

# CANCER SUPPORT COMMUNITY

A Global Network of Education and Hope

## Background

Distress and unmet psychosocial needs among patients with chronic disease have been associated with hospitalization frequency and length of stay and number of physician office and emergency room visits.<sup>1</sup>

There is research to suggest that identifying and addressing cancer patients' distress can lead to improved overall health and reduced healthcare costs.<sup>2</sup>

CancerSupportSource<sup>®</sup> (CSS) is a validated distress screening and referral program that provides a patient report with key information about concerns and support resources and a clinical report summarizing concerns that facilitate referral to additional assessment and support.<sup>3</sup>

### Aim

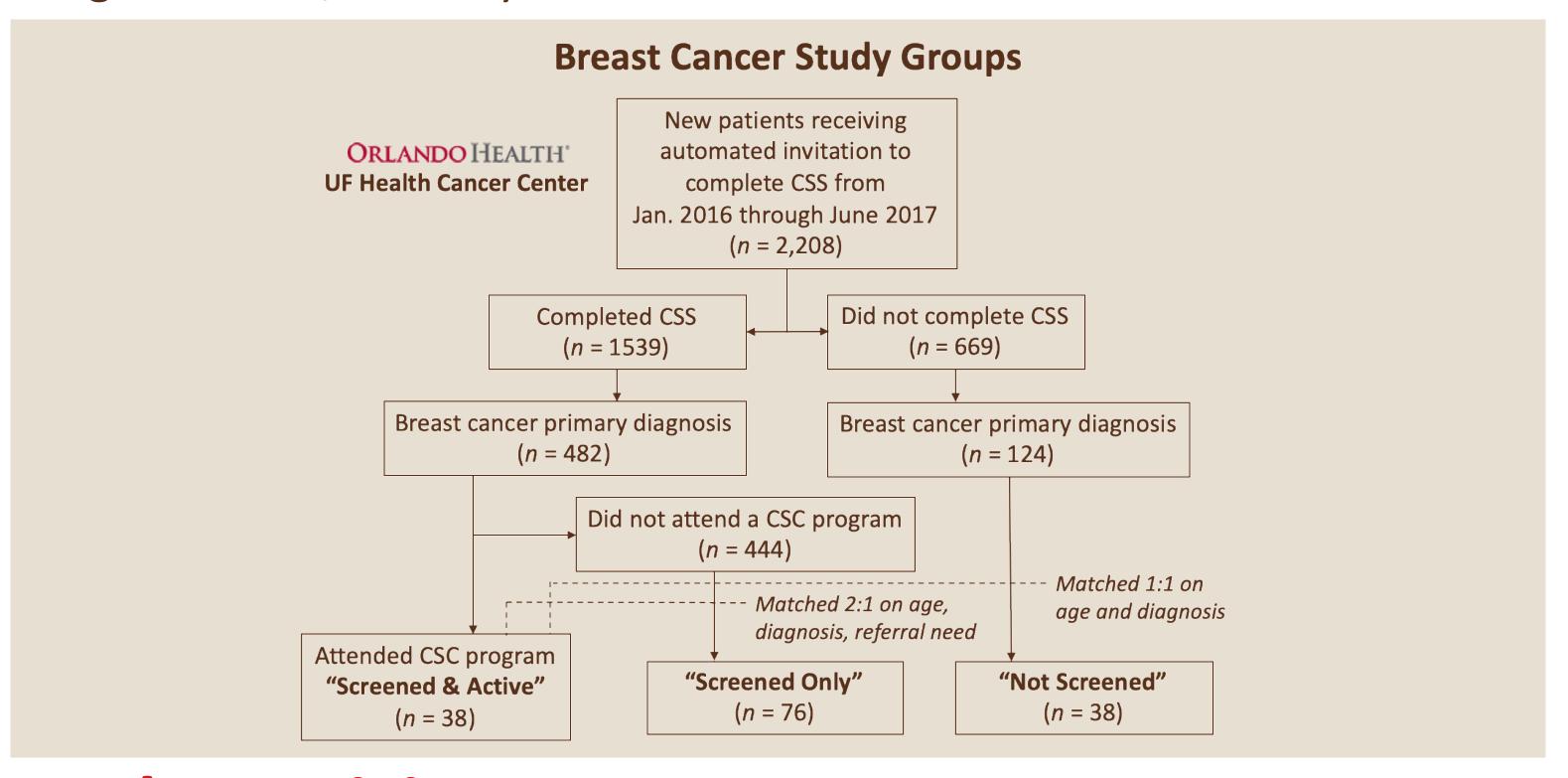
We explored the impact of CSS distress screening on health care cost and utilization among breast cancer patients at a community cancer center in a retrospective cohort pilot study.

### Methods

All participants received a primary diagnosis of breast cancer and were treated for their cancer at Orlando Health UF Health Cancer Center. Automated invitations to complete CSS were emailed to patients shortly after diagnosis.

Total billable charges across 2 years from screening, or date of scheduled screening, were extracted using CPT codes for Emergency Department, hospital inpatient, critical care, and office and outpatient services. Allied health service utilization (e.g., Integrative Medicine services, financial counseling services, nutrition) was extracted from medical records.

Group differences in total cost (log transformed) were tested using multiple linear regression, and differences in health care utilization were tested with binary and ordinal logistic regression. We reported predicted values adjusted for age and race/ethnicity.



## **Study Participants**

Participants were 54% non-Hispanic White, 14% non-Hispanic Black, and 12% Hispanic. Mean (SD) age was 55 (11) years. Among participants who completed CSS, 69% completed screening within 1 month of diagnosis.

### Acknowledgments

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# **Results from a Pilot Study Examining the Impact of Distress Screening and Referral on Health Care Cost and Utilization Among Breast Cancer Patients**

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## Results







### References

<sup>1</sup>Small, L. F. F. (2011). Determinants of physician utilization, emergency room use, and hospitalizations among populations with multiple health vulnerabilities. *Health (London), 15*(5), 491-516. <sup>2</sup>Carlson, L. E., Bultz, B. D. (2004). Efficacy and medical cost offset of psychosocial interventions in cancer care: Making the case for economic analyses. *Psycho-Oncology*, 13(12):837-49, discussion 50-6. <sup>3</sup>Buzaglo, J. S., Zaleta, A. K., McManus, S., Golant, M., Miller, M. F. (2020). CancerSupportSource: Validation of a revised multi-dimensional distress screening program for cancer patients and survivors. Supportive Care Cancer, 28, 55-64.

by expanding measures of cost and including measures of patient value.

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