

## Poster Sessions and Receptions (Evening and Breakfast)

Ballroom C, Modern Honolulu Conference Center

### **Advocacy, Policies & Research: Moving Forward**

**1. *Developing a Research Arm within an Intellectual and Developmental Disabilities Service Provider Agency*, Britteny Howell**

This poster demonstrates how and why Hope Community Resources, Inc. developed a research arm within its non-profit IDD service provider agency in Anchorage, Alaska. The poster presenter will share compelling reasons for building a culture of research, and tips for agency professionals interested in embarking upon their own research initiatives.

Monday, 4:30 pm - 6:00 pm

**2. *Traumatic Brain Injury (TBI) Screening and Referral*, Russell Spearman**

Traumatic Brain Injury is a leading cause of death and disability in the United States. However, because there may be no visible signs of injury, TBI's are frequently unreported or misdiagnosed. The poster presenter conducted a series of brain injury screenings that identified individuals with potential brain injuries.

Monday, 4:30 pm - 6:00 pm

**3. *Patient Empowerment: A Qualitative Systematic Review of Studies from 10 Countries*, Joy Agner**

People with chronic illness or disability tend to have frequent involvement with the healthcare system which places them in a historically disempowering "patient" role. This poster examines how patients themselves define empowerment, and critiques past patient empowerment research which emphasizes individual responsibility. Also discussed are implications for practice, research and self-advocacy.

Monday, 4:30 pm - 6:00 pm

**4. *Navigating Accommodation and Accessibility Challenges while Pursuing a Graduate Degree in STEM*, Vincent Martin & Synge Tyson**

The number of students with a disability pursuing a graduate degree in STEM significantly drops compared to peers without a disability. The poster presenters examine key factors related to accommodations, assistive technology and inclusive environments that a student with a disability should consider when deciding to pursue a graduate STEM degree.

Monday, 4:30 pm - 6:00 pm

**5. *Future Planning: Working Together to Create a Roadmap of Our Wishes and Our Futures*, Lynne Tomasa**

Planning for the future involves difficult but necessary conversations among persons with Intellectual and developmental disabilities (IDD), families, and support networks. The research

project presented in this poster examined the planning process, interactions among systems, and quality of life perspectives. Strategies to facilitate the planning process through teamwork are identified.

Tuesday, 7:45am - 9:00 am

## Beginnings

### **6. *Neurodevelopmental Outcomes of Extremely Preterm Infants at Three-Years of Age*, Eileen McGrath**

Morbidities for ELBW infants often include respiratory illnesses, feeding problems, failure to thrive, anemia and neurodevelopmental disabilities. Developmental follow-up clinics provide an important resource for optimizing care by identification of neurodevelopmental status, deviations of growth and behavior. This poster examines outcomes of surviving premature neonates at three years of age.

Tuesday, 7:45am - 9:00 am

### **7. *Support for Children Returning to School in Japan after Traumatic Brain Injury*, Wakana Nakazawa**

In most cases, children with traumatic brain injury are returning to school after treatment. This poster examines a study of the outcomes that occur when children return to the classroom after treatment for traumatic brain injury.

Tuesday, 7:45am - 9:00 am

### **8. *Maternal Love on the Brain*, Madoka Noriuchi**

Maternal love is essential for mother-infant bonding. The poster presenter examined maternal brain activation in response to infant cues using fMRI. The mothers showed brain activation including orbitofrontal cortex, striatum, anterior insula, and periaqueductal gray. Based on these findings, the presenter proposes a model of maternal love.

Monday, 4:30 pm - 6:00 pm

## Breaking Stigma

### **9. *Stigma and identity Development: Narratives of Students with Learning Disabilities*, Bryan Thornton**

The poster presenter conducted in-depth interviews with five adults with nonvisible disabilities (LD, ADD, autism) in order to explore their educational histories, leading up to and including experiences with postsecondary education. All participants described experiences of discrimination and/or micro aggressions. Emerging from the data are interrelated themes of stigma, self-advocacy, and positive identity development.

Monday, 4:30 pm - 6:00 pm

**10. Exploring the Barriers to Accessing Perinatal Health Care Services for Women with Spina Bifida in Ontario: a Needs Assessment, Anne Berndl**

Women with spina bifida require timely access to comprehensive perinatal healthcare services to optimize pregnancy outcomes. This mixed methods research study identifies barriers to accessing care and seeks to develop informed and multidisciplinary resources for those providing care to women with spina bifida in Ontario, Canada.

Monday, 4:30 pm - 6:00 pm

## **Disability Studies: Cultivating Critical Narrative Consciousness**

**11. No Room for Ego: Sign Language and Interpreting Is for Equity Not Entertainment, Octavian Robinson**

Sign language interpreting has been rendered a form of entertainment. This has led to the spectacularization of sign language interpreting, creating a detrimental impact on deaf people and sign language interpreters. To address this problem, the poster presenter proposes the cultivation of a critical deaf epistemology through a social justice framework.

Monday, 4:30 pm - 6:00 pm

**12. Dreams of the Separated: Aspirations of Middle School Students with Emotional Disturbances in a Separated School, Warren Whitaker**

This research study utilized a disability studies in education approach to examine the perceptions of emotionally disturbed students at a specialized school. Findings indicated students have postsecondary educational and employment aspirations. The study also suggested that students believed that their school supported behavioral development, but neglected academic development, and failed to promote self-determination skill development.

Tuesday, 7:45am - 9:00 am

## **Diversity**

**13. Being Queer and Disabled: Voices of the Hidden, James Ingram**

There is a reluctance to discuss sex and gender within the context of special education. Often the assumption is that individuals with disabilities are asexual. In this poster presentation, dialogue of individuals who self-identify as queer and disabled is examined to expose their feelings about sex, gender identity, and disability.

Tuesday, 7:45am - 9:00 am

**14. Disability Status and Perceptions of Psychological Needs, Life Satisfaction, and Time Perspective, John Nezlek & Marzena Cyprianska**

The poster presenters compared self-evaluations of people with a disability with how they were perceived by those without a disability. According to their findings, people without a disability

underestimated the strength of the psychological needs of people with a disability, perhaps implying a basis for dehumanizing people with a disability or denying them access to resources.

Tuesday, 7:45am - 9:00 am

**15. Pacific Basin University Center on Excellence in Developmental Disabilities, Kiriko Takahashi, Floyd Masga & Tafaimamao Tua-Tupuola**

Pacific Basin University Center on Excellence in Developmental Disabilities (PBUCE) is one of the 67 UCEDDs in the US states and territories. The purpose of the PBUCE project is to support, enhance and improve the quality of life of persons with intellectual and developmental disabilities. This poster will highlight the works of the past 5-year activities conducted by PBUCE in American Samoa and the Commonwealth of the Northern Mariana Islands.

Tuesday, 7:45 am – 9:00 am

## Employment

**16. Qualitative Research on the Concept of Self-understanding in Vocational Rehabilitation for Clients with Psychiatric Disabilities, Kazuaki Maebara & Jun Yaeda**

This poster presents a study which examined the practical concepts of self-understanding of individuals with psychiatric disabilities in Japan. After reviewing 551 related articles, the poster presenters conducted focus group interviews with six vocational rehabilitation counselors. Results yielded five practical concepts of self-understanding. Discussed here are implications, including the client's rights and client-centered vocational rehabilitation.

Tuesday, 7:45am - 9:00 am

## Illuminations: Growing Old with Dignity

**17. Characteristics of Elderly People in Japan with Intellectual Disabilities who Continue to Live Alone, Satomi Yamamoto & Atsushi Ozawa**

Aging is a major problem in the field of people with disabilities. What is the actual condition of older persons with intellectual disabilities living alone in Japan, where aging is also advanced? The poster presenters analyzed characteristics and factors that can sustain aging people living alone.

Monday, 4:30 pm - 6:00 pm

**18. Development of a Check List of Activities of Daily Living: Easy Evaluation Tools for Non-Health Workers, Yosuke Kimura**

Activities of daily living (ADL) decline with the progress of care level. It is important to develop tools that allow non-health workers such as families and home caregivers to properly evaluate ADL's. The poster presenter developed an ADL checklist, which includes simple yes/no questions.

Monday, 4:30 pm - 6:00 pm

**19. Community Circles: Activating Relationship Networks with Older People, Mary Beth Lepkowsky**

This poster looks at contributions from people and organizations, who have been developing Community Circles, a fresh approach to leveraging personal relationship networks to support older people to achieve personal outcomes and reduce social isolation. As discussed by the poster presenter, this is a sustainable way to support each other well in local communities.

Tuesday, 7:45am - 9:00 am

## **K-12 Education for All**

**20. Learning Together by Deaf and Hearing Pupils in a Japanese Primary School, Takashi Torigoe**

This poster presenter conducted a three-year project, implementing sign language instruction in a primary school with self-contained classes for deaf pupils. The project involved sign language instruction for deaf and hearing pupils, and teachers, as well as sign language interpretation in the regular classrooms. Discussed are the implications for inclusive education for deaf pupils.

**Monday, 4:30 pm - 6:00 pm**

**21. A Meta-Analysis Examining the Effectiveness of Interventions Used to Increase Student Contributions during Individualized Education Meetings, Kelli Sanderson**

The poster presenter conducted a meta-analysis to examine the effectiveness of interventions used to increase the quantity of verbal contributions made by middle and high school students with disabilities during IEP meetings. Results indicate that students who participated in interventions made significantly more verbal contributions during IEP meetings ( $g = 1.35$ , confidence interval [CI] = 0.70 to 2.00,  $p < .0001$ ).

Monday, 4:30 pm - 6:00 pm

**22. The Application of Universal Design Learning in Korea Inclusive Education, Yong-Wook Kim**

This poster presents the effect of UDL on academic achievements. According to the presenter's findings, Universal Design for Learning (UDL) can provide equal access and opportunities with methods appropriate for disabled students in inclusive settings. UDL has been one of the important issues in Korea since 2000, because of its theoretical attractions and significance.

Monday, 4:30 pm - 6:00 pm

**23. STEM<sup>2</sup> Research and Development Group, Kaveh Abhari & Justin Toyofuku**

Inclusive STEM education is critical to economic growth and national competitiveness. As the poster presenters demonstrate, STEM<sup>2</sup> R&D group has developed a set of contextual PBL strategies aimed at transforming instructional practice to broaden participation and achievement of students underrepresented in STEM programs.

Monday, 4:30 pm - 6:00 pm

**24. SBI for Culturally and Linguistically Diverse Students with Emotional Disabilities,**  
*Susan Stoddard & Claudia Rodas*

Culturally and linguistically diverse (CLD) students with emotional disabilities (ED) in secondary math classes struggle to be successful. This poster looks at the implementation of SBI in a resource secondary classroom with CLD students with ED.

Monday, 4:30 pm - 6:00 pm

**25. The Schoolwide Expectations Survey for Specific Settings: Designing Comprehensive, Integrated, Three-Tiered Models at K-12,** *David Royer*

School leadership teams can use the Schoolwide Expectations Survey for Specific Settings (SESS) to construct expectation matrices, a critical component of tiered systems for meeting students' multiple needs with input from ALL staff. This poster illustrates expectation matrix construction from SESS data with behaviors likely to be reinforced by staff.

Monday, 4:30 pm - 6:00 pm

**26. Examining the Effect of a Multi-Sensory Course on Teachers' Classroom Practices,**  
*Rene Rotondo*

This poster presents research which was conducted in order to better assess what impact an interactive, graduate-level course titled, "Teaching All Students: A Multi-Sensory Approach to Learning," would have on the teaching practices of elementary school educators and consequently on student learning outcomes.

Tuesday, 7:45am - 9:00 am

**27. Literacy through Digital Media: Hands-on, Minds-on Demonstration of Animation on IPADS,** *Laurie Kahiapo, Dalen Kahiapo & Sara Ka'imipono Banks*

The overarching goal of the Native Hawaiian Education grant -Literacy Through Digital Media project is to improve students' cultural identity and literacy through the integration of stories from kupuna (elders). The project will build on a social learning theory that states that behavior is learned from the environment through the process of observational learning that occurs through storytelling both in traditional ways and through multi-media. Storytelling is a Native Hawaiian cultural-practice with significant evidence to support its effectiveness when used for learning.

Tuesday, 7:45 am – 9:00 am

**28. Assistive Device Needs/ Postgraduation Plans of Primary 6 Pupils with Visual Impairment in a Special Education Centre in Nigeria,** *Ebele Okoli*

This is a descriptive cross-sectional study of graduating pupils with visual impairment in a special education primary school in Nigeria to determine their assistive device requirements and post primary school plans and aspirations. Results pertain to seven children in the class, aged 16 - 20 years. Assistive devices included talking phones/ watches.

Tuesday, 7:45 am – 9:00 am

## Law, Disability and Society

### ***29. Parenting with Intellectual Disabilities in Washington State, Sharan Brown***

This poster presents a study which investigated experiences of parents with I/DD, who are involved with Child Protective Services within the first year of their child's birth. Also included is an analysis of the National Data Archive on Child Abuse and Neglect.

Monday, 4:30 pm - 6:00 pm

### ***30. Actual Status on Case Management for Persons with Disabilities, Atsushi Ozawa***

The poster presenter discusses two points with the aim of raising an understanding of the present condition of case management for persons with disabilities in Japan. The first point is the actual status of case management. The second point is actual status of the training of case managers for persons with disabilities.

Tuesday, 7:45am - 9:00 am

## Living Well

### ***31. Telerehabilitation for Combat Wounded with Traumatic Brain Injury (TBI) and Post Traumatic Stress Disorders (PTSD), Kris Siddharthan***

The poster presenter evaluated telerehabilitation for combat wounded veterans with Traumatic Brain Injury (TBI) and Post-Traumatic Stress Disorders (PTSD).

Monday, 4:30 pm - 6:00 pm

### ***32. Disaster Preparedness for People with Disabilities and their Caregivers, Erica Coleman***

People with disabilities and their caregivers must practice individual preparedness to ensure their specific needs are met in a disaster. This poster presents the impacts of disasters and provides information on how people with disabilities can plan for themselves and create their own personalized disaster preparedness toolkits.

Monday, 4:30 pm - 6:00 pm

### ***33. Financial Incentives for Diabetes Management among Medicaid Beneficiaries, Chuan Chinn, Rebecca Rude Ozaki & Christina Wang***

This poster examines the Hawaii Patient Reward And Incentive to Support Empowerment (HI-PRAISE) project, a five year demonstration grant focused on the use of incentives to improve diabetes management among adult Medicaid beneficiaries. Discussion covers HI-PRAISE's inclusion of a pre-post study of 2003 participants and a randomized controlled trial of 320 participants. Also examined are improved clinical outcomes and ADA compliance reported in the observational study.

Monday, 4:30 pm - 6:00 pm

**34. A Study of Causes Affecting Mental Health of Mothers Having Children with Cerebral Palsy, Masumi Niwano**

The poster presenter conducted research which found that mothers of children with cerebral palsy in Japan, who are also employed, are better satisfied with their lives than ones whose environments don't allow for employment. This environmental factor of employment appears to positively impact the mental health of these mothers who comprise 26.6 percent of all mothers of children with cerebral palsy.

Tuesday, 7:45am - 9:00 am

**35. Predicting Recovery of Dressing Abilities for Stroke Patients, Shotaro Sasaki & Jun Yaeda**

The poster presenters investigated predictive variables of early neurologic impairments or early dressing disorders for the recovery of independent dressing abilities after stroke. Logistic regression analyses showed age, FIM score, Mini Mental State Examination score, and presence of unilateral spatial neglect as predictive variables.

Tuesday, 7:45am - 9:00 am

**36. Current Status of Physical Therapy for Terminally Ill Cancer Patients in a Palliative Care Unit in Japan, Tsubasa Kato & Atsushi Ozawa**

The mortality rate of cancer has been increasing in Japan. We investigated the current status of physical therapy for terminally ill cancer patients in a palliative care unit in Japan. The poster presenters found the importance of clarifying patient and family demands using advanced care planning (ACP).

Tuesday, 7:45am - 9:00 am

**37. Adapting Hatha Yoga for Persons with Cognitive Impairments, Keith Beasley**

Group Hatha yoga classes can be adapted to serve the needs of persons with cognitive impairments. As the poster presenter demonstrates, the adaptations of yoga classes can include the use of the following: music/sound; and visual cueing and pictures.

Tuesday, 7:45am - 9:00 am

**38. Four Square Step Test (FSST) for Parkinson's Disease Patients in Japan, Yuko Fujita & Jun Yaeda**

Assessing tumbling risk of patients with Parkinson's disease is a practical concern among physical therapists. "Four Square Step Test (FSST)" is one of such tools that could be easily operated within a hospital setting. This poster presents a study which illustrates how this test could be applied with PD patients in Japan.

Tuesday, 7:45am - 9:00 am

**39. Swallowing Therapy and Rehabilitation Teamwork in Japan: A Case Study, Hitomi Yumoto**

Presented in this poster is a case study of swallowing therapy for a woman in her 60's who developed severe dysphagia due to dermatomyositis. Because of her sustained stress at the



hospital and fear of aspiration, dysphagia rehabilitation was delayed, but aspiration was greatly reduced by a rehabilitation teamwork effort at discharge.

Tuesday, 7:45am - 9:00 am

**40. Severe Subarachnoid Hemorrhage Patients Who Succeeded in Home Return,**  
*Hideyuki Ogawa*

Rehabilitation of severe cases of subarachnoid hemorrhage (SAH) is not easy due to complicated after-effects. Systematically modified physical therapy based on objective assessments for patients with consciousness disturbance was a success as it enabled the patient walk back home by himself. Also examined by the poster presenters is a case study of SAH.

Tuesday, 7:45am - 9:00 am

**41. Pedal Your Own Path,** *Gretchen Snethen*

Bikeshares are popping up all over the country, providing an affordable option for active transportation and physical activity. The poster presenter shares findings of a bikeshare interest survey and small pilot program developed to increase physical activity and independent transportation. Implications for individuals with mental illnesses and other disabilities are discussed.

Tuesday, 7:45am - 9:00 am

## **Minding Transitions**

**42. Hawaii Going Home Plus: Keys for Successful Transitions to Community Housing,**  
*Christy Nishita*

This poster describes the Hawaii Going Home Plus Project, which aims to transition individuals from institutional to community settings with appropriate housing and services. Discussed in this poster presentation are keys to the project's success, lessons learned, and important community resources for safe transitions from institutions to community housing.

Tuesday, 7:45am - 9:00 am

## **Relationships**

**43. Autism in the Church: Caregiver Descriptions of Church Involvement,** *Melinda Pierson*

This study investigated the inclusion of children with autism in church. Parents (n = 15) completed questionnaires regarding behavior, social skills, demographics, and perspectives on church involvement. Results were organized into an evidence-chain that included themes surrounding child participation, peer interaction, barriers to church attendance, and religious hopes.

Monday, 4:30 pm - 6:00 pm

**44. *Families4Families Inc: Evaluating Outcomes of Participation in a South Australian Peer Support Network for Families Following Acquired Brain Injury*, Michelle Bellon**

Families4Families is a peer support network for families living with acquired brain injury in South Australia. The poster presenter shares results of a study, which evaluated participation outcomes, revealing three major benefits: 'information'; 'giving back'; and 'connection'. According to the presenter, participants valued sharing and learning from each other, gaining knowledge, positive coping strategies, understanding systems, and expanding social networks.

Monday, 4:30 pm - 6:00 pm

## Technologies for All

**45. *A Multimedia-Based Professional Development Process to Support Inclusive Science Teachers' Vocabulary Instruction*, Michael Kennedy**

Students with disabilities usually receive instruction from general education teachers in content area classes. The presenters of this poster share a multimedia-based PD process to support middle school science teachers' vocabulary instruction. Discussion of the PD process includes modeling videos, customizable vocabulary lessons, and data-driven coaching.

Monday, 4:30 pm - 6:00 pm

**46. *Applying Digital Fabrication Technology and Online Collaboration for Improving Assistive Technology Provisions*, Takashi Watanabe**

Three-dimensional (3D) printing technology has been widely known as type of digital fabrication which is expected to have new value creation. In conducting a study for improving assistive technology provision, the presenter of this poster applied 3D printing technology to some actual cases. He proposes to apply the results of the study to an interactive community website.

Tuesday, 7:45am - 9:00 am

**47. *"Relation in Public" and Social Interaction for Children with Disabilities: Goffman's Theory and Tablet Media*, Kuniomi Shibata**

Goffman suggested the concept for the defining and sharing of a situation. The concept could apply to a tablet media app for persons with disabilities. The poster presenter discusses the application of this concept to their assist app by Android for persons with disabilities.

Tuesday, 7:45am - 9:00 am

## The Built Environment

**48. *Community-based Disaster Risk Reduction Activities for People with Disabilities in Japan*, Shutaro Koyama**

The poster presenter examined a case study of disaster risk reduction activities conducted for people with disabilities by Regional Independent Living Support Councils in Japan. Through conducting interviews with the council staff and analyzing documents of activities, the issues and the future perspectives of such activities were examined based on the outcomes.

Tuesday, 7:45am - 9:00 am

## Transition to Adulthood and Postsecondary Education

### ***49. From Integration to Inclusion: Progressing the Academic Inclusion of Higher Education Students with Disability, Christine Krol***

Students with disability at Western Sydney University (Western) apply through Disability Services for an Academic Integration Plan (AIP). This facilitates access to accommodations to increase equitable participation. The research presented in this poster presentation explores the implementation of AIPs from student and academic perspectives across schools, predominantly those that have a practicum component.

Monday, 4:30 pm - 6:00 pm

### ***50. NDC | Explore: Online Classes to Improve Postsecondary Outcomes for Deaf Students, Tianikki Ivanko, Carrie Lou Garberoglio & Lisa Guerra***

This poster presentation examines e-learning opportunities, raises questions about technical assistance opportunities, and shares information about the National Deaf Center on Postsecondary Outcomes.

Tuesday, 7:45am - 9:00 am

## Work: Employment and Disability

### ***51. Quality of Working Life of Young Dementia in Japan, Jun Yaeda***

About 40,000 Japanese currently have early onset dementia. The poster presenter shares a study which illustrates how such individuals at working age could retain their jobs while struggling to live with early onset dementia. Implications of informal community support network, family support, and workplace support are discussed.

Tuesday, 7:45am - 9:00 am

### ***52. Program for the Inclusion of Persons with Disabilities: Breaking Down Barriers for Workers with Disabilities, Mario Valle***

Senac São Paulo is an educational institution, which has more than 8,800 employees. Currently, there are more than 450 employees with all types of disabilities. This poster provides an examination of the Senac Inclusion Program, which began 15 years ago and is recognized for eliminating barriers for workers with disabilities so that they can produce on equal terms.

Tuesday, 7:45am - 9:00 am

## Youth Reach

### ***53. Meaningful Activities of an Ethiopian Child with Intellectual Disability, Monica Kem, Melisa Toporek, Janet Branch & Blake Lord***

Presented in this poster are the results of a participatory qualitative study, which involved collecting photos and interviews from Ethiopian youth with intellectual disabilities. Based on

the data, the poster presenters found that the study enabled the participants to share lived experiences, ascribe individual meaning to participation in daily occupations, express personal agency, and develop new occupations.

Monday, 4:30 pm - 6:00 pm

***54. Youth Involvement in Bullying Prevention through Culturally Relevant Video***

*Production, Judith Clark*

Involving youth in health education programs results in products that reflect modern youth and Pacific Island cultures, while promoting healthy behaviors and lifestyles. The poster presenter demonstrates how to involve youth, including those with disabilities, in video production and how youth benefit from involvement.

Monday, 4:30 pm - 6:00 pm