



## Abstract

- emotional responses.
- musical presentation.
- scores than the deadpan performance.
- the treatment groups.
- than listening to a CD.

# Method & Measures extremely). The study took place in the care facilities' multi-purpose activity rooms. Results Results were determined using two, 2x4 repeated measures ANOVA tests with a between subjects factor. One test measured positive affect while the other measured negative affect. **Positive Affect** Results indicated no significance between the projected performance and any of the other treatments F(3, 31) = 0.53, p = 0.67.**Negative Affect** Results indicated significance between treatment groups and negative affect F(3, 31) = 2.91, p = 0.047.(p = 1.00) or the control group (p = 1.00). recording (p = 0.13) or the control group (p = 1.00). (p = 0.16).Wilk's $\Lambda = 1.00$ , *F*(1.0, 31.0) = 0.09, *p* = 0.77. posttest did not show any significance Wilk's $\Lambda = 0.83$ , *F*(3.0, 31.0) = 2.07, *p* = 0.13. \*Due to small sample sizes among the individual groups, an alpha level of 0.10 was used instead of the traditional 0.05 to determine significance.\*

- of music listening on mood in the elderly.
- music, having little to no stimulation of mood.

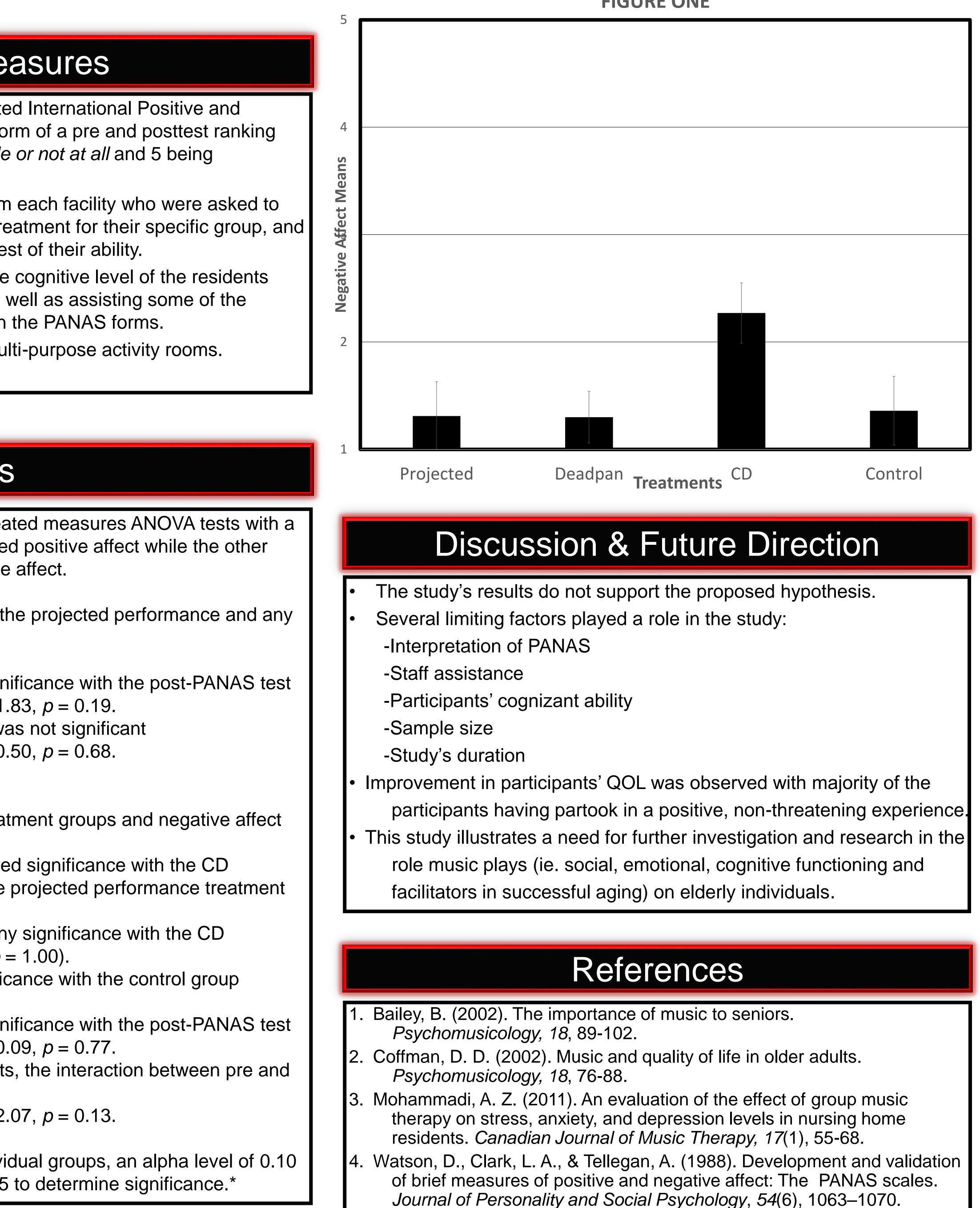
## Music appears to elicit different responses for many people. Elderly individuals having listened to music indicate an elevation in positive This study proposed that a live, projected musical presentation would elicit the greatest positive mood change in the participants versus no 35 elderly participants from four different long-term care facilities listened to different musical treatments and rank their emotions using the Positive and Negative Affect Schedule (PANAS) pre and posttest. Two, 2 (pre and posttest PANAS) x 4 (Treatment Groups: projected performance, deadpan performance, CD recording, and control group) repeated measures ANOVA with a between subjects factor concluded that the group listening to the CD recording had higher negative affect Positive affect scores did not show any significant difference between The deadpan performance illustrated lower negative affect than the CD which illustrates that playing live music may be a better option for clients **Research Question** This purpose of this study was to gain a further insight on the effects It was proposed that a live, musical presentation would elicit the greatest mood change in the participants versus its counterpart, no Experiment Variables & Treatments Groups were given either a live, music listening treatment, audio recording, or no music treatment (control). Dependent variables were Four long-term care facilities participated in the study, each facility only Schubert's Impromptu Op. 142, No. 2 for the piano was the selected \*Music is not limited to the piano and may be altered in future studies.\* Each intervention measured change in mood in the each of the

- positive and negative affect as a result.
- receiving one treatment.
- music for the musical treatments.
- participants in the form of a pre and posttest.

## VARYING FORMS OF MUSIC LISTENING AND THEIR EFFECTS ON ELDERLY PERSONS Bolton, Rory K., Crimmins, Andrea M.-Ph.D., MT-BC, & Hogue, John D. **Illinois State University**

- The test utilized was the scientifically validated International Positive and Negative Affect Schedule (I-PANAS) in the form of a pre and posttest ranking various moods 1 through 5 (1 being very little or not at all and 5 being
- The study utilized 35 elderly participants from each facility who were asked to complete the pre-PANAS test, listen to the treatment for their specific group, and then complete the post-PANAS test to the best of their ability.
- The care facilities assisted in determining the cognitive level of the residents who volunteered to be a part of the study as well as assisting some of the residents in answering the questionnaires on the PANAS forms.

- The pre-PANAS test failed to show any significance with the post-PANAS test Wilk's  $\Lambda = 0.94$ , *F*(1.0, 31.0) = 1.83, *p* = 0.19.
- The interaction between pre and posttest was not significant Wilk's  $\Lambda = 0.95$ , *F*(3.0, 31.0) = 0.50, *p* = 0.68.
- The deadpan performance treatment showed significance with the CD recording (p = 0.058) but not with either the projected performance treatment
- The projected performance did not show any significance with the CD
- The CD recording failed to show any significance with the control group
- The pre-PANAS test failed to show any significance with the post-PANAS test
- Despite the significance between treatments, the interaction between pre and





## **FIGURE ONE**