Development of a Novel Health Equity Mammography Collaborative in the ACR Learning Network

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Purpose

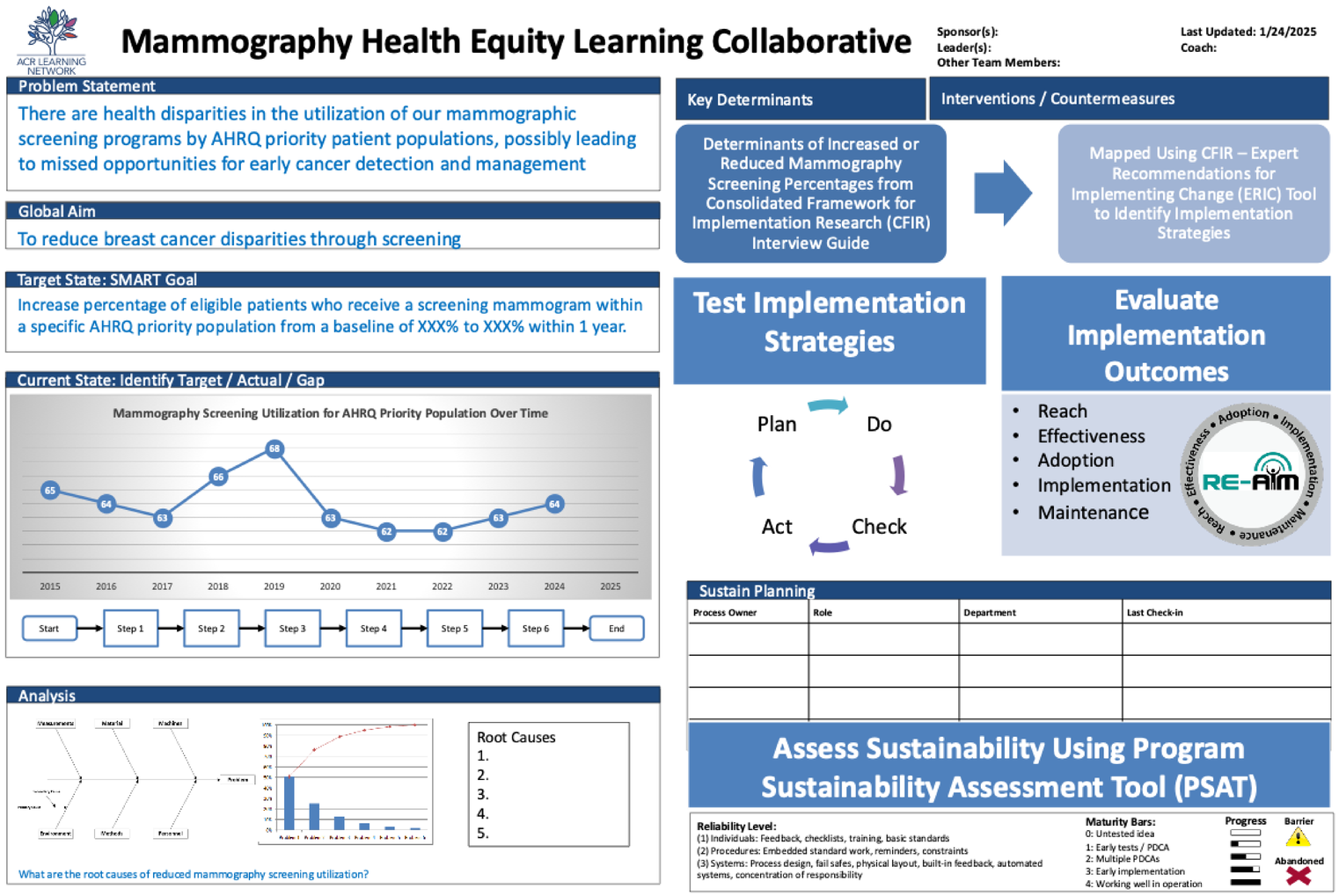
- Recent modeling studies suggest that increasing mammography screening utilization reduces breast cancer disparities.
- Integrating implementation science and quality improvement provides radiology researchers with reproducible, pragmatic methods to accelerate implementation.
- Few studies have integrated implementation science and quality improvement(QI) to reduce disparities.
- Our purpose was to describe the integration of QI and implementation science methods to develop the Mammography Health Equity Improvement Collaborative to increase mammography screening percentages among underserved populations.

Methods & Materials

- ACR Learning Network utilizes collaborative QI tools to identify problems, develop solutions, and document progress.
- To integrate implementation science and QI frameworks, the Healthcare Institute for Innovations in Quality at UMKC's QIPI A3 template was integrated within the ACR A3 template.
- Collaborative participants were recruited from existing Learning Network and Radiology Health Equity Coalition participants.
- Participants included AHRQ priority populations:
- IRB approval was not required for QI initiatives.

Results

68 participants (26 states) expressed interest in Collaborative participation, focused on Black(20), Hispanic(12), Low-income(15), Rural(4), Elderly(1), Disabilities(2), Asian(2), AI/AN(3) women. Adapted A3 template included equity focused SMART goals(**Figure 1**). Adapted current state includes evaluation of screening utilization over time and modified fishbone diagram using CFIR implementation science determinants framework. Identified root causes will be mapped to implementation strategies using the CFIR–ERIC mapping tool. Tested strategies will be evaluated using RE-AIM implementation outcomes framework. Program sustainability will be assessed using Program Sustainability Assessment Tool(PSAT).



AHRQ Priority Populations

- Low income
- Disabled
- Rural
- Racial and ethnic minority groups

Conclusion

By providing a shared platform for improvement training and dissemination of evidence-based interventions, the Mammography Health Equity Improvement Collaborative provides an opportunity for radiology practices to reduce breast cancer disparities.

Acknowledgements

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