

Examination of the Role of Interprofessional Teamwork in the Implementation and Maintenance of the ABCDE Bundle in Jefferson Intensive Care Units

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Today's Objectives

- Identify three overall barriers and strategies perceived by ICU staff in the implementation and maintenance of the ABCDE bundle.
- Compare and contrast the barriers and strategies identified by profession.
- Evaluate the role of interprofessional collaboration in the implementation and maintenance of the ABCDE bundle in the ICU setting.

Purpose

- Assess the role of interprofessional teamwork in Jefferson intensive care units (ICUs)
- Analyze the attitudes and perceptions of Jefferson ICU staff regarding the ABCDE Bundle and interprofessionalism within their teams via a survey

Background

- ABCDE Bundle rolled out in spring 2014
 - Awakening and Breathing Coordination, Delirium Monitoring and Management, and Early Mobility
- Interprofessional team training workshop held in spring 2014
 - 60 Jefferson ICU interprofessional staff from all units

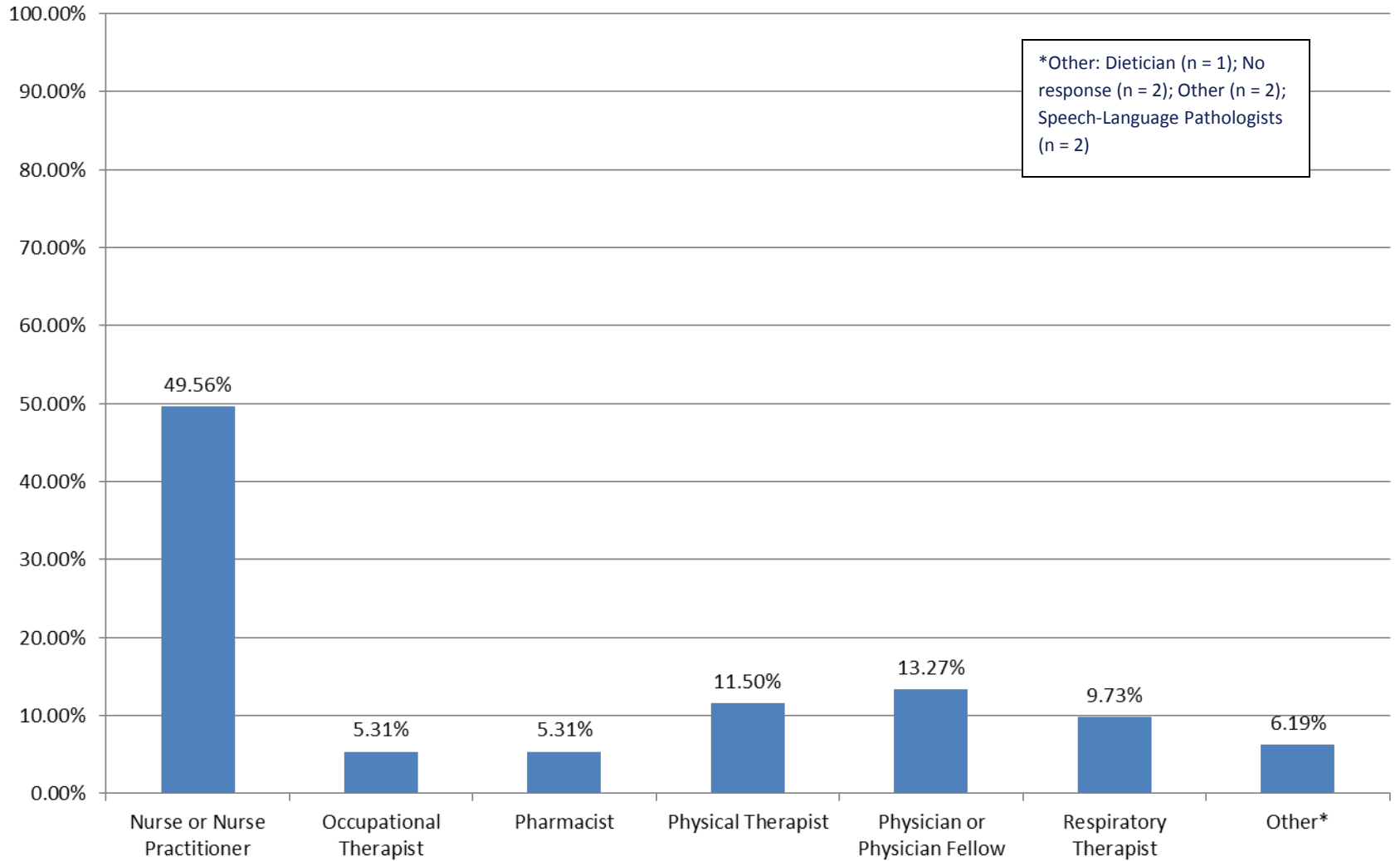
Survey

- Barriers to and strategies for ABCDE Bundle implementation brainstormed by staff during workshop
- Questions taken directly from the brainstorming session
- Additional questions repeated from pre/post-workshop evaluation

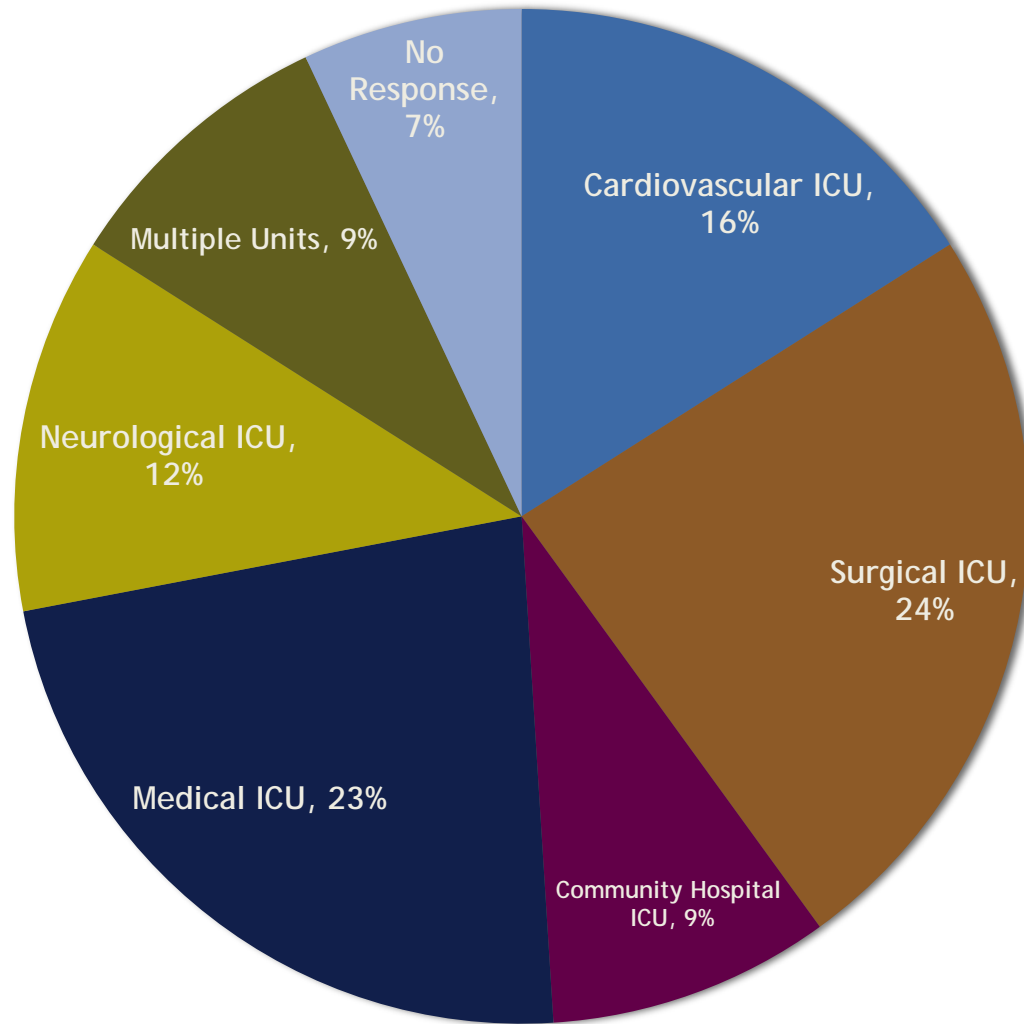
Survey

- Administered in August 2015 over one month
- Advertised in all ICUs and via targeted emails to professional groups
 - e.g., rehabilitation medicine therapists, respiratory therapists, clinical nurse specialists, attending physician staff in various departments, etc.

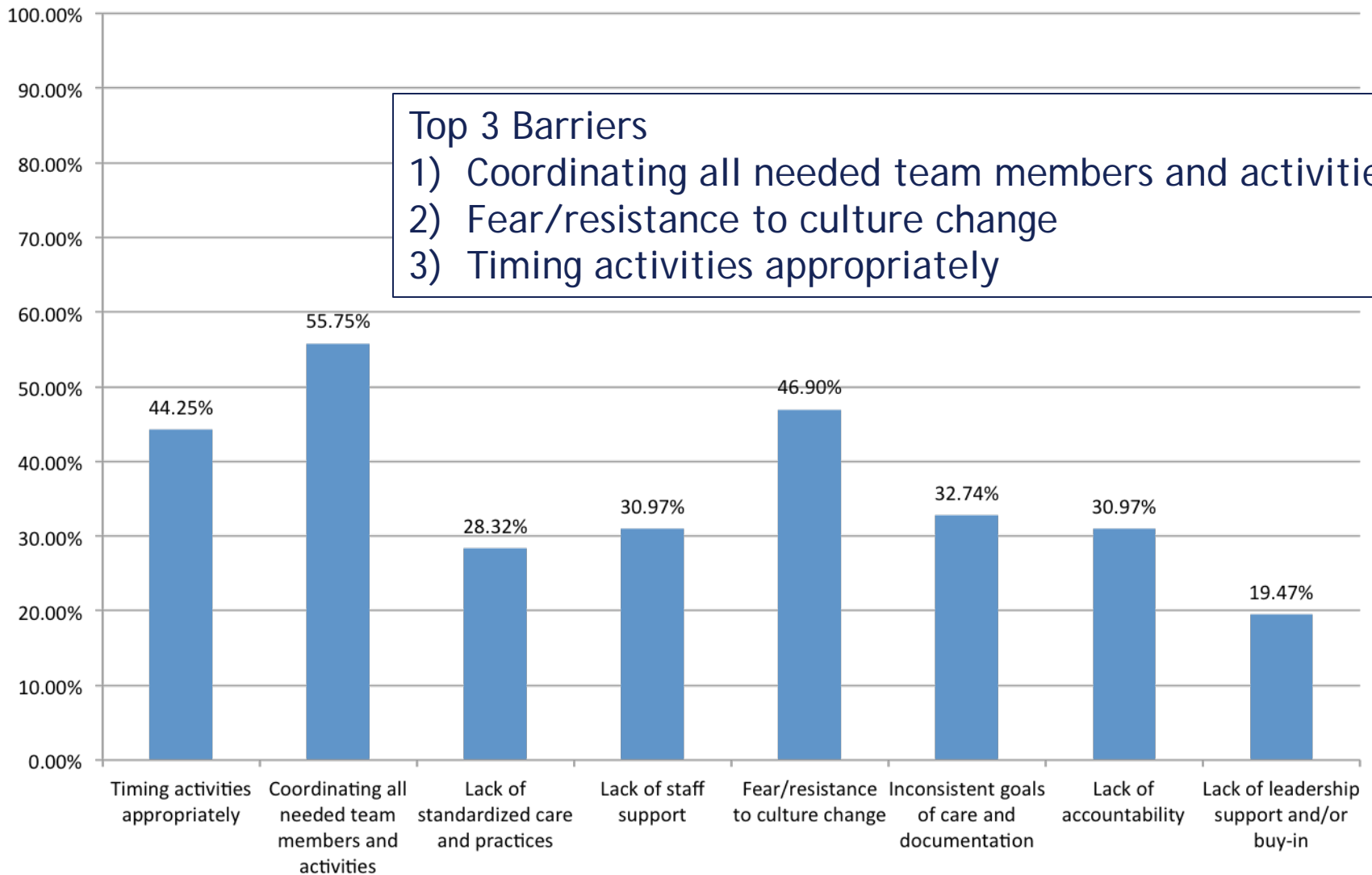
Respondent Demographics (n = 113)



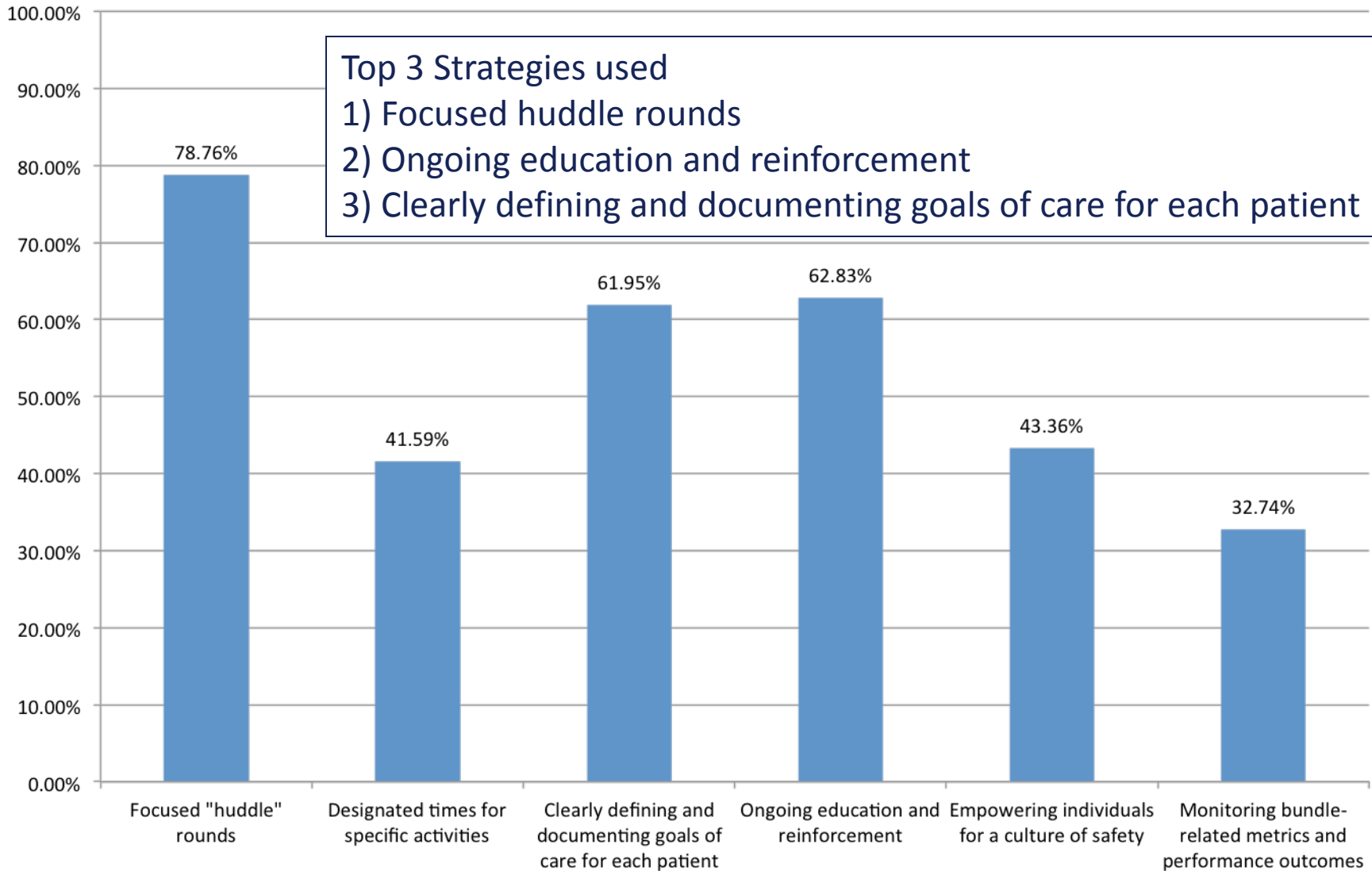
Units (n = 113)



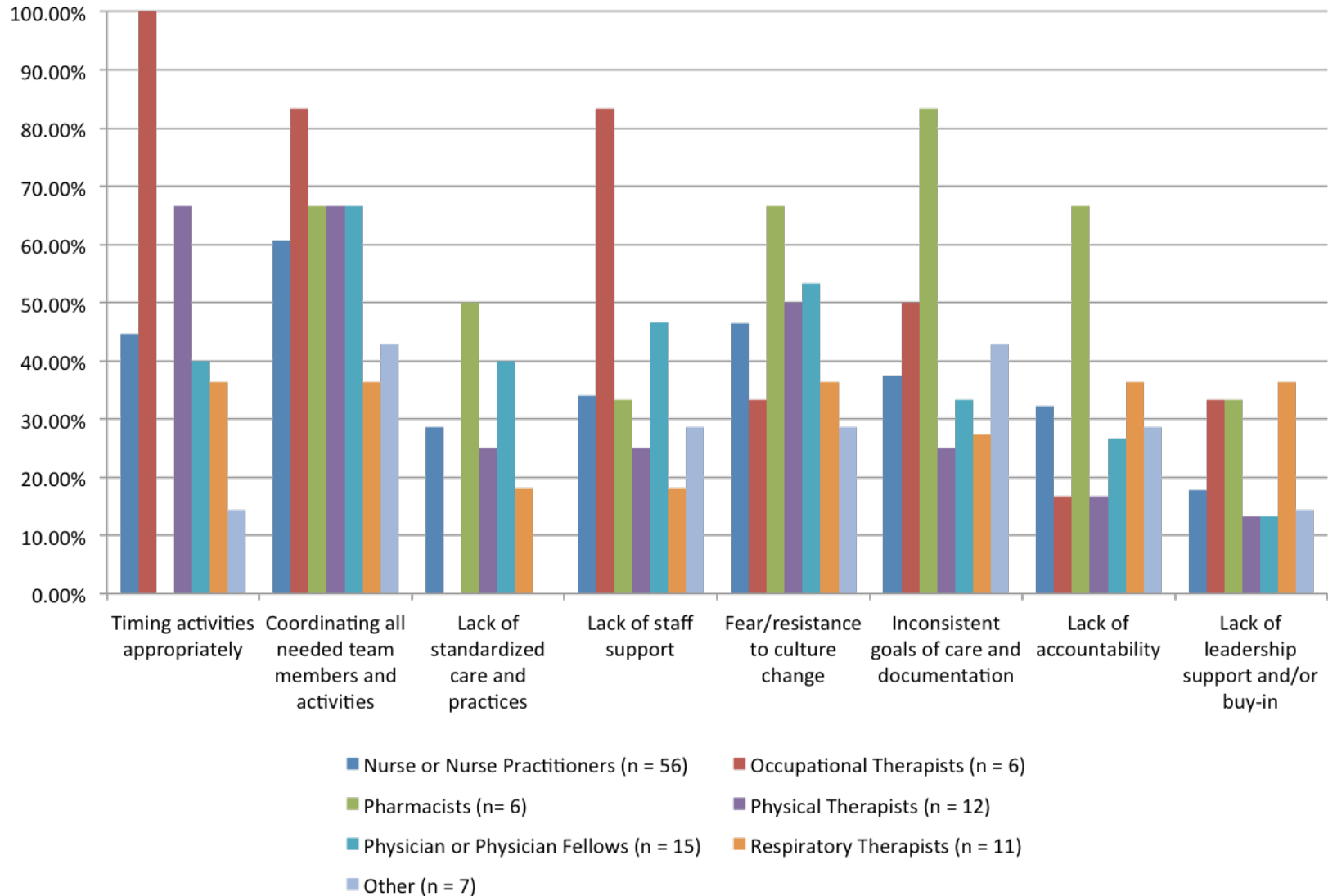
Overall Barriers Perceived (n = 113)



Overall Strategies Used (n = 113)



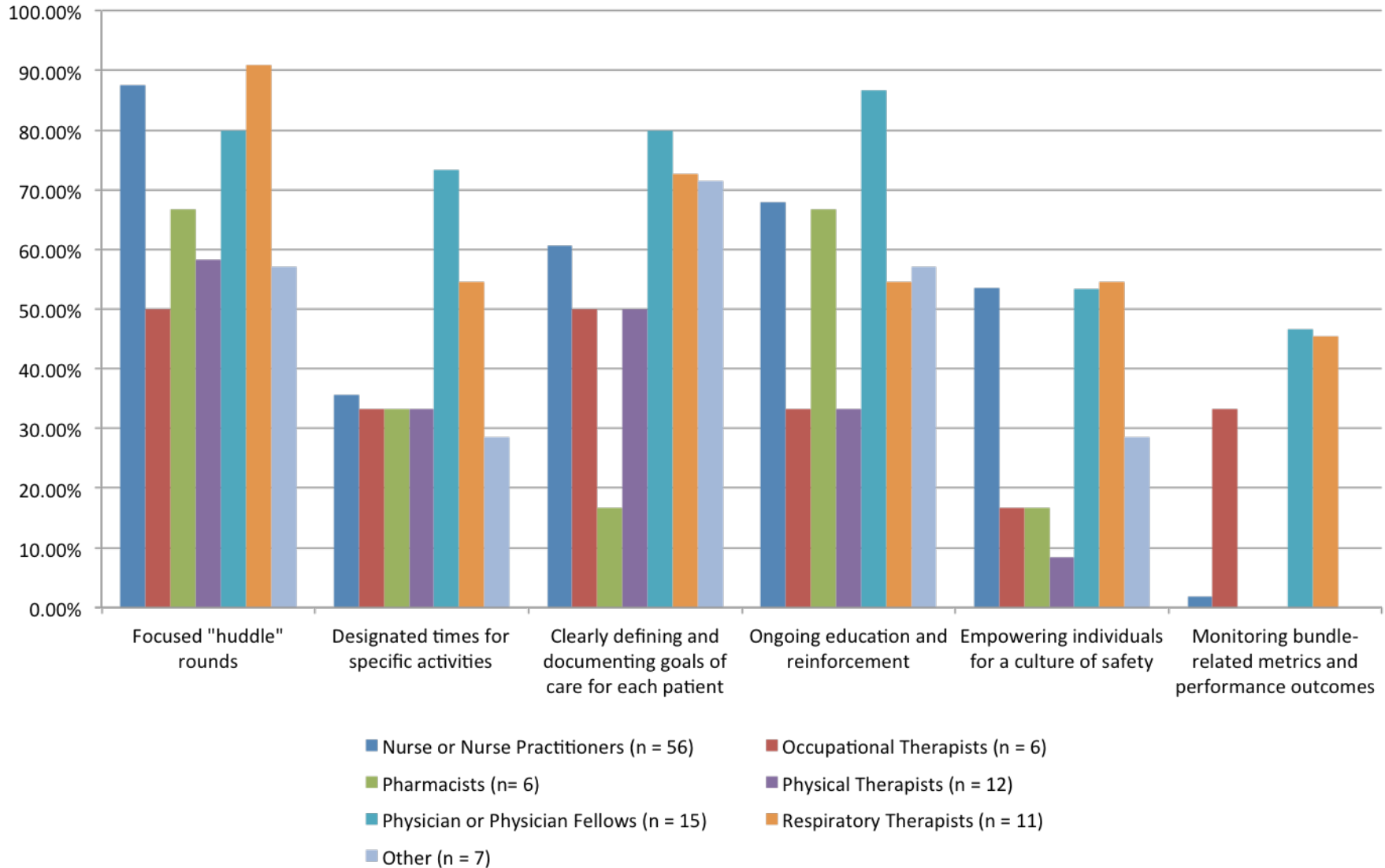
Overall Barriers Perceived by Profession



Summary: Barriers

- Consistent agreement on lack of coordination as perceived barrier
- Fear and resistance to culture change also relatively consistent
- Consensus around leadership support
- Certain professions perceived barriers more so than others:
 - Timing activities appropriately not problematic - Pharmacy
 - Inconsistent goals of care and documentation - Pharmacy
 - Lack of staff support - Occupational Therapy

Overall Strategies Used by Profession



Summary: Strategies

- Huddle rounds popular, but some variation in usage/ inclusion by profession
- Certain professions use particular strategies more so than others:
 - Not empowered for a culture of safety - OT, Pharmacy, PT, Others
 - Metrics and performance outcomes being monitored - Medicine, OT, Respiratory Therapy
 - Not a lot of ongoing education and reinforcement - OT, PT
- Overall, physicians feel that most strategies are being used

Lessons Learned

- Difficult to disseminate survey to all ICU staff
- Difficult to calculate total n and thus the response rate
- Lack of statistical support

Follow-up

- Presented to medical directors of the ICUs and to unit specific councils
- Resource to guide quality improvement projects

Further Investigation

- Attitudinal changes from pre/post-workshop and follow-up survey
- Comparisons between workshop attendees and non-workshop attendees
- Impact of bundle on patient care outcomes
- Perceptions of interprofessional care from patient's perspective

Questions?