

JESSICA M. JARVIS

1919 West Taylor St, Chicago, IL 60622 | 312-996-7963 | jmjarvis@uic.edu |
https://www.researchgate.net/profile/Jessica_Jarvis2

EDUCATION

- Ph.D. Rehabilitation Sciences, 2017
 University of Texas Medical Branch, Galveston, TX
- B.M. Music Therapy, 2012
 Nazareth College of Rochester, Rochester, NY

PERSONAL STATEMENT

I am committed to building a pediatric rehabilitation research career to understand and improve the long-term health and function of children recovering from critical illness. As a clinician, I believe in a client lead and family centered approach, which directly translates to my desire to conduct patient centered outcomes research as a researcher. Specific demographics of interest are critically ill children; both traumatic injuries and complex chronic conditions. My doctoral studies [funded in parts by NIH 1R01MD010355-01 (PI: Ottenbacher) and a predoctoral award] focused on developing large data and secondary data analytics within the context of rehabilitation sciences. My postdoctoral studies are transferring these skills into the field of pediatrics, while expanding my experiences to data collection, mixed methods analyses, and lab management. My primary focus of study is investigating the trajectories of functional recovery following prolonged admission into a pediatric intensive care unit and understanding factors that influence changes in recovery (e.g., environmental factors, caregiver stress, and caregiver strategy use). Additionally, I have had the opportunity to collaborate in further developing an electronic patient-reported outcome as a goal setting application in pediatric rehabilitation.

CERTIFICATIONS

- 2012 – Current The Certification Board for Music Therapy Houston, TX
 Music Therapist - Board Certified
 • Certificate # 10326

RESEARCH AND CLINICAL TRAINING

- HPA 591: Grant Writing for New Investigators 2018
University of Illinois at Chicago
- EPSY 512: Hierarchical Linear Models 2017
University of Illinois at Chicago
- Certified Brain Injury Specialist 2016
TIRR Memorial Hermann; Certificate #16675
- The International Neurologic Music Therapy Training Institute 2014
The Center for Music and Biomedical Research
- Internship Development and Supervision 2014
The American Music Therapy Association

PROFESSIONAL EXPERIENCE

- Postdoctoral Research Associate 3/2017 – present
University of Illinois at Chicago, Chicago, IL
Coordinate primary data collection for prospective, multi-site project to examine usability and feasibility of electronic health tool for pediatric rehabilitation; conduct secondary analyses of data from longitudinal cohort study of critically ill children; lab management; grant preparation as PI and co-I; mentoring students.
- Graduate Research Assistant 1/2014 – 2/2017
University of Texas Medical Branch, Galveston

Research rotations through various settings; data collection and IRB approval; secondary data analyses; studied disability at the ICF activity level.

Music Therapist

4/2012 – 1/2017

Children's Memorial Hermann Hospital, Houston, TX

Internship director; lead individual and group music therapy sessions; treated patients in the PICU, NICU, and general pediatrics; co-treated with physical, occupational, and speech therapists; special focus on critical illness; participated in weekly medical rounds; provided yearly in-services to nursing, psychiatry, and rehabilitation staff.

HONORS AND AWARDS

Pediatric Rehabilitation Poster Award, American Congress of Rehabilitation Medicine	2017
Travel Award, Center for Large Data Research and Data Sharing in Rehabilitation	2017

GRANTS AWARDED

Title: *Examining Variables that Effect Incident Disability in Older Mexican Americans*
January 2017
Role: PI
Mentor: James Graham
Source: Jeane B. Kempner Pre-Doctoral Fellowship

GRANTS SUBMITTED

Title: *Advancing PEM for Uptake in Pediatric Rehabilitation.*
July 2018-June 2023
Role: Co-Investigator
PI: Mary Khetani
Source: CanChild Centre for Childhood Disability Research
Status: Recommended for funding

Title: *Effects of Rehabilitation Service Use in the Pediatric Intensive Care Unit on Functional Recovery and Readmission*
Role: PI
Mentors: James Graham, Mary Khetani
Source: NIH Center for Large Data and Data Sharing in Rehabilitation Research, Pilot Grant
Status: Scored but not funded

Title: *Home Reintegration Following Pediatric Critical Illness*
Role: Co-I
PI: Mary Khetani
Source: NICHD, R01 – Clinical Trial Required
Status: Resubmission pending

Title: *Electronic Family-Centered Care Planning Support in Pediatric Critical Care*
Role: Co-I
PI: Mary Khetani
Source: Gordon and Bette Moore Foundation
Status: Scored but not funded

Title: *Electronic Family-Centered Care Planning Support in Pediatric Critical Care*
Role: Co-I
PI: Mary Khetani
Source: University of Illinois at Chicago, Applied Health Sciences Interdisciplinary Pilot Grant
Status: Not funded

Title: *Predictors of School Reintegration Following Pediatric Critical Illness: Time to Wee-Turn*
Submitted October 2016, resubmitted October 2017
Role: PI
Mentor: Mary Khetani
Source: American Occupational Therapy Foundation
Status: Not funded

Title: *Predictors of School Reintegration Following Pediatric Critical Illness: Time to Wee-Turn*
Role: PI
Mentor: Mary Khetani
Co-Mentor: James Graham
Source: Jeane B Kempner Foundation Postdoctoral Fellowship
Status: Scored but not funded

REFEREED PUBLICATIONS *Denotes mentored student author

1. **Jarvis JM**, *Gurga A, *Greif A, *Lim H, Anaby D, Teplicky R, Khetani MA. Usability of PEM-Plus for client-centered and participation focused care planning. *American Journal of Occupational Therapy*. Forthcoming. [Impact Factor: 3.325]
2. Khetani MA, Albrecht EC, **Jarvis JM**, Pogorzelski D, Cheng E, Choong K. Determinants of change in home participation among critically ill children. *Developmental Medicine and Child Neurology*. Forthcoming. [Impact Factor: 3.289]
3. **Jarvis JM**, Downer B, Baillargeon J, Khetani M, Ottenbacher KJ, Graham JE. The modifying effect of positive emotion on the relationship between cognitive impairment and disability among older Mexican Americans: a cohort study. *Disability and Rehabilitation*. 2018 Jan 29;1-8. [Impact Factor: 2.042]
4. Cary MP, Bettger JP, Graham JE, **Jarvis JM**, Ottenbacher KJ. Successful community discharge following post-acute rehabilitation for Medicare beneficiaries: Analysis of a patient-centered quality measure. *Health Services Research*. 2017 Nov 13. [Impact Factor: 3.089]
5. Lewis ZH, Lyons EJ, **Jarvis JM**, Baillargeon J. Using an electronic activity monitor system as an intervention modality: A systematic review. *BMC Public Health*. 2015 Jun 24;15(1):585 [Impact Factor: 2.814]

REFEREED PUBLICATIONS UNDER PEER REVIEW *Denotes mentored student author

1. **Jarvis JM**, Choong K, Khetani MA. (submitted May 2018). Effect of home participation strategies and rehabilitation service use on parental stress following pediatric critical illness.
2. **Jarvis JM**, Downer B, Baillargeon J, Khetani MA, Ottenbacher KJ, Graham JE (submitted May 2018). Examining the relationship between cognitive impairment and disability across cohorts of older Mexican Americans.
3. **Jarvis JM**, *Gurga A, *Lim H, Cameron J, Choong K, Khetani MA (submitted July 2018). Parent strategies to promote home participation following pediatric critical illness.

BOOK CHAPTERS

1. **Jarvis JM**, Khetani MA. (In preparation). Unpacking contexts for participation in activities that comprise family life: Self and family. In: Imms and Green, eds. *Enabling Participation in Childhood Onset Neuro-Disability*. MacKeith Press.

INVITED PRESENTATIONS

1. Anaby D, Teplicky R, **Jarvis JM**, Stoffel A, Khetani MA. (2018, April). Environmentally-focused approaches to intervention for improving children's participation in occupation. Invited concurrent session for the Scholarship of Practice Day, Department of Occupational Therapy, University of Illinois at Chicago, Chicago, IL.

REFEREED PRESENTATIONS

1. Gurga A, **Jarvis JM**, Choong, K, Khetani, M.A. (2018, June). Parent strategy use to promote a child's home participation following pediatric critical illness. Abstract submitted for presentation at the American Occupational Therapy Association Conference, New Orleans, LA.
2. **Jarvis JM**, Gurga A, Choong K, Khetani MA. (2018, June). Parent strategy use to promote a child's home participation following pediatric critical illness. Abstract submitted for presentation at the American Congress in Rehabilitation Medicine Conference, Dallas, Texas.
3. **Jarvis JM**, Choong K, Khetani MA. (2018, June). Effect of home participation strategies and rehabilitation service use on parental stress following pediatric critical illness. Abstract submitted for presentation at the American Congress in Rehabilitation Medicine Conference, Dallas, Texas.
4. Teplicky R, Anaby D, **Jarvis JM**, Gurga A, Turner L, Khetani MA. PEM-Plus: An e-health tool for family centred care planning support. Poster presented at: the Canadian Association of Occupational Therapy Annual Conference; 2018 June; Vancouver, BC, Canada
5. **Jarvis JM**, Albrecht E, Pogorzelski D, Choong K, Khetani MA. Determinants of change in home participation among critically ill children. Poster presented at: 94th American Congress of Rehabilitation Medicine Conference; 2017 Oct; Atlanta, GA.
6. **Jarvis JM**. CLDR-Sponsored young investigators panel: Secondary analysis of archived datasets. Oral presentation as a part of panel session at: 94th American Congress of Rehabilitation Medicine; 2017 Oct; Atlanta, GA.
7. **Jarvis JM**. Evidence based practice: A verb not an adjective. Oral presentation at: Southwestern Region American Music Therapy Association Annual Conference; 2016 March; Austin, TX.
8. **Jarvis JM**, Malagaris I, Graham J, Lin YL. All you need is LOS: Effects of acute and post-acute lengths of stay on patient outcomes. Poster presented at: 92nd American Congress of Rehabilitation Medicine Conference; 2015 Oct; Dallas, TX.
9. **Jarvis JM**, Townsend J. Pediatrics, the brain, and behavior: Music therapy to meet emotional needs of the hospitalized child. Oral presentation at: Southwestern Region American Music Therapy Association Conferenc; 2015 March; Oklahoma City, OK.
10. **Jarvis JM**. The battle of who can care less: Adolescents in acute care. Oral presentation at: Southwestern Region American Music Therapy Association Annual Conference; 2014 March; Dallas, TX.
11. **Jarvis JM**. Music therapy in the pediatric epilepsy monitoring unit. Oral presentation at: Southwestern Region American Music Therapy Association Annual Conference; 2013 March; San Antonio, TX.

NONREFEREED PRESENTATIONS

1. **Jarvis JM**, Albrecht E, Pogorzelski D, Choong K, Khetani MA. Determinants of change in home participation among critically ill children. Poster presented at: Annual Research Day, College of Applied Health Sciences, University of Illinois at Chicago; 2017 November; Chicago, Illinois.
2. Greif A, Lim H, Gurga A, **Jarvis JM**, Khetani MA. Partnering to pilot PEM for family centered assessment and care planning. Workshop for service providers at: Blue Bird Day School; 2017 June; Chicago, IL.

MEDIA COVERAGE FOR RESEARCH

1. Invited podcast, *Developmental Medicine and Child Neurology*, July 2018.
2. Invited podcast, *Developmental Medicine and Child Neurology*, April 2017.

REVIEW FOR MANUSCRIPTS IN PEER-REVIEWED JOURNALS

- BMJ Open – 1 review
- International Journal for Developmental Disabilities – 2 reviews
- Patient Preference and Adherence – 1 review
- Disability and Rehabilitation – 1 review
- Journal of Medical Internet Research – 1 review

GUEST LECTURES AND INVITED TEACHING

<u>Year</u>	<u>Semester</u>	<u>Course Number and Title</u>	<u>Credits</u>	<u>Enrollment</u>	<u>Hours of Instruction</u>	<u>Instructor Rating</u>
2017	Fall	PT 505 Advances in Rehab Science	3	28	3	4.85/5.00

OFFICES AND AFFILIATIONS

- Member of the American Academy of Cerebral Palsy and Developmental Medicine since 2018
- Member of the American Congress of Rehabilitative Medicine since 2016
- Parliamentarian of the Southwestern Region of the American Music Therapy Association 2015-2016
- Member of the Southwestern Region of The American Music Therapy Association 2011 - 2017
- President of the American Music Therapy Association Students 2010-2011
- Member of The American Music Therapy Association since 2007
- Member of the Mid-Atlantic Region of The American Music Therapy Association 2007-2011

SUPERVISORY ROLE

Co-mentored 1 honors undergraduate student, *Dianna Bosak*, University of Illinois at Chicago, March 2018 – present

Directly supervised 5 clinical students, *Bianca Boyd, Audrey Zybura, Robert Aguillar, Suzy Wolfe, Morgan Wood*, Children's Memorial Hermann Hospital, 2013-2017