The Department of Individual, Family and Community Education

Research Showcase 2013

Tuesday November 19, 2013
Travelstead Hall
University of New Mexico
Welcome to the Department of Individual, Family and Community Education Research Showcase 2013!

The richness of New Mexico is mirrored and many of its needs addressed through the diversity of the graduates, students, faculty and programs of the Department of Individual, Family and Community Education. And what we study, learn and teach here travels the globe.

Given the diversity of topics researched in the department, researchers from all parts of campus and the community may well find collaborators in IFCE. Department faculty have worked on funded projects at the Health Science Center, the School of Engineering, and the College of Arts and Sciences to name a few.

We are always willing to work together with other UNM colleagues and community partners to meet the needs of New Mexico and beyond.

Let us know how we can help.

Jay Parkes, Ph.D.
Department Chair
Posters Presented

#700759

*Comparison of PCAT scores and first semester academic performance for underrepresented and white students*

Krystal McCutchen, Educational Psychology Program

Donald Godwin, College of Pharmacy

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To determine if differences in average PCAT composite and chemistry scores were linked to differences in average first semester academic performance (GPA) between underrepresented students and white students in a majority-minority College of Pharmacy.

*Keywords:* PCAT, student success, academic performance

#701639

*Development of an electronic data collection system for pediatric (ages 5-11) diet intake and physical activity behaviors*

Deborah Cohen, Nutrition Program

Christina Perry, Health, Exercise and Sports Sciences

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The overall goal of this project is to increase evidence-based educational programming related to pediatric overweight and obesity in New Mexico. To accomplish this goal the following objectives will be met: to develop a software infrastructure
that will improve field data collection of pediatric (ages 5-11) diet intake, physical activity behaviors, and environmental factors, to create an electronic field-tested repository of best-practice diet and physical activity measurement tools for researchers to use in socio-culturally diverse pediatric populations in NM and To pilot the newly developed software and modified instruments for applicability in diverse populations in NM.

Keywords: pediatric obesity, diet assessment, physical activity assessment

Mothers' and Fathers' Participation in Children's Care and Academic Tasks in Bangladesh: A Rural-Urban Comparison

Zia Hossain, Family Studies Program
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Aaron Guajardo, Family Studies Program

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The primary objectives of this paper were two-fold: (i) whether mothers and fathers differed in their involvement with their school-age children's care and academic work; and (ii) whether mothers’ and fathers’ involvement varied as a function of gender-of-children and rural and urban residence in two-parent families in Bangladesh. Mother and father dyads from 40 rural and 41 urban families participated in the study. Mothers and fathers were interviewed to collect the data. Results revealed that mothers spent more time in children’s care and academic work than fathers in both rural and urban families than fathers, but parents in urban families spent more time than parents in rural families. Whereas both mothers and fathers spent more time with their sons than daughters in rural families, parents invested similar amount of
time with their sons and daughters in urban families. Findings are discussed in relation to fathers’ changing roles in childcare and school work in Bangladesh.

*Keywords:* Fathers, Childcare, Rural-Urban Difference, Bangladesh

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**Pilot Study: The Effects of Lifestyle Modifications on Total Caloric, Empty Caloric, Fruit, and Vegetable Intake in Overweight/Obese Emerging Adults**

Mackenzie Bodo, Nutrition Program

Dr. Carole Conn, Nutrition Program

Dr. Elizabeth Yakes Jimenez, Nutrition Program

Dr. Alberta Kong, Adolescent Medicine

Deborah Kolkmeyer, Nutrition Program

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Combining physical activity, nutrition education and a convenient on-site program are crucial for the development of a successful weight management program. Currently there is a literature gap in how this plan could affect overweight/obese emerging adults. The Albuquerque Job Corps Center provides free education and career-training programs for 16-24 year old, low income emerging adults. Due to the 60% prevalence for overweight/obesity at the AJCC, there is a need for an organized weight management program. The ten-week RxLM will include an on-site 30-minute fitness class followed by a 15 – 20 minute nutritional lecture, for five classes a week.

*Keywords:* Emerging adults, Dietary intake, Lifestyle modification, Overweight/Obese
Burnout: Marriage and Family Therapist’s Experiences in the Profession

Ashley Martin-Cuellar, LMFT, Family Studies Program

David Atencio, Early Childhood Multicultural Education Program

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This research was an exploratory phenomenological study looking at Marriage and Family Therapist’s lived experiences with stress and job burnout. Seven Licensed Marriage and Family Therapists were interviewed and several themes emerged, providing insight into factors that may contribute, attenuate, or prevent job burnout in this profession.

Keywords: Job Burnout, Stress, Therapy

Phenomenological inquiry on the perception of male students in the College of Education

Jonathan L. Gayer, Educational Psychology Program, University of Nebraska

Terri Flowerday, Educational Psychology Program

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Using a qualitative phenomenological approach the study will include interviewing men who have declared their major in the College of Education; and are at least in their second semester of study within their educational concentration. We hope to
analyze students’ responses to identify common characteristics for positive and negative attributes as they complete their educational degree.

Keywords: qualitative, male transition, higher education

#710193

**The African American Experience: Family Dynamics Post Disclosure**

Don Trahan, Jr, Counselor Education Program

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This study describes a qualitative project that utilized grounded theory in order to explore the experiences of African American families when one member discloses their identity as lesbian, gay, or bisexual (LGB) or their gender identity as transgender (T). Respondents in this study included parents, and the LGBT identified son or daughter, to explore the impact of the disclosure process within African American families in the Southwestern United States. Implications for counseling practice and future research are explored.

Keywords: African American, Family Counseling, LGBT, Disclosure, Coming Out

#710484

**American Indian Student Motivation at a Tribal College**

Rebecca Izzo-Manymules, Educational Psychology Program

Terri Flowerday, Educational Psychology Program
This is a study on American Indian Student Motivation at a Tribal College. The proposal is to conduct a survey with approximately 200 students at a Tribal College in the southwestern United States. The 77 item survey will gather information on 10 motivational indicators: self determination, competition, social goals, interest, recognition, self-efficacy, mastery, future value, affiliation, and leadership. Other information gathering instruments include a student demographic sheet to identify student characteristics, and five open ended questions designed to expand our understanding of student motivation. The study is proposed to start in Spring 2014. The results from the study will assist in identifying motivational areas that can support student academic achievement.

Keywords: motivation, American Indian Education, College students
interval exercise do not increase appetite or energy intake over a few hours post-exercise in the laboratory. This study will compare energy intake, appetite and exercise enjoyment in 15 free-living overweight, sedentary college-aged males in the 24 hours following three trials: rest, high intensity interval exercise and sustained intensity exercise. Subjects will complete an exercise enjoyment scale, appetite logs, and two dietary recalls for each trial. This research will evaluate whether high intensity intervals are enjoyable as exercise that favorably impacts appetite.

Keywords: appetite, energy-intake, high-intensity interval exercise, exercise enjoyment

The effect of BMI on the age of menarche in adolescent girls

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There is mounting evidence that overweight/obesity and early occurrence of puberty have implications for future health of adolescents. In a framework of a larger study we explored the relationships between BMI and pubertal development in a cross-sectional observational study of 295 girls ages 11 to 19. Participants completed a self-administered online food frequency questionnaire about current and past food consumption and a pubertal development questionnaire to report timing/onset of menarche and other pubertal developmental markets. The average age of menarche was 12.5 ± 1.4 years. There was a significant indirect correlation between BMI and the age of menarche.

Keywords: BMI, menarche, overweight, obesity
Learning together and alone: Images of reading and doing arithmetic

Jan Armstrong, Educational Psychology Program
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Education iconics is the study of how educational themes have been visually represented across cultures, communities and time. This preliminary project explored how artists and photographers have depicted girls and women as learners. Our initial sample of images was drawn from books, national archives, the Virtual Museum of Education Iconics, and the UNM Center for Southwest Research (CSWR). Humanistic analysis of these images may afford new insights into the origins of contemporary educative and mis-educative values and practices. This, in turn, may have the potential to foster dialog within professional communities and diverse educational constituencies. The presentation uses visual images to present key themes and insights.

Keywords: education iconics, images of learning, qualitative psychology, arts and education

Principles, Dispositions, & Competencies for Responsive Early Education: The Dual Language Learner Early Childhood Teacher Competencies Project

David J. Atencio, Early Childhood Multicultural Education Program
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Antonia Lopez, National Council of La Raza
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The Dual Language Learner Early Childhood Teacher Competency Project established teacher competencies in two domains and professional dispositions necessary for professionals to possess in order to provide responsive early childhood education to children of diverse linguistic and cultural backgrounds. The indicators of competency were developed to reflect the diversity of professionals working in early childhood education in terms of culture, language and literacy. This poster provides a summary description of the project.

Keywords: Dual Language Learner, Teacher Competency, Teacher Dispositions, Responsive Early Childhood Education

Meta-analysis: The Challenges and Pitfalls of Empirical Review

Brian King, Educational Psychology Program
Rob Hoy, Educational Psychology Program

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It has been 37 years since Gene Glass identified an empirical review of effect sizes, coining the term meta-analysis. Analysis methods have continuously improved, but there are still many barriers to capturing an accurate survey of the literature and its resulting effect sizes. The current study examines difficulties in (1) effectively locating literature (2) creating an efficient database (3) calculation of effect sizes and (4) reporting findings. A brief survey of the AA literature published from 2012 through the current year is examined for context. Suggestions are made to help future researchers who are new to the meta-analytic process.

Keywords: meta-analysis, quantitative methods, Alcoholic’s Anonymous, research design
Interactive Learning Assessment: Providing Context and Simulating Professional Practice

Elizabeth Yakes-Jimenez, Nutrition Program
Vanessa Svihla, Teacher Education
Tim Castillo, ARTS Lab
Andrea Cantarero, Nutrition Program
Tabitha McKay, Nutrition Program

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Professional practices are challenging both to teach and to assess. Interactive Learning Assessment (ILA) is an online assessment that allows learners to take on an expert role (e.g. dietitian) and learn content as they counsel virtual clients/patients. This poster represents results from Fall 2012 and Spring 2013 pilot tests and portions of a Fall 2013 test with undergraduate students in a nutrition program. Students completed the ILA in 1-3 hours and reflected on the experience. Analysis reveals that students enjoyed learning about counseling in this manner, and that ILA allowed them to learn professional content and practices - in this case, the nutrition care process.

Keywords: dietetic training, education, clinical skills, interactive learning
The Latent Factors of Choice: Exploring Undergraduate Perceptions

Terri Flowerday, Educational Psychology Program
Veronica L. Lee, Educational Psychology Program
Robert Hoy, Educational Psychology Program
Frank Volpe, Educational Psychology Program

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Our purpose was to look at the beliefs of undergraduate college students about the usefulness of choices within the classroom context. Using statement items and 5-point Likert scales, the researchers developed three subscales to measure preferences for type of choice. Results indicate students believe choice is important in each of the three areas with the strongest preference for Topic Choice, followed by Assessment Choice, and Social Arrangement Choice.

Keywords: motivation; choice; undergraduates

A meta-analysis of mutual-help groups: a case study of meta-analysis research design and common hurdles researchers face

Rob Hoy, Educational Psychology Program
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This present study is part of a larger meta-analysis of the AA and mutual-help literature since 1993. An exhaustive literature
search led to the retained studies being coded for descriptive statistics. For the studies with appropriate effect sizes (36%), two coders were trained to report relevant study statistics to Hedge's g for use in the analysis. Effect sizes, their relation to geographic regions within the US were examined, as well as differences between treatment settings and overall study quality. Studies which utilized lagged measurement designs were used to establish causal relationship between AA and drinking outcomes through regression analysis. Participation in mutual-help groups such as AA are strongly related to positive drinking outcomes. Although some mediators are identified, further work is required to identify specific mechanisms of change.

*Keywords:* meta-analysis, research design, evidence-based practice, mutual-help groups, Alcoholics Anonymous

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**Time-Moderated Test-Retest Correlations: Current Practices and Recommendations**

Alicia Gonzales, Educational Psychology Program

Brian King, Educational Psychology Program

James P. Selig, Educational Psychology Program

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Test-retest correlations are commonly used to assess score reliability. The use of the test-retest method requires that some time pass between the two tests. Often the amount of time that passes can directly influence the size of the test-retest correlation, but little guidance is available to help researchers choose an appropriate interval. In this study, we examine expert recommendations for the length of time between tests and review commonly used intervals across a wide variety of tests.

*Keywords:* test-retest correlation, reliability, time lag
In a predominately Black high school: Personal interests, achievement goals, peer groups, and math

Martin H. Jones, Educational Psychology Program

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While popular media often focuses on negative factors affecting Black students’ academics, recent research suggests several academically supportive factors: students’ personal interests, achievement goals, and peer interactions (Bartko & Eccles; Kaplan & Maehr, 1999). Participants were 210 students from a predominately African American high school. Findings suggest that females with lower interest in dancing and higher mastery approach orientation perform better in math, whereas males’ interests and achievement goals did not related with math achievement. Results also suggest that peer groups with predominately female members and science TV interests perform better in math.

Keywords: motivation, African American, achievement, gender, friends

Reproducibility of magnetic resonance imaging (MRI) scans for the measurement of changes in hepatic fat in healthy adults

Deborah Cohen, Nutrition Program

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The aim of this study was to determine the reproducibility of abdominal MRI for the measurement of hepatic fat changes which can be useful to evaluate the effects of diet
interventions in those at risk for developing non-alcoholic fatty liver disease (NAFLD).

*Keywords:* hepatic fat, magnetic resonance imaging

#701921

**Integration of Holistic Wellness Practices in the Supervision of Counselors**

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Supervision is a vital piece in the education and training of counselors. Due to the level of burnout experienced by counselors, it is suggested that holistic wellness practices be integrated into the process of supervision. This presentation will explain why this is an important addition to supervision and what the incorporation of holistic wellness practices would look like in this setting.

*Keywords:* Counselor supervision, burnout, holistic, wellness

#701946

**Multicultural Dimensions in Child Counseling Research: A Systematic Review**

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A systematic review of child counseling research was conducted to examine how dimensions of cultural identity have been addressed with children. These dimensions included race, sex, disability, gender, sexual orientation, socioeconomic status, ethnicity, and culture. Research methodology and historical trends were also considered. The analysis of 46 studies suggested that cultural identity has not been
sufficiently explored in child counseling research and that there are significant gaps between theory and practice. More rigorous qualitative and quantitative research is needed to explore the process of change and outcome with culturally diverse children.

*Keywords:* multicultural, systematic review, Counseling, children

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**The Status of School Counseling Supervision**

Deanna Valdez, Counselor Education Program

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Counseling supervision is an intervention used in the counseling profession to facilitate the development of counselors in training as well as monitor those entering the field. Counseling supervision encompasses many aspects yet it serves two main functions; facilitating the development of the student counselor and safeguarding the well-being of the client. School counseling supervision is an extension of counseling supervision and specified to the school setting. It serves the same major functions as clinical supervision yet addresses the multi-faceted nature of the school setting. This study looks at the current status of school counseling supervision.

*Keywords:* supervision, school counselor, training
Implementing the Sport Education Curriculum Model in Adapted Physical Education

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Sport education model allows students to perceive strong engagement, leadership, cooperation, and enthusiasm. The purpose of this study was to investigate the perceptions of a physical education teacher on teaching students with disabilities using the Sport Education Model to teach swimming. A physical education teacher from the special school was invited to participate in the study. Data collection consisted of two formal interviews, several informal interviews, field note, and lesson plans. The data were coded and summarized into categories related to the research questions. Constant comparison was utilized to collect more detailed information. Findings showed that sport education model made the participant high function on teaching students with disabilities because it provided students with understanding cognitive more on their roles.

*Keywords:* Physical Education, Perceptions, Sport Education

Effects of the novel myokine Irisin on skeletal muscle metabolism

Roger A. Vaughan, Nutrition Program

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Background: Exercise stimulates several potent metabolic effects leading to increased energy expenditure and metabolic
rate. Irisin, a secreted myokine, increases metabolic rate and mitochondria in adipocytes, however the effects of irisin on muscle remain unknown. Methods: We evaluated the effects of irisin on metabolism, metabolic gene expression, and mitochondrial content in skeletal muscle cells. Results: Irisin significantly elevated basal and peak oxidative metabolism (p<0.001) as well as mitochondrial uncoupling (19.0%, p<0.001) above control. Irisin also induced metabolic gene expression leading to increased mitochondrial biogenesis. Conclusions: Our observations demonstrate that irisin increases metabolic rate through skeletal muscle mitochondrial biogenesis and uncoupling.

Keywords: Mitochondrial uncoupling protein 3 (UCP3), peroxisome proliferator-activated receptor γ coactivator-1α (PGC-1α), myokine, fibronectin type III domain containing protein 5 (FNDC5)

Sexuality in Counselor Education: An Exploration of Curriculum Development

Megan Speciale, Counselor Education Program

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Several scholars in the mental health field have attested to the importance of sexual health in holistic individual wellness, however little is known regarding the extent of preparation counselors-in-training are receiving in counselor education programs across the nation. Additionally, while current accreditation guidelines require the inclusion of human sexuality (e.g., gender, sexual functioning, sexual orientation) and its impact on family and couple functioning, it remains unclear how educators are integrating sexual wellness into counseling curricula. Thus, this study seeks to gain insight into both current sexuality course offerings and educators’ curriculum development processes.

Keywords: Counselor Education, sexuality, curriculum development, feminism
Suicide Assessment Training in Counselor Education

Neil P. Rigsbee, Counselor Education Program

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This study attempts to answer if an online suicide assessment training module an effective method for teaching suicide risk assessment to counseling students. Specifically, this study aims to investigate whether the online suicide assessment training module is an effective method of training prepractica counseling students in the basic knowledge and skills required to perform a suicide risk assessment. Experimental study using a randomized control, pre-post design to test if there are statistically significant differences between two groups in their: Knowledge of suicide facts; Counseling skills related to effective suicide assessment: Ability to identify suicide risk factors, warning signs, and protective factors; and Ability to determine level of risk and assign appropriate clinical action.

Keywords: Counselor Education, Suicide Assessment training, Counseling Pedagogy

Children’s sleep disruptions and behavioral and emotional adjustment: An examination of reciprocal relations

Ryan J. Kelly, Family Studies Program

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Child sleep and adjustment research with community samples is on the rise with a recognized need of explicating this association. We examined reciprocal relations between children’s sleep and their internalizing and externalizing symptoms using three waves of data spanning five years. Participants included 176 children at T1 (M = 8.68 years; 69%
European American, 31% African American), 141 children at T2 (M = 10.70 years), and 113 children at T3 (M = 13.60 years). Children were from a wide range of socioeconomic backgrounds. Sleep was measured subjectively via self-reports and objectively via actigraphy and adjustment was assessed with parent and child reports. Cross-lagged panel models indicated that reduced sleep duration and worse sleep quality predicted greater depression, anxiety, and externalizing symptoms over time. To a lesser extent but supportive of reciprocal relations, adjustment predicted changes in sleep. Findings illustrate the reciprocal nature of relations between sleep and adjustment difficulties in otherwise typically developing youth.

Keywords: sleep, children, adjustment

Marital conflict and children’s sleep disruptions: An examination of reciprocal relations

Ryan J. Kelly, Family Studies Program

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We examined reciprocal relations between parental marital conflict and children’s sleep disruptions over two years. The roles of ethnicity (African American and European American) and socioeconomic status were tested as moderators of the examined relations. A community sample of 176 school-age children (M age 8.68 at T1) and their parents participated at T1 and T2 with a 2-year interval between waves. Mothers, fathers, and children reported on parental marital conflict, and children’s sleep was measured via actigraphy and self-reports. Latent variable modeling indicated that T1 marital conflict predicted increases in children’s sleep disruptions longitudinally; results were more pronounced for African American children and those from lower SES homes. Further, children’s sleep disruptions at T1 predicted increases in
marital conflict over time. Results demonstrate the importance of reciprocal relations between a prevalent familial stressor and a fundamental facet of children’s health, especially when considering the sociocultural milieu.

*Keywords:* Marital conflict, sleep, children

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*Information Literacy in Graduate Medical Education: Instrument Development*

Sarah Knox Morley, MLS, Educational Psychology Program

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The information literacy (IL) construct represents a broad set of skills and abilities necessary to locate, evaluate and use information, encompassing both technical and intellectual skills. While IL tests have been developed for undergraduate college students, use in graduate education has been less well investigated and none of the currently available IL assessments are intended for medical professionals. An instrument capable of measuring IL skills has practical implications for identifying gaps in physician trainee knowledge and would provide formative feedback to residency program directors and health sciences librarians. This poster describes the steps being taken to develop such an instrument.

*Keywords:* Graduate Medical Education, Information Literacy, Instrument Development
Respect in the Classroom: Teacher Conceptions

Almut K. Zieher, Educational Psychology Program

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Respect is a word commonly found in descriptions of teacher or student behavior, but it remains a vague and minimally defined construct, especially as it relates to the classroom setting (Audley-Piotrowski et al, 2008; O’Grady et al, 2011). Although the construct of respect in romantic relationships (Frei & Shaver, 2002; Gottman, 2006), development of respect based on the work of Piaget, and findings from recent empirical studies (Audley-Piotrowski et al, 2008) provide some conceptualization of what respect might be, there continues to be a gap in our understanding of this construct as it pertains to the teacher-student relationship. The proposed study is designed to examine the construct of respect in the teacher-student relationship by examining teacher’s conceptualizations of respect. The author also explores the implications for future research.

Keywords: respect, teacher conceptualization, teacher-student relationship

Supervision of New Counselors Working with Victims of Domestic and Sexual Violence

Angela Catena, Counselor Education Program

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This poster presentation will explore the current research available on supervision of counselors in training and novice counselors working with victims of domestic and sexual violence.

Keywords: Supervision, Supervising Counselors in Training, Counselor Education
Addressing Power Dynamics using Adlerian Supervision

Heather Sands, Counselor Education Program

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Adlerian supervision draws from a holistic understanding of human beings that promotes a working alliance for communicating and modeling egalitarian relationships within a clinical setting that portray and utilize power in light of empathy, nurturance, and support of supervisees' development. Power dynamics are foundational for both supervisory and counselor-client relationships as they are essential for supervisors and counselors in navigating supervisees’ and clients’ emotional boundaries. Supervision becomes a process where supervisors provide both experiential and didactic examples that demonstrate and model power dynamics for counselors-in-training—woven through counseling and supervision sessions through parallel processing.

Keywords: Adlerian Supervision, Power Dynamics, Self-Concept, Relationships

Freedom-Focused Existential Therapy: Clinical Implications with Military-Populations

Aaron Janes Smith, Counselor Education Program

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This presentation will present a new theoretical framework for the practice of existential therapy, particularly as it applies to clinical mental health work with military-populations. This presentation will attempt to provide a philosophical framework for this new intervention, in light of military-
specific mental health needs. Multicultural considerations and potential limitations will also be explored they relate to the practice of Freedom-Focused Existential Therapy.

*Keywords:* Military, Mental Health, Existential Therapy, Veterans' Affairs

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**Peer Supervision as the Professional Development Component for Performance-Based Evaluation of School Counselors**

Jennifer Rogers, Counselor Education Program

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School districts can reduce the rate of burnout and decline of counseling skills among school counselors by providing them peer supervision. To ensure participation from all schools and school counselors, school districts will need to endorse peer supervision. This support may have to come through the mechanism of evaluation by making peer supervision mandatory for all school counselors under the professional development requirement.

*Keywords:* school counselor, peer supervision, professional development, performance based counselor evaluation
Co-Supervision of Co-Counseling

Hannah Bowers, Counselor Education Program

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Co-counseling is a common occurrence within the practicum experience of master level clinicians within the counseling field. As doctoral students partake in supervision of practicum students, opportunities for co-supervision of co-counseling occur. The purpose of this poster is to propose a study examining the experience of partaking in co-supervision of co-counseling.

Keywords: Supervision, co-counseling, counseling practicum

The effects of a novel exercise-induced myokine on breast cancer epithelial cells

Nicholas P. Gannon, Nutrition Program

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Background: Exercise has been postulated to reduce risk and improve prognosis of several type of cancers. Irisin, a muscle secreory factor, alters metabolism systemically and may sensitize select cancers to various chemotherapies. Methods: We evaluated the effects of irisin on cell viability, proliferation, migration, and combinational antineoplastic therapy in malignant and non-malignant breast epithelial cells. Results: Irisin significantly (p<0.001) decreased cell proliferation and viability in malignant, but not non-malignant cells. Additionally, irisin suppressed cell migration and increased apoptosis to doxorubicin in malignant cell phenotypes. Conclusions: These observations support that irisin may slow cancer progression and aid in current therapies.

Keywords: breast cancer, apoptosis, exercise, therapy
**Supervision Relationships: A review of research on supervision of counseling students in the school setting**

Chriselle Martinez, Counselor Education Program

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This poster will represent the current research in the area of counseling supervision. Particularly looking at the models and theories that have been used in the counseling supervision setting of students in a master's level CACREP accredited program in the practicum experience. This will also address the supervision portions of the ASCA Model. The research that is provided in the poster will also support a suggested research topic of a training model for supervisors of Master's level counseling students in a CACREP accredited program that are in the school setting.

*Keywords:* Counseling, Supervision, Relationships, ASCA Model

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**A Holistic Community Center founded in Bioecological Theory**

Lee Ann Ratzlaff, BA, Family Studies Program

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This poster presents an overview of a holistic community center I plan to open in Albuquerque, New Mexico within the next five years. The primary function of this center is to provide a physical location for community members to gather, engage in leisure activities, share resources and knowledge, and collectively meet their basic needs. The underlying mission of the center is to promote social justice through
community empowerment by supporting community leadership and civic engagement. Sections include: community engagement strategies; asset mapping and needs assessment; potential programming and services; role of Anchor Institutions on community development; and the importance of communication.

*Keywords:* community engagement, community empowerment, community development

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**Effect of Medium-Chain Triglyceride enriched formula versus Standard formula in enterally fed patients with Chronic Pancreatitis.**

Elle Skinner, Nutrition Program

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Chronic pancreatitis is a progressive inflammatory disorder causing irreversible damage to pancreatic exocrine and endocrine cells. When fat containing food is consumed the pancreas is stimulated to release enzymes (lipase and amalyse) to digest the fat. Enzyme secretion is decreased and the stimulation for the enzyme release causes significant pain in pancreatitis patients. Use of medium-chain triglycerides (MCT) has been suggested as absorbed in absence of pancreatic enzymes, reducing signs and symptoms of fat malabsorption and pain. Aim of the proposed study is to investigate effect MCT enteral nutrition in comparison to standard enteral nutrition on chronic pancreatitis patients outcomes.

*Keywords:* Clinical Dietetics, Nutrition, Enteral Feeding
Ethics in Supervision

Jerry Evaro, Counselor Education Program

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The impact of online modules verses traditional teaching on long term knowledge retention of nutrition and biochemical principals among undergraduate nutrition and exercise science students

Tabitha McKay, Nutrition Program

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This poster is a graduate research proposal that is currently in the data collection stage. This project will assess the efficacy of online case studies called interactive learning assessments (ILA) on student knowledge retention of biochemical and metabolic principals. Research will be done using a case study format designed to follow the nutrition care process to link learning to professional practice as a Registered Dietitian. Data collected will include pretest, posttest and delayed test answers as well as qualitative data from a comprehensive survey.

Keywords: online learning, nutrition care process, professional practice, case studies
**Investigating Mechanisms of Resilience in College Students Exposed to Familial Alcohol or Drug Use**

Meghan Jansen, Family Studies Program

David J. Atencio, Early Childhood Multicultural Education Program

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The current proposed study will examine the degree to which college students exposed to familial use of drug or alcohol differ in terms of their perceived self determination, goal formation, subjective vitality, and perceived parental support for autonomy. Prior research has failed to provide an explanation for why some college students succeed in college even though they were exposed to adverse childhood experiences. This study will help understand how inner resources may function in the formation of resiliency for such students in order for them to succeed in college.

*Keywords:* Resiliency, Adverse Childhood Experiences, Familial Alcohol or Drug Use, Self Determination

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**Elementary students’ feelings of engagement, connectedness, regulation, & perceived competence as predictive of academic achievement**

Matthew Lemberger Truelove, Counselor Education Program

James P. Selig, Educational Psychology Program

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personal and social characteristics of children in grades two, three, and four relate to academic achievement. In particular, a survey instrument was used to capture sampled students’ self-report of feelings of ongoing engagement, feelings of connectedness, self-regulation, & perceived academic competence as each might be predictive of academic achievement on a state mandated achievement test. All students sampled in the current study resided in a single rural and economically challenged southwestern school district.

Keywords: School Connectedness, Self Regulation, Perceived Competence

#710786

Correlates between Language Performance and Maternal Depression Symptoms among Children Enrolled in Head Start

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The purposes of the study are to (a) compare the language performance between Spanish-speaking and English-speaking children on the Preschool Language Scale-5 (PLS-5), and (b) examine the relationship between language scores on the PLS-5 and primary caregivers’ depression symptoms. A total of 198 children and their primary caregivers participated in the study. The PLS-5 was administered individually to each
participating child in Head Start centers in Albuquerque area. Mothers completed the Center for Epidemiologic Studies Depression Scale. Results suggest that Spanish-speaking children did not differ from English-speaking children on the PLS-5.

Goal-Orientation, Scoring accuracy, Judgments of Learning, and Perceptions of Grade Fairness Among Medical Students Using Peer-Assessment

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This study investigates the ways in which medical students’ individual characteristics affect their perceptions of learning and actual learning from an online peer-evaluation system, Calibrated Peer Review™. A structural equation model relating the factors of Achievement Goal Orientation (AGO) to students’ perceptions of grading fairness, judgments of learning, and scoring accuracy was tested. Theoretical and practical implications, in terms of the development of medical students’ critical evaluation and the development of clinical reasoning are discussed.

Keywords: achievement goal orientation, self assessment, clinical reasoning, medical education, Calibrated Peer Review™
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Information Tables

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Thank You!

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Collaborations and Connections

For your own use, here is some space for you to keep track of the connections and potential collaborations you make this evening.

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