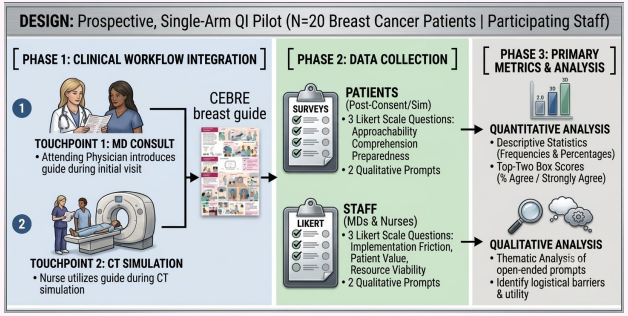
Evaluating the Feasibility and Clinical Utility of a Graphic Narrative Education Guide (CEBRE) in Breast Radiotherapy: A Quality Improvement Pilot

Julie Resnick, BS[1]; Honor Passow, PhD[1,3]; Daniel Golden, MD, MHPE[4]; Tomoko Ichikawa, MS[5]; Lesley Jarvis, MD, PhD[1,2],and Katie Lichter, MD, MPH[1,2,3]
[1]Geisel School of Medicine at Dartmouth, [2]Department of Radiation Oncology and Applied Sciences, Dartmouth Health, [3]The Dartmouth Institute for Health Policy and Clinical Practice, [4]Department of Radiation Oncology, Rush University Medical Center, [5]Institute of Design, Illinois Institute of Technology

Introduction

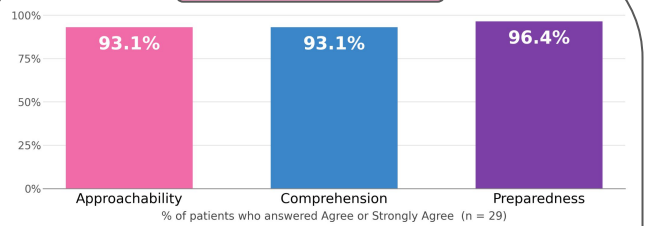
Standard radiation education is text-heavy and overwhelming. Though visual aids improve comprehension, they are rarely used. We piloted an existing tool, **Communicating the External Beam Radiotherapy Experience (CEBRE),** an image-rich radiotherapy discussion guide in Dartmouth's breast radiation clinics.

Methods



The guide makes it easier for patients to engage with, understand, and feel prepared for their breast radiation treatment without increasing administrative burden on care teams.

Patient Results



Clinical Staff Results



Suggested Changes

- Get rid of prone position image
- Specify arms-up duration during treatment
- Integrate into After Visit Summary
- Tattoo site for breast is single area

Conclusion

KEY FINDINGS

- **Improved Readiness** - "Visuals are helpful. Seeing/hearing the same info in different ways helps me understand and feel more comfortable."
- **Zero Workflow Friction** - Nurse-led distribution at the time of radiation planning optimizes workflow without adding to appointment times.

NEXT STEPS

- **Adopt CEBRE** for nursing breast education
- **Consider graphic narrative guides for other treatment areas** *(e.g., head & neck, prostate, cervix, etc.)*

Acknowledgements

We thank the TOPS program, the Department of Radiation Oncology and Applied Sciences (including the clinical nursing staff and leadership), and the Dartmouth Cancer Center for their support.