

# Impact of a Brief Health Literacy-Focused Communication Curriculum on Pre-Clinical Medical Student Communication Skills



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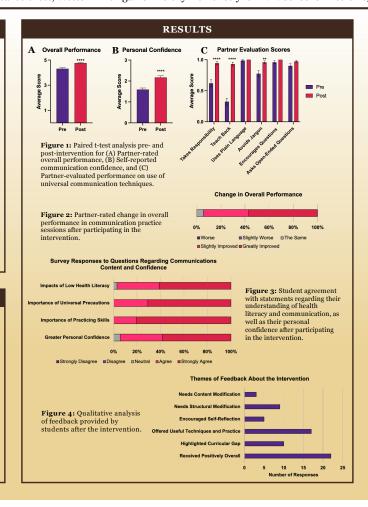
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#### INTRODUCTION

- · Over 1/3 of U.S. adults have basic or below basic health literacy1
- · Effects of limited health literacy
  - · Difficulty navigating the U.S. healthcare system<sup>2</sup>
  - · Worse health outcomes3
  - · Increased health disparities4
- · Impacts of health literacy-specific interventions show inconsistent benefit<sup>5</sup>
- · Clear communication by providers has demonstrated patient care benefit
- · Universal communication techniques
  - · Plain language
  - · Confirm patient understanding through "teach-back"
  - · Encouraging questions from patients
- Prior health literacy-focused communications curriculum for internal medicine residents increased understanding and use of targeted communication skills in patient encounters<sup>6</sup>
  - · Similar education is not common during pre-clinical training
- Implementation of a health literacy-focused communication curriculum may improve students' patient-centered communication skills in medical school and beyond

### **METHODS**

- · Curricular workshop
  - Initial peer communication practice sessions, evaluated by partner  $\,$ 
    - · Students tasked with explaining a specific diagnosis to their partner
  - Intervention regarding health literacy and communication skills, including group practice
  - · Second round of peer communication practice
- · Survey responses after both peer-led practice sessions
  - Both pre- and post-intervention surveys: rubric evaluation and written feedback of peer, self evaluation (confidence, challenges)
  - Post-intervention survey: event feedback; 5-point Likert scale on understanding of health literacy, perceived event importance
- Quantitative and qualitative analysis of survey responses for evaluation of intervention effectiveness and student satisfaction



## CONCLUSION

- · Effects of this intervention:
  - · Improved pre-clinical patient-centered communication skills
  - · Increased self-reported confidence
  - Highlighted a need for increased hands-on education relating to health literacy-focused communication
- Integration of health literacy-focused communication training is valuable, practical, and well-received by students
- Limitation: Long-term effects of the intervention were not assessed with this study design
- Future research should focus on evaluation of long-term impacts of the intervention as they relate to:
  - · Health literacy knowledge
  - · Use of universal communication skills
  - Attitudes toward the intervention and its importance through medical school, residency, and beyond
- This intervention's success at WMed should encourage others to introduce these concepts earlier and more frequently during medical training

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