### Children's Mercy Kansas City SHARE (a) Children's Mercy

Research at Children's Mercy Month 2021

Research at Children's Mercy Month

5-2021

### Comparing Three Music Therapy Interventions For Anxiety And Relaxation In Youth With Amplified Pain

Ashley Scheufler Children's Mercy Hospital

Dustin Wallace Children's Mercy Hospital

Emily Fox Children's Mercy Hospital

Let us know how access to this publication benefits you

Follow this and additional works at: https://scholarlyexchange.childrensmercy.org/research\_month2021

### **Recommended Citation**

Scheufler, Ashley; Wallace, Dustin; and Fox, Emily, "Comparing Three Music Therapy Interventions For Anxiety And Relaxation In Youth With Amplified Pain" (2021). *Research at Children's Mercy Month 2021*. 25.

https://scholarlyexchange.childrensmercy.org/research\_month2021/25

This Poster is brought to you for free and open access by the Research at Children's Mercy Month at SHARE @ Children's Mercy. It has been accepted for inclusion in Research at Children's Mercy Month 2021 by an authorized administrator of SHARE @ Children's Mercy. For more information, please contact hlsteel@cmh.edu.

# **Comparing Three Music Therapy Interventions for Anxiety and Relaxation in Youth With Amplified Pain**

# <sup>1</sup> Children's Mercy Kansas City <sup>2</sup> University of Missouri-Kansas City School of Medicine

## Introduction

- Research in pediatric hospitals has shown the interventions can decrease anxiety and incre relaxation responses.
- There is a lack of research on the use of must therapy with pediatric chronic pain conditions amplified pain syndromes.

### Purpose

To examine the effects of 3 specific music the interventions on anxiety and relaxation levels participating in a 40 hour per week intensive interdisciplinary pain treatment program.

# Methods and Measures

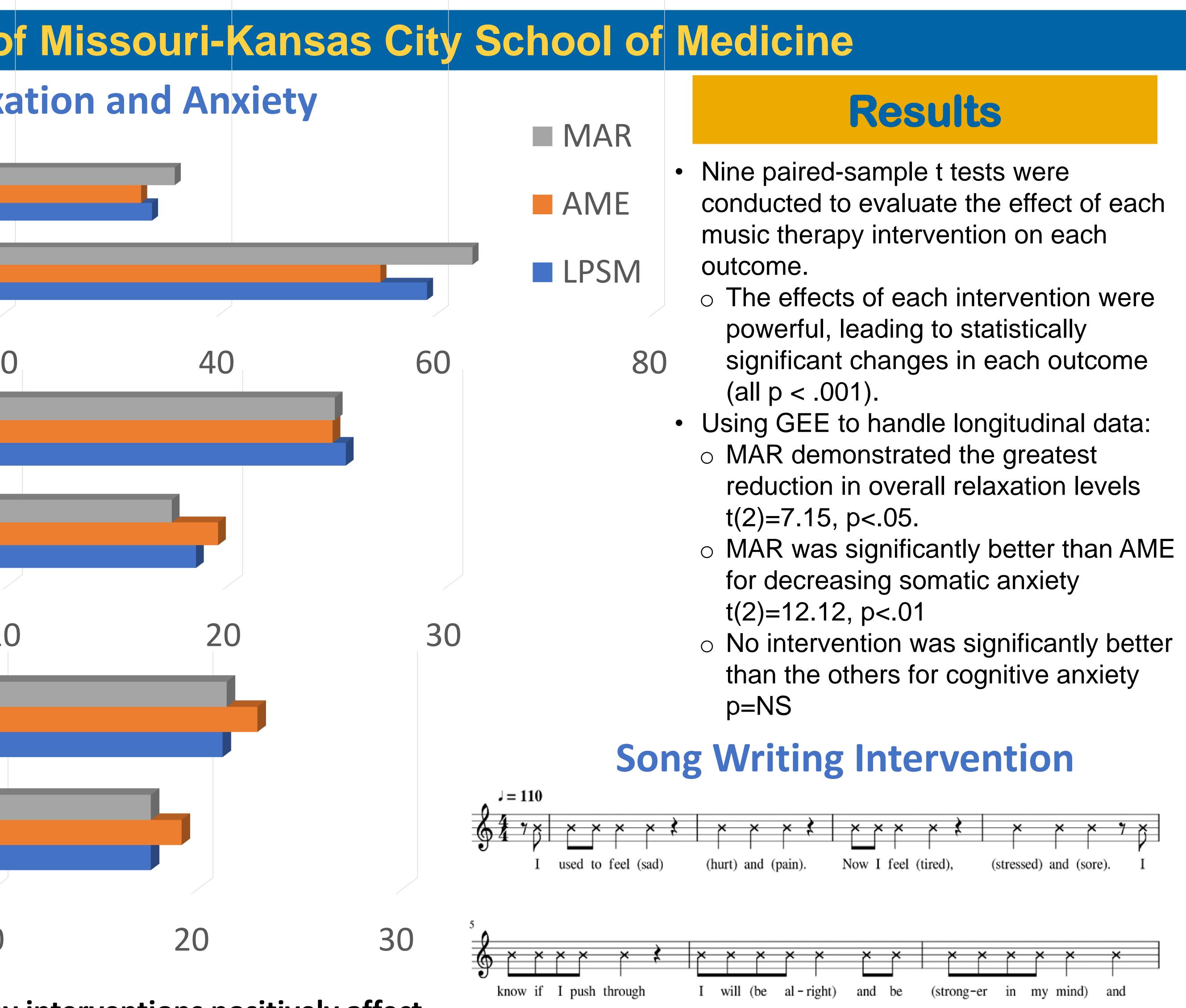
- N=48, ages 10-18 years
- Study utilized a 3-period, 3-treatment cross-over design
- Participants received each of the 3 interventions
- Measures:
  - State anxiety: State-Trait Inventory for Cognitive and Somatic Anxiety for Children
  - Relaxation scores: Visual Analog Scale.



Ashley Scheufler, MME, MT-BC<sup>1</sup>; Dustin P. Wallace, PhD<sup>1,2</sup>; Emily Fox, MD, MS<sup>1,2</sup>

		Changes in Relaxa					
hat mu ease	ISIC		xation	Pre			
usic ns such	n as		Relaxati	Post			
					0		20
herapy Is in yc Ə	outh	matic	Anxiety	Pre			
		S		Post			
					0		10
usic- isted xation		ognitive	Anxiety	Pre			
IAR)		0		Post			
	Live, Pa Select				0		10
	Mus (LPSN		/lusic Tł state le				

pain syndromes



y interventions positively affect nxiety in youth with amplified

