

# **Comparison Between Dance-Based and Traditional Exercise on Health-Related Quality of Life: A Cross-Sectional Analysis**

<sup>1</sup>Indiana University, Indianapolis, IN; <sup>2</sup>Indiana State University, Terre Haute, IN; <sup>3</sup>Elevated Living, Indianapolis, IN; IU Center for Aging Research, Indianapolis, IN; <sup>5</sup>Regenstrief Institute, Indianapolis, IN

### INTRODUCTION

Health-related quality of life (HRQoL) includes physical health, cognitive well-being, and the presence of social support. Declines in HRQoL can result in physical impairment, social isolation, and impaired cognition. Regular exercise participation may lead to better HRQoL among older adults. Dance-oriented group fitness classes (DANCE) can provide participants with structured exercise that involves high levels of coordination and social comradery. DANCE exercise may be a viable alternative to traditional exercise (TRAD) for the maintenance of HRQoL.

**PURPOSE**: To determine whether participation in regular DANCE exercise displays higher HRQoL in older adults when compared to those who participate in TRAD exercise.

## METHODS

**EXPERIMENTAL DESIGN**: This cross-sectional study included those who either participated in DANCE exercise or TRAD exercise at the time of enrollment. Participants were members of a local senior community center. Those in the DANCE exercise group had been participating in the LaBlast fitness program provided by the community center, at least 1x/wk. for 6wks prior to enrollment. The LaBlast fitness program features a diverse range of partner-free, coordinative exercises that include moves from the Tango, Rumba, and Quickstep. The coordinative movement patterns and structured learning habits of LaBlast can be useful for body toning, exercising, dance choreography, weight loss, social activity, or entertainment purposes, and are introduced in a progressive fashion. Those in the TRAD exercise group were participating in either aerobic or resistance training, but not dancebased exercise, for at least 2x/wk. for 6wks prior to enrollment.

All participants completed the following assessments: the Medical Outcomes Study Short Form 36 subscale for physical functioning (SF-36); the International Physical Activity Questionnaire (IPAQ); the Mini Mental State Examination (MMSE); the Duke Social Support Index (DSSI); and the Senior Fitness Test (SFT).





		DANCE
Sov	M (n)	1
Sex	F (n)	12
Age (y)		67.2 ± 7.2
Race		
	White	92.3%

	DANCE
SF-36	92.3 ± 5.3*
MSSE	26.9 ± 8.2
DSSI	28.2 ± 1.1
DSSI Social Interaction	10.5 ± 0.8



Rafael A. Alamilla<sup>1</sup>, Shaquitta R. Dent<sup>1</sup>, Robert C. Soliven Jr<sup>2</sup>., Tharon Holt<sup>3</sup> Navin Kaushal<sup>1</sup>, NiCole R. Keith, FACSM<sup>1,4,5</sup>

