- > Long term developmental sequelae with functional disability, cognitive impairment and mental health issues
- > **Growing evidence base to support early mobilisation in PICU**

ANZPICS (2016)

Daoud et al. (2014) *Critical Care*

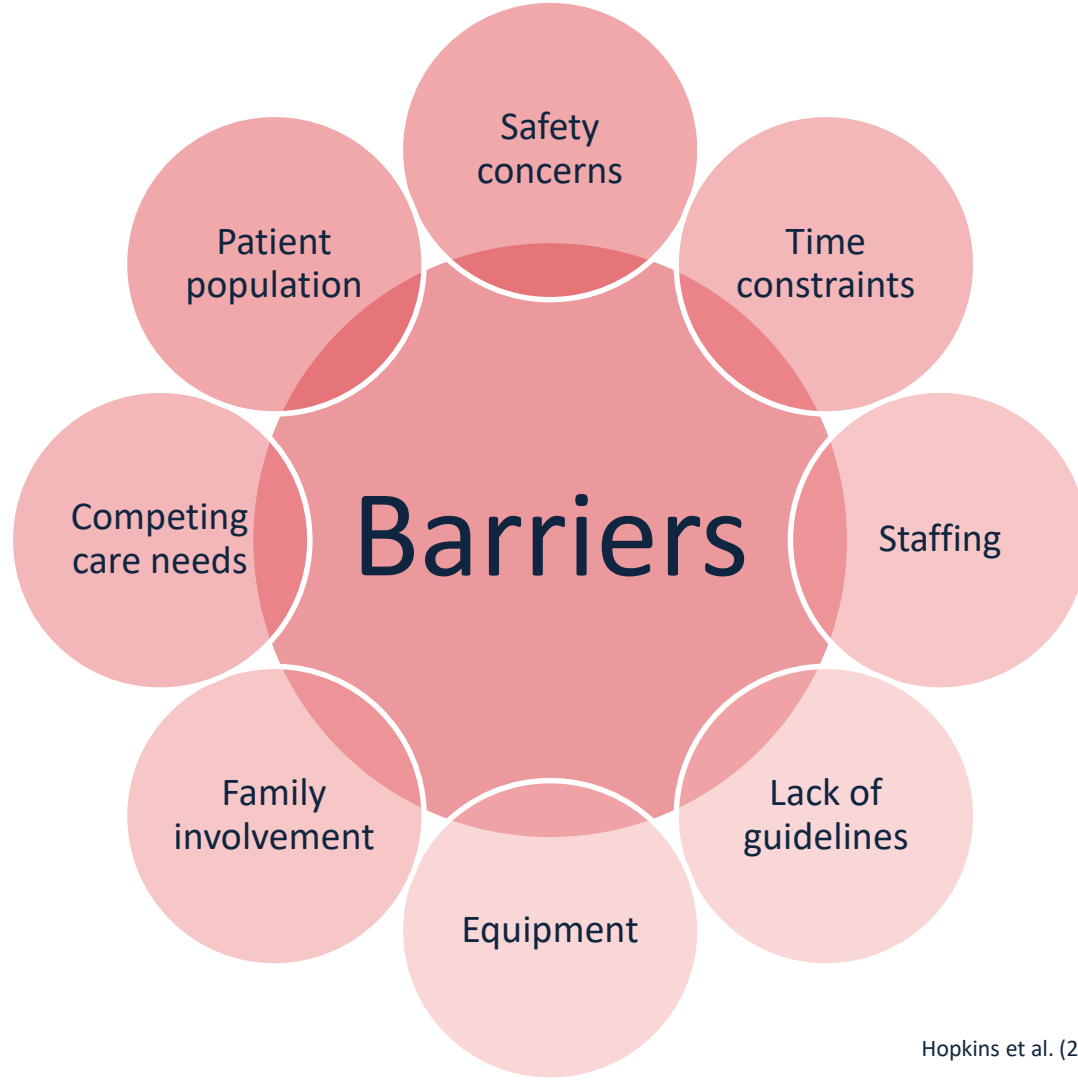
Hopkins et al. (2015) *J Paediatric Intensive Care*

Smeets et al (2009) *Euro Child Adol Psychiatry*

Smith et al (2011) *Anaesthesiology Clin.*

Smith et al (2011) *Crit Care Med*





Setting

- > 12 bed PICU, tertiary, teaching hospital
- > 6 consultants, 70 nursing staff, 2 physios
- > Level 5 PICU
- > Stable staff base
- > focussed on family centred care

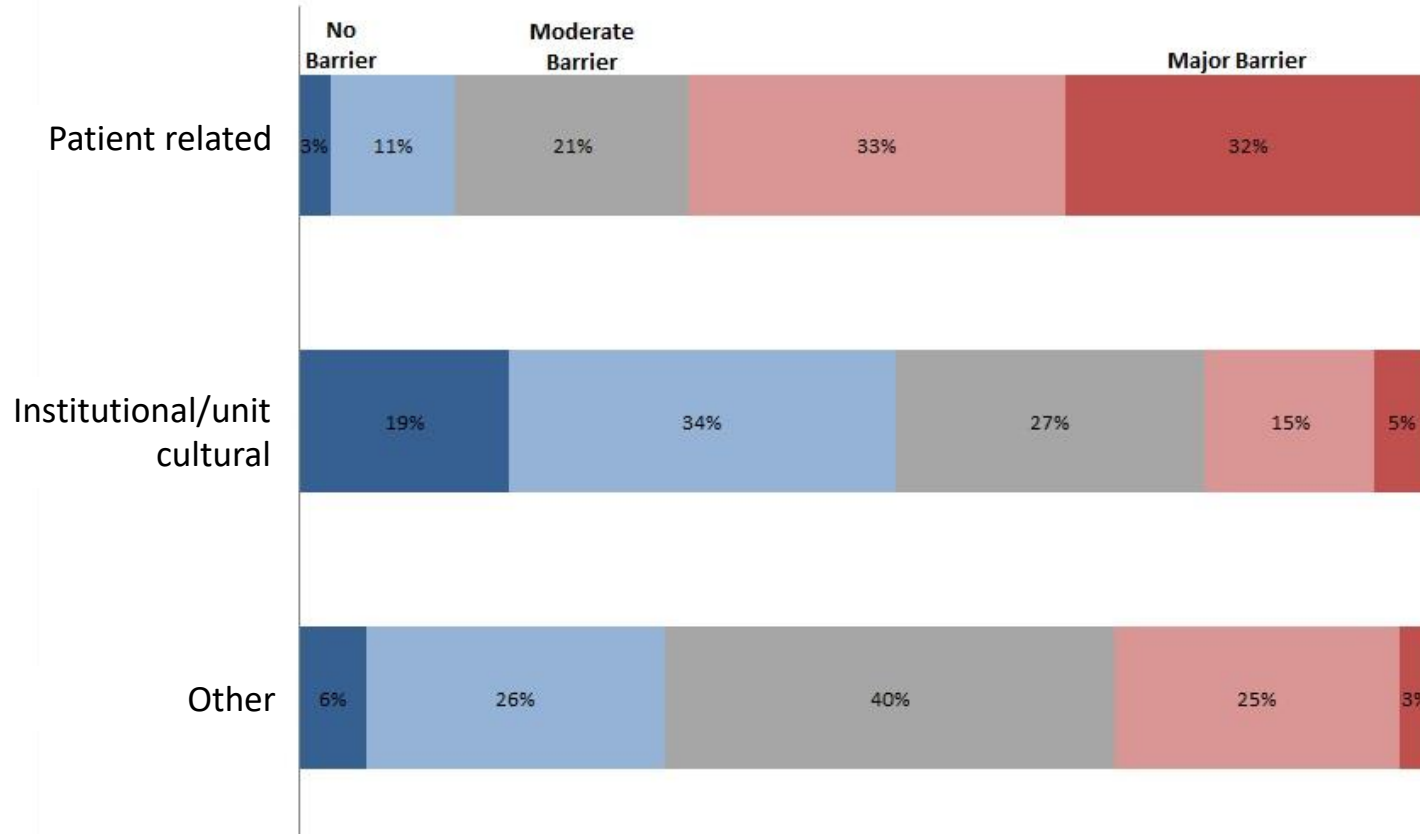




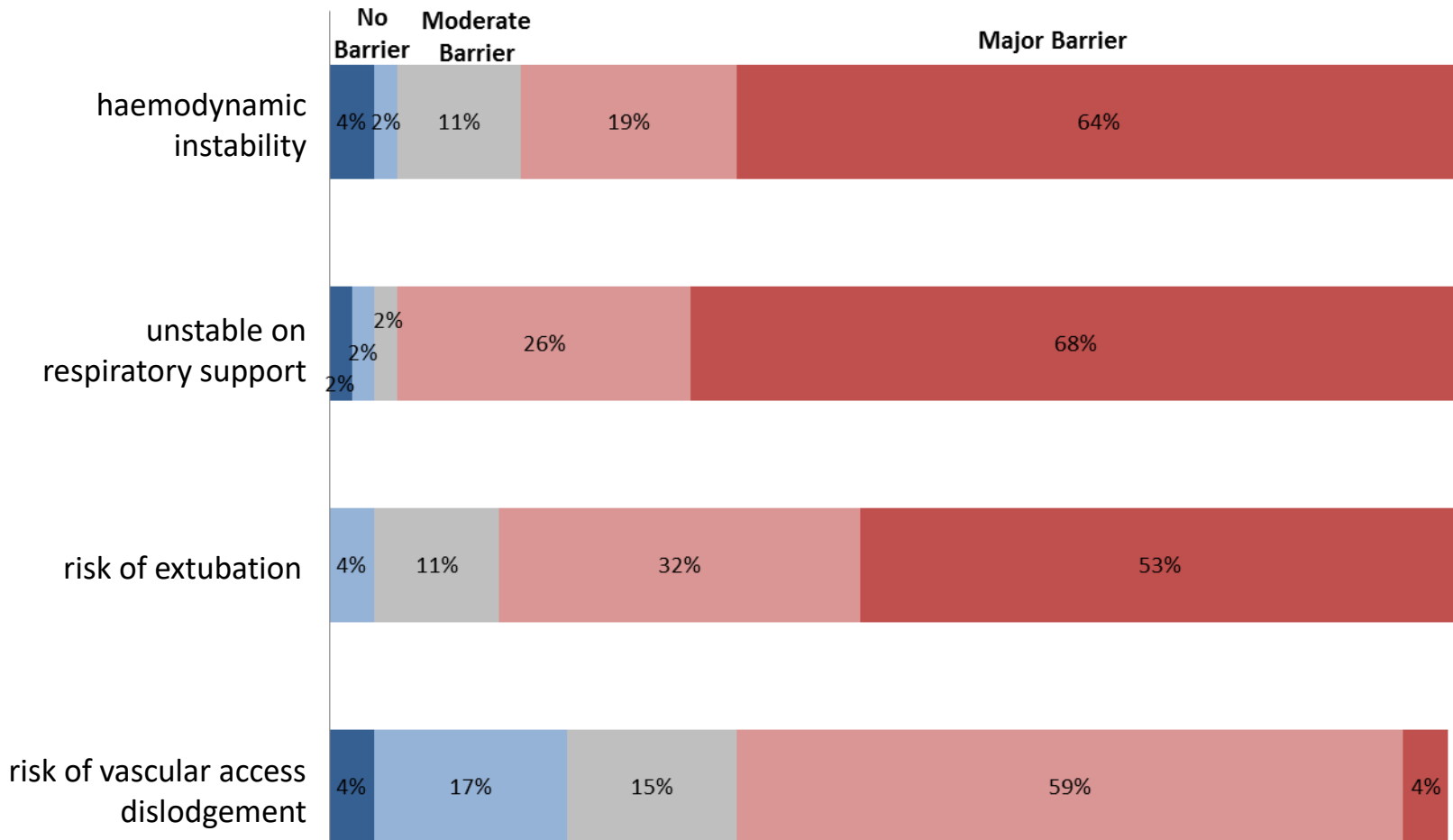
Survey Overview

- > Paper based survey of nursing, medical and physiotherapy staff working in PICU
- > Conducted over 6 week period
- > 1-5 Likert scale
- > 3 sections – patient related, institutional and other barriers
- > Total 47 responses, 77% response rate
- > 68% of respondents had mobilised a patient in the past fortnight

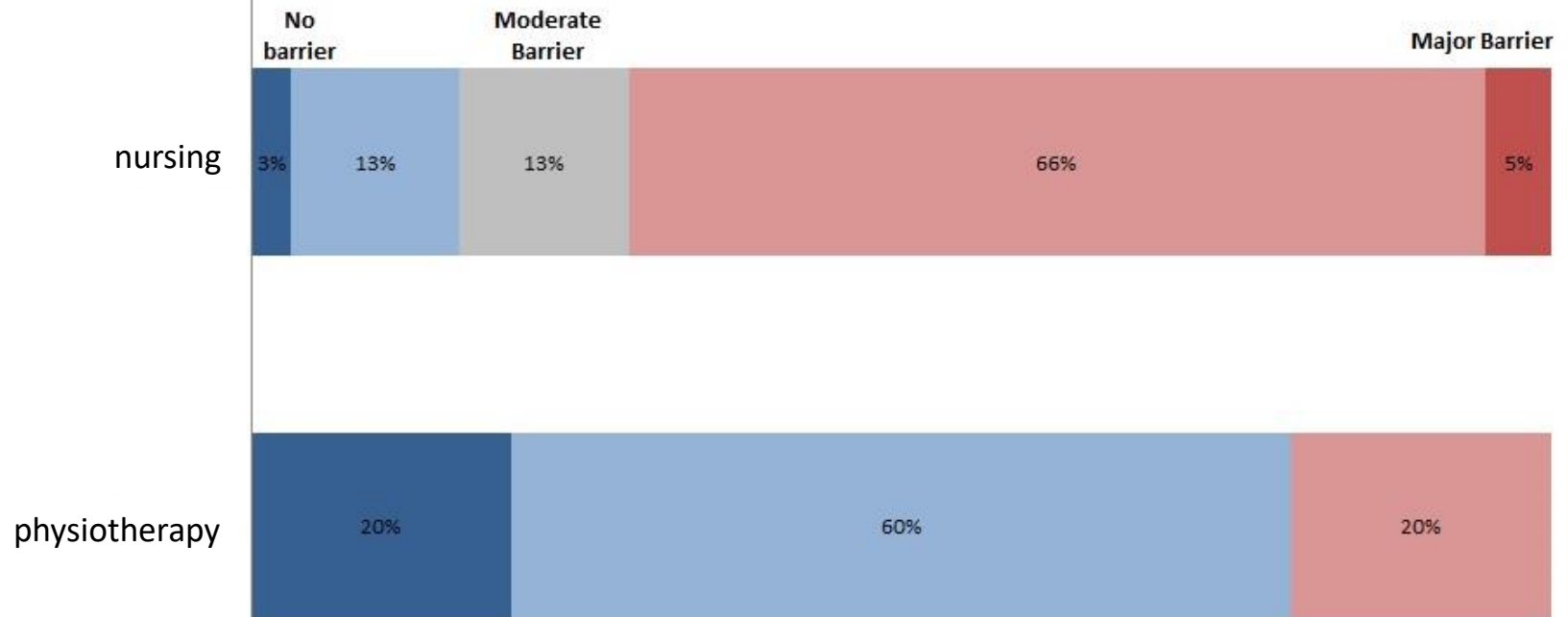
Comparison of questionnaire domains



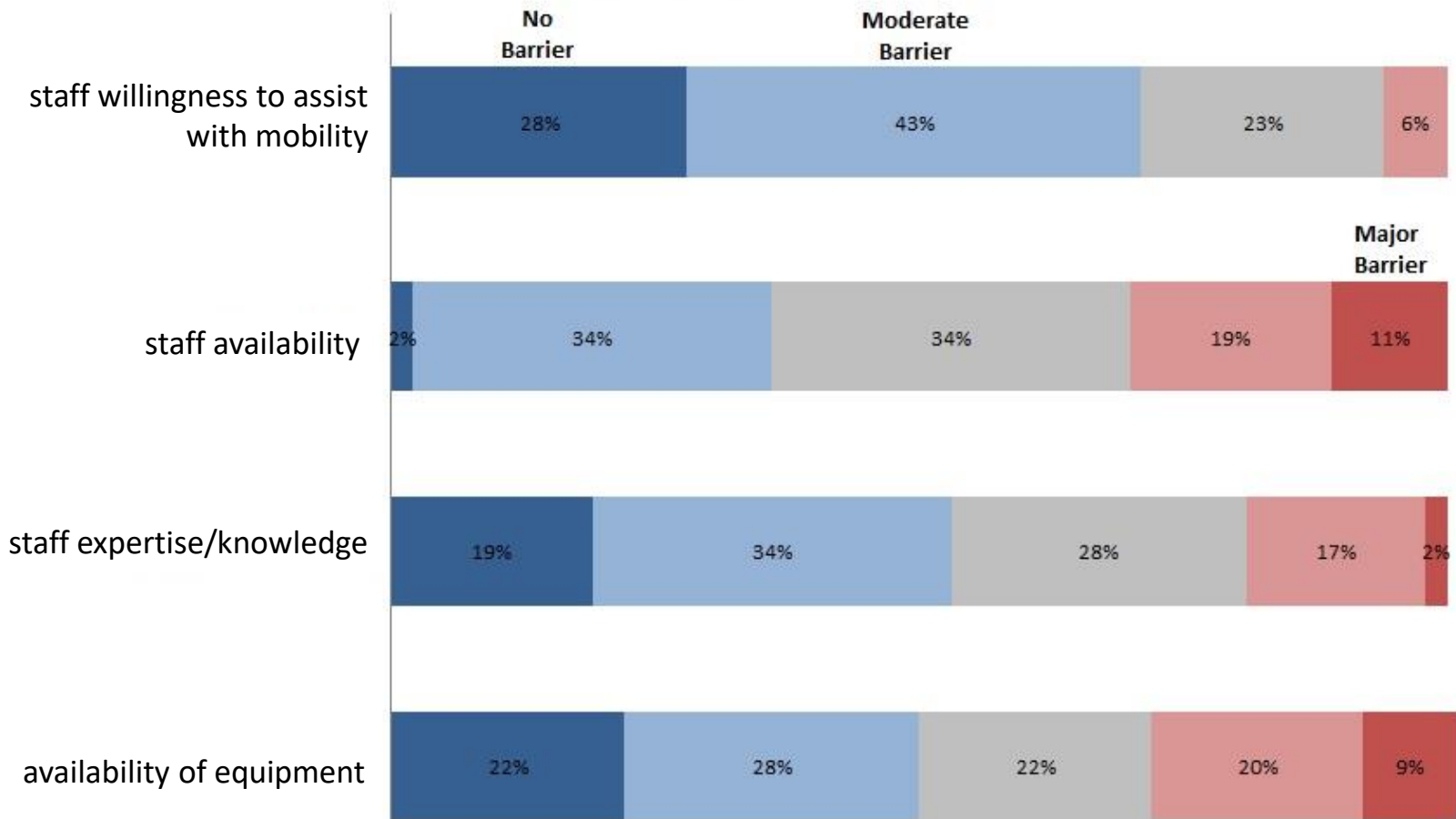
Patient related barriers to early mobilisation



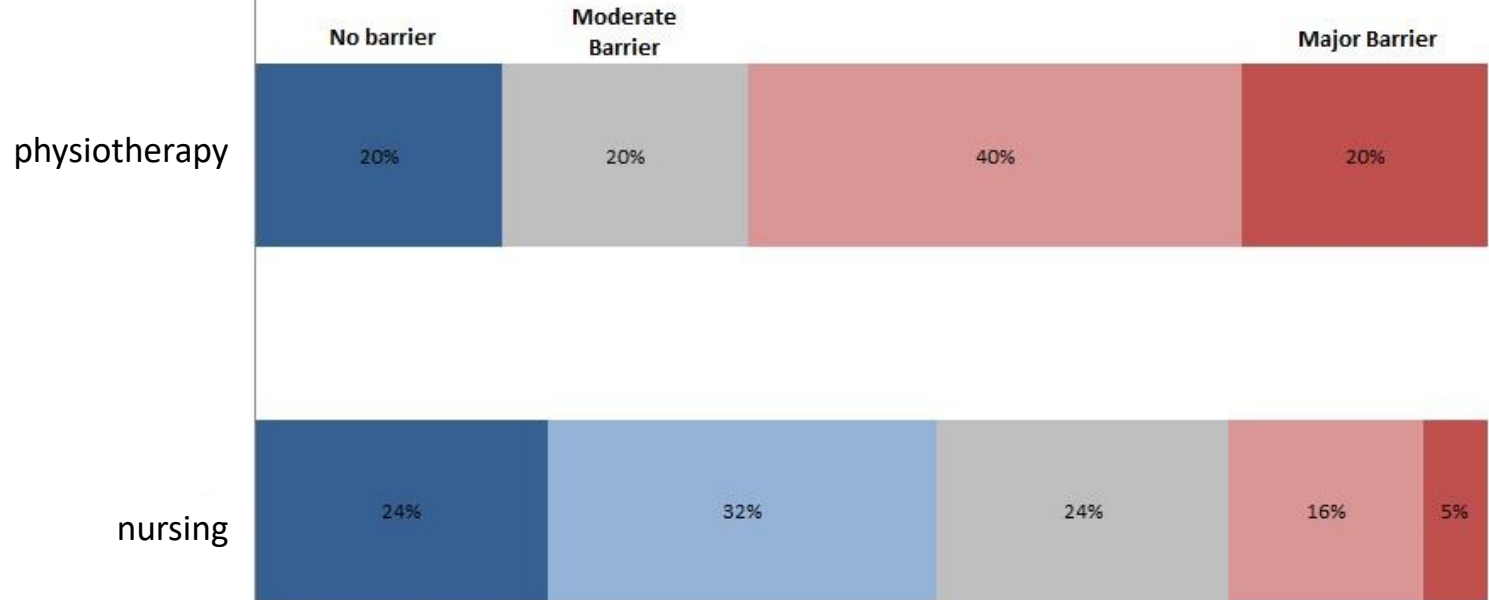
Risk of vascular access dislodgement



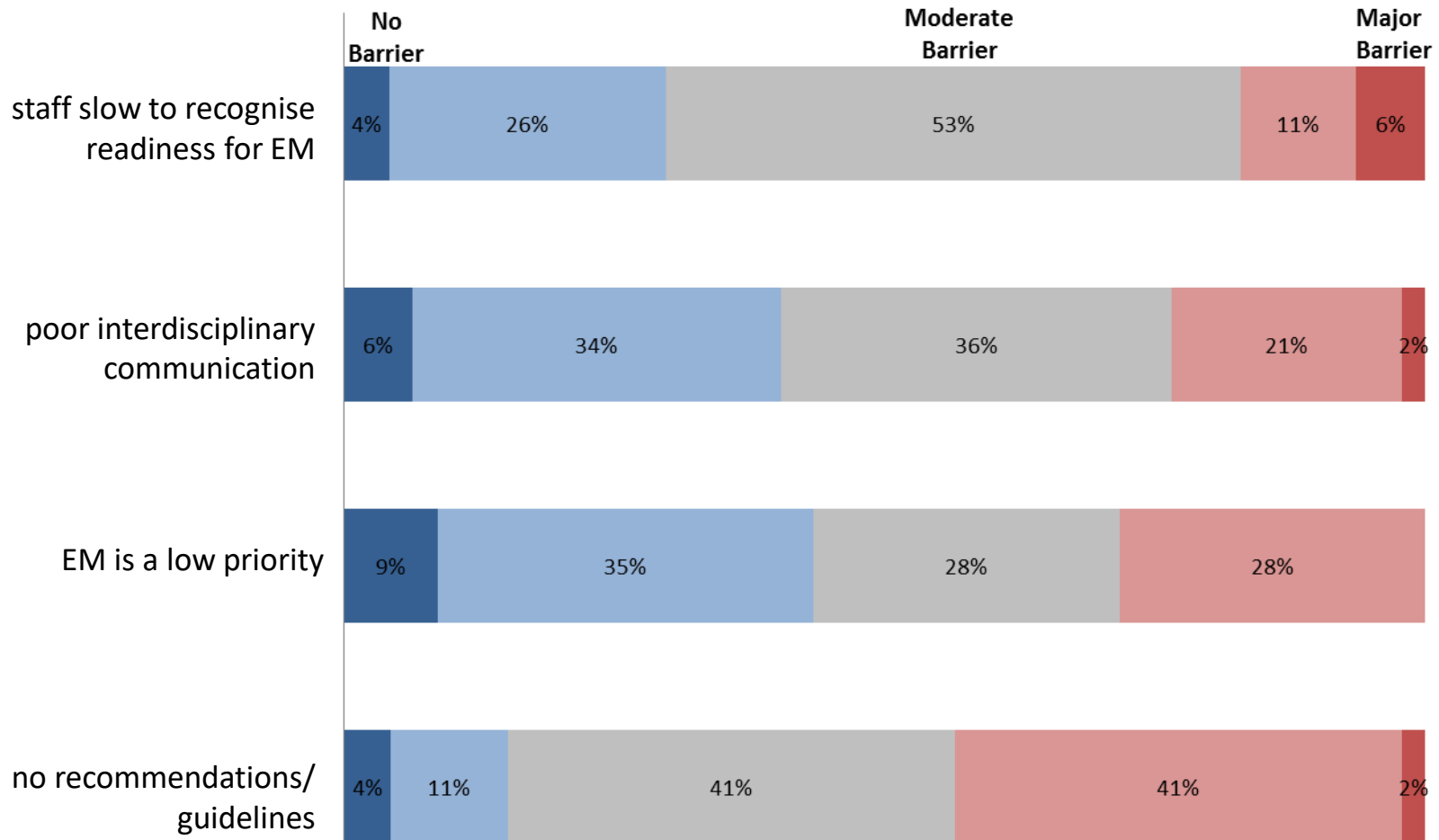
Institutional/unit cultural related factors



Availability of appropriate equipment



Other barriers



Comments - themes

- > Early Mobilisation is a multidisciplinary responsibility
- > It's just too hard
- > Parental anxiety is major barrier





Where to from here?

- > Follow up research project for 2019 – developing patient safety screening tool and trial of multidisciplinary communication framework
- > Development of site specific recommendations for early mobilisation
- > Development of education materials for families
- > Multidisciplinary consultation and education

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