

# CancerSupportSource<sup>™</sup>: Validating a Web-based **Distress Screening Tool in the Community**

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#### Introduction

• Cancer Support Community (CSC) represents a global network of non-profit, community-based organizations that provide professionally led support and education to cancer patients and their families.

•The IOM, the NCCN, and the American College of Surgeons Commission on Cancer have all recognized that screening for psychosocial concerns is critical to ensuring quality cancer care for the whole patient. •Few tools have been validated in the community where up to 85% of cancer patients are treated. •Since 2008, CSC has been investigating the feasibility and effectiveness of distress screening, referral,

and follow-up in the community.

•In 2011, CSC began developing a sustainable model of integrated care with *CancerSupportSource*<sup>TM</sup> •CancerSupportSource (version 2.0) is a 25-item Web-based tool designed to screen patients for distress in the community and connect them to appropriate resources.

•The NCCN's Distress Thermometer (DT) is a widely used tool for measuring psychosocial distress. •Individuals scoring  $\geq$ 4 on the DT patients warrant further assessment and intervention for distress.

#### **Study Objective**

•Previously, CSC validated CSS against the FACT-G and CES-D and demonstrated moderate to strong reliability and validity. Table 1

•In the present study we compared CSS to the DT.

#### Study Design

Convenience sample of members from 10 CSC affiliates

- Phoenix
- Central New Jersey
- East Tennessee
- Pasadena
- Greater Lehigh Valley
- Miami
- Philadelphia
- Quad Cities (IA)
- San Francisco Bay area
- Cincinnati/ N. Kentucky

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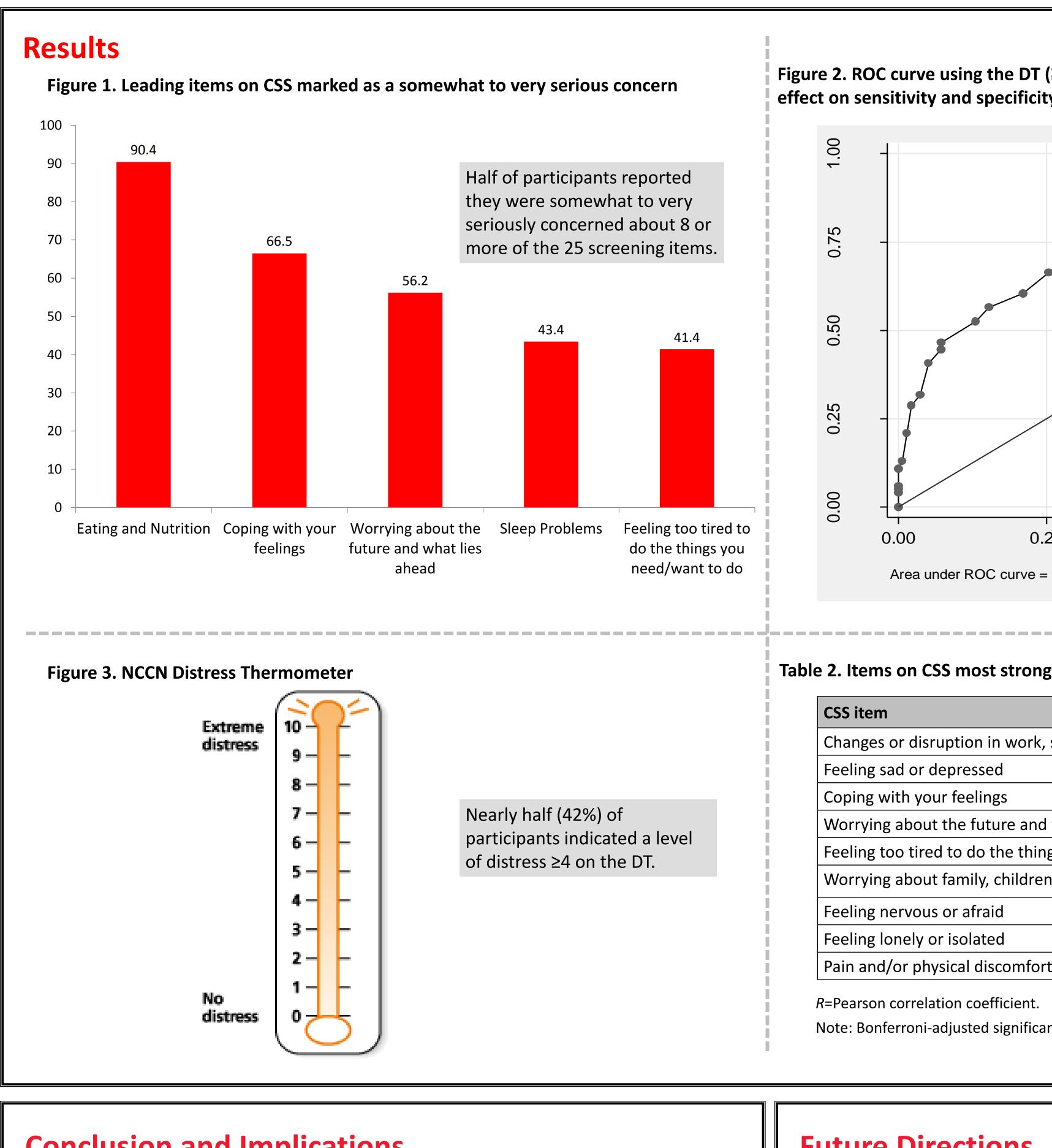
. Sample characteristics (n=251)				
Characteristic	n	%		
nnicity				
casian	204	87		
can-American	6	3		
panic	12	5		
n/Pacific Islander	9	4		
	222	90		
ท				
achelors Degree	178	76		
ncome <\$40,000	36	15		
Diagnosis				
ast	108	46		
ecologic	20	9		
prectal	17	7		
od	14	6		
ce diagnosis $\geq$ 2 years	159	68		
eatment within 2 years	144	64		
dian)	57 ye	ears		

### ethods

articipants completed an online survey at included CancerSupportSource 1.0 (CSS) d the Distress Thermometer (DT).

summary score (range 0 to 25) was culated as the total count of CSS items  $zed \ge 2$  (somewhat to very seriously ncerned).

eceiver operating characteristic (ROC) rve analysis using the DT ( $\geq$  4) as the terion was used to explore the effect on nsitivity and specificity of the sum of unt items rated  $\geq 2$ .



# **Conclusion and Implications**

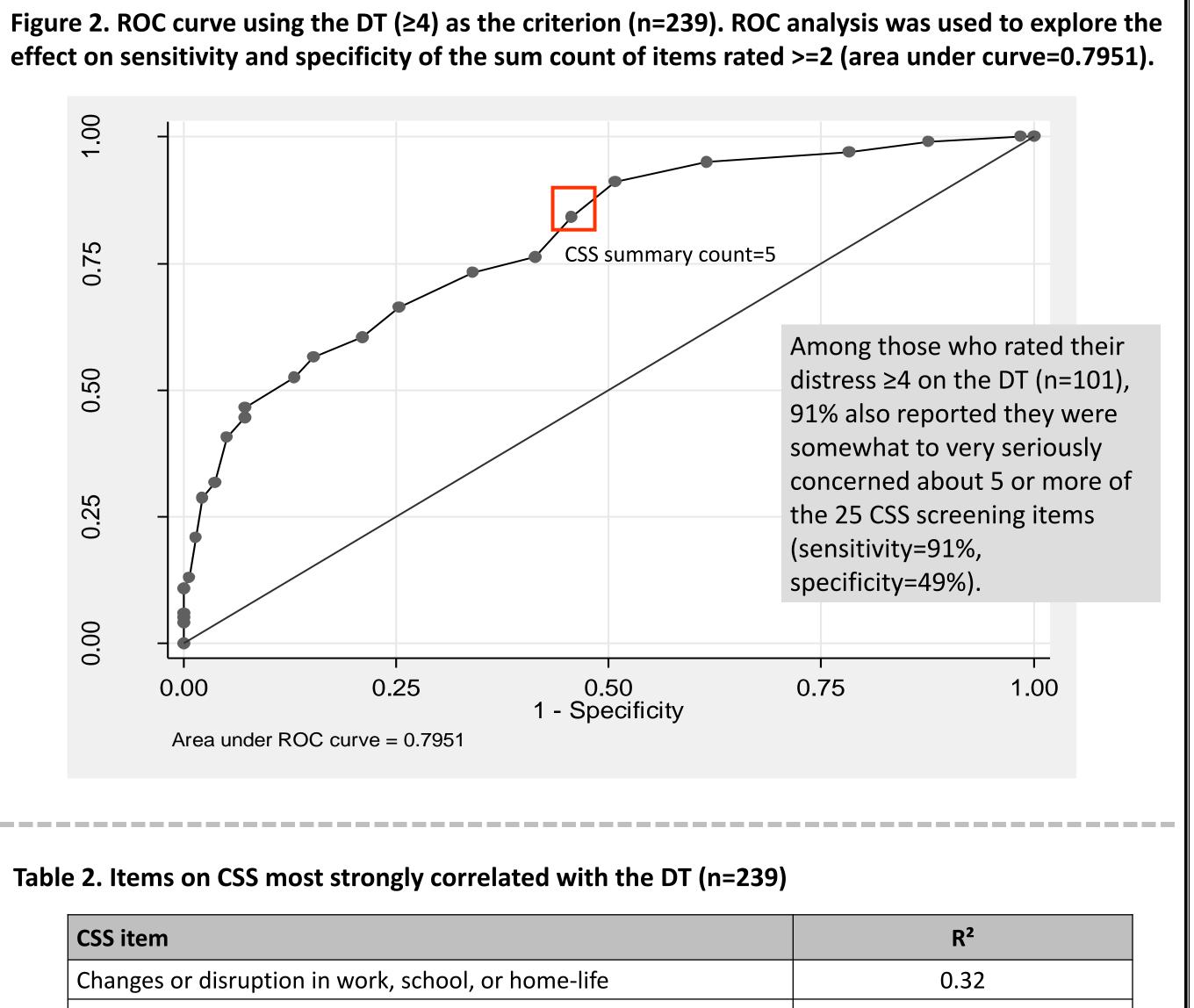
- CSS shows moderate to strong psychometric properties that can help screen for patients at high risk for distress and depression.
- Among those who rated their distress  $\geq 4$  on the DT (n=101), 91% also reported they were somewhat to very seriously concerned about 5 or more of the 25 CSS screening items (sensitivity=91%, specificity=49%).
- Rating 5 or more of the CSS items  $\geq$  2 can correctly identify the majority (91%) of patients that warrant further assessment and intervention for depression.
- Addressing the needs of patients at high risk for depression through appropriate screening, assessment, and intervention may lead to better patient-reported and cost outcomes.

# **Future Directions**

- survivors.
- referral and follow-up.

**Acknowledgement of Funding** Genentech





0.29 0.27 Worrying about the future and what lies ahead 0.25 Feeling too tired to do the things you need or want to do 0.25 Worrying about family, children, and/or friends 0.24 0.21 0.21 0.20

Note: Bonferroni-adjusted significance levels, p<0.001, for all correlations.

Test effectiveness and feasibility of CSS on a more diverse sample of

Demonstrate the effectiveness of screening referral and follow-up on patient reported, quality, and cost-related outcomes (adherence,

emergency room visits, missed appointments).

Evaluate the implementation of the 25-item screening tool along with

