

Do student pharmacists possess the strengths necessary for success in emergency cardiovascular response?

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BACKGROUND

- Pharmacist participation in emergency response teams results in 12,880 fewer deaths annually
- This signifies the importance of incorporating the pharmacists' role in an emergency response into the PharmD curriculum
- Advanced cardiovascular life support (ACLS) is a fast-paced, high stress, demanding scenario
- Previous research in other health professions has identified personality factors associated with success in high stress disciplines
- Purpose: Identify strengths important for response to cardiovascular emergencies
- Hypothesis: Student pharmacists are frequently equipped with strengths deemed necessary for success in these scenarios

OUTCOMES

Primary Outcome

 Top CliftonStrengths® themes considered important for the pharmacist role in ACLS

Secondary Outcomes

- Top CliftonStrengths® themes considered important for emergency response teams and for team leaders
- Top and bottom CliftonStrengths® themes of PharmD students

STUDY DESIGN

- PART I: cross-sectional electronic survey of pharmacists with potential role in ACLS
- <u>Cohort Surveyed</u>: ACCP Adult Medicine,
 Cardiology, Critical Care, Emergency Medicine,
 and Pediatrics Practice and Research Networks
- Survey: 19 questions assessing demographics, experience with ACLS, and perceptions of CliftonStrengths® themes important for ACLS
- Compensation: \$5 electronic gift card offered
- PART II: retrospective cohort study
- Cohort: Class of 2019 PharmD students
- Descriptive statistics were used for all outcomes

RESULTS

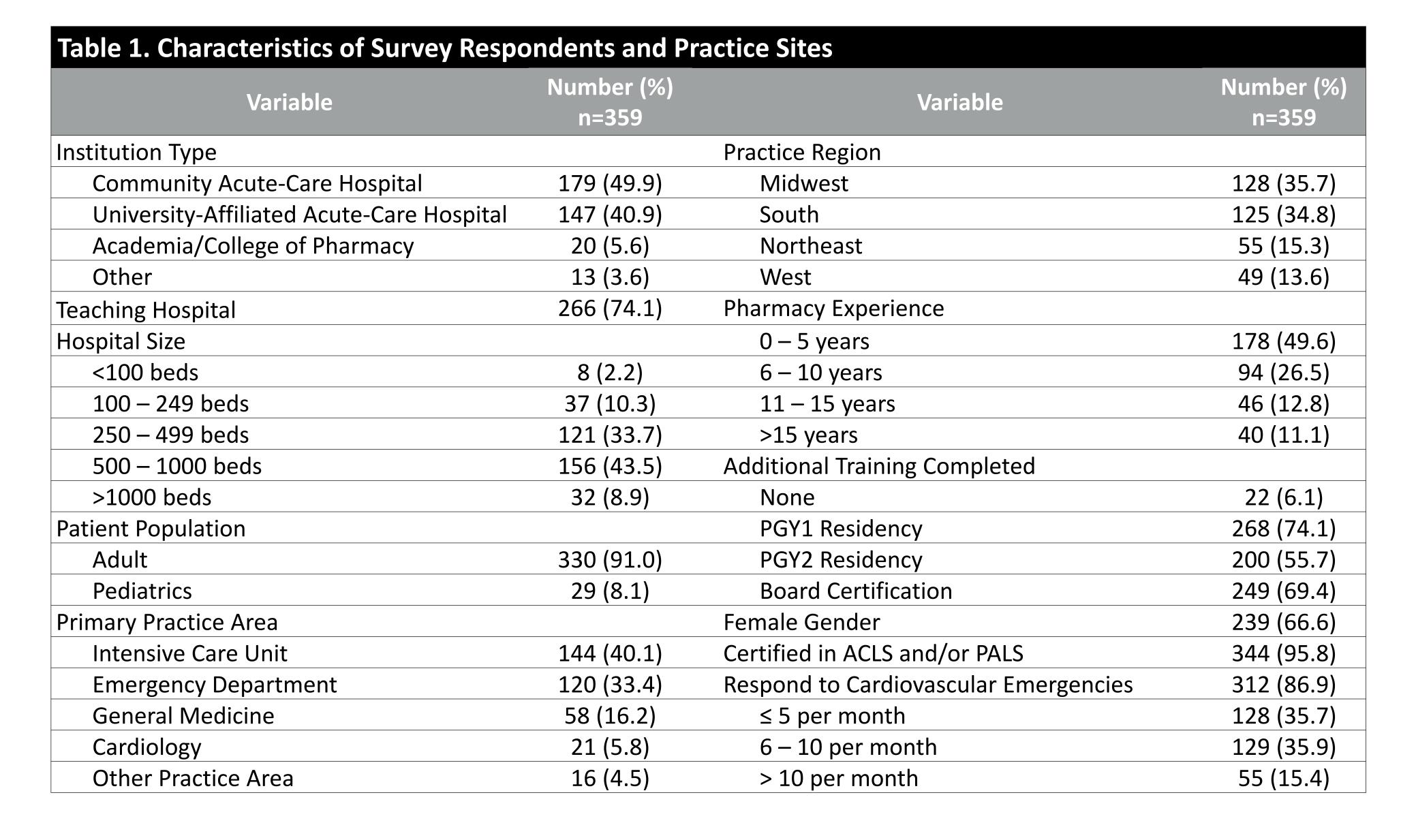


Figure 1. Top CliftonStrengths® Themes for Emergency Response (n=359)

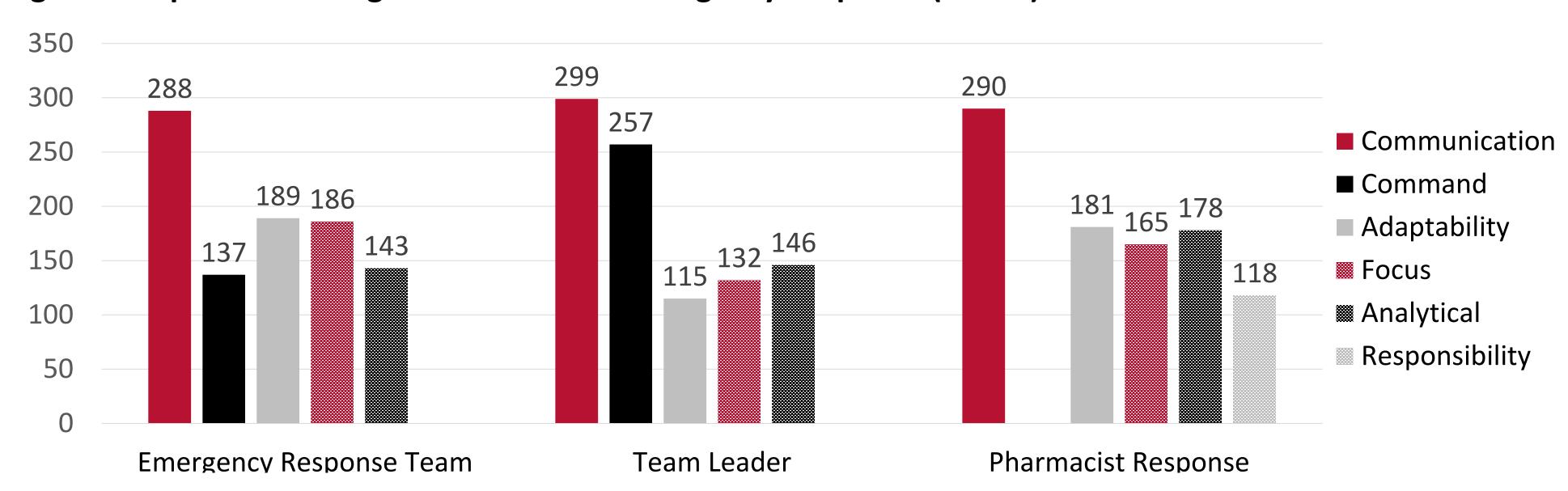
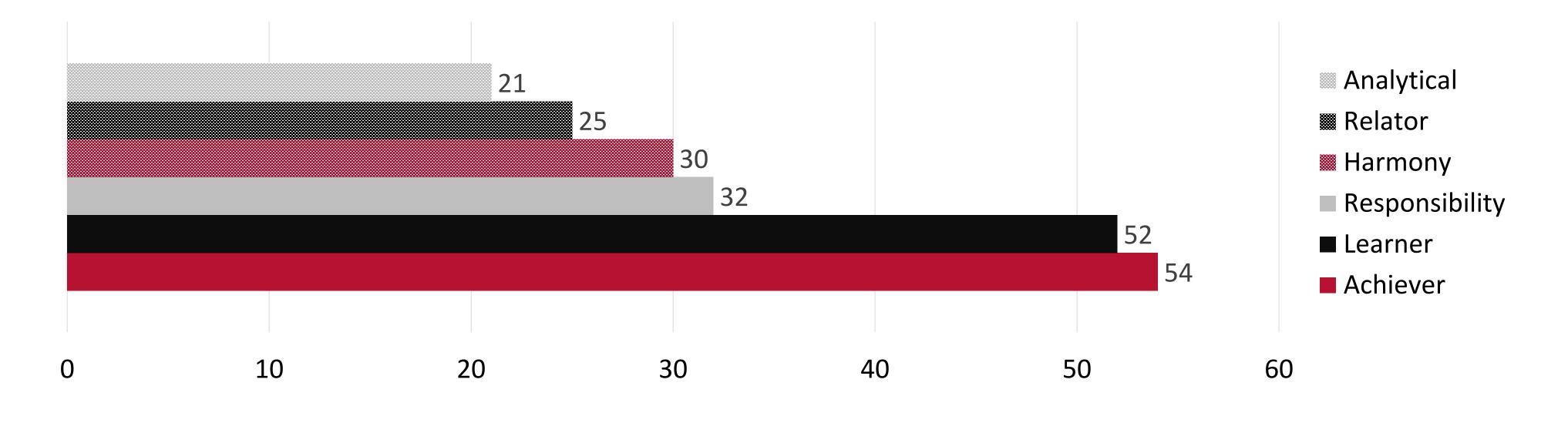


Figure 2. Top CliftonStrengths® Themes Possessed by Survey Respondents (n=104)



RESULTS CONTINUED

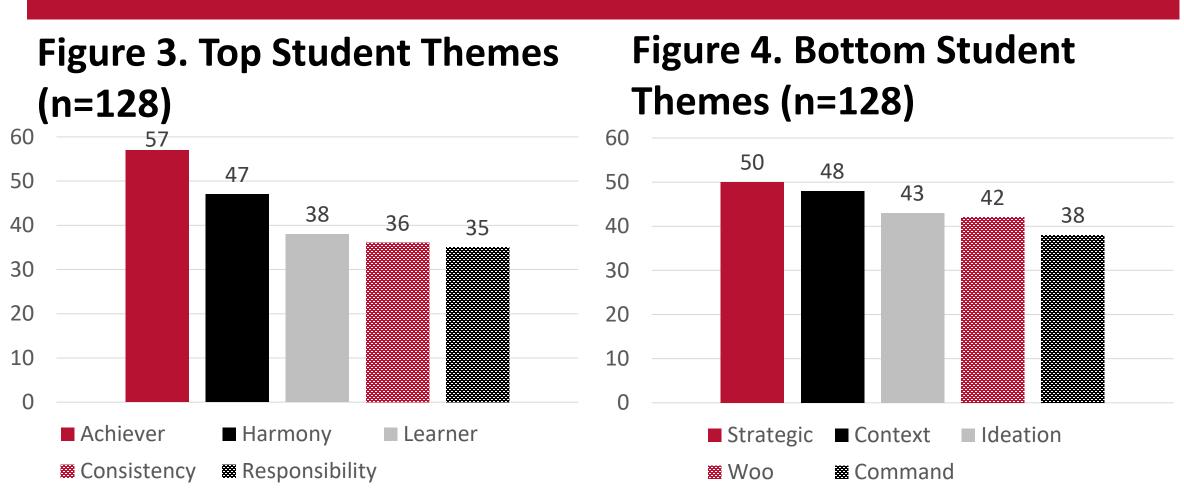


Figure 5. Comparison of Student Themes to Emergency Response Themes (n=128)

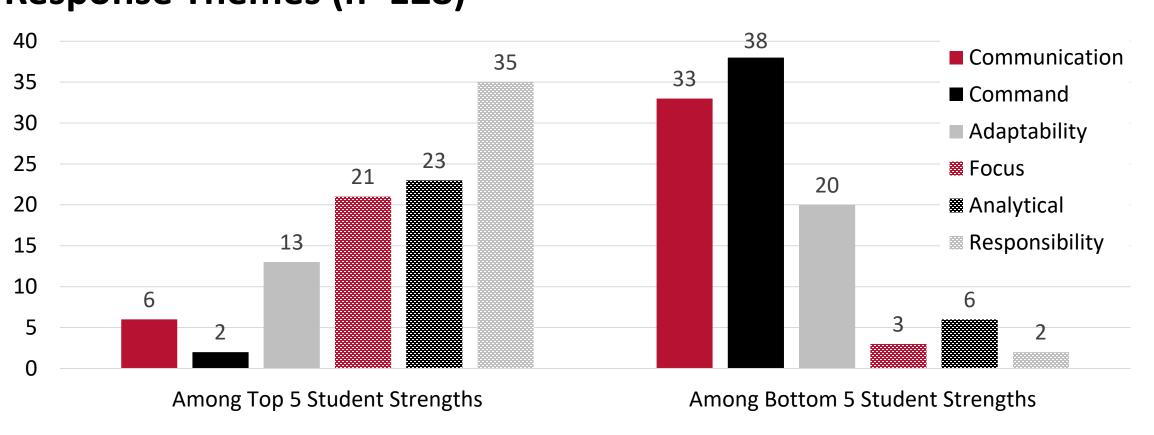
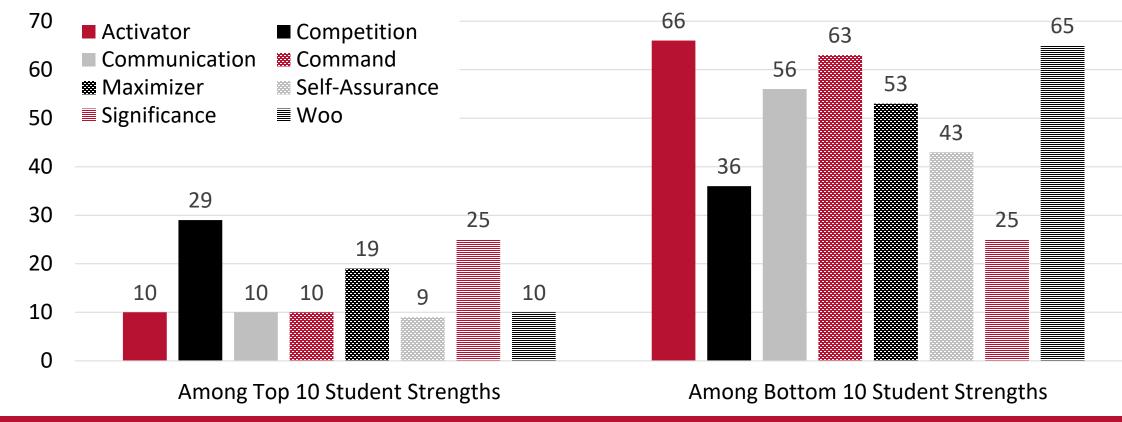


Figure 6. Student Themes in the Influencing Domain (n=128)



CONCLUSIONS

- PharmD students and practicing pharmacists possess few of the strengths that clinical pharmacists consider important for emergency cardiovascular response
- The "Influencing" domain appears to be important to emergency response, but is common among the bottom strengths of PharmD students
- Future research should investigate methods of teaching ACLS to PharmD students in ways that support their strengths and acknowledge their less developed themes

REFERENCES

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