

# Implementing PROMs into routine breast cancer care.

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## BACKGROUND

- Patient-reported outcome measures (PROMs) are tools that enable the patients’ voice and have been recognized as an important mechanism for improving care for breast cancer patients
- There is a need for advancements in Health Information Technology (HIT) to enable collection and reporting of PROM data
- imPROVE, a HIT platform, was recently developed by our team to address this need, and includes a:
  - Patient mobile application to collect and report PROM data and provide health resources and links to breast cancer communities (**Figure 1**)
  - Clinician dashboard with graphic displays and actionable insights about individual patient PROM data (**Figure 2**)

## METHODS

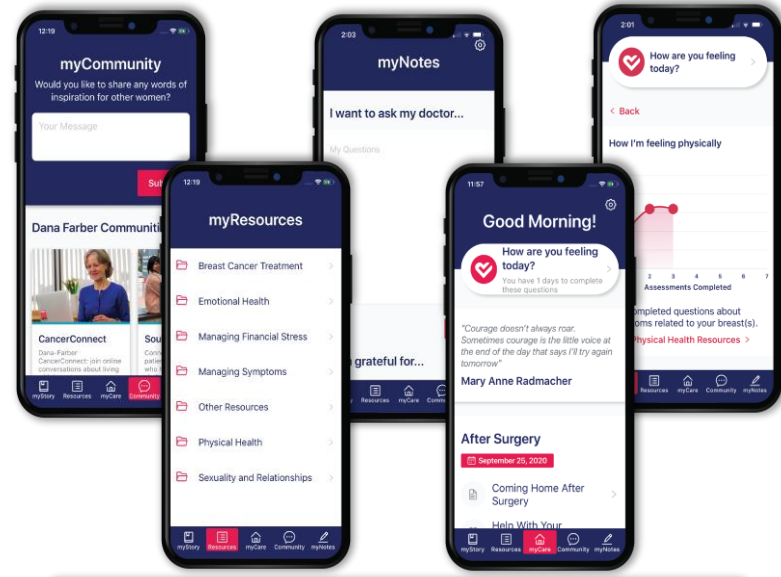
- In June 2021, the imPROVE platform launched as a Quality Improvement initiative with the Dana-Farber’s Breast Oncology Program and the Brigham and Women’s Division of Plastic and Reconstructive Surgery
- Eligible patients have a current or past history of breast surgery for a breast cancer diagnosis or prophylaxis
- An iterative, Plan-Do-Study-Act (PDSA), implementation approach is being employed (**Figure 3**)

## RESULTS

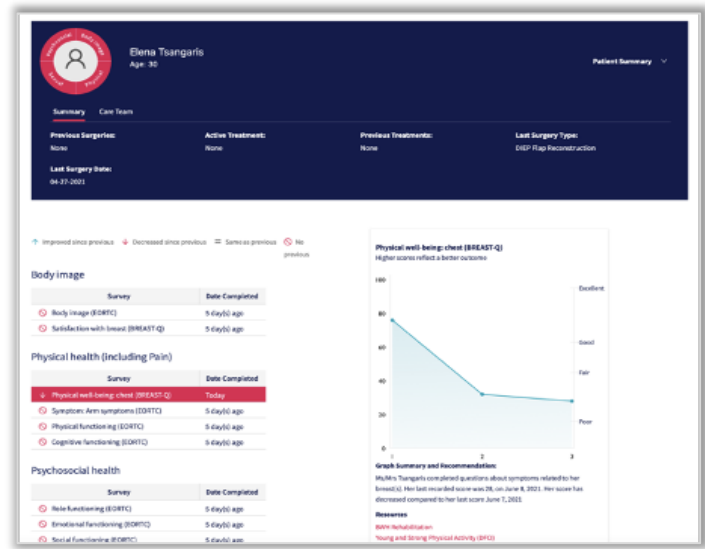
- imPROVE has been implemented across **4** clinic sites with **24** clinicians (12 surgeons, 10 Physician assistants, 2 nurse practitioners)
  - **>1,100** patients have been enrolled
  - **>600** PROMs have been collected

## NEXT STEPS

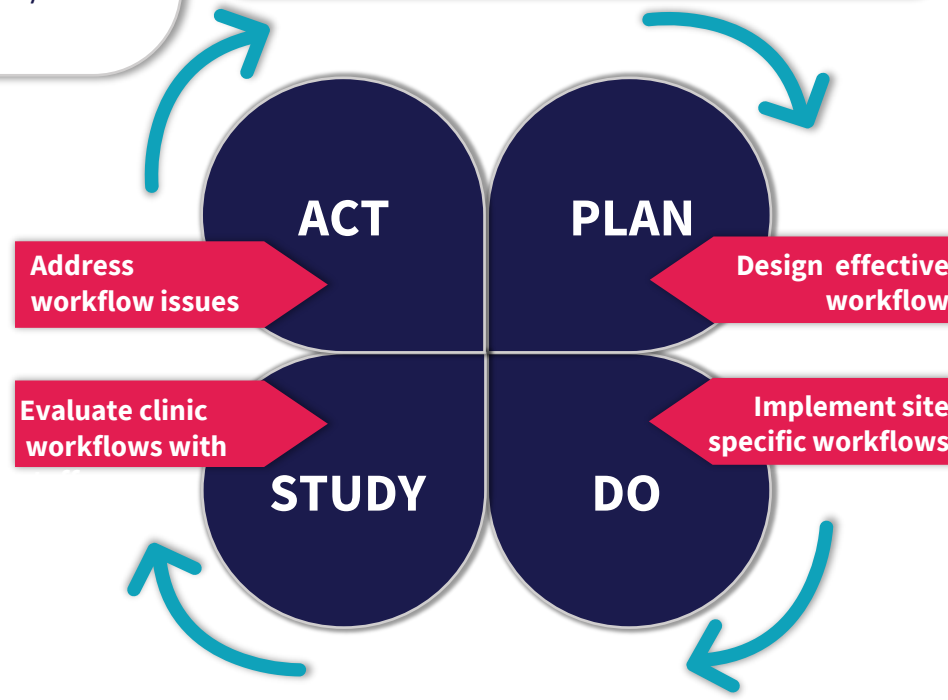
- We will continue to refine our implementation approach through the PDSA cycles to improve and maintain the uptake of imPROVE.



**Figure 1:** Snapshots of the patient mobile application



**Figure 2:** Snapshot of the clinician dashboard



**Figure 3:** PDSA implementation process cycle