Using a Delphi Panel to Establish Content for a Breast Cancer Screening Decision Aid Inclusive of Women with Limited Health Literacy

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BACKGROUND

- Breast cancer screening **decision aids (DAs)** that help women understand their risk for cancer and available screening options can improve decision-making quality for women in their 40s
- Existing DAs do not address the needs of women with limited health literacy (LHL)

OBJECTIVE

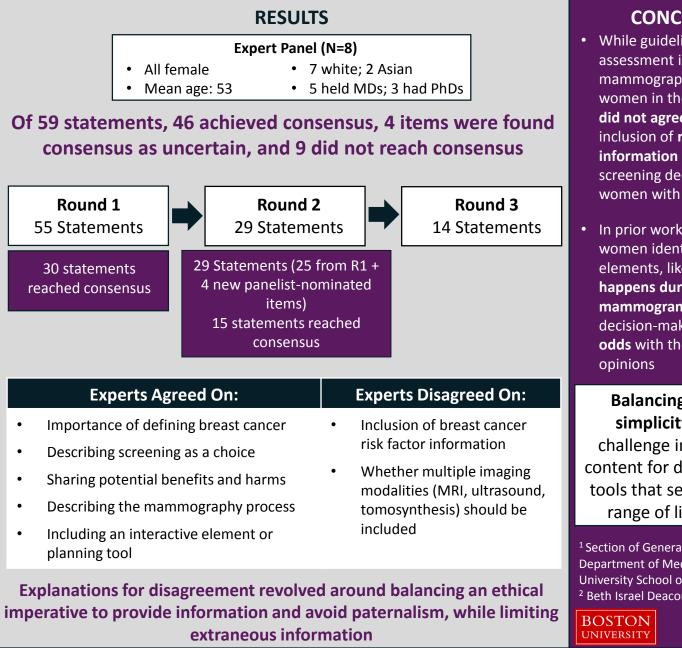
To establish consensus about breast cancer screening decision aid content for women ages 40-54 who have LHL among a panel of breast cancer screening and decision science experts

METHODS

- 3-round, modified Delphi panel administered via online May July 2020
- Eligibility criteria: advanced degree, 3+ years of experience, and content expertise
- Statements covered domains associated with International Patient Decision Aid Standards
- Panelists rated importance of statements on a scale of 1-9, and provided comments explaining ratings

ANALYSIS

- 30th 70th percentile range, central point, and asymmetry index were calculated for each item
- Disagreement Index: value >1: item moved to the next round; value < 1: consensus was established and item omitted from future rounds
- Between rounds, experts received a summary of their rating for each item relative to others and all open-ended explanations
- Process was repeated for Rounds 2 and 3



CONCLUSIONS

- While guidelines suggest risk assessment is key to mammography decisions for women in their 40s, experts
 did not agree about the inclusion of risk factor
 information in a breast cancer screening decision aid for women with LHL
- In prior work, we found that women identified other elements, like knowing what happens during a mammogram, as central to decision-making, which was at odds with these expert opinions

Balancing detail with simplicity remains a challenge in determining content for decision support tools that seek to include a range of literacy levels

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