OT professionals have a distinct role in addressing the needs of individuals with disabilities. The Windows 8 Speech Recognition system has made alternative access easier to use for individuals with disabilities. The built-in speech recognition software presents many exciting opportunities as a means of alternative computer access. In addition to increasing independence and making computer use more efficient, users of the Windows 8 Speech Recognition software are able to engage in meaningful occupations.

The Windows 8 Speech Recognition system has made alternative access easier to use for individuals with disabilities. The built-in speech recognition software presents many exciting opportunities as a means of alternative computer access. In addition to increasing independence and making computer use more efficient, users of the Windows 8 Speech Recognition software are able to engage in meaningful occupations.

S.O.S. Save Our Seats

STUDENTS: Wendy Huckins, Kristin Tyler and Karne Sewell
FACULTY: Kimberly Fahlgren, Florida State College at Jacksonville

It is estimated that 56.7 million individuals with disabilities are wheelchair bound. This growing population is at risk for developing pressure sores, which hinder occupational performance in the most basic and complex activities of daily living. Occupational therapy practitioners are equipped with new technology to assess clients and provide tools to enhance overall quality of life and promote participation in daily occupation.

Infinite Inclusion

STUDENTS: Ashley Anglin, Vicki Muncer, Patricia Wright and April Irizarry
FACULTY: Kimberly Fahlgren, Florida State College at Jacksonville

Of the 2.5 million adults on the autism spectrum in the United States, 90% are unemployed or underemployed. Unemployment negatively impacts an individual’s socioeconomic and psychosocial well-being. OTPs are uniquely qualified to analyze and modify the hiring process to better match employer needs with skills of job seekers on the autism spectrum. Our approach confronts the problem of unemployment in this population by providing solutions to employers and candidates alike.

Sensory Integration in Mental Health

STUDENTS: Tara Peplow, Shannon Jackson and Ian Gannon
FACULTY: Kimberly Fahlgren, Florida State College at Jacksonville

Researchers found that 18.1% of Americans suffer from anxiety disorders. These individuals often experience problems with sleeping. Lack of restful sleep results in lost time from work, negative socioeconomic impacts, and diminished functioning in one’s performances of daily occupations and life roles. OTPs are distinctively positioned to address these challenges by providing holistic interventions that utilize sensory strategies such as weighted blankets, sensory diets, exercise regimens, and environmental modifications.

Dining Out With Dignity

STUDENTS: Kema Roseberry, Katie Mason, Betsy Greene and Lauryn Walter
FACULTY: Kimberly Fahlgren, Florida State College at Jacksonville

In the United States, 60% of individuals live with vision impairments, often leading to social isolation and depression. Individuals with impaired vision often experience loss in social participation and leisure activities. OT professionals have a distinct role in addressing the needs of individuals with vision impairments to regain diminished social and leisure activity participation, focusing specifically on the dining-out experience.

Equal Opportunity Playgrounds: Occupational Therapy with Childhood Obesity

STUDENTS: Kevin Mooney, Ema Chiswell, Lisa McQuade and Jennifer Sanford
FACULTY: Kimberly Fahlgren, Florida State College at Jacksonville

In the United States, a staggering 16.9% of children are obese. Childhood obesity has a negative impact on a child’s ability to participate in normal childhood occupations, in particular play. Many school systems have not adapted the playground to accommodate the changing profile of America’s children. OTPs possess specialized skills in planning and designing truly

Effectiveness and Design of an Alternative Transfer Board Technology for Functional Mobility: SAFESLIDEBOARD

STUDENT: Michelle Schlesinger
FACULTY: Sandra Winkler, Nova Southeastern University-Fort Lauderdale

This study compared the effectiveness of SAFESLIDEBOARD, a transfer board integrated into the wheelchair armrest, to the traditional transfer board for four activities of daily living transfers. Overall, SAFESLIDEBOARD was more effective in the skilled nursing than specialized rehabilitation setting. Four design-related themes emerged: toilet transfer length and movability issues, need for locking and pivoting features, longer arm rest and better positioning of SSB in relation to wheel lock arm.

Burn Notice: The Importance of Occupational Therapy in Rehabilitation

STUDENTS: Jordan Powers
FACULTY: Dennis McCarthy, Nova Southeastern University-Tampa

More than 1 million Americans sustain burns each year, with 195,000 resulting in death. The purpose of this literature review is to identify the need for occupational therapy services in burn treatment and education. Burns can have a physical, psychological and social impact on people’s lives. Occupational therapists play a critical role in the rehabilitation of individuals with burn injuries.

Benefits of Service Dogs for Individuals with Disabilities: A Literature Review

STUDENTS: Nicole Kozee and Rachel Chernekoff
FACULTY: Mariana D’Amcio, Nova Southeastern University-Tampa

A literature review on the effectiveness of service dogs for veterans with disabilities in order to assist and/or improve his/her overall independence and quality of life. This will include an examination of symptom management through the use of service dogs for veterans with disabilities.

The Ability of a Smart Phone Goniometer Application for Small Joint Measurements

STUDENTS: Hannah Breitbart, Sam Miller, Dana Stumpf and Victor Munoz
FACULTY: Jacqueline Reese, Nova Southeastern University-Fort Lauderdale

This study sought to determine if DrGoniometer produced similar reliable and valid measurements in the hand joints when compared to the traditional goniometer and ascertain inter and intra rater reliability using both tools. Six novice raters measured the right Index PIP ROM of 98 participants using both instruments. DrGoniometer had strong concurrent
validity when compared to the traditional goniometer and was found to be reliable between and within raters.

**FAM-11** Assessing the Validity of the Isometric Endurance Testing Parameters for the Baltimore Therapeutic Equipment (BTE) Simulator II

**STUDENTS:** Ryan Filbert, Emma Malloy, Alexander Sather, Sarah Frederick and Shayna Stevens

**FACULTY:** Edwin Myers, Florida Gulf Coast University

This study attempts to determine whether the guidelines present in the Baltimore Therapeutic Equipment (BTE) Simulator II manual for static endurance testing, currently defaulted at 30% for maximum voluntary contraction, is a valid measure. Using the BTE Simulator II and Jamar Dynamometer, isometric grip strength endurance of 145 participants was collected. The study focused on university students, faculty, and administrators aged 18 to 40.

**FAM-12** How Does the Use of a 3-D Printed Prosthetic Hand Change Performance in ADLs and IADLs in Children and Adolescents?

**STUDENTS:** Paula Clark, Jennifer Kang, Tammy Pham, T. Grace Evasco, Kelsey O'Sullivan and Natalie Rossmiller

**FACULTY:** Jerry Coverdale, Nova Southeastern University-Fort Lauderdale

This study will examine how wearing a 3-D printed prosthetic hand impacts performance in ADLs and IADLs among children and adolescents. The methodology is a survey that will be sent to families of those who received 3-D printed hands through e-Nable, a nonprofit organization that distributes prostheses assembled by volunteers. The survey addresses the impact a 3-D prosthesis has on the occupational performance areas of feeding, grooming, dressing, and play/leisure.

**FAM-13** Evidence for a Central Disorder of Pain in PD and Its Relevance to PD Cognition

**STUDENT:** Samantha Evans

**FACULTY:** Consuelo Kreider, University of Florida

Pain is a common symptom in Parkinson’s Disease (PD) but often goes untreated due to the prominent motor symptoms present. We studied the neuroanatomical contribution to cognitive profiles of medicated non-demented individuals with idiopathic PD using the Brief Pain Inventory-Short Form to examine hypotheses regarding group differences in pain intensity versus pain disability and associated neuroanatomical and cognitive associations. PD had higher levels of pain-related disability and reduced cognitive processing.

**FAM-14** How do University Students with Learning Disabilities Advocate for Themselves Through Video Public Service Announcements?

**STUDENTS:** Enka Unger, Mary de Laosa, Nerissa Rampersad, Sharon Medina and Alexandria Kellison

**FACULTY:** Consuelo Kreider, University of Florida

Participating in academic and social settings requires students with learning disabilities (LD) to self-advocate. We conducted a content analysis of 16 self-advocacy videos produced by 12 university students with LD. Videos were independently coded by five researchers with coding consensus achieved every four videos. In the majority of videos, students identified salient occupations, roles, and diagnostically related symptoms. Understanding salient aspects of LD is central to a client-centered approach.

**FAM-15** How Research Focused on Respiratory Dysfunction May Influence Meaningful Occupations

**STUDENTS:** Nicole Tester

**FACULTY:** Joanne Foss, University of Florida

Respiratory dysfunction can profoundly influence a wide variety of daily activities and physical well-being. Intermittent hypoxia (IH) represents a novel rehabilitative strategy to target respiratory function. We are the first laboratory to report evidence suggesting exposure to intermittent hypoxia may induce respiratory neuroplasticity following damage to the human spinal cord. Importantly, preliminary evidence also demonstrates the indirect impact this therapy may have on occupational performance and quality of life.

**FAM-16** A Comparison of the Disabilities of the Arm, Shoulder, and Hand Outcome Measure (DASH) and the Michigan Hand Outcomes Questionnaire (MHQ) in External Responsiveness Over Time

**STUDENTS:** Rebecca Giallella, Katherine Warren, Jami McCall, and Alayna Stitely

**FACULTY:** Denise Allen, Florida Gulf Coast University

A descriptive, methodological study designed to determine if the Disabilities of the Arm, Shoulder, and Hand Outcome Measure or the Michigan Hand Outcomes Questionnaire is more externally responsive to change over time, when compared to a measure of quality of life. Clients aged 18 to 75 were provided with the three assessments at their initial visit and two months later. The hypothesis was that the MHQ would be more externally responsive.

**FAM-17** Occupational Therapy’s Re-Emergence in Community-Based Mental Health Services

**STUDENTS:** Bryce Carsone and Nicole Bellare

**FACULTY:** Mirtha Whaley, Nova Southeastern University-Tampa

Occupational therapy’s role in mental health services is experiencing a resurgence. This poster enhances understanding of occupational therapy’s role in community-based services for individuals with severe and persistent mental illness (SPMI), describes the benefits of client-centered and occupation-based intervention for individuals with SPMI, and articulates the opportunities for occupational therapists to re-establish a presence in community-based mental health services.

**FAM-18** Nerve and Tendon Gliding Exercises Conservatively Reduce Symptoms in Patients with Carpal Tunnel Syndrome

**STUDENTS:** Chelsea Morton, and Caroline Mikael

**FACULTY:** Sergio Romero, University of Florida

Carpal Tunnel Syndrome is a common hand injury caused by entrapment of the median nerve in the carpal tunnel of the wrist. Nerve and tendon gliding exercises are often included as part of a conservative treatment approach along with splinting and local steroid injections. This literature search revealed that the exercises had clinical usefulness such as symptom reduction only when combined with other standard therapies.

**FAM-19** Implementing Ergonomic and Heavy Lifting Strategies for Workers in Local Food Bank

**STUDENTS:** Emily Mattby, Rachel Bengtson, Courtney Maines, Kalie Whitehead and Brooklyn Young

**FACULTY:** Sandra Winter, University of Florida

Proper body mechanics are vital when completing heavy lifting or repetitive activities. Our community-based health promotion project incorporated an educational session with supplemental materials (e.g., pamphlet and poster) to guide food bank staff and volunteers on safe and effective body mechanics while organizing and lifting food. One
objective is to prevent repetitive stress injuries and/or back injuries among this population.

FRIDAY 3:30-5:30 UNIVERSAL BALLROOM A
STUDENT POSTER SESSION II

FPM-1 Leveling Up: Video Games in Occupational Therapy Treatment of Post Traumatic Stress Disorder
STUDENTS: Michel Moninger, Leah Crooks, Nikki Reichenbach and Megan Jefferson
FACULTY: Brent Cheyne, State College of Florida, Manatee-Sarasota

Nearly 8% of Americans experience Post Traumatic Stress Disorder. Incidence among people in war zones jumps to 30%. Still, veterans only account for 6% of PTSD patients in America. Emerging research shows promise in the use of virtual reality and video games to progress through this disorder. Our poster will educate the audience on the benefits of virtual reality within this population and under-serviced populations and how occupational therapy can utilize this technology.

FPM-2 Relearning the ABCs: Adapting, Balancing, and Coping Through Occupational Therapy - The Primary Caregiver's Journey Through Life with a Child Who Has Special Needs
STUDENTS: Stephanie Young, Viktoriya Solovyeva and Jessica Robertson
FACULTY: Brent Cheyne, State College of Florida, Manatee-Sarasota

The Survey of Children with Special Health Care Needs (2009-2010) estimates that 14% of children in the U.S. have special needs. Additionally, 12% of their primary caregivers require mental healthcare to cope with the increased demands. Occupational therapists educate individuals to engage in healthy occupations for mental well-being. Our poster will provide an overview of the role occupational therapy plays in mental health with primary caregivers of special needs children.

FPM-3 Animal Assisted Therapy: Effects on Stress Induced Changes in Blood Pressure
STUDENTS: Luis Johnston and Brianna McConnell
FACULTY: Nicole Scheiman, Adventist University of Health Sciences

Advances in communication and technology have made it possible for people to come across many leisure activities for relaxation. With many options available it is difficult to know which leisure activity is more beneficial in lowering stress-induced blood pressure and heart rate. The goal of this experiment is to determine if other leisure activities are more efficient in lowering stress-induced blood pressure and heart rate, versus animal assisted therapy (AAT).

FPM-4 Caring for Those Who Care: Occupational Therapy for Caregivers of Dementia Patients
STUDENTS: Rebecca Milner, Cameron Reinert and Natalia Martinez
FACULTY: Brent Cheyne, State College of Florida, Manatee-Sarasota

In America, 14.9 million adults provide care to dementia patients. A caregiver can be anyone, a spouse, a child, a relative, or a family friend. Caregivers of patients with Dementia suffer severely every day in many aspects of their lives. This poster will show how occupational therapy services can vastly improve both quality of life of the caregivers and those around them through engagement in activities to regain function in everyday life.

FPM-5 Fall Prevention Programs that Reduce Falls in Community-Living Older Adults
STUDENTS: Robert Armstrong and Stephen Tolson
FACULTY: Sandra Winter, University of Florida

Falls are the leading cause of death and disability in people 65 and older. This project focused on studies that investigated multiple forms of fall prevention programs and their effectiveness in community dwelling elderly people (age 65 and older). Our review found that multifaceted fall prevention programs that include strength training and adaptive equipment are effective in reducing the incidence of falls in community living older adults.

FPM-6 The Effect of Social Skills Training on Patients with Schizophrenia to Improve Social Functioning and Daily Living Skills
STUDENTS: McDaniel and Courtney Brady
FACULTY: Sergio Romero, University of Florida

We examined how Social Skills Training (SST) impacts the social and communication skills of people with schizophrenia, which affects functioning in everyday life. We reviewed four articles that used similar SST interventions on people with schizophrenia, and found that it was an effective intervention strategy to promote community and social participation. Occupational therapy could use SST as an intervention in the mental health domain.

FPM-7 Increasing Social Participation for Individuals with Developmental Disabilities through the Arts
STUDENTS: Rachel Pienta, Crystal Reardon, Tracy Ogilvie, Daniela Jaramillo and Chelsea Morton
FACULTY: Sandra Winter, University of Florida

As part of a health promotion and wellness project we are collaborating with a community residential facility, that serves adults with developmental disabilities. Engaging in meaningful activity is a key goal. Working with the facility staff, we will plan and conduct a series of group art activities addressing residents well being, social participation, and physical activity levels. Through this project, MOT students will gain group leadership, professional communication, and collaboration skills.

FPM-8 Amsler Grid Applications: Should I Recommend Them?
STUDENTS: Cheryl Mae Granada, Jessica Lopez and Tasha Henry
FACULTY: Rick Davenport, Nova Southeastern University-Tampa

With the availability of new tools (e.g. iPad/Android low vision applications) comes responsibility of a practitioner to be knowledgeable about the research and apply the new tool appropriately. While the current gold-standard screening tool is the paper version of the Amsler grid, research involving electronic versions remains in preliminary stages. This poster will present findings from literature, analysis of online feedback, and student evaluations of electronic Amsler grids.

FPM-9 Health and Wellness Promotion for At-Risk Youth
STUDENTS: Jessica Palaschak, Anisha Mehrotra, Tori Galatas and Jet Castor
FACULTY: Sandra Winter, University of Florida

There are approximately 45,000 homeless youth in America, some of whom have been victim to physical, sexual and/or emotional abuse from parents/guardians. The CDS shelter of Alachua County provides emergency aid to such individuals. In collaboration with CDS, we aim to use educational and interactive activities to promote robust views on safety and wellness issues, such as internet safety and nutrition that present considerate risk factors for this population.
FPM-10  Lichen Sclerosus: Patients Perception of Quality of Life & Occupation  
STUDENTS: Atkinson, Jenny Adoux and Bianca Dunn  
FACULTY: Barbara Kornblau, Florida Agricultural & Mechanical University  
This qualitative study explored patient perspectives of quality of life and occupations of women with Lichen Sclerosus (LS), through an online survey of open-ended questions. Participants were recruited from closed, online, Facebook Support Groups. No identifiable information was collected. Qualitative data will be analyzed using content analysis, until saturation is reached. Multiple researchers and data collection from multiple sources will ensure rigor, trustworthiness, and triangulation.

FPM-11  Fibromyalgia: Patients’ Perspectives of Quality of Life and Occupation  
STUDENTS: Meredith Sullivan, Shari Roddenberry and Erica Smith  
FACULTY: Barbara Kornblau, Florida Agricultural & Mechanical University  
This qualitative study explored patients’ perspectives of quality of life and occupations of people with fibromyalgia, through an online survey of open-ended questions using Survey Monkey. Participants were solicited from closed Facebook communities. Qualitative data was analyzed using content analysis until saturation was reached. Multiple researchers and data collection from multiple sources ensured rigor, trustworthiness, and triangulation. Themes related to quality of life will be presented.

FPM-12  Arthritis: Patients’ Perspectives of Quality of Life and Occupation  
STUDENTS: Dera Gaston, Mikale Williams and Denise Morgan  
FACULTY: Barbara Kornblau, Florida Agricultural & Mechanical University  
This qualitative study explored patients’ perspectives of quality of life and occupations of people with arthritis, through an online survey of open-ended questions using Survey Monkey. Participants were solicited from closed online Facebook communities. Qualitative data will be analyzed using content analysis, until saturation is reached. Multiple researchers and data collection from multiple sources will ensure rigor, trustworthiness, and triangulation.

FPM-13  Graves’ Disease: Patient’s Perspectives of Quality of Life & Occupation  
STUDENTS: Caroline Gallin, Zenia George and Kaira Bowens  
FACULTY: Barbara Kornblau, Florida Agricultural & Mechanical University  
This qualitative study explored patient perspectives on quality of life and occupations of people with Graves’ disease. This study was completed through an online survey of open-ended questions. Participants were recruited via multiple closed Facebook community support groups, and will be kept anonymous. Qualitative data will be analyzed using content analysis, until saturation is reached. Multiple researchers and data collection from multiple sources will ensure rigor, trustworthiness, and triangulation.

FPM-14  Measuring Hand Proprioception: Development of a New Technique  
STUDENT: Karl Kurtz  
FACULTY: Jaclyn Schwartz, Florida International University  
Clinicians currently do not have access to reliable, valid, quick and easy to use diagnostic tools to evaluate hand proprioception. This poster outlines the development of a novel diagnostic method that applies psychometric adaptive staircase procedures to hand proprioception in a simple tablet. The adaptive staircase method may be valuable to clinicians when more precise measurement of hand proprioception is needed.

FPM-15  Normative Data Collection for Spital’s 21-Piece Challenge  
STUDENTS: Cherish Scott, Dierdre Lee and Jonkyra Jones  
FACULTY: Debora Oliveira, Florida Agricultural and Mechanical University  
Spital’s 21-Piece challenge is an instrument that assesses cognitive, visual, fine motor, and gross motor skills of adults and children. Researchers gave 150 healthy adult participants instructions to complete the assessment, documented verbal and physical cues, and recorded time of completion. Data collected provided baseline normative data for the healthy adult population and evaluated the ease of administration.

FPM-16  Medullary Sponge Kidney: Patients’ Perspectives of Quality of Life and Occupation  
STUDENTS: Jessica Leer, Olivia Ehrlich and Jeremy Klimek  
FACULTY: Barbara Kornblau, Florida Agricultural & Mechanical University  
This qualitative study explores patient perspectives of quality of life and occupations of people with Medullary Sponge Kidney, through an online survey of open-ended questions using Survey Monkey. Participants will be solicited from multiple online Facebook communities. No identifiable information or IP addresses are collected. Qualitative data will be analyzed using content analysis, until saturation is reached. Researchers and data collection from multiple sources will ensure rigor, trustworthiness, and triangulation.

FPM-17  Measuring Quality of Life in Patients with Graves’ Disease in the United Stated the Using ThyPRO Quality of Life Questionnaire  
STUDENTS: Harmon, Starla Williams and Danelle Baker  
FACULTY: Debora Oliveira, Florida Agricultural and Mechanical University  
This quantitative survey study examined the quality of life of people with Graves’ disease. The study used the ThyPRO quality of life survey for people with thyroid disorders. The sample population was an online support group for people with Graves’ disease. The data was analyzed to determine a correlation between Graves’ disease and quality of life.

FPM-18  Quality of Life Comparison Between Men and Women 60 and Older in Independent Living Facilities  
STUDENTS: Sakheena Williams, Smita Patel and Victoria Payne  
FACULTY: Debora Oliveira, Florida Agricultural and Mechanical University  
This quantitative study explores perceptions of quality of life in the aging process in adults 60 and older, using the Quality of Life Index (QLI). The purpose of this study is to assess whether there is a difference between men and women rating their quality of life. The data collected from this study is analyzed using an analysis of variance.

FPM-19  Chronic Pain, Patient Engagement: Patient Reported Outcomes and Quality of Life  
STUDENTS: Amanda Mahoney, Jonathon Greene and Justin Campbell  
FACULTY: Barbara Kornblau, Florida Agricultural & Mechanical University  
This qualitative study explores patients’ perspectives of quality of life and occupations of people who live with chronic pain, through an online survey of open-ended questions. Participants were solicited from Facebook communities as well as place with the assistance of the
The purpose of this study is to describe how novel university program FACULTY: Tori Galatas STUDENTS: Tori Galatas FACULTY: Lucia Notterpek, University of Florida It is unclear if animal models represent human disorders in a way that can provide essential information for evidence-based practice in occupational therapy. Widespread demyelination due to Charcot-Marie-Tooth disease leads to distal muscle weakness and atrophy. A cohort of mice was evaluated for gait, neuromuscular function and skeletal muscle function. Observations reflect the presentation of human patients exhibiting difficulties in ambulation and activities of daily living.

S2 What’s In It for Me?: Defining the Benefits of Being a Volunteer Clinician at a Student-Run Free Clinic STUDENT: Jerelyne Idica FACULTY: Linda Struckmeyer, University of Florida Pain is a common symptom in Parkinson’s Disease (PD) but often goes untreated due to the prominent motor symptoms present. We studied the neuroanatomical contribution to cognitive profiles of medicated non-demented individuals with idiopathic PD using the Brief Pain Inventory-Short Form to examine hypotheses regarding group differences in pain intensity versus pain disability and associated neuroanatomical and cognitive associations. PD had higher levels of pain-related disability and reduced cognitive processing.

S3 Spirituality in Occupational Therapy Practice STUDENTS: Lindsey Kelly, Stacey Knowlton and Ashley Stern FACULTY: Belkis Landa-Gonzalez, Barry University This poster session will present an educational program designed to facilitate the knowledge and comfort level that practitioners may need to integrate spirituality as an important aspect of client centered occupational therapy practice. We examine the founding concepts of spirituality, discuss the general physical and mental benefits of spirituality and disseminate a resource for occupational therapy practitioners to effectively implement spirituality as part of client centered assessment and intervention.

S4 Reaching Out to Those in Need STUDENTS: Erik Magnuson and Wilisie Loudor FACULTY: Nicole Scheiman, Adventist University of Health Sciences This study will help to bring the needs of the underserved communities in Central Florida into focus with the future potential to connect those needs with the members of the health care professions, specifically those in the field of occupational therapy. This study will also look at methodologies and practices that may be put into place by the health care professionals in an effort to assist those underserved communities.

S6 Effectiveness of an Ergonomics Training Resource on Safety Behaviors of Entry Level Occupational Therapists STUDENTS: Daniel Abou, Alex Lebon and Ronnie Atkins FACULTY: Belkis Landa-Gonzalez, Barry University This poster session will present an ergonomics training resource designed to improve the safety behaviors and knowledge of ergonomic principles of entry level occupational therapists working in a variety of settings. We discuss the ergonomic principles and risk factors associated with occupational therapy practice and disseminate a resource for entry-level occupational therapy professionals to effectively implement ergonomics as part of their daily job demands.

S7 The Final Cut: Occupational Therapy Interventions for Adolescence Who Self-harm STUDENTS: Jacquelyn Sosa, Bruce Pickett and Tiffany Young FACULTY: Amanda Kotolski, State College of Florida, Manatee-Sarasota The National Institute of Mental Health states, “In 2013, an estimated 2.6 million adolescents aged 12 to 17 in the U.S. had at least one major depressive episode in the past year.” Occupational therapists can focus on helping individuals through purposeful and meaningful activities. Our poster will provide an overview of non-suicidal self-injury (NSSI), illustrate coping skills to decrease self-harm behaviors, and discuss how the cognitive behavior theory is used in the intervention process of occupational therapy.

S8 A Happy Worker Is a Productive Worker: How Occupational Therapy Can Help STUDENTS: Christopher Martinez, Kimberly Mathis and Abu Rajan FACULTY: Amanda Kotolski, State College of Florida, Manatee-Sarasota According to the Occupational Safety and Health Administration (OSHA), nearly 2 million American workers report having been victims of workplace violence each year. Through education and awareness, coping strategies, and recovery programs, the field of occupational therapy can help all levels of management and employees in the workplace. OT can expand the practice of wellness and psychosocial behaviors making the workplace a safer place.

S9 Assessing Fine Motor Coordination in Children Using a Tablet Device: A Study on Concurrent Validity Between the Prosense, a Computer Tablet Program and the Beery-Buktenica Developmental Test of Visual Motor Integration STUDENTS: Kelly Walsh, Mara Rosen, Kim Yetman and Monica Hodge FACULTY: Gustavo Reinoso, Nova Southeastern University-Tampa Our study aims to investigate if the computer tablet program Prosense yields similar results when compared to the Beery-Buktenica Developmental Test of Visual Motor Integration in 5-year-old children. Paper and pencil assessments rely on the subjective judgment of the administrator. A tablet may capture aspects of motor performance that paper and pencil tests may not and eliminate potential bias.
S-10  Happy Hour: How Occupational Therapy Can Bring Awareness to Substance Abuse Among the Elderly
STUDENTS: Holly Dillon, Michael Falzone and Jean Field
FACULTY: Amanda Kotolski, State College of Florida, Manatee-Sarasota
Of the 35 million adults in America, age 65 or older, 17% suffer from substance abuse. Known as the invisible epidemic, this disorder, if untreated, can increase the risk of suicide and isolation. Our poster will teach the audience about the physiological and psychosocial causes and effects of substance abuse in elderly adults as well as illustrate how an occupational therapy practitioner can apply interventions to treat the patient and prevent relapse.

S-11  Playful Me! Play Participation and Parent Competence with Children of Varying Abilities: A Quasi-Experimental Design
STUDENTS: Kristin Hubbell, Kristine Carter, Amanda Biebe, Angelo Amoresano and Megan Johnston
FACULTY: Sarah Fabrizi, Florida Gulf Coast University
The purpose of this study was to describe the child/caregiver outcomes after participation in an inclusive community playgroup led by an OTR/OT graduate student. The playgroup included children of varying abilities, ages eighteen months to five years, and their caregiver. Data was collected through a pre-test/post-test repeated measures design. The implications of this research will provide video information on the role of the OT in health promotion and early childhood.

S-12  The Viability of Travel Training as an Intervention to Promote Community Mobility in Older Adults Through Public Transit Use
STUDENTS: Lee Meach, Brittany Whitworth and Tara Johnson
FACULTY: Dennis McCarthy, Nova Southeastern University-Tampa
This poster will discuss the creation and implementation of our ongoing research project which is examining the use of a client-centered domain-specific travel training program as an intervention to promote greater confidence in using public transit and more frequent travel to desired locations for adults 65 and older in the Hillsborough County area.

S-13  Reaching the Community Through the Use of 3-D Printed Prosthetic Hands
STUDENTS: Emma Heaton, Hannah Taylor, Cassidy Langford, Megan White and Samantha Evans
FACULTY: Sandra Winter, University of Florida
This community outreach aims to spread awareness of the benefits of 3-D printed prosthetic hands for individuals with upper limb differences. Objectives are centered on service/promotional activities to address psychosocial aspects while improving self-efficacy, increasing functional use of limb(s) for daily participation, and educating the community about the availability and feasibility of 3-D prostheses. Future implications are to increase use of 3-D printers for assistive devices in other health settings.

S-14  Using Musical Interventions to Increase Emotional Well-being in Persons with Dementia
STUDENTS: Daniela Jaramillo
FACULTY: Sergio Romero, University of Florida
Music has been researched for its beneficial effects on the emotional well-being of persons with dementia with promising results. This review provides highlights of recent findings about the positive effects of musical interventions. Music significantly increased emotional state and quality of life scores short-term. The accessibility of music makes it a prime tool for interventions since music activates cognitive and emotional skills necessary for the successful completion of tasks.

S-15  The Very Playful Playgroup
STUDENTS: Allyson Nessmith, Nicole Sronatti and Emily Niewold
FACULTY: Sarah Fabrizi, Florida Gulf Coast University
This study explores the impact of occupational therapy implementation services in existing playgroups of children age 18 to 36 months and their caregivers. Data collection includes a playgroup provider questionnaire and pre-test/post-test measures with a six-week control and follow-up. Our measures evaluate provider confidence, parenting competence, child playfulness, and child participation. This research will provide information on the role of occupational therapy services in existing playgroups in the community.

S-16  Recovery and Community Involvement
STUDENTS: Holly Daniels, B. Kerbe Jones, Kyla Burnette, Darchelle Dean and Taylor Ray Graesse
FACULTY: Lynn Jaffe, Florida Gulf Coast University
This qualitative study analyzed elements needed to positively support recovery, health, and well-being in individuals living in permanent supportive housing. Findings purportedly will ensure decreased relapse, higher community involvement, and overall life satisfaction within residents of recovery communities.

S-17  Persuasive Activity Monitoring Technology and Older Adults
STUDENTS: Jennifer Bolay, Melissa Harden and Lisbet Montero
FACULTY: Rick Davenport, Nova Southeastern University-Tampa
AOTA has identified long-term physical exercise as a priority Productive Aging research area. One emerging technology (e.g. activity monitoring) may potentially assist older adults in maintaining recommended physical activity levels. While activity-monitoring technologies have been adopted by the mainstream population, it is important to evaluate adoption of this monitoring technology from an older adult perspective. This poster will present the literature findings including: usability, accuracy, and user experiences.

S-18  Updating the International Symbol of Access: A Social Representation Perspective
STUDENTS: Megan Dadez, Nikita Mathew and Jaslin Parhar
FACULTY: Rick Davenport, Nova Southeastern University-Tampa
Visual images have the ability to persuade thoughts, while also impacting self-identification. One of the most recognizable symbols for accessibility today is the International Symbol of Access (ISA) that can be seen to demarcate accessible parking spaces/public lavatories. However, recently a few organizations have adopted a modified ISA symbol. Our research seeks to understand from the perspective of individuals with disabilities the social representations of the ISA and the modified ISA symbol.

S-19  How Music Interacts With the Brain to Solicit Positive Effects on Biological Systems
STUDENTS: Lydia Fritzscbe and Tasha Henry
FACULTY: Rick Davenport, Nova Southeastern University-Tampa
While studies reveal confounding effects of music on human biological systems such as autonomic responses, research is under way to determine how music impacts the brain’s emotional systems and solicits behavioral changes. In addition, researchers continue to explore the rehabilitative effects of music on minimally responsive or unresponsive individuals. This poster will present literature findings on how music has been shown to potentially interact with brain systems to elicit therapeutic responses.