

ICU Care Team's Perception of Clinical Research in the Intensive Care Unit (ICU): A Cross-sectional Study

INTRODUCTION



Recruitment in an ICU is challenging & efficient recruitment may determine a study's success



ICU RNs have an integral role in research recruitment

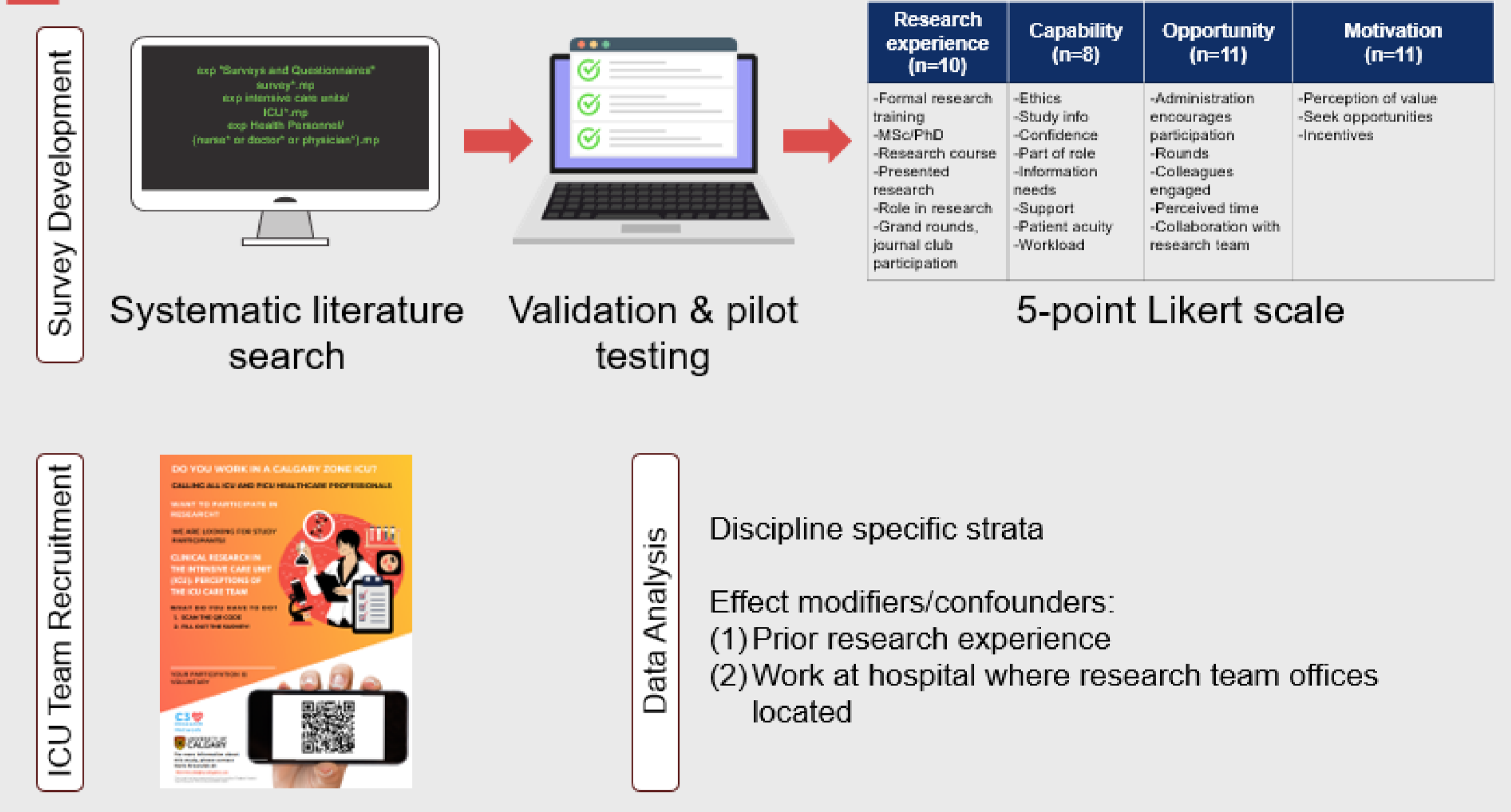


A larger group of multidisciplinary healthcare professionals (the ICU care team) is equally important in promoting clinical research participation.

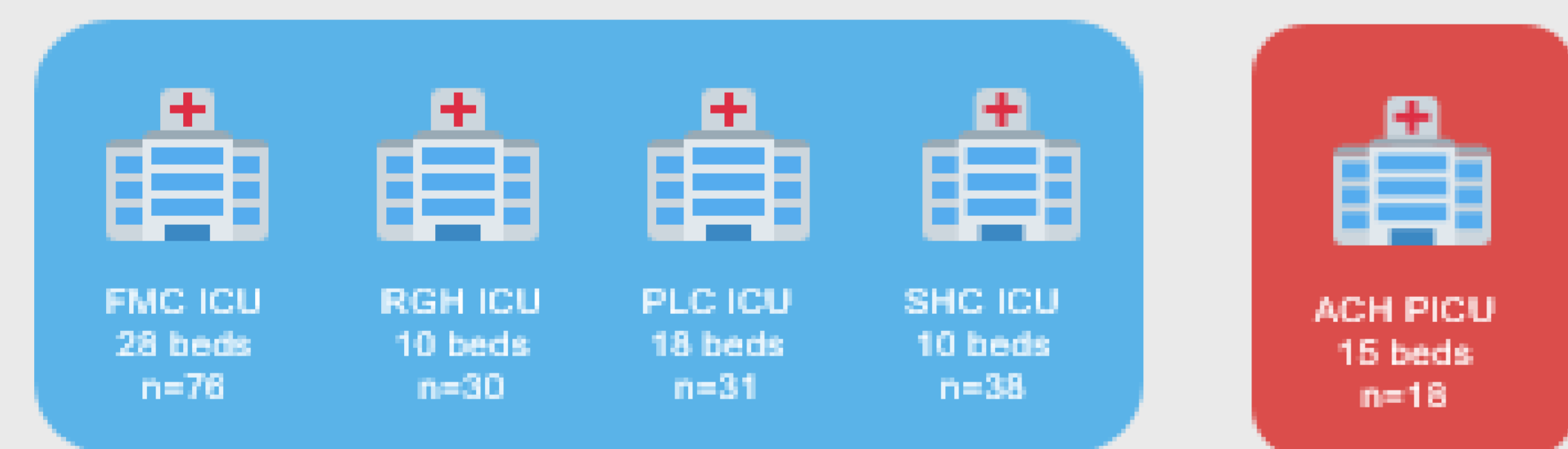
OBJECTIVES

To describe the ICU care team's experiences with the conduct of ongoing clinical research, perceived facilitators and barriers to their participation in the facilitation research and apply a behavior framework towards better ICU care team research engagement.

METHOD



RESULTS



June 2021-March 2023
172 participants
83% women
65% registered nurses
15% respiratory therapists

Figure 1. Participant characteristics.

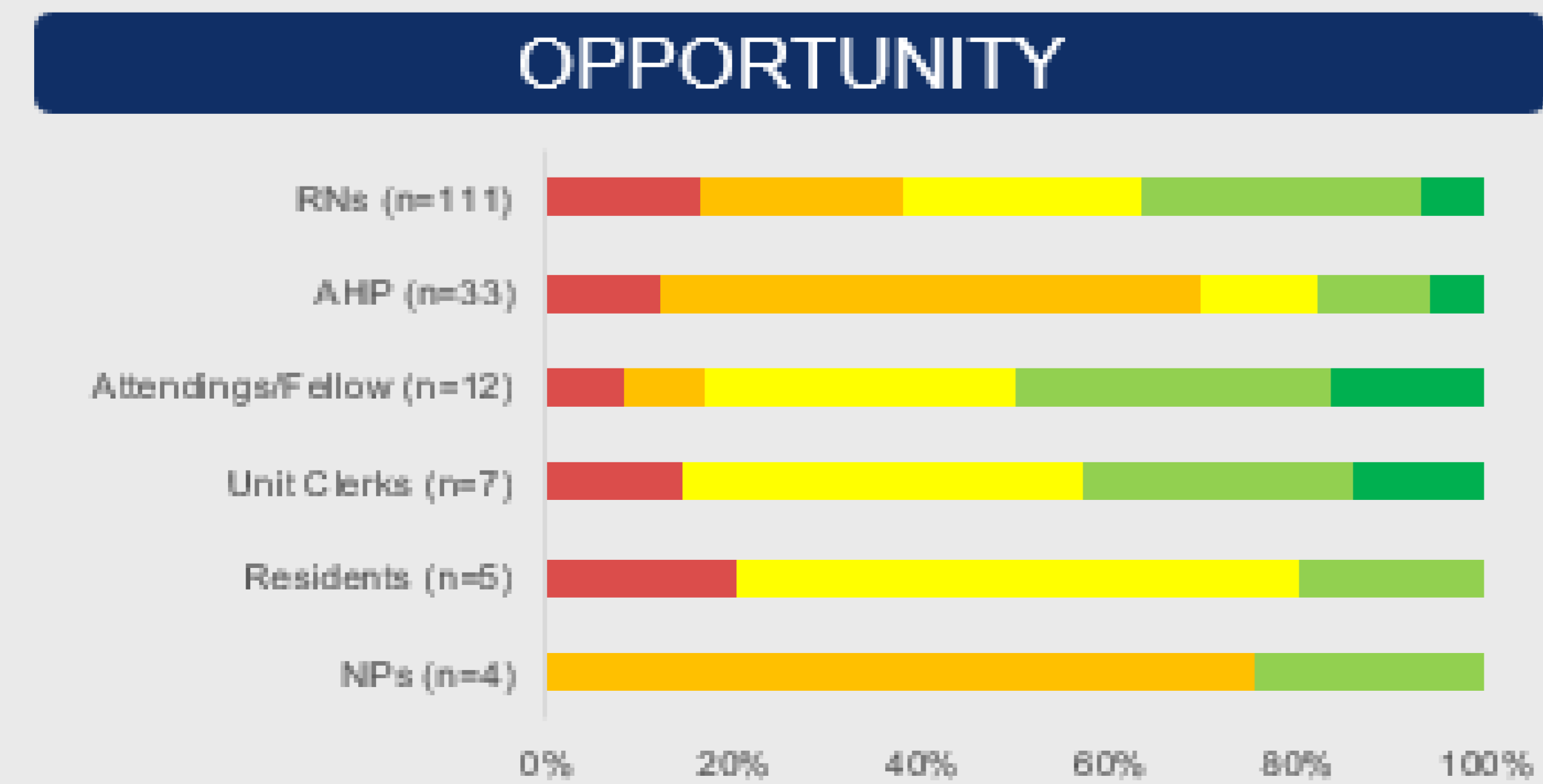


Figure 3. Select results for the Opportunity domain where participants were asked to rate the phrase "I have enough time to participate in the conduct of ICU research studies" using a 5-point Likert scale.

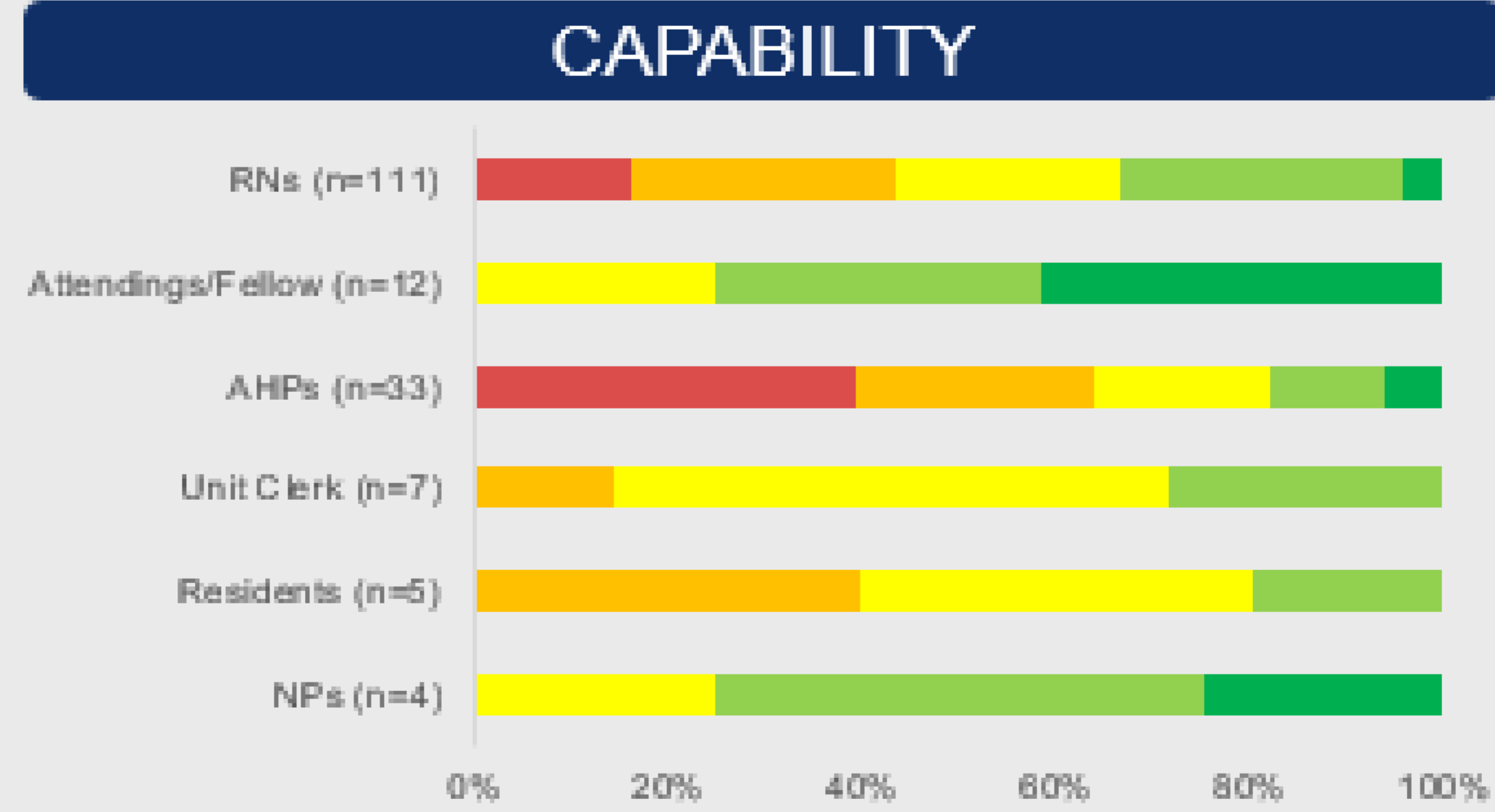


Figure 2. Select results for the Capability domain where participants were asked to rate the phrase "I feel confident in my ability to talk to patients/families about ICU research studies" using a 5-point Likert scale.

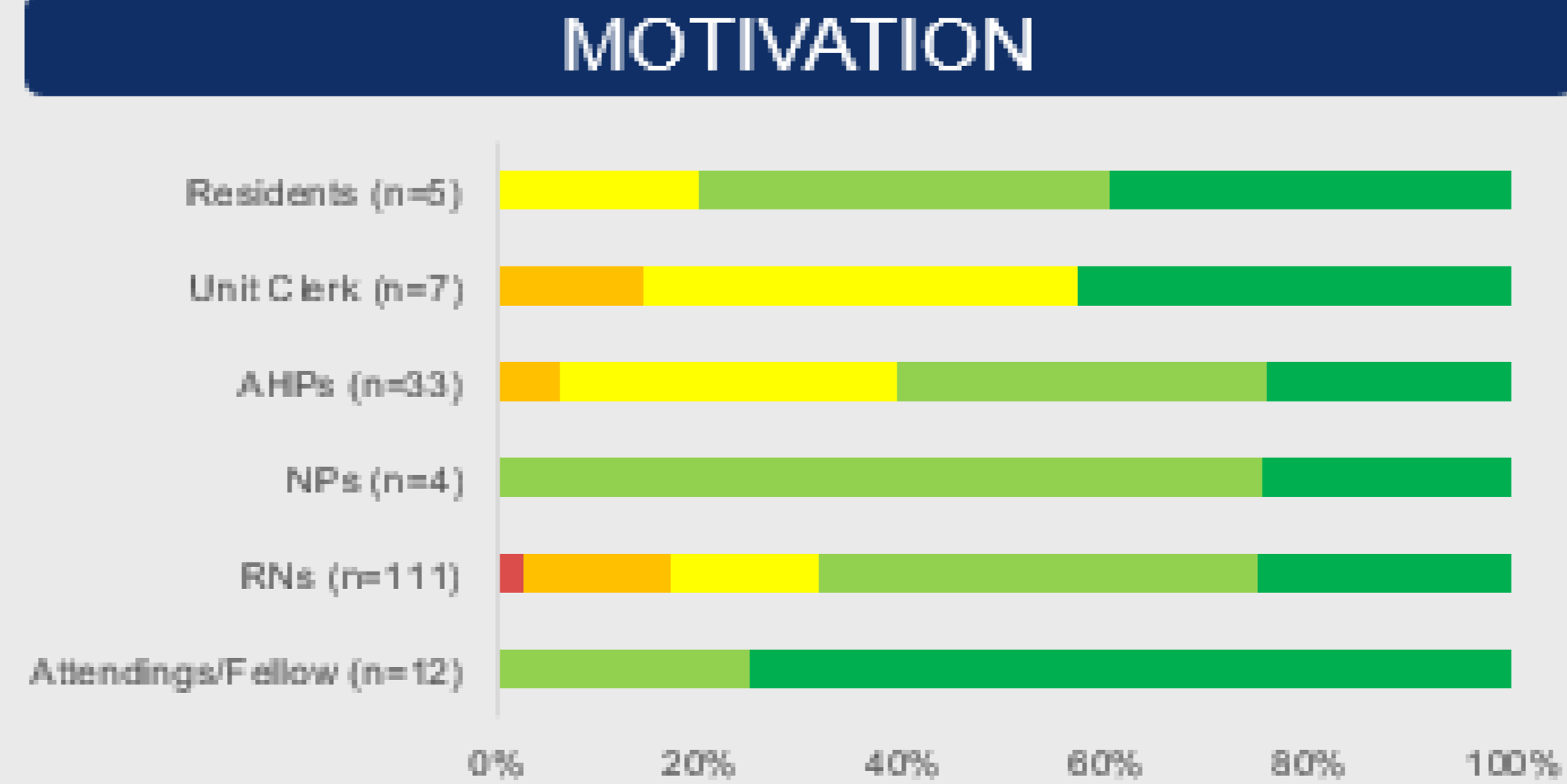


Figure 4. Select results for the Motivation domain. Participants were asked to rate the phrase "If study entry criteria are met, all patients/families in the ICU should be approached for participation in ICU research studies" using a 5-point Likert scale.

CONCLUSION

- We were able to identify discipline-specific facilitators and barriers to ICU team participation in the conduct of research. The following interventions may improve ICU care team engagement:
 - (1) Modeling: script/infographic on how to introduce research to patients/families
 - (2) Incentivization: gift cards, tracking & acknowledging when an ICU team member helps
 - (3) Champions: RNs or physicians discussing research during rounds
 - (4) Education (newsletter): research progress/results

ACKNOWLEDGEMENTS

We would like to thank the registered nurses, nurse practitioners, physicians, respiratory therapists, physiotherapists, dietitians, pharmacists, unit clerks, and healthcare assistants who participated in our surveys. This work has been supported by Research Coordinators grant from the Canadian Critical Care Trials Group.

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INTRODUCTION



Recruitment in an ICU is challenging & efficient recruitment may determine a study's success



ICU RNs have an integral role in research recruitment



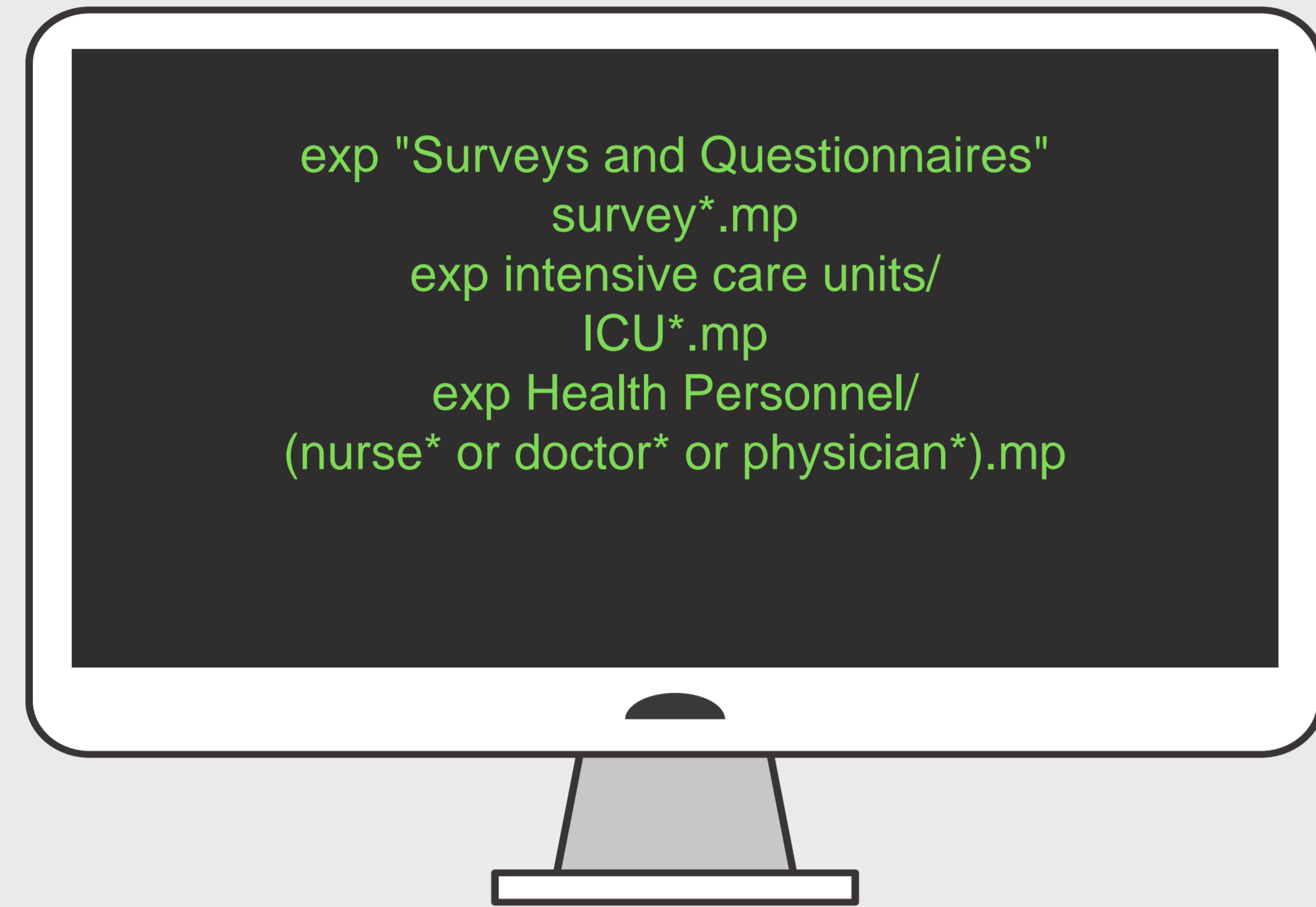
A larger group of multidisciplinary healthcare professionals (the ICU care team) is equally important in promoting clinical research participation.

OBJECTIVES

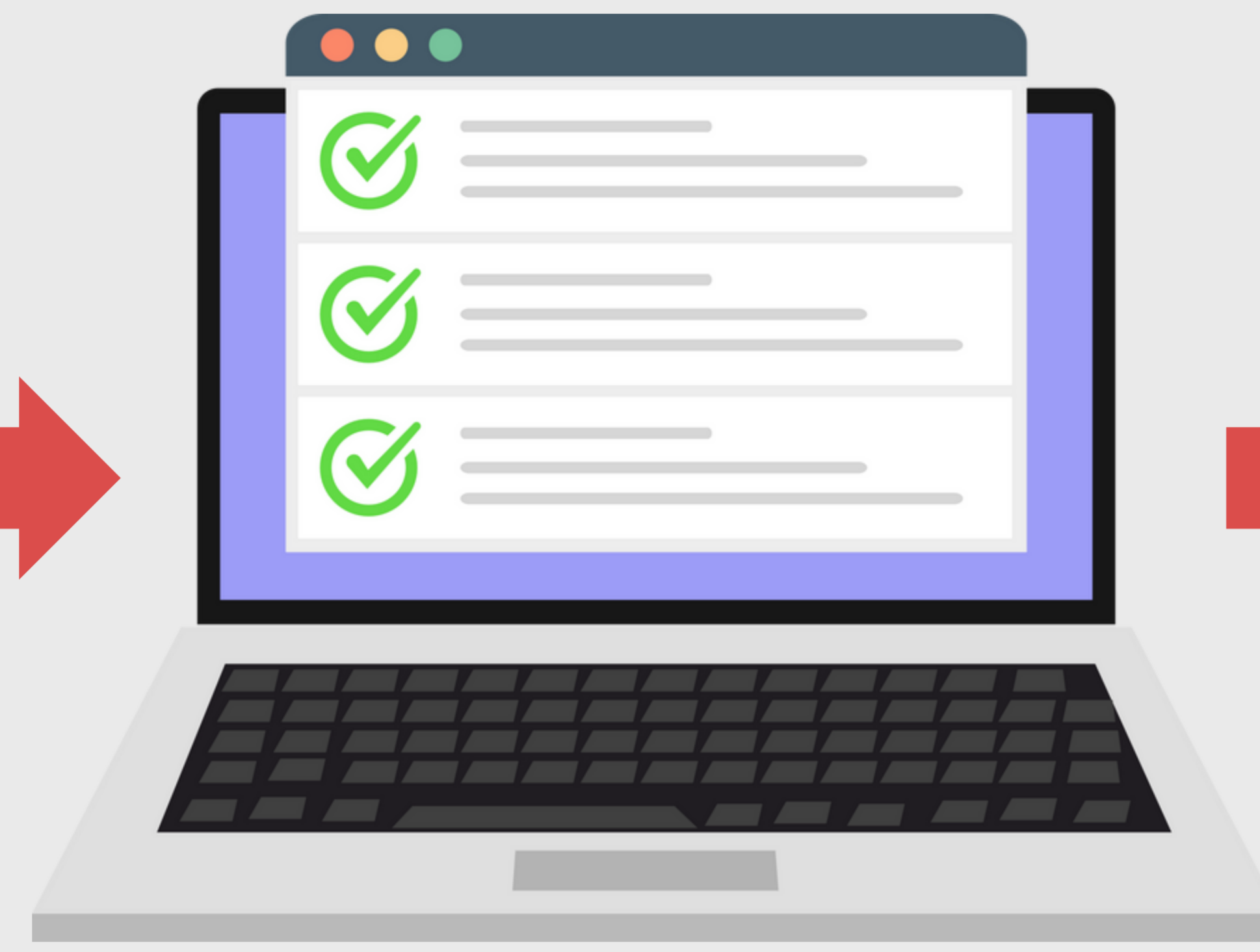
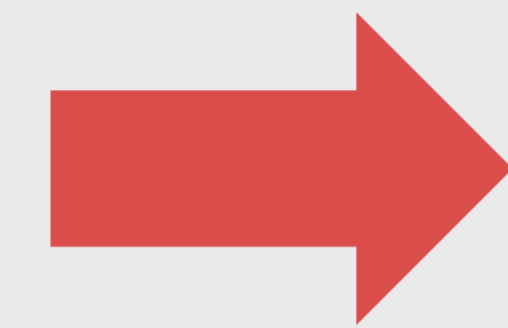
To **describe** the ICU care team's **experiences** with the conduct of ongoing clinical research, perceived **facilitators** and **barriers** to their participation in the facilitation research and apply a **behavior framework** towards better ICU care team research engagement.

METHOD

Survey Development



Systematic literature search



Validation & pilot testing



Research experience (n=10)	Capability (n=8)	Opportunity (n=11)	Motivation (n=11)
<ul style="list-style-type: none"> -Formal research training -MSc/PhD -Research course -Presented research -Role in research -Grand rounds, journal club participation 	<ul style="list-style-type: none"> -Ethics -Study info -Confidence -Part of role -Information needs -Support -Patient acuity -Workload 	<ul style="list-style-type: none"> -Administration encourages participation -Rounds -Colleagues engaged -Perceived time -Collaboration with research team 	<ul style="list-style-type: none"> -Perception of value -Seek opportunities -Incentives

5-point Likert scale

ICU Team Recruitment



Data Analysis

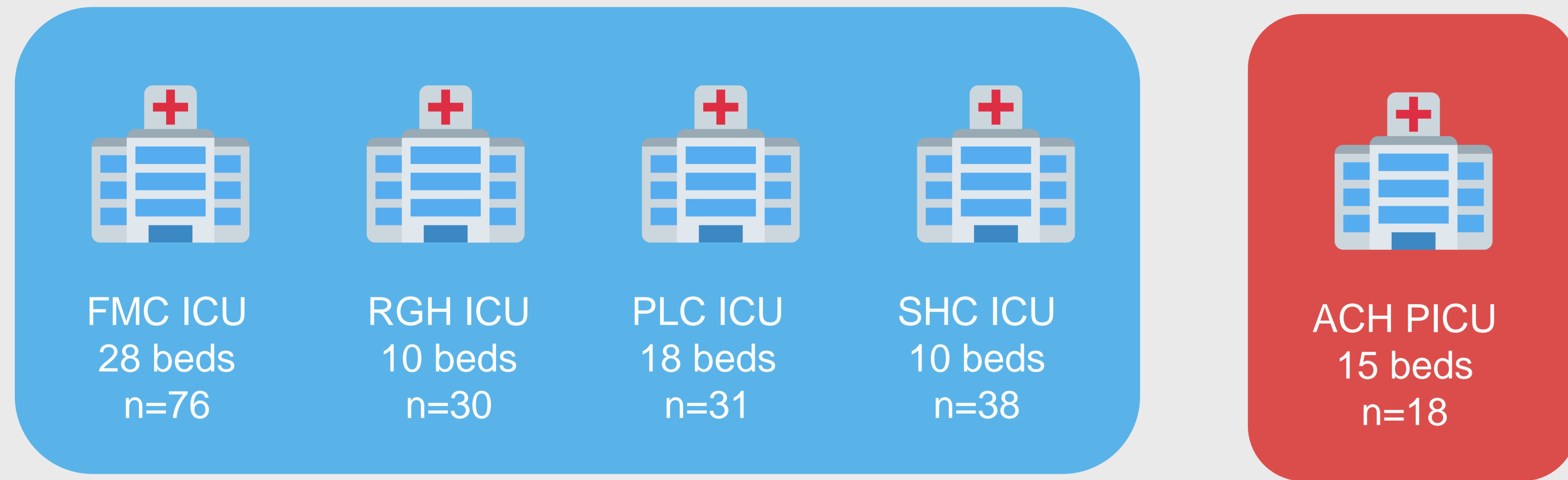
Discipline specific strata

Effect modifiers/confounders:

(1) Prior research experience

(2) Work at hospital where research team offices located

RESULTS



June 2021-
March 2023

172
participants

83%
women

65%
registered
nurses

15%
respiratory
therapists

Figure 1. Participant characteristics.

OPPORTUNITY

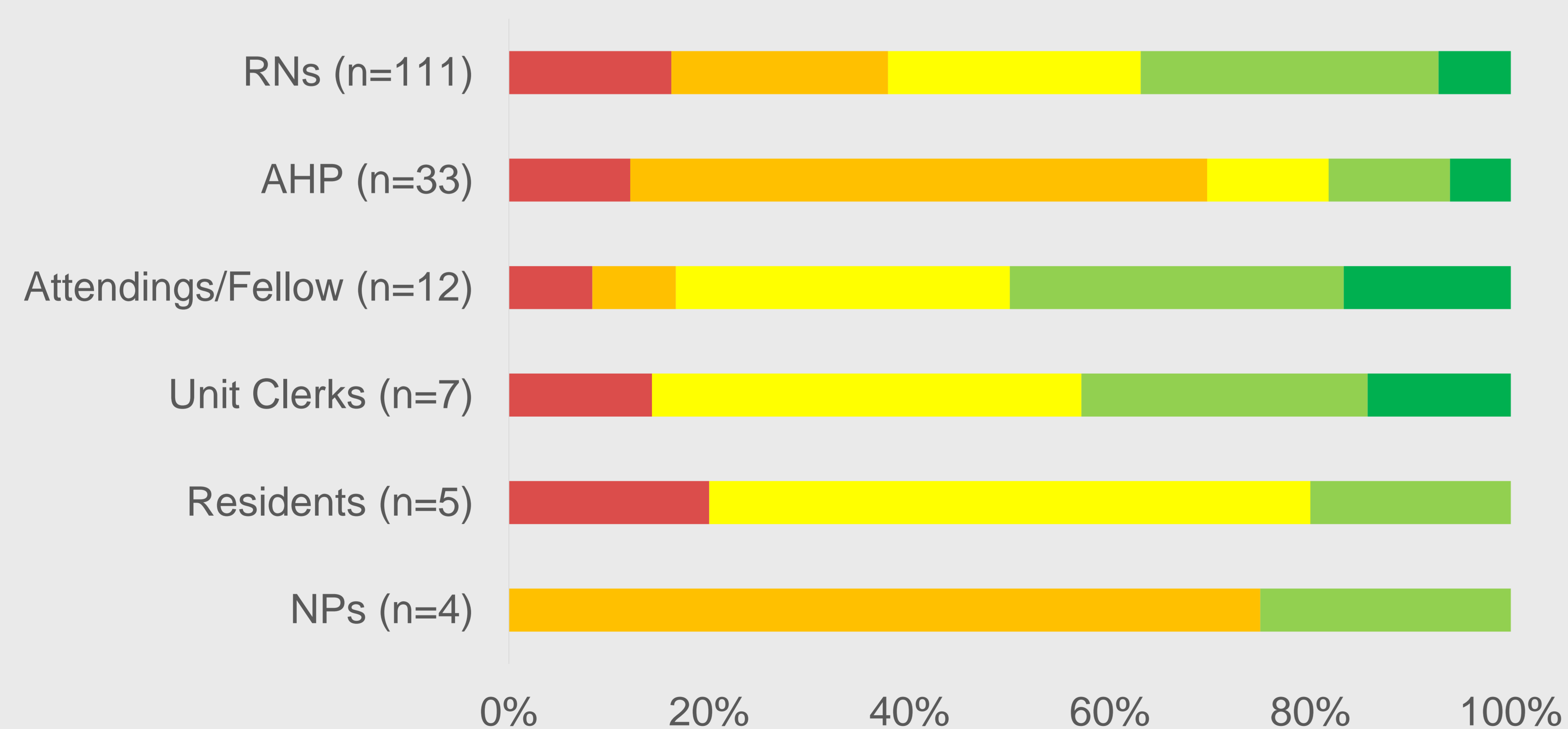


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LEGEND



CAPABILITY

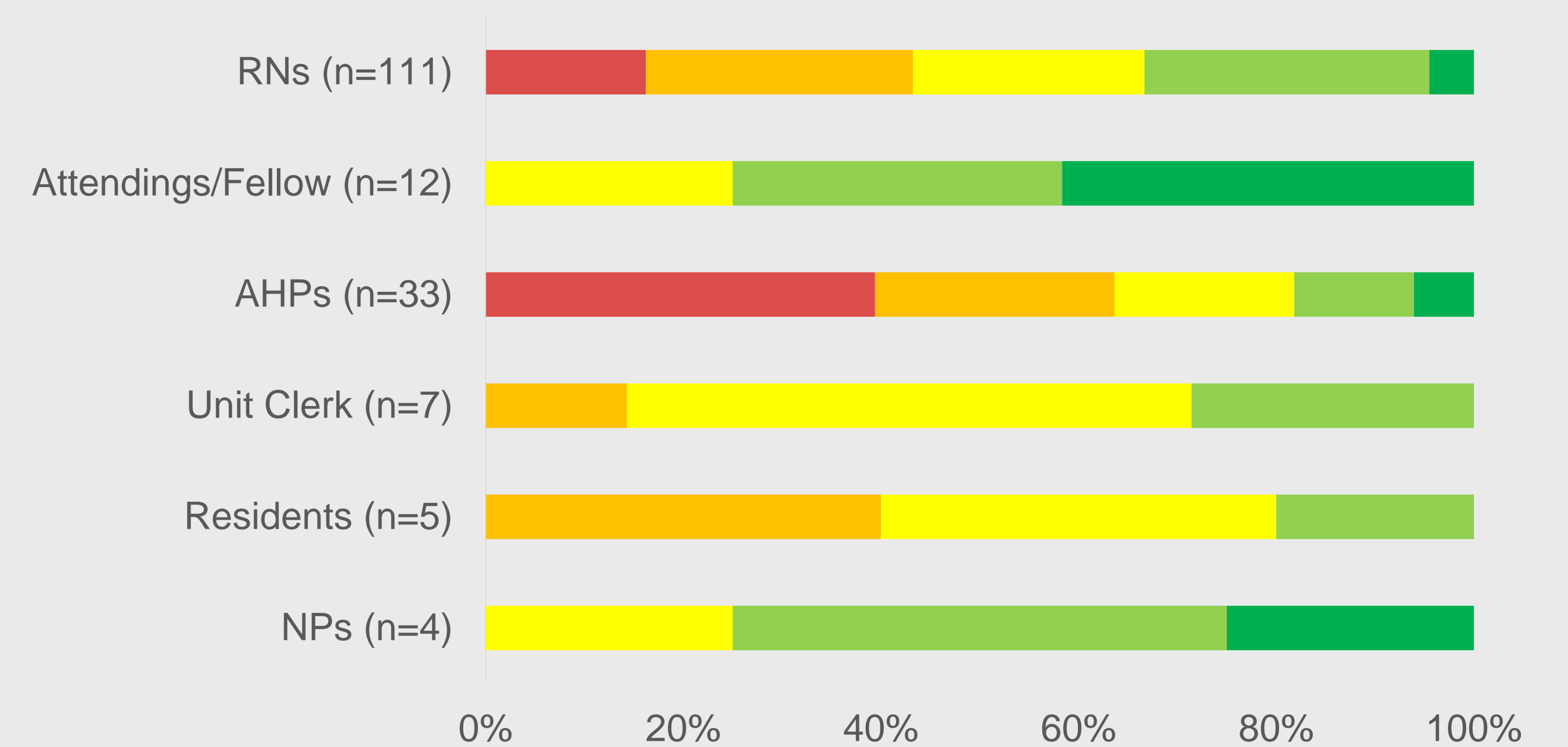


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MOTIVATION

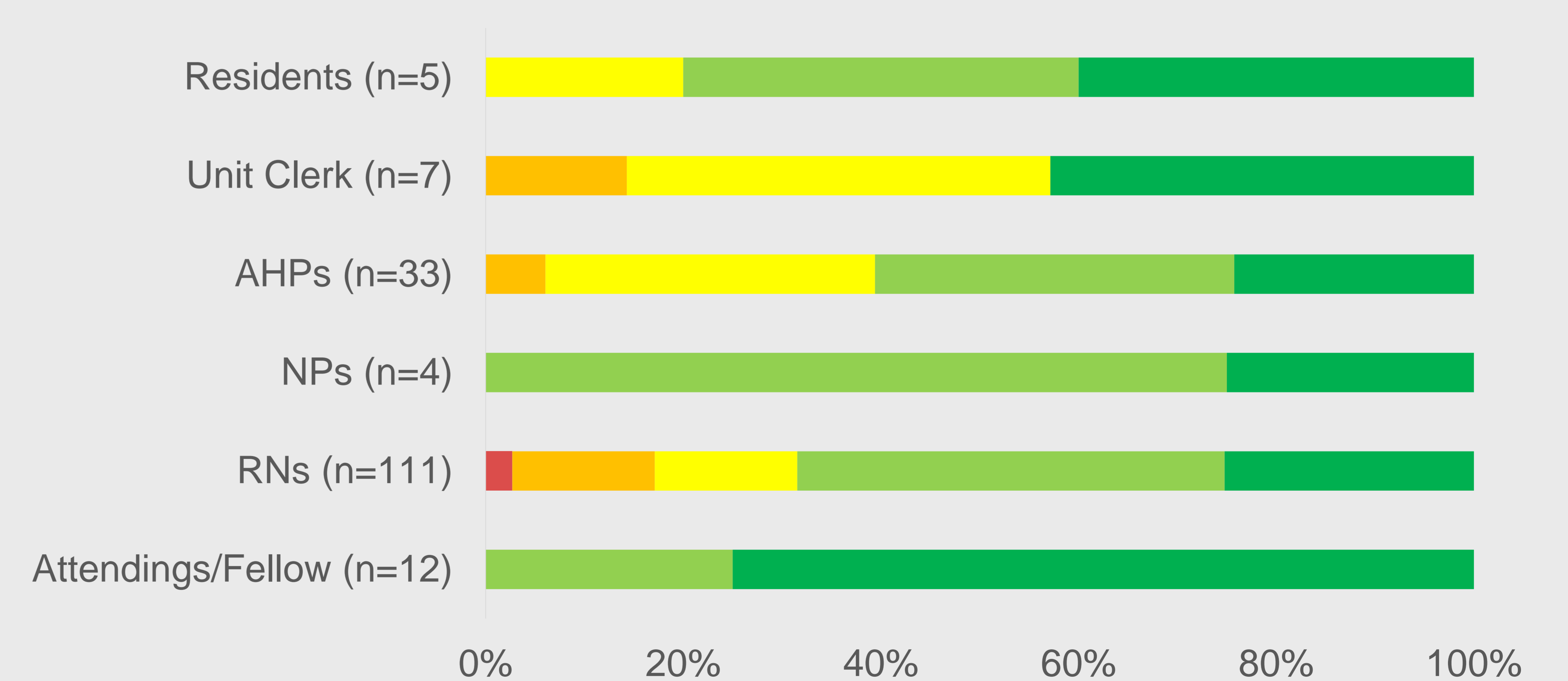


Figure 4. Select results for the Motivation domain. Participants were asked to rate the phrase “If study entry criteria are met, all patients/families in the ICU should be approached for participation in ICU research studies” using a 5-point Likert scale.

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