Expanding Access to Genetic Counseling and Testing During a Global Pandemic Using Virtual Tools

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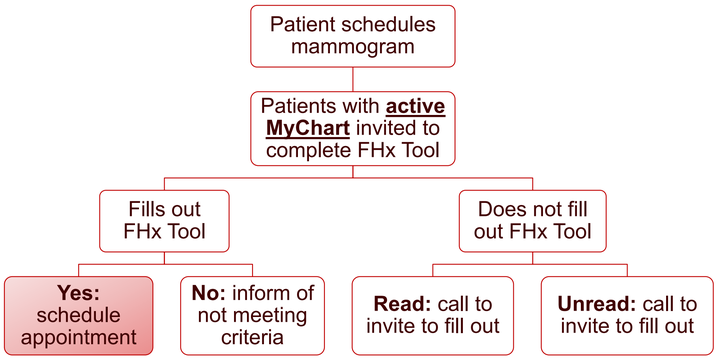
OBJECTIVE

- Expand awareness and increase access to genetic counseling and testing during a global pandemic
- Investigate discrepancies between FHx in EPIC and self-reported FHx

BACKGROUND

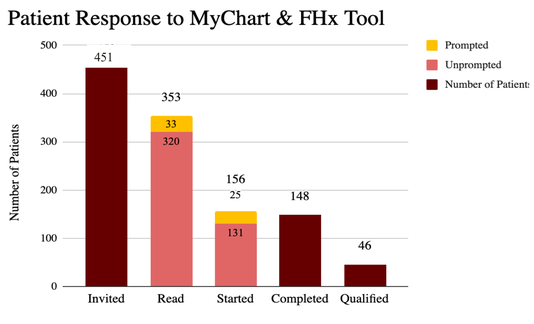
- Surgeons and PCP's refer patients to genetic counselors only if there is a significant family history
- Patients face many barriers when trying to access preventive care
- The lifetime risk of breast and ovarian cancer in mutation carriers is greatly increased

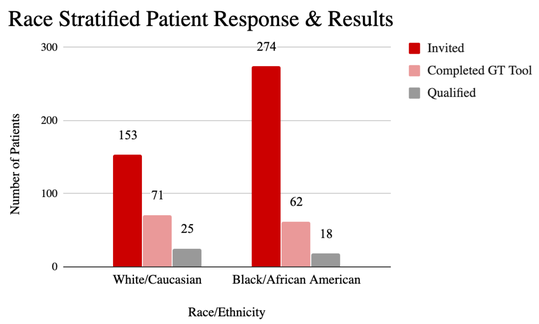
METHODS

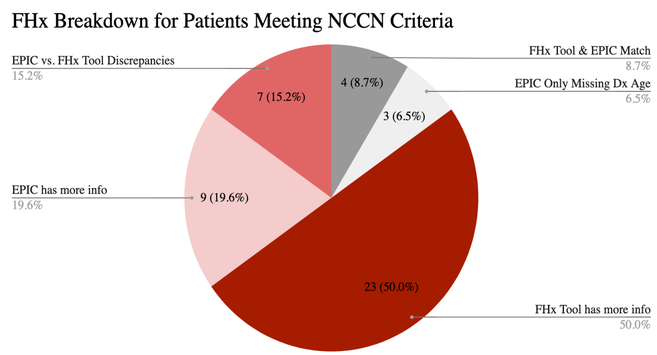


- This project was formally determined to be quality improvement (QI), not human subjects research, and was therefore not overseen by the IRB, per institutional policy

RESULTS







Race/Ethnicity	All Mammograms	Active MyChart	Completed	Qualified
White/Caucasian	231	196	71	25
Black/African American	451	311	62	18
Asian	17	16	5	2
Multiple	12	11	9	1
Other/Unknown	33	13	1	0

CONCLUSION

- 29% of the Black/African American and 35% White/Caucasian patients who completed the FHx Tool qualified for genetic testing on NCCN guidelines
- 50% of the patients had more information in the FHx Tool than what was already in EPIC

IMPLICATIONS

- Expand outreach and testing to whole families of mutation carriers through Cascade Testing
- Continue increasing access to preventive care to all patients receiving mammograms
- Implement Kiosks in waiting room for patients to complete FHx Tool
- Telehealth and online FHx tool increases compliance

LIMITATIONS

- Patients access to technology
- Unable to reach patient
- Declined genetic testing
- Previous genetic testing
- Self-reported family histories

REFERENCES

- BRCA-Related Cancer: Risk Assessment, Genetic Counseling, and Genetic Testing. (2019, September 20). U.S. Preventive Services Task Force. https://www.uspreventiveservicestaskforce.org/uspstf/recommendation/brca-related-cancer-risk-assessment-genetic-counseling-and-genetic-testing
- Genetic/Familia High-Risk Assessment: Breast, Ovarian, and Pancreatic. (2019, December 4). National Comprehensive Cancer Network. https://www.nccn.org/store/login/login.aspx?ReturnURL=https://www.nccn.org/professionals/physician_gls/pdf/genetics_bop.pdf

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