# Being a **bully-victim** is associated

# with depression and social anxiety,

# but not pain outcomes, in teens with

# and without chronic pain

## When Hurt People Hurt People Bully-Victim Status and its Links to Health and Internalizing Symptoms in Youth with and without Chronic Pain

### INTRO

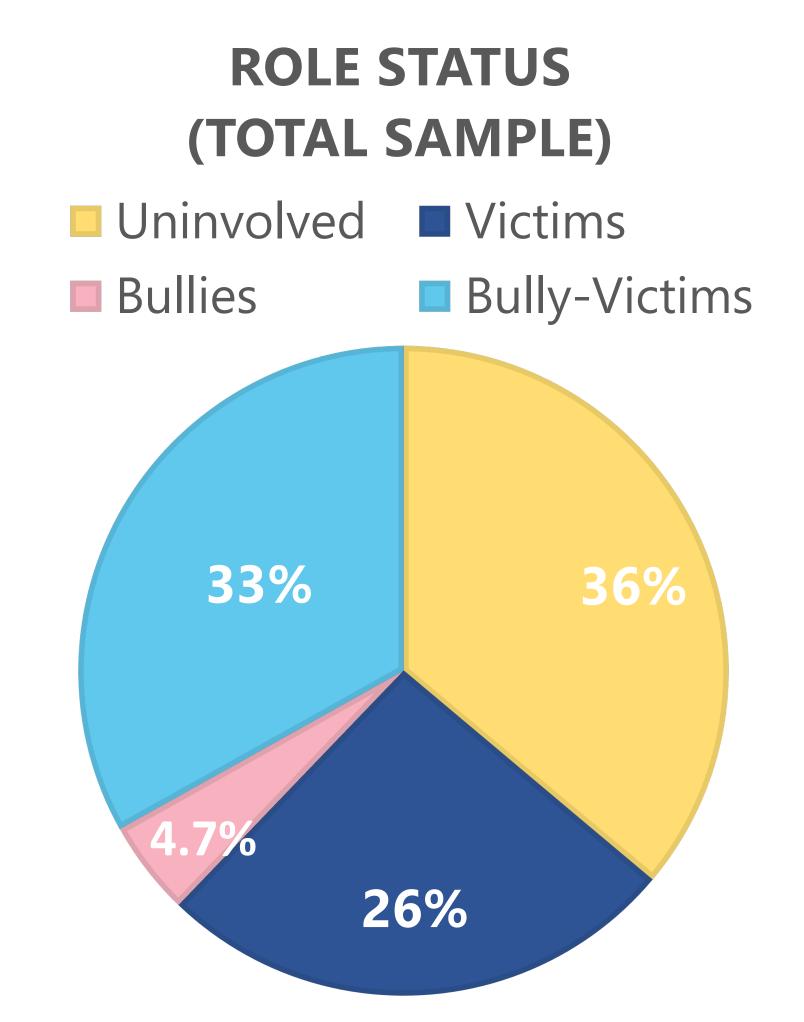
Involvement in peer victimization whether as a victim, perpetrator, or both—has been linked to poor mental health outcomes in community samples<sup>1-4</sup>.

This study is the first to examine bully-victim status and its links to

## RESULTS

There were no significant differences between youth with and without pain in regards to their peer victimization status

A one-way ANOVA revealed significant between group differences in pain and internalizing symptoms as a function of peer victimization status (all  $ps \le .004$ )



Participants were classified as a victim and/or bully if they experienced and/or perpetrated bullying behavior more than "once or twice" in the past year

physical health in a sample that includes youth with chronic pain.

### METHODS

Participants included 150

 adolescents (ages 14-18, 75%
 female); 70 of whom were seeking
 treatment for a chronic pain
 problem

All participants completed a set of questionnaires assessing their peer victimization experiences<sup>5,6</sup>, pain<sup>7</sup>, pain-related disability<sup>8</sup>, social anxiety<sup>9</sup>, and depression<sup>9</sup>

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Compared to uninvolved youth, bully-victims reported significantly higher (and clinically elevated) depressive symptoms [M=65.4, SD=18.0vs. M=53.6, SD=17.6; p < .001) and social anxiety symptoms [M=55.3, SD=11.7 vs. M=48.0, SD =11.9; p = .003], but no differences in pain or painrelated disability

Pure victims and pure bullies reported higher intensity pain compared to uninvolved youth

	Pain Intensity M(SD)	Disability M(SD)
Not Involved	3.96(2.61)	18.47(2.51)
Victim	5.37(1.90)**	18.02(2.89)
Bully	6.29(2.36)**	11.58(4.73)
<b>Bully-Victim</b>	4.0(2.43)	15.77(2.23)

#### DISCUSSION

Most participants reported some involvement in peer victimization over the past year., but youth with chronic pain were not more or less likely to be involved than their healthy peers. Bully-victim status was associated with physical and mental health symptoms in complex ways. Bully-victim status may be an important aspect to consider when assessing and treating teens with and without chronic pain problems.

