If we build it, they will come: A healthcare system's approach to improve identification of at-risk individuals, increase genetic counseling referrals, and build patient management using a digital tool and EMR TriHealth <u>Chelsea Menke, MS, CGC¹, Courtney Rice, MS, CGC¹, Heather Fecteau, MS², Haley Keller, MS², Shannon Kiernan, MS²</u>

Precision Medicine

Abstract

- National guidelines recommend universal cancer risk screening to determine appropriateness of genetic testing and breast MRI
- There is widespread under-identification of individuals at increased risk of developing cancer due to multiple factors, including:
 - Gathering family history (patient knowledge and clinical workflow barriers)
 - Time constraints (healthcare system barrier)
 - Complex genetic testing criteria (provider knowledge barrier)
- TriHealth's approach to address these limitations:
 - Engaged with Women's Service Line leadership to support a system-wide implementation of the CARE PlatformTM, a digital, HIPAA-compliant, patient-facing tool, to standardize screening protocol
 - Patients ages 21-65 being seen for an annual gyn visit are invited to complete the survey electronically prior to their appointment, addressing time constraints
 - EMR integration of risk score and clinical decision support addresses knowledge and systemic barriers

We show that a digital, integrated cancer risk assessment tool betters identifies high-risk patients and leads to increased referrals and better access to cancer prevention services

Methods

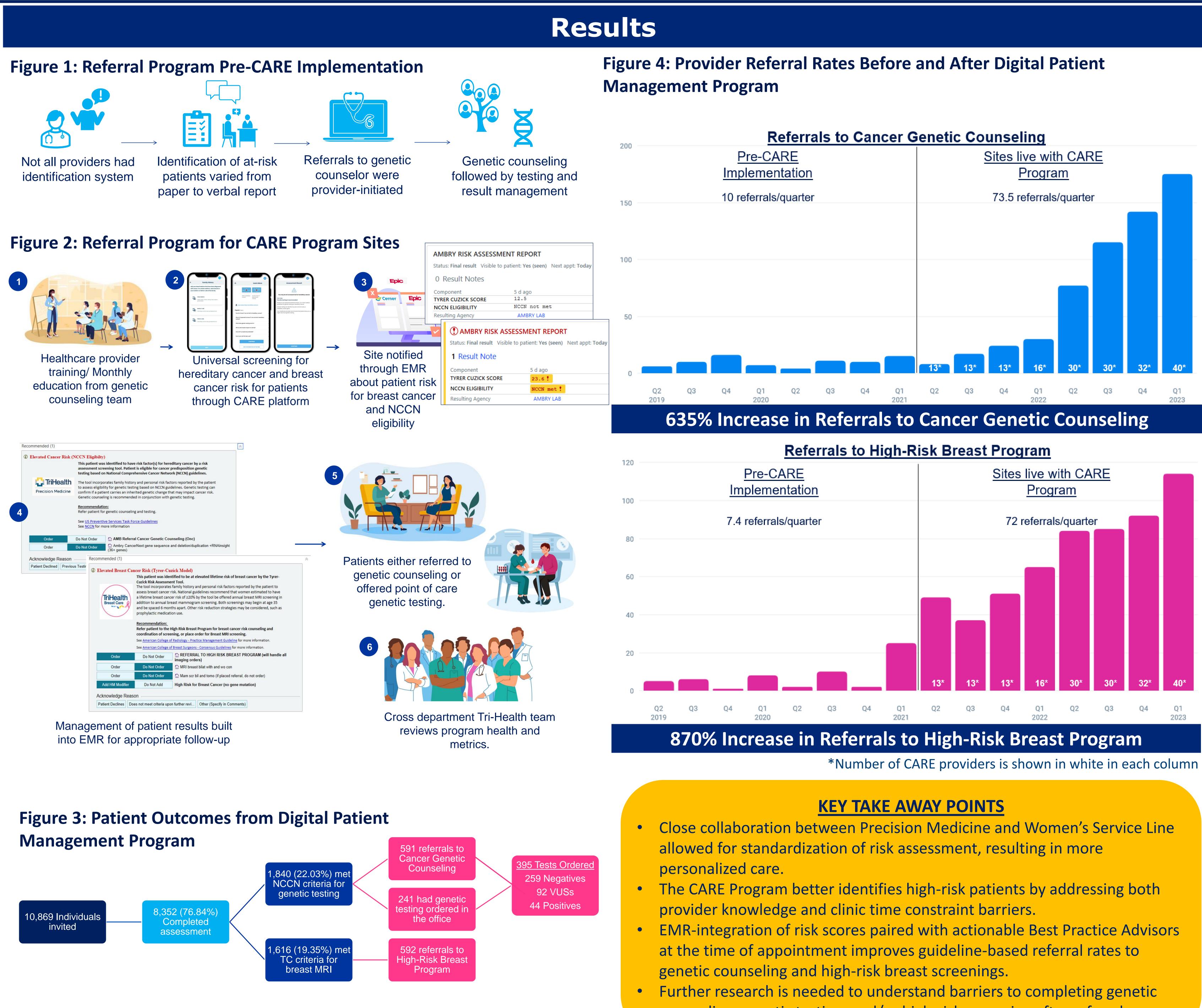
- Prior to appointment, eligible patients invited to webbased platform
- Personal and family history assessed by Tyrer-Cuzick risk algorithm (v8.0)
- Personal and family history reviewed for genetic testing criteria based on published HBOC, Lynch, and FAP guidelines (NCCN)
- Reviewed data from April 2021 to March 2023 from completed assessments
- Reported outcomes for risk stratifications and resulting referrals by ObGyn provider
- Compared referral numbers to those prior to CARE Program implementation
- Approved through TriHealth IRB, #23-067

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counseling, genetic testing, and/or high-risk screening after referral.