Fatigue, sleep disturbance, and anxiety over the first year of breast cancer treatment Katrina Carr, BSN, RN; Susan M. Sereika, PhD; Susan Wesmiller, PhD, RN, FAAN University of Pittsburgh School of Nursing

INTRODUCTION

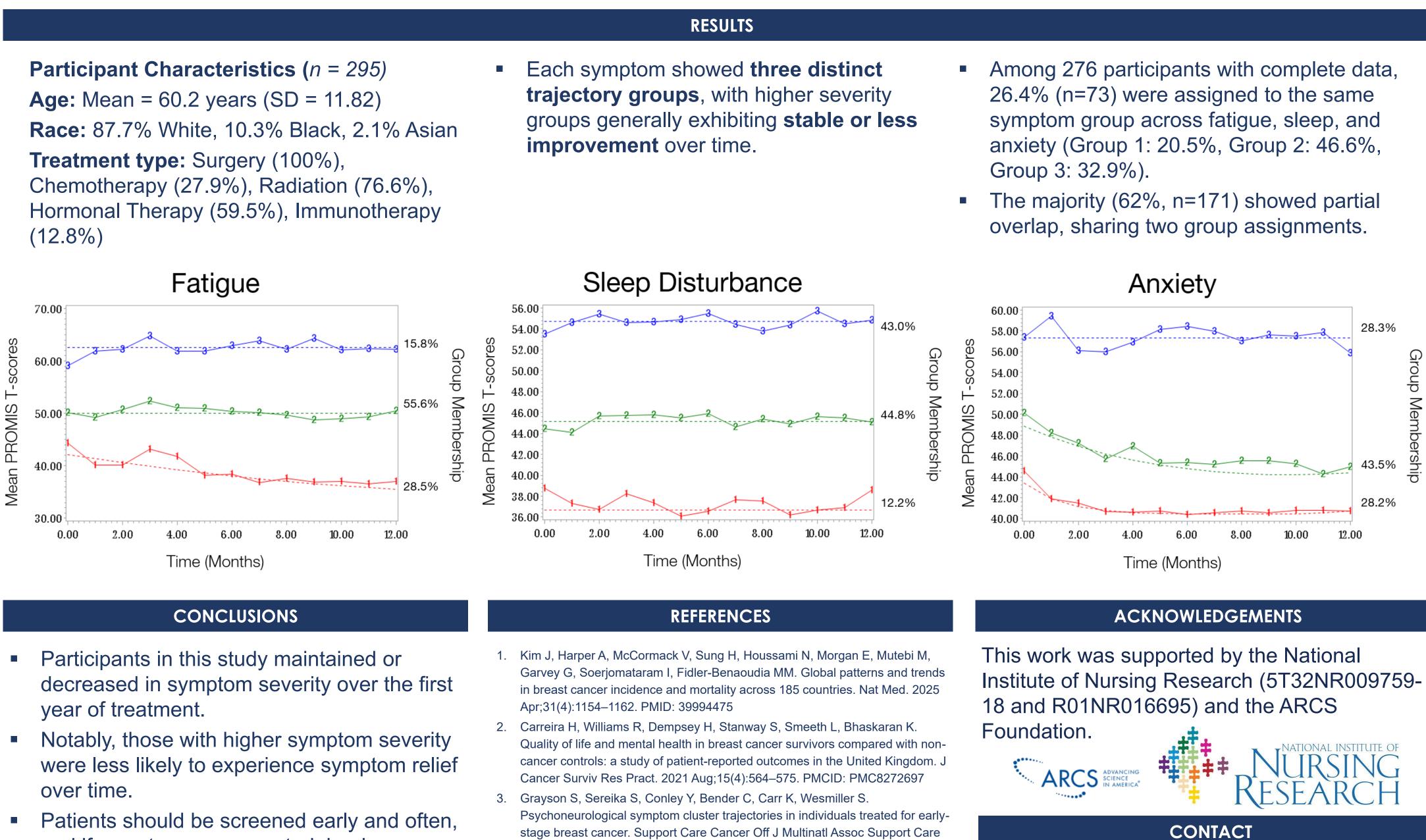
- Breast cancer is the leading cancer diagnosis in women worldwide¹ with up to 90% of women with breast cancer still reporting ongoing symptoms more than a year after diagnosis².
- Fatigue, sleep disturbance, and anxiety frequently co-occur in breast cancer patients, forming a cluster of symptoms that can significantly disrupt quality of life and hinder recovery³.

PURPOSE

To identify symptom patterns over the first year of breast cancer treatment.

METHODS

- This analysis used data from the Treatment-Induced Nausea and Vomiting (TINV) Study, a prospective, longitudinal study that followed women with early-stage breast cancer for one year regarding symptom experience.
- Participants completed the Patient-Reported **Outcomes Measurement Information System** (PROMIS®29) Questionnaire after hospital discharge, weekly during chemotherapy/radiation therapy, and monthly.
- Group-based trajectory modeling (GBTM) was used to identify distinct temporal patterns for fatigue, sleep disturbance, and anxiety during the first year of follow-up.



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- and if symptoms are reported, begin interventions earlier.

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