Increasing Mammogram Screening by Increasing Reminders by Providers and Staff

BECU HEALTH



BACKGROUND

• Breast cancer is the second leading cause of cancer deaths for women in North Carolina (NC) with a mortality rate of 20.1/100,000 and 22.3/100,000 in eastern NC (ENC).

• ENC has a lower incidence rate of breast cancer possibly due to lack of screening.

 Mammogram completion goal for the Accountable Care Organization (ACO) Coastal Plains Network is 90%.

 Mammogram rate of Pirate module at ECU Family Medicine Center (FMC) was at 83.3% in August 2022 (baseline).

PROJECT AIM

- Global aim: Improve the mortality rate from breast cancer in women in ENC.
- Specific aim: Increase mammogram completion by patients seen on ECU FMC pirate module from 83.3% to 90% from August to December 2022.

PROJECT DESIGN/STRATEGY

Setting: Pirate module at ECU FMC

Team: Residents, faculty, nursing, Quality and PAS staff, referral coordinators

Population: Female patients between the ages of 40-75 years old

Time frame: August 2022 to December 2022

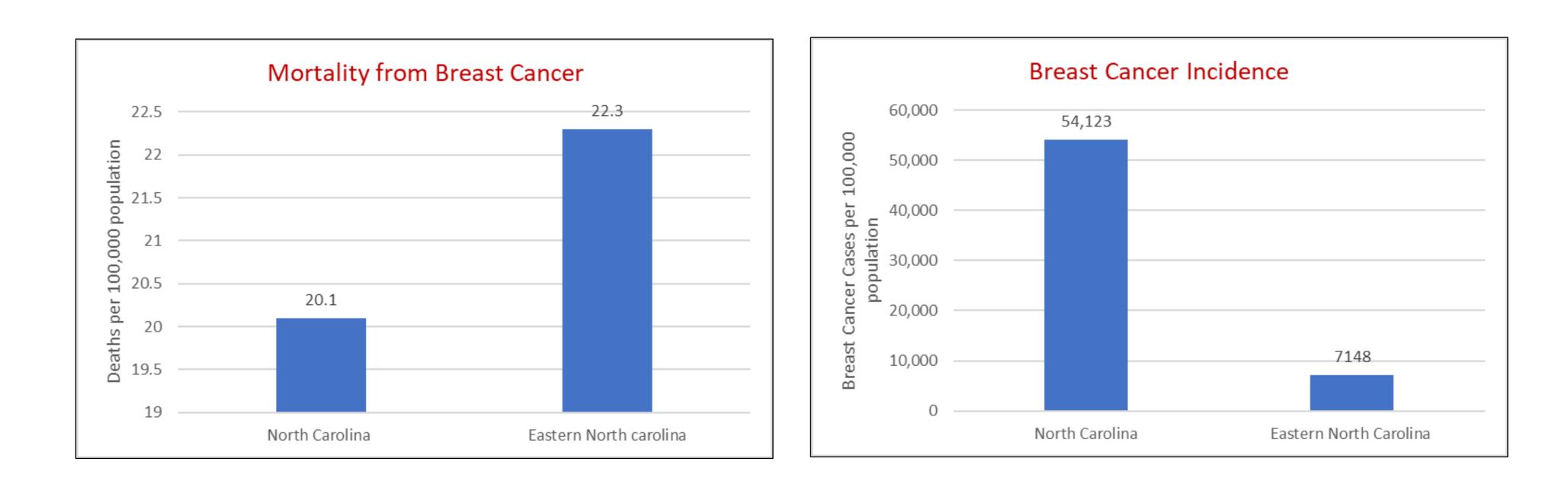
Intervention: Four Plan-Do-Study-Act (PDSA) cycles

Data Source: ECU Physicians Quality staff & EPIC

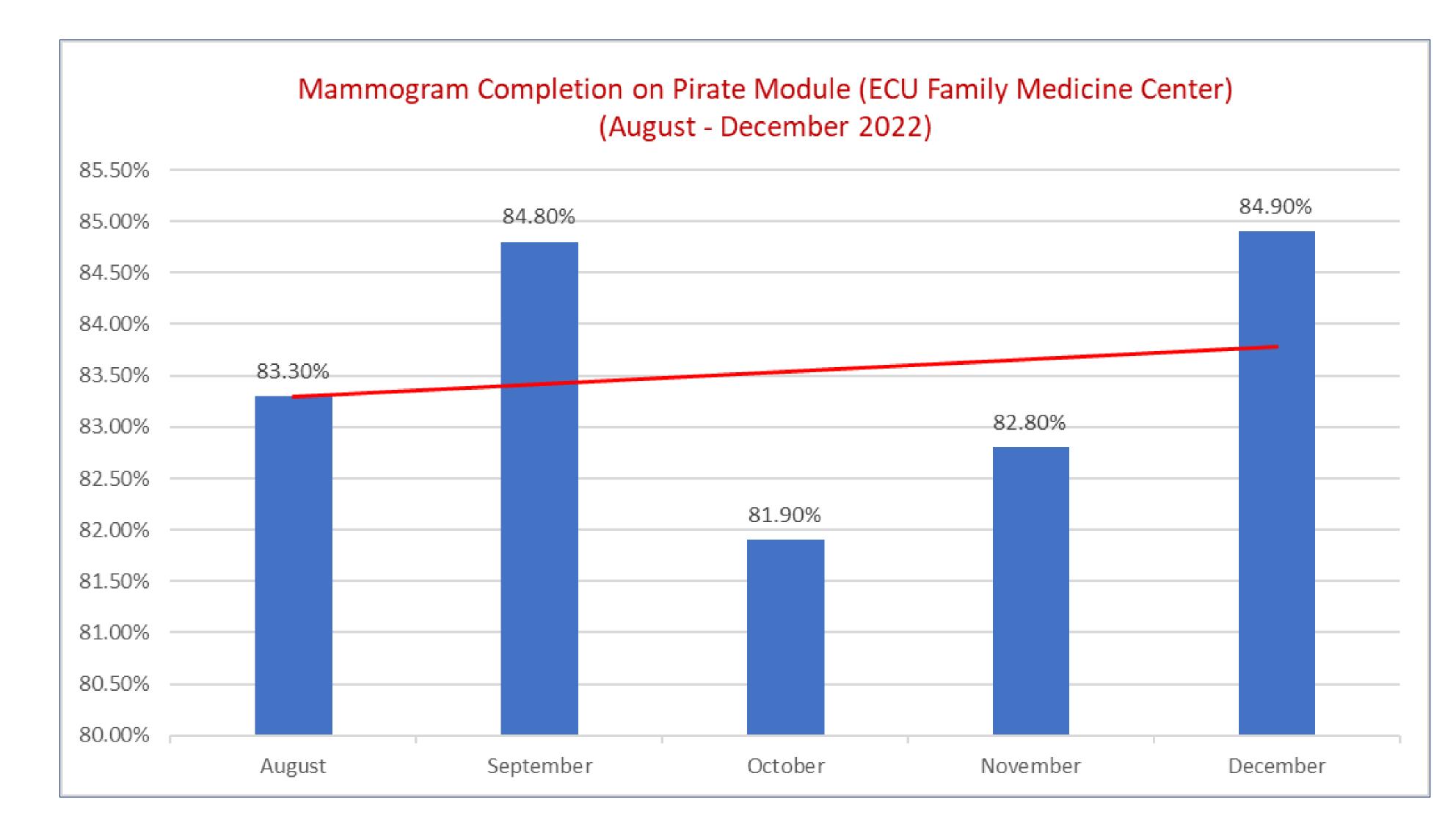
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CHANGES MADE (PDSA CYCLES)

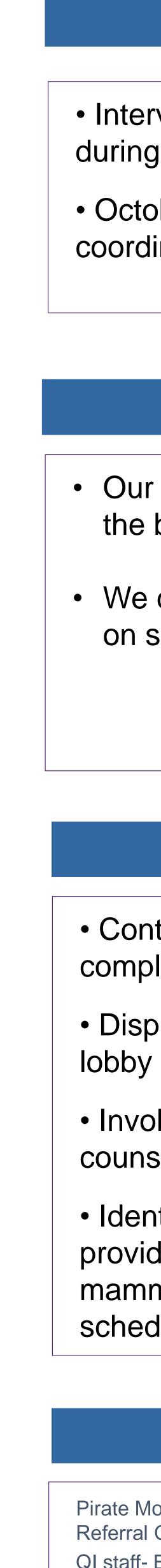
- 1. September 2022: Increase provider awareness to increase referrals Have providers check mammogram status during all visit types
- 2. October 2022: Distribute brochures to patients that contain self-referral information Use other means for patients to obtain mammogram appointments
- 3. November 2022: Module nurse manager sent letters to patients who missed appointments Letters contained information on self-referral
- 4. December 2022: Display flyers that show free resources for patients with financial constraints Call 919-707-5300 or visit https://bcccp.dph.ncdhhs.gov/Eligibility.asp



RESULTS



Educate how to place a referral (referral order in EPIC was recently changed)



DISCUSSION

 Interventions improved completion except during October

 October decrease possibly due to a referral coordinator out on leave

LIMITATIONS

• Our screening numbers are based only on the billing attending (not the residents)

• We did not obtain number of cancers found on screening during the project timeline

NEXT STEPS

 Continuing asking about mammogram completion at each visit

 Display both brochure and flyers in waiting lobby and exam rooms

 Involve social worker and financial counselor for patients with limited resources

 Identify/target interventions towards specific providers with patients needing mammograms (missed visits, no visits scheduled for that month)

ACKNOWLEDGEMENTS

Pirate Module Providers, Nursing, and PAS staff, and ECU FMC **Referral Coordinators**

QI staff- Brittany Nicholson, MSN, RN, Drillious Gay, MSN, RN, Jennifer Thompson-Memory, MS HIIM

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