

## Curriculum Vitae

**Date:** July 2023

Catherine R. Hoyt

### **Contact Information**

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Program of Occupational Therapy  
Washington University School of Medicine  
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### **Present Position**

2021-Present     Instructor, Program in Occupational Therapy  
Department of Neurology  
Department of Pediatrics  
Faculty Scholar, Institute of Public Health  
Faculty Affiliate, Center for the Study of Race, Ethnicity and Equity  
Washington University School of Medicine, St. Louis, MO

### **Research Focus**

My research has focused on developing methodology for early identification of developmental delays in children 0-3 years of age with sickle cell disease to measure real-world outcomes using both quantitative and qualitative approaches including 1) Using standardized developmental measurement tools and 2) Developing and validating a picture-based tool for caregivers to report infant/toddler engagement in activities of everyday living.

### **Education and Training**

2003-2007        B.S., Natural and Social Science with a Secondary Emphasis in Spanish,  
Juniata College, Huntingdon, PA

2007-2010        Doctor in Occupational Therapy, Washington University School of  
Medicine, Program in Occupational Therapy, St. Louis, MO

2015-2019        Ph.D., Leadership Credential, Rehabilitation and Participation Science,  
Washington University School of Medicine, St. Louis, MO  
*Title:* Novel Approaches for the Measurement of Early Childhood  
Development  
Mentors: Nico Dosenbach MD, PhD; Allison King MD, PhD, MPH

## **Curriculum Vitae**

- 2019-2021 Postdoctoral Associate, Program in Occupational Therapy, Washington University School of Medicine, St. Louis, MO
- 2020-2022 Mentored Training in Implementation Science  
PI: Davila-Roman, org
- 2022 Workshop in Implementation Science and Health Services (WISH):  
Advancing Grant Writing Skills for Rehabilitation Researchers. Supported by NIH: 1P2CHD101895-01

### **Academic Positions/Employment**

- 2010-2013 Occupational Therapist, Washington University School of Medicine, Program of Occupational Therapy/Hematology  
Lab: Allison King PhD, MD, MPH  
Duties: Project design, recruitment, data collection and management, publication
- 2014-2015 Occupational Therapist, Washington University School of Medicine, Department of Neurology  
Lab: Nico Dosenbach PhD, MD and Deanna Greene PhD  
Duties: Recruited participants and collected data for ongoing projects
- 2019 Postdoctoral Externship, University of Groningen, Netherlands, Department of Developmental Neurology  
Lab: Mijna Hadders-Algra PhD, MD  
Duties: Score infant videos of the General Movements Assessment and Infant Motor Profile
- 2019-2021 Postdoctoral Associate, Washington University in St. Louis  
Lab: Lisa Tabor Connor, PhD

### **Clinical Title and Responsibilities**

- 2011-Present Owner/Occupational Therapist, My Little Sunshine Pediatric Therapy L.L.C.  
Description: Owner, early intervention therapist and evaluation specialist. Pearson Assessments Field Research Evaluator for Bayley Scales of Infant/Toddler Development IV
- 2011-2013 Occupational Therapist, Good Shepherd School for Children  
Supervisor: Paula Bahn, RPT  
Description: Pediatric therapist. Led fine motor and sensory groups and provided individual and home-based therapy services.
- 2013-2015 Occupational Therapist, Washington University, Program in Occupational

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### Therapy

Supervisor: Pat Nellis, OTD

Description: Provided pediatric evaluation and therapeutic services in the clinical and home setting

- 2013 Occupational Therapist, Ability Network  
Supervisor: Leslie Elpers  
Description: Provided home based early intervention therapy and evaluation services

### Teaching Title and Responsibilities

- 2009 Teaching Assistant, Washington University; St. Louis, MO  
*Course:* Communications in Mental Health
- 2011-2015 Course Director, Washington University; St. Louis, MO  
*Course:* Independent study: Pediatrics and Child Development  
*Students:* Sonya Dunsirn OTD, Odo Nwabara OTD, Elizabeth Tackett OTD
- 2011-2015 Course director, Washington University; St. Louis, MO  
*Course:* Communicating with Spanish Speaking Clients: Culture and Conversation in Occupational Therapy
- 2011-2020 Clinical Instructor to Guatemala, Washington University; St. Louis, MO  
Annual 1-week student service-learning trip to Guatemala
- 2011-Present Guest Lecturer, Washington University; St. Louis, MO  
Invited lectures in the following courses: Pediatric Intervention, Neuroscience, Case Based Learning, Neurology
- 2013, 2020 Small Group Instructor, Washington University; St. Louis, MO  
*Course:* Case Based Learning I, Pediatrics
- 2014-Present Research Mentor, Child Health and Development Laboratory, Washington University; St. Louis, MO  
Guide project development, data collection and analysis for masters and doctoral students under the mentorship of Allison King PhD, MD, MPH.  
*Students:* Jianna Fernandez OTD, Emma Grandgeorge MSOT, Kelly Baker MSOT, Hannah Manis MSOT, Laura Pilney MSOT, Ashley Chuck OTD, Jeni Erickson OTD ('21), Sadie Hurwitz OTD ('22)
- 2016- 2019 Research Mentor, Dosenbach Laboratory, Washington University; St. Louis, MO  
Guide project development, data collection and analysis for master's students under the mentorship of Nico Dosenbach PhD, MD.  
*Students:* Melanie Berner MSOT, Shelby Brown MSOT, Sarah Sherman MSOT

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2017, 2019 Small Group Instructor, Washington University; St. Louis, MO  
*Course:* Research Proposal Development

2021- Course director, Washington University; St. Louis, MO  
*Course:* Case-Based Learning I, Pediatrics

### **University, School of Medicine and Hospital Appointments and Committees**

2008-2009 Chair, Education Committee; Pi Theta Epsilon Occupational Therapy Honor Society

2008-2009 Chair, Cultural Committee; Washington University Student Occupational Therapy Association

2016-2017 Graduate Council Representative and Secretary

2016-2017 Graduate Council Executive Committee, Member and Secretary

2016-2017 Graduate Student Senate; Representative and Faculty/Staff Awards Coordinator

2016-2017 Peer Mentoring Coordinator

2017-2018 Liberman Graduate Center Advisory Committee

2017-2018 Graduate Council Representative

2017-2018 Board of Trustees, Graduate Student Representative  
*Committees:* Building, Grounds and Real Estate, Audit, Global Engagement, Graduate Research Affairs, Medical Finance, Honorary Degree, ProGRADS: Professional and Graduate Student Coordinating Committee

2017-2018 Chancellor Search Committee, Graduate Student Representative

2020-2021 Washington University Program in Occupational Therapy  
*Committees:* Diversity, Equity and Inclusion (Student Support), Center For Community Living Task Force

2020 Washington University Postdoctoral Society, Executive Committee  
*Committees:* Policy & Advocacy, Peer Mentorship

2020 Campus Security Authority, WUSTL

2020-2021 Washington University Postdoc Peer Mentorship Program  
Co-Founder and Co-Director  
*Mentees:* Szu-Wei Chen, Michael Park

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2021-	Washington University First Fridays for OT Research, Co-Host
2021	Washington University School of Medicine Food Insecurity Task Force
2021	Washington University School of Medicine, Center for Community Living Task Force
2021-	Faculty Affiliate, Center for the Study of Race, Ethnicity & Equity
2021-22	Faculty Search Committee, Washington University School of Medicine, Program in Occupational Therapy
2022-	CAPES Committee. Washington University School of Medicine, Program in Occupational Therapy
2022-	Faculty Affiliate, Institute for Public Health

### **Licensures and Certifications**

2010	Vital Links Therapeutic Listening
2010	Parents as Teachers (PAT) Parent Educator Prenatal to Three
2011	Handwriting without Tears® K-5
2011-Present	National Board for Certification of Occupational Therapy Certification number: 281963
2011-Present	Missouri Occupational Therapy License License number: 2011008932
2014	Data Management for Clinical Research: REDCap
2014	Comprehensive Treatment for Pediatric Hemiparesis
2015	Comprehensive Behavior Intervention for Tics (CBIT)
2015	NICU Network Neurobehavioral Scale (NNNS)
2020	Safe Zone, WUSTL Office of Diversity, Equity and Inclusion
2020	Leadership and Management in Action Training Program, WUSTL
2020-2024	Notary Public: State of Missouri- #20678485

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### Honors and Awards

2003-2007	Calvert - Ellis Merit Scholarship
2005	Omicron Delta Kappa – Leadership Honor Society
2004,2006	NYCE - Scholarship for Study Abroad in Latin America
2006	Sigma Iota Rho, International Relations Honor Society
2007	Merit Scholarship, Washington University, Occupational Therapy
2008-Present	Pi Theta Epsilon, Occupational Therapy Honor Society
2012	Emerging Leaders Development Program, American Occupational Therapy Association
2016,-17,-19	Service Commendation, American Occupational Therapy Association
2017	PEO Scholar Award, Regional Nominee
2017	Service Commendation, Washington University in St. Louis, Graduate School
2017, 2019	Poster selected for oral presentation, top 8, American Occupational Therapy Association
2018	Student Travel Scholarship Award, American Academy of Cerebral Palsy and Developmental Medicine (AACPDM)
2019	Leadership Credential, Washington University in St. Louis
2022	Recognition of Achievement, American Occupational Therapy Association
2022	Travel Scholarship Award, Learning Health Systems Rehabilitation Research Network (LeaRRn)

### Editorial Responsibilities

	<b>Journal Reviewer</b>
2020	<i>Journal of Pediatric Neurology</i>
2020	<i>Developmental Neurorehabilitation</i>
2020	<i>OTJR: Occupational Therapy Journal of Rehabilitation</i>
2020-2021	<i>JAMA Network Open</i>
2018- Present	<i>Journal of Patient Reported Outcomes</i>
2016,17,20	<i>American Journal of Occupational Therapy</i>

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2021 *Pilot and Feasibility Studies*  
2021 *Australian Journal of Occupational Therapy*  
2022 *BMC Pediatrics*

### **Editorial Board**

2021-Present *OTJR: Occupational Therapy Journal of Rehabilitation*  
2022- Present *Rehabilitation Process and Outcome*

### **National Panels, Committees, Boards**

2014-2020 Co-Founder and Founding Chair, Coalition of Occupational Therapy Advocates for Diversity (COTAD), 501(c)(3)  
*Committees:* Annual COTAD Breakfast, COTAD-ED, Toolkit Development, Minority Mentorship Program, COTAD Chapters, Fundraising, COTAD Community, COTAD Book+ Club, IGNITE!, Research and Publishing, and Social Media

2021-2024 Member. American Occupational Therapy Association, 501(c)(3). Diversity, Equity and Inclusion Committee.

2022-2024 Member. American Occupational Therapy Foundation. Awards and Recognition Committee.

### **Community Service Contributions**

#### **Community Engagement**

2015 Contributing Author, Distinct Value Committee: Children & Youth, American Occupational Therapy Association

2015 Invited participant: 2025 Visioning Meeting, American Occupational Therapy Association

2015-2016 Mentor, American Occupational Therapy Association; Bethesda, MD  
Served as a mentor in the Emerging Leaders Development Program.  
Mentee: Jenny Martinez, OTD

2016-2018 American Occupational Therapy Foundation National Team, St. Catherine Challenge for Research

2016, 2018 Volunteer, American Occupational Therapy Foundation State of Science

2017, 2018 Volunteer, American Occupational Therapy Foundation Breakfast with a Scholar

#### **Professional Societies and Organizations**

2009-current American Occupational Therapy Association

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2010-current	Missouri Occupational Therapy Association
2016	American Congress of Rehabilitation Medicine
2016-2017	American Academy for Cerebral Palsy and Developmental Medicine
2017-2019	Flux: International Society for Integrative Developmental Cognitive Neuroscience
2015-current	International Society on Early Intervention
2020-current	Society for Implementation Research Collaboration
2022-current	Society for Research in Child Development
2014-current	Coalition of Occupational Therapy Advocates for Diversity
2022-current	Missouri Association for Infant and Early Childhood Mental Health
2023-current	American Society for Neurorehabilitation

### **Consulting Relationships and Board Memberships**

#### **Small Business Consulting**

2014-2019	Advisory Board, Southpaw Ent.; Pediatric therapy equipment company
2019-Present	Advisor, Wayband by WearWorks; Wearable device to utilize haptics for navigation
2019-Present	Advisor, STEGA Handwriting Evaluation Application
2021	Consultant, OT Potential, continuing education platform
2022-2023	Advisory Board, OT Potential, continuing education platform

#### **Board Membership**

2014-2021	Executive Board, Coalition of Occupational Therapy Advocates of Diversity (COTAD). Co-Founder and Founding Chair (2014-2020).
2018-2019	Graduate Representative, Board of Directors. Washington University in St. Louis.
2020-2021	Founding Coordinator, Postdoc Peer Mentorship Program, Leadership Credential and Certificate, Washington University in St. Louis, St. Louis, MO

### **Research Support**

#### **Current**



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- 03/2023-03/2024 Washington University Institute for Clinical and Translational Sciences. Center for Community Health Partnership and Research. Partnership Development & Sustainability Funding Program. Title: Expanding developmental screening and early intervention for children with sickle cell disease.  
**Role:** PI
- 02/2023-02/2024 C-PROGRESS, Pediatric Rehabilitation Resource Center. Factors Contributing to the Implementation of Constraint-Induced Movement Therapy.  
**Role:** PI
- 01/2023-01/2028 1K23HL161328-01A1 (Hoyt)  
9.0 CM  
Early Identification of Developmental Delay Among Infants and Toddlers with Sickle Cell Disease.  
**Role:** PI
- 08/2022-08/2024 Missouri Foundation for Health. Opportunity Fund. Title: Expanding access to early intervention for children with Sickle Cell Disease. **Role:** PI
- 06/2022-06/2023 Center for Study of Race, Ethnicity & Equity. Small Grant Fund. Title: Development of a new model to support occupational therapy practice. **Role:** PI
- 03/2022-02/2023 Washington University & St. Jude Children's Research Hospital, Implementation Science Collaborative. Title: Use of Early Intervention in Sickle Cell Disease. Goal: Quantify the use of Early Intervention among children with SCD in Missouri and Tennessee. **Role:** Co-PI
- 03/2022-02/2023 Washington University/CTRFP. Title: Utilization of Developmental Screening in Sickle Cell Disease. Goal: Quantify the use of Early Intervention among children with SCD. **Role:** PI
- 03/2021-02/2024 5U01NS106655-02 (Ramey, Lo)  
0.6 CM  
NINDS: Perinatal Arterial Stroke: A Multi-Site RCT of Intensive Infant Rehabilitation (I-ACQUIRE)  
Perinatal arterial stroke (PAS) includes infants with neonatal arterial ischemic stroke and presumed perinatal arterial stroke and has an estimated incidence of 1 in 1150. The majority will develop hemiparesis, often resulting in lifelong and debilitating disability, including lowered cognition and quality of life. There are no evidence-based forms of rehabilitation designated as standard-of-care for these infants. We propose a Phase III trial to address this lack of evidence-based treatments. The I-ACQUIRE Trial is a

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rigorous, adequately powered, multi-site randomized controlled trial comparing 2 dosages of a pediatric rehabilitation

**Role:** Site CO-I

### Past

12/17/10-  
12/31/13

H46MC09231 (King)

Health Resources and Services Administration

Developmental screening of infants and toddlers with sickle cell disease was completed in the hematology clinic at St. Louis Children's Hospital (total <200 assessments). A home-based parent education program adapted from Parents as Teachers was developed and provided to 45 families.

**Role:** Occupational Therapist/Program Coordinator

09/2016-  
08/2018

Young Investigator Research Fund (Hoyt, King)

Washington University in School of Medicine, Program in Occupational Therapy Provided funding for the validation of the Infant Toddler Activity Card Sort.

**Role:** Principal Investigator

08/2018-  
05/2019

Dissertation Award (Hoyt, King)

Alvin R. Tarlov & John E. Ware Jr. Doctoral Dissertation Award in Patient Reported Outcomes, \$25,000

Provided support the publication of the Infant Toddler Activity Card Sort: A caregiver reported measure of child engagement.

**Role:** Principal Investigator

04/2015-  
05/2019

K23 NS088590 (Dosenbach)

NINDS

Pediatric brain injury recovery via use-driven functional network reorganization

This award focused on neural recovery following stroke in children with hemiplegia and understand how constraint-induced therapy drives rehabilitation outcomes.

**Role:** Graduate Student Researcher, 09/2015 to 04/2019

01/2020-  
03/2021

1K24 HL148305-01 (King)

NIH/NHLBI (SCANS)

Sickle Cell Anemia Neurodevelopmental Screening - Mentoring and Research in Patient Oriented Research The specific aims of this proposal are to: 1) determine the barriers and facilitators of surveillance and screening of early childhood development of children with SCD age 0-3 years, and 2) identify specific implementation strategies to address the barriers and facilitators to early childhood development screening. Funding from this award is supporting preliminary data collection for the K12.

**Role:** Postdoctoral Research Associate

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05/2020-  
12/2022 K12HL137942 (Davila)  
9.6 CM  
NHLBI Mentored Training in Implementation Science  
Discoveries are often made in biomedical research but fail application in community and clinical settings (“real world” practice). In particular, chronic diseases in heart, lung, blood and sleep (HLBS) disorders are overwhelming disabling even though effective preventive and treatment strategies exist. Over the past decade, the science of dissemination and implementation (D&I) research has emerged to shorten this “translation gap.”  
**Role:** Scholar

### Trainee/Mentee/Sponsorship Record

#### **MSOT/OTD Project Mentor**

2016 Development of the Infant Toddler Activity Card Sort  
Students: Jianna Fernandez, OTD; Emma Grandgeorge, MSOT

2016 Accelerometry to detect unilateral differences in children with stroke  
Student: Melanie Berner, MSOT

2017 Validation of Infant Toddler Activity Card Sort  
Students: Kelly Baker, MSOT; Hannah Manis, MSOT

2018, '19 Psychometrics of the Infant Toddler Activity Card Sort  
Student: Laura Pilney, MSOT; Ashley Chuck, OTD

2019 Comprehensive assessment of children with perinatal stroke  
Students: Sarah Sherman, MSOT; Shelby Brown, MSOT

2021 Perspectives of Development Screening in Sickle Cell Disease  
Student: Jeni Erickson, OTD

2022 Behavioral Interventions to Support Children with Sickle Cell Disease: A Systematic Review.  
Student: Sadie Hurwitz, OTD (2023)

#### **Thesis Committee Member**

2019 Outcomes of International Service Learning (ISL)  
Student: Karen Schnedl, OTD

#### **OTD Capstone Student Project Supervisor**

2021 Advancing Diversity, Equity and Inclusion in Occupational Therapy  
Student: Alejandra Arroyo, OTD

2022 Inclusive education and curriculum development.

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Student: Bee Burns, OTD

### **Patents & Product Development**

- 2015 Swaddle Swing, Available for purchase at <https://www.southpaw.com/swaddle-swing.html>
- 2016 Lateral Grip, U.S. PATENT D747,413 Entitled “Pencil Grip” Issued on January 12, 2016.
- 2016 Body Snuggle, Available for purchase at <https://www.southpaw.com/body-snuggle.html>

### **Bibliography**

#### **Original, peer-reviewed articles in refereed journals (first author n =15)**

\* indicates senior author, underline indicates trainee

ORCID Profile: <http://orcid.org/0000-0002-3398-9439>

1. **Drazen, C.H.**, Abel, R., Lindsey, T. & King, A.A. (2014). Development and feasibility of a home-based education model for families of children with sickle cell disease. *BMC Public Health*, 14(1):116. doi: 10.1186/1471-2458-14-116
2. **Drazen, C. H.**, Abel, R., Gabir, M., Farmer, G., & King, A. A. (2015). Prevalence of developmental delay and contributing factors among children with sickle cell disease. *Pediatric blood & cancer*, 63(3), 504-510. doi: 10.1002/pbc.25838
3. Fields, M.E., **Hoyt Drazen, C.**, Abel, R., Rodeghier, M.J., Yarboi, J.M., Compas, B.E. & King, A.A. (2016). A pilot study of parent education intervention improves early childhood development among toddlers with sickle cell disease. *Pediatric blood & cancer*, 63(12), 2131-2138. doi: 10.1002/pbc.26164
4. Gordan, E.M., Laumann, T.O., Gilmore, A.W., Newbold, D., Greene, D.J., Berg, J.J., Ortega, M., **Hoyt Drazen, C.**, Gratton, C., Sun, H., Hampton, J., Coalson, R.S., Nguyen, A., McDermott, K.B., Shimony, J.S., Snyder, A.Z., Schlaggar, B.L., Petersen, S.E., Nelson, S.M. & Dosenbach, U.F. (2017). Precision functional mapping of individual human brains. *Neuron*, 95(4), 791-807. doi: 10.1016/j.neuron.2017.07.011
5. Greene, D.J., Koller, J.M., Hampton, J.M., Wesevich, V., Van, A.N., Nguyen, A.L., **Hoyt, C.R.**, McIntyre, L., Earl, E.A., Klein, R.L., Shimony, J.S., Petersen, S.E., Schlaggar, B.L., Fair, D.A., Dosenbach, N.U. (2018). Behavioral interventions for reducing head motion during MRI scan in children. *NeuroImage*, 171, 234-245. doi: 10.1016/j.neuron.2018.01.023
6. Marek, S., Siegel, J.S., Gordon, E.M., Raut, R., Newbold, D.J., Ortega, M., Laumann, T.O., Zheng, A., Lopez, K.C., Hampton, J.M., **Hoyt, C.R.**, Van, A.N., Dierker, D., Berg, J.J., McDermott, K.B., Norris, S.A., Shimony, J.S., Snyder, A.Z., Nelson, S.M., Barch, D.M., Schlaggar, B.L., Petersen, S.E., Raichle, M.E., Greene, D.J., Dosenbach, N.U.F. (2018). Spatial and temporal organization of the individual human cerebellum. *Neuron*, 100 (4), 977-993. doi: 10.1016/j.neuron.2018.10.010
7. Gilmore, A.W., Nelson, S.M., Laumann, T.O., Gordan, E.M., Berg, J.J., Greene, D.J., Gratton, C.,

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- Nguyen, A.L., Ortega, M., **Hoyt, C.R.**, Coalson, R.S., Schlaggar, B.L., Petersen, S.E., Dosenbach, N.U.F., McDermott, K.B. (2019). High-fidelity mapping of repetition-related changes in the parietal memory network. *NeuroImage*, 199, 427-439. doi: 10.1016/j.neuroimage.2019.06.011
8. **Hoyt, C.R.**, Van, A.N., Ortega, M., Koller, J., Everett, E., Nguyen, A., Lang, C., Schlaggar, B., Dosenbach, N.U.F. (2019). Detection of pediatric upper extremity motor activity and deficits with accelerometry. *JAMA Netw Open*, 2(4): e192970. doi: 10.1001/jamanetworkopen.2019.2970
  9. L'Hotta, A. J., **Hoyt, C. R.**, Lindsey, T., Abel, R., Chang, C.-H., & King, A. A. (2020). Validation of the fine motor subtest of the Bayley-III with children with SCD using Rasch analysis. *Child Health, Care and Development*. 1-9. doi: 10.1111/cch.12795
  10. Newbold DJ, Laumann TO, **Hoyt CR**, Hampton JM, Ortega M, Nguyen A, Miller DB, Marek S, Nielsen A, Adeyemo B, Schlaggar BL, Greene DJ, Petersen SE, Gordon EM, Snyder AZ, Dosenbach NUF. (2020). Plasticity and spontaneous activity pulses in disused human brain circuits. *Neuron*, 107 (3), 580-589. doi: 10.1016/j.neuron.2020.05.007
  11. Varughese, T., **Hoyt, C.R.**, Ikemenogo, P., Howdeshell, S., L'Hotta, A., Hosten, A., Abel, R., King, A.A. (2020). Stress and the home environment in caregivers of children with sickle cell disease. *Journal of Pediatric Psychology*, 45(5), 521-539. doi: 10.1093/jpepsy/jsaa016
  12. **Hoyt, C.R.**, Brown, S.K., Sherman, S.K., Wood-Smith, M., Van, A.N., Ortega, M., Nguyen, A., Lang, C.E., Schlaggar, B.L., Dosenbach, N.U.F. (2020). Using accelerometry for measurement of motor behavior in children: Relationship of real-world movement to standardized evaluation. *Research in Developmental Disabilities*, (96). doi: 10.1016/j.ridd.2019.103546
  13. **Hoyt, C.R.**, Fernandez J.D., Varughese, T.E., Grandgeorge, E., Manis, H.E., O'Connor, K.E., Chuck, A., Fisher, L.C., Abel, R. & King, A.A. (2020). Development of the Infant Toddler Activity Card Sort (ITACS). *OTJR: Occupational Therapy Journal of Rehabilitation*, 1-6. doi: 10.1177/1539449219852030
  14. **Hoyt, C. R.**, L'Hotta, A. J., Bauer, A., Chang, C.H., Varughese, T.E., Abel, R., & King, A. A. (2021). Activity competence among infants and toddlers with developmental disabilities: Rasch analysis of the Infant Toddler Activity Card Sort (ITACS). *Journal of Patient Reported Outcomes*, 5(14). doi: 10.1186/s41687-021-00287-0
  15. Laumann, T.O. Ortega, M., **Hoyt, C.R.**, Siegel, J., Seider, N., Hampton, J.M., Dierker, D.L., Coalson, R.S., Adeyemo, B., Gilmore, A.W., Nelson, S.M., Shimony, J.S., Greene, D.J., Gordon, E.M., Petersen, S.E., Schlaggar, B.L., Snyder, A.Z., Dosenbach, N.U.F. (2021). Brain network reorganisation in an adolescent after bilateral perinatal strokes. *The Lancet*, 20(4). doi: 10.1016/S1474-4422(21)00062-4.
  16. Newbold, D.J., Gordon, E.M., Laumann, T.O., Seider, N.A., Montez, D.F., Gross, S.J., Zheng, A., Nielsen, A.N., **Hoyt, C.R.**, Hampton, J.M., Ortega, M., Adeyemo, B., Miller, D.B., Van, A.N., Marek, S., Schlaggar, B., Carter, A.R., Kay, B.P., Greene, D.J., Raichle, M.E., Petersen, S.E., Snyder, A.Z., Dosenbach, N.U.F. (2021). Cingulo-opercular Control Network and disused motor circuits joined in standby mode. *PNAS*, 118(13). doi: 10.1073/pnas.2019128118.
  17. **Hoyt, C.R.**, Sherman, S.K., Brown, S.K., Miller, R.L, Van, A.N., Ortega, M., Nguyen, A.L., Newbold, D.J., Shimony, J.S., Schlaggar, B.L., Dosenbach, N.U.F. (2021). Towards a more comprehensive assessment of school age children with Cerebral Palsy. *Rehabilitation Process and Outcome*, 10, 1-8. doi: 10.1177/11795727211010500

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19. **Hoyt, C.R.,** Pearson, A.C., Skowronski, J., Lancaster, L., Reyes Smith, C., Daniel, A. Don't ignore the tipping point: A framework for DEI efforts in healthcare. (2021). *Education in Health Professions*.4, 33-36. doi: 10.4103/EHP.EHP\_11\_21
20. **Hoyt, C. R.,** Varughese, T., Erickson, J., Haffner, N., Luo, L., L'Hotta, A., Yaeger, L. & King, A.A. (2021). Developmental delays in infants and toddlers with Sickle Cell Disease: A Systematic Review. *Developmental Medicine and Child Neurology*. doi: 10.1111.dmcn.15048
21. **Hoyt, C.R.,** Housten, A.J., Harris, K.M., Millsap, M., Pearson, A.C., Taff, S.D., Connor, L.T. Allied health has a diversity problem: A novel strategy one program is using to build an inclusive environment and attract a more diverse workforce. (2021). *Journal of Best Practices in Healthcare Diversity: Education, Research & Policy*.14(1).
22. Xue, B., Licis, A., Boyd, J., **Hoyt, C.R.** & Ju, Y. Actigraphy is valid to detect sleep disturbance in children with cerebral palsy. (2022). *Sleep Medicine*. doi: 10.1016/j.sleep/2021.12.016
23. Myers, P. & **Hoyt, C.R.** Postdocs are doing it for themselves: peer mentorship and why it matters. (2022). *Journal of Life Sciences*.4(1), 1-9. doi: <https://doi.org/hkqh>
24. **Hoyt, C.R., Hurwitz, S.,** Luo, L., Varughese, T. & King, A.A. (2022). Behavioral Interventions to Support Children with Sickle Cell Disease: A Systematic Review. *Pediatric Blood and Cancer*. <https://doi.org/10.1002/pbc.30178>
25. **Hoyt, C.R., Erickson, J.,** Luo, L., Varughese, T., & King, A.A. (2023). Perspectives on the Implementation of Developmental Screening and Intervention for Children with Sickle Cell Disease. *Journal of Early Intervention*. [doi.org/10.1177/10538151231159637](https://doi.org/10.1177/10538151231159637)
26. Proffitt, R., Kraus, B., Jozkowski, A. C., Shea Lemoins, S., Kersey, J., Brick, R., Schwartz, J. K., & **Hoyt, C. R.** (2023). MeTooOT: Sexual harassment experiences of occupational therapy academic and systemic change recommendations. *OTJR: Occupation, Participation and Health*. <https://doi.org/10.1177/15394492231153120>
27. **Hoyt, C.R.,** Heitzer, A., Hardy, S. (2023). Commentary on the ASH 2020 Guidelines on Cognitive Screening and Intervention in Sickle Cell Disease. *Blood Advances*. [in press]

### Invited Chapters

1. **Hoyt, C.R.** Sickle Cell Disease. (2022). In: Conditions in Occupational Therapy. Atchinson, B. & Dirette, D.K. (Eds.). Lippincott Williams & Wilkins: Wolters Kluwer, Hagerstown, MD.
2. Kringle, E.A., **Hoyt, C.R.,** Caldwell, A., Swartz, J. Obtaining Funding for Your Research: Writing Your First Grant Proposal. In Kielhofner's Research in Occupational Therapy. F.A. Davis Company, Philadelphia, PA. *In press*.

### Invited Publications

1. Occupational Therapy's Distinct Value: Children & Youth: Resource for Administrators and Policy

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- Makers. (2015). American Occupational Therapy Association.
2. Occupational Therapy's Distinct Value: Children & Youth: Family Engagement. (2015). American Occupational Therapy Association.
  3. \*Wilson, S., Hunter-Bennett, C., Smith, C.R. & Hoyt, C.R. (2020). Occupational Therapy's Commitment to Diversity, Equity, and Inclusion. *American Journal of Occupational Therapy: Official Document*. (74). doi.org/10.5014/ajot.2020.74S3002
  4. Piazza, R., Hoyt, C.R., Urbin, M., Matthews, K., Sánchez, A. & Johnson, A. (2022). AOTA's Statement on Gun Violence. *American Journal of Occupational Therapy: Official Document*. 76(3). <https://doi.org/10.5014/ajot.2022.76S3009>
  5. Matthews, K., Sánchez, A., Johnson, A., Piazza, R., Hoyt, C.R., & Urbin, M. (2022). AOTA's Statement on Community Violence. *American Journal of Occupational Therapy: Official Document*. 76(3). <https://doi.org/10.5014/ajot.2022.76S3008>
  6. \*Barth, J., Hoyt, C.R. Evidence Perk: What is Implementation Science. (Invited). *OT Practice*, August 2021.
  7. Lyon, S. & Hoyt, C.R. Which OT Degree? (OT, OTD, PPOTD & More!). (Invited). *OT Potential*, August 2022. <https://otpotential.com/blog/occupational-therapy-degree>
  8. \*Hoyt, C.R. (2023). Inclusive Language: Approaches for OT Practice, Research and Education. (Invited). *OT Practice*, February 2023.

### Other Publications

1. Hoyt, C. (2011). Branching out: Occupational therapy for children with sickle cell disease. *OT Practice*, 16(14), 24-25.
2. Taff, S. & Hoyt, C. (2012). Going global in Guatemala: Supporting emerging occupational therapy practice in developing nations. *OT Practice*, 17 (21), 14-19.
3. Hoyt, C. (2013). Sickle cell disease in infants, children, and youth: Implications for rehabilitation and education. *Today in OT*. Gannett Education.
4. Harpster, K. & Hoyt, C. (2013). Sensory processing in autism. *Today in OT*. Gannett Education.
5. Reyes-Smith, C., Hoyt-Drazen, C. & Toth-Cohen, S. (2014). No hablo ingles: Working with non-English speaking clients. *OT Practice*, 19(22), 8-12.
6. Wilson, S., Anvarizadeh, A., Hoyt-Drazen, C., Holland, D., Kwebetchou, N., Reyes-Smith, C., & Skowronski, J. (2015). Diversity in the workforce: Perspectives from emerging leaders. *OT Practice*, 20(21), 19-21.
7. Hoyt-Drazen, C., Housten, A. & Van Voorhis, A. (2016). Career development: Securing a seat at the table. *OT Practice*, 21(4), 19-20.
8. Kringle, E.A. & Hoyt, C.R. (2020). Establishing peer mentorship relationships for successful transition to research careers. *OT Practice*, May 2020, 26-27.

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9. \*DeJesus, M., Oliver-Derry, K., Baldwin, E., Anvarizadeh, A., Lancaster, S., **Hoyt, C.R.** (2021). Acting in 2021 for occupational justice: Acknowledging roles, creating conversations, and taking action. *OT Practice*, May 2021.
10. \*Arroyo, A., Rogers, O., Carpenter, H., **Hoyt, C.R.** (2021). JEDI Training: Top 10 OT Readings for Getting Started in Justice, Equity, Diversity, and Inclusion. *OT Practice*, June 2021.
11. Connor, L.T., Taff, S. D., Millsap, M., **Hoyt, C.R.**, Houston, A.J., Harris, K.M., Pearson, A.C. (2021). Fostering dialogue on diversity, equity and inclusion through open space technology meetings. *OT Practice*, June 2021.

### Under Review

1. Ishmael, J., **Hoyt, C.R.**, Grajo, L., Gillan, G. Content validation of the Occupational Therapy Cultural Humility Reflection Tool (OT-CHRT). *Open Journal of Occupational Therapy*.
2. \*Taff, S.A., Clifton, M., Smith, C.R., Lipsey, K., **Hoyt, C.R.** Exploring professional theories, models and frameworks for justice-oriented constructs: A scoping review. *American Journal of Occupational Therapy*.
3. \*Jones, L., Smith, C.R., Pearson, A., Kwebetchou, N., Anvarizadeh, A., Smet, N., **Hoyt, C.R.** An Exploration of Practitioner and Student Perceptions of Diversity, Equity, and Inclusion in the Occupational Therapy Profession. *Open Journal of Occupational Therapy*.
4. Pabst, L, **Hoyt, C.R.**, Felling, R., Lo, W. Behavioral outcomes following perinatal stroke: A systematic review. *Developmental Medicine and Child Neurology*.
5. Schwartz, J., Kringle, E., Burns, S.P., **Hoyt, C.R.**, Harris, K.M. & Tayeb, S. Cardiovascular Outcomes, Health Promotion Behaviors, and Social Determinants: Structural Racism and the BRFSS. *Health Affairs*.
6. **Hoyt, C.R.**, Clifton, M., Smith, C.R. & Taff, S.A. The PPEO model for occupational therapy: Advancing justice and equity in research, education and clinical practice. *Occupational Therapy in Healthcare*.

### In Preparation

1. Seider, N.A., Montez, D.F., Van, A.N., **Hoyt, C.R.**, Hampton, J.M., Scheidter, K.M., Miller, R., Newbold, D.J., Zheng, A., Metoki, A., Chauvin, R.R., Marek, S., Laumann, T.O., Gordon, E., Limbrick, D.D., Zempel, J.M., Smyth, M.D., Roland, J.L., Kay, B.P., Shimony, J.S., Dosenbach, N.U.F. Individual Precision Diffusion Tensor Imaging of Hemispherectomy Patients. *Neuron*.
2. Coxon, M.L., **Hoyt, C.R.**, Wu, Y.C., da Silva Frônio, J. & Hadders-Algra, M. Neurodevelopmental research and novel approaches for early detection of motor deficits and early intervention in the Netherlands. *Advances in Rehabilitation Science*.

### Selected Presentations and Accepted Abstracts

1. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (May 2009). Curriculum Module for Parents of Young Children with Sickle Cell Disease and Concurrent Assessment of Child Development. Midwest Dean's Conference. St. Louis, MO.
2. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (May 2010). Cognition in Children with Sickle Cell Disease. World Federation of Occupational Therapy. Santiago, Chile.



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3. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (September 2010). Development in Young Children with Sickle Cell Disease. Sickle Cell Disease Association of America. Washington, D.C.
4. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (April 2011). Comprehensive Assessment Of Young Children With Sickle Cell Disease: Practice Model For Occupational Therapy. American Occupational Therapy Association. Philadelphia, PA.
5. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (May 2011). Comprehensive Assessment Of Young Children With Sickle Cell Disease: Practice Model For Occupational Therapy. Midwestern Deans Conference. St. Louis, MO.
6. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (September 2011). Using The Parents As Teachers Curriculum To Assist Parents Of Young Children With Sickle Cell Disease. Sickle Cell Disease Association of America. Memphis, TN.
7. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (October 2011). Using a Cellular Phone to Increase Participation in a Home-Based Parent Education Program. Institute for Public Health, Washington University. St. Louis, MO.
8. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (April 2012). Development in Young Children with Sickle Cell Disease. American Occupational Therapy Association. Indianapolis, IN.
9. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (September 2012). Using a Cellular Phone to Increase Participation in a Home-Based Parent Education Program. Sickle Cell Disease Association of America. Baltimore, MD.
10. **Hoyt, C.R.**, Lindsey, T., Abel, R.A., King, A.A. (October 2012). Using a Cellular Phone to Increase Participation in a Home-Based Parent Education Program. Institute for Public Health, Washington University. St. Louis, MO.
11. **Hoyt, C.R.**, Lindsey, T., Houston, A., Abel, R.A., King, A.A. (April 2013). Relationship of home environment to developmental outcomes of young children with Sickle Cell Disease. American Occupational Therapy Association. San Diego, CA.
12. Reyes-Smith, C., Hoyt, C.R. (April 2013). Tech Tools for OT Practice With Spanish-Speaking Clients. American Occupational Therapy Association. San Diego, CA.
13. Reyes-Smith, C., **Hoyt, C.R.**, Toth-Cohen, S., Holland, D. (April 2013). No Hablo Ingles: Client-Centered Occupational Therapy Practice with Spanish-Speaking Clients. American Occupational Therapy Association. San Diego, CA.
14. Reyes-Smith, C., Anvarizadeh, A., Holland, D., **Hoyt, C.R.**, Kwebetchou, N., Wilson, S. (April 2014). Diversity in the Workforce: Perspectives from Emerging Leaders. American Occupational Therapy Association. Baltimore, MD.
15. Chrzastowski, H., Baum, R., Hively, J., Hoyt, C., Taff, S. (April 2015). Evidence-Based Learning Experiences Developed to Achieve Occupational Therapy Ideals. American Occupational Therapy Association. Nashville, TN.

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16. Chrzastowski, H., Baum, R., Hively, J., Hoyt, C., Taff, S. (April 2015). *Becoming Globally-Connected: High Impact Approaches to Address Occupational Needs Using Low Tech in Developing Countries*. American Occupational Therapy Association. Nashville, TN.
17. **Hoyt, C.R.**, Reyes-Smith, C., Anvarizadeh, A., Kwebetchou, N., Wilson, S., Skowronski, J. (April 2015). *Actualizing the Centennial Vision: Promoting a Diverse Workforce*. American Occupational Therapy Association. Nashville, TN.
18. Reyes Smith, C., **Hoyt, C.**, Suarez Balcazar, Y., & Stoffel, A. (April 2016). *Terapia Pediátrica: Culturally-Responsive OT Practice with Spanish-Speaking Children and their Families*. American Occupational Therapy Association. Chicago, IL.
19. **Hoyt, C.**, Reyes Smith, C., Wilson, S., Pearson, A., Anvarizadeh, A., Skowronski, J. & Kwebetchou, N. (April 2016). *Developing a Diverse Workforce: Recruitment and Retention of a Diverse Occupational Therapy Student Body*. American Occupational Therapy Association. Chicago, IL.
20. Chrzastowski, H., Baum, R., Taff, S., **Hoyt, C.** (April 2016). *Bridging the Global Divide: Curriculum Development, Implementation, and Outcomes of International Service Learning*. American Occupational Therapy Association. Chicago, IL.
21. **Hoyt, C.**, Nguyen, A., Everett, E., Berner, M., Koller, J., Ragan, D., & Dosenbach, N. (May 2016). *Using Accelerometry to Describe Normative Motor Patterns across Development*. Occupational Therapy Summit of Scholars. Pittsburgh, PA.
22. **Hoyt, C.**, Nguyen, A., Everett, E., Berner, M., Koller, J., Ragan, D., & Dosenbach, N. (September 2016). *Using Accelerometry to Describe Normative Motor Patterns across Development*. Flux Society of Cognitive Neuroscience. St. Louis, MO.
23. Reyes-Smith, C., Suarez-Balcazar, Y., **Hoyt, C.R.**, Colon, A., Stoffel, A., Husband, M. (April 2016). *Terapia Pediátrica: Culturally-Responsive OT Practice with Spanish-Speaking Children and their Families*. American Occupational Therapy Association. Chicago, IL.
24. Reyes-Smith, C., Anvarizadeh, A., **Hoyt, C.R.**, Wilson, S., Pearson, A.C., Skowronski, J., Kwebetchou, N. (April 2016). *Developing a Diverse Workforce: Recruitment and Retention of a Diverse Occupational Therapy Student Body*. American Occupational Therapy Association. Chicago, IL.
25. **Hoyt, C.**, Nguyen, A., Everett, E., Berner, M., Koller, J., Ragan, D., & Dosenbach, N. (April 2017). *Using Accelerometry to Detect Upper Extremity Motor Deficits and Delays in Early Childhood*. American Occupational Therapy Association. Philadelphia, PA.
26. Oberle, S. C., **Hoyt, C.R.**, Mikush, C. & Chrzastowski, H. (April 2017). *Development and Implementation of a Student Led Service-Learning Curriculum. Strategies and Recommendations*. American Occupational Therapy Association. Philadelphia, PA.
27. **Hoyt, C.R.**, Jones, L. & Pearson, A. (April 2017). *Development of Evidence Based Community Outreach: Programs to Promote Diversity Discussions*. American Occupational Therapy Association. Philadelphia, PA.
28. Laumann, T. O., Gordon, E. M., Gilmore, A. W., Newbold, D. J., Greene, D. J., Berg, J. J., Ortega, M., **Hoyt-Drazen, C.**, Gratton, C., Sun, H., Hampton, J. M., Coalson, R. S., Nguyen, A., McDermott,

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- K. B., Shimony, J. S., Snyder, A. Z., Schlaggar, B. L., Petersen, S. E., Nelson, S. M., Dosenbach, N. U. F. (2017). Precision functional mapping of individual human brains. Poster presentation at Society for Neuroscience conference, Washington, DC
29. Newbold, D. J., Miller, D. B., Laumann, T. O., Ortega, M., **Drazen, C. H.**, Coalson, R. S., Nguyen, A. L., Hampton, J. H., Nielsen, A. N., Nelson, S. M., Gilmore, A. W., Berg, J. J., Greene, D. J., Gordon, E. M., Gratton, C., Schlaggar, B. L., Petersen, S. E., Mitra, A., Raut, R. V., Snyder, A. Z., Dosenbach, N. U. F. (2017). Resting brain activity reflects behavioral history. Poster presentation at Washington University Neuroscience Retreat, Potosi, Illinois
30. Newbold, D. J., Laumann, T. O., Ortega, M., **Hoyt-Drazen, C.**, Coalson, R. S., Nguyen, A. L., Hampton, J., Nielsen, A. N., Nelson, S. M., Gilmore, A. W., Berg, J. J., Greene, D. J., Gordon, E. M., Gratton, C., Schlaggar, B. L., Petersen, S. E., Mitra, A., Raut, R. V., Snyder, A. Z., Dosenbach, N. U. F. (2017). High-fidelity individual-subject resting state connectivity and task functional MRI demonstrate neuroplasticity induced by two weeks of upper extremity immobilization. Poster presentation at Organization for Human Brain Mapping conference, Vancouver, Canada
31. Newbold, D. J., Laumann, T. O., Ortega, M., **Drazen, C. H.**, Coalson, R. S., Nguyen, A. L., Hampton, J. M., Nielsen, A. N., Nelson, S. M., Gilmore, A. W., Berg, J. J., Greene, D. J., Gordon, E. M., Gratton, C., Schlaggar, B. L., Petersen, S. E., Mitra, A., Raut, R. V., Snyder, A. Z., Dosenbach, N. U. F. (2017). High-fidelity functional MRI detects neuroplasticity following upper extremity immobilization. Poster presentation at Hope Center for Neurological Diseases Retreat, St. Louis, Missouri
32. Newbold, D. J., Laumann, T. O., Ortega, M., **Drazen, C. H.**, Coalson, R. S., Nguyen, A. L., Hampton, J. M., Nielsen, A. N., Nelson, S. M., Gilmore, A. W., Berg, J. J., Greene, D. J., Gordon, E. M., Gratton, C., Schlaggar, B. L., Petersen, S. E., Mitra, A., Raut, R. V., Snyder, A. Z., Dosenbach, N. U. F. (2017). High-fidelity functional MRI detects neuroplasticity following upper extremity immobilization. Poster presentation at Washington University Medical Scientist Training Program Retreat, Potosi, Illinois
33. Newbold, D. J., Laumann, T. O., Ortega, M., **Drazen, C. H.**, Coalson, R. S., Nguyen, A. L., Hampton, J. M., Nielsen, A. N., Nelson, S. M., Gilmore, A. W., Berg, J. J., Greene, D. J., Gordon, E. M., Gratton, C., Schlaggar, B. L., Petersen, S. E., Mitra, A., Raut, R. V., Snyder, A. Z., Dosenbach, N. U. F. (2017). High-fidelity functional MRI detects neuroplasticity following upper extremity immobilization. Poster presentation at Klingenstein Third Generation Fund National Medical Student Conference, New Haven, Connecticut
34. **Hoyt, C.R.**, Van, A., Ortega, M., Koller, J., Everett, E.A., Nguyen, A., Lang, C.E., Schlaggar, B.L. & Dosenbach, N.U.F. (June 2018). Accelerometry for the Early Detection of Motor Deficits in Children. Occupational Therapy Summit of Scholars. Kansas City, KS.
35. **Hoyt, C.R.**, Van, A., Ortega, M., Koller, J., Everett, E.A., Nguyen, A., Lang, C.E., Schlaggar, B.L. & Dosenbach, N.U.F. (August 2018). Accelerometry for the Early Detection of Motor Deficits in Children. Flux Society of Cognitive Neuroscience. Berlin, Germany.
36. **Hoyt, C.R.**, Van, A., Ortega, M., Koller, J., Everett, E.A., Nguyen, A., Lang, C.E., Schlaggar, B.L. & Dosenbach, N.U.F. (October 2018). Accelerometry for the Early Detection of Motor Deficits in Children. American Academy of Cerebral Palsy and Developmental Medicine. Cincinnati, OH.

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37. Newbold, D. J., Laumann, T. O., **Hoyt, C. R.**, Miller, D. B., Hampton, J. M., Ortega, M., Raut, R. V., Marek, S., Nielsen, A. N., Greene, D. J., Shimony, J. S., Barch, D. M., Schlaggar, B. L., Petersen, S. E., Snyder, A. Z., Dosenbach, N. U. F. (2018). Use-driven plasticity in human brain networks. Oral presentation at Washington University Neuroscience Retreat, Potosi, Illinois
38. Newbold, D. J., Laumann, T. O., Miller, D. B., Ortega, M., **Hoyt, C. R.**, Hampton, J. M., Nielsen, A. N., Greene, D. J., Schlaggar, B. L., Petersen, S. E., Snyder, A. Z., Dosenbach, N. U. F. (2018) Prolonged arm constraint drives dramatic reorganization of human brain networks. Poster presentation at Flux Congress, Berlin, Germany
39. Fontes, A.M., Grabill, M.S., **Hoyt, C.R.**, Oberle, S.C., Chrzatowski, H., Milton, L.E. (April 2019). Evaluating the Effectiveness of International Service Learning on the Development of Cultural Sensitivity Skills in Occupational Therapy Students. American Occupational Therapy Association. New Orleans, LA.
40. Chuck, A., **Hoyt, C.R.**, Pilney, L., Fernandez, J., Abel, R. & King, A.A. (April 2019). Psychometric properties of the Infant Toddler Activity Card Sort (ITACS). American Occupational Therapy Association. New Orleans, LA.
41. **Hoyt, C.R.**, Fernandez J.D., Varughese, T.E., Grandgeorge, E., Manis, H.E., O'Connor, K.E., Chuck, A., Fisher, L.C., Abel, R. & King, A.A. (April 2019). Development of the Infant Toddler Activity Card Sort (ITACS). American Occupational Therapy Association. New Orleans, LA.
42. **Hoyt, C.R.**, Van, A., Ortega, M., Koller, J., Everett, E.A., Nguyen, A., Lang, C.E., Schlaggar, B.L. & Dosenbach, N.U.F. (April 2019). Early Detection of Pediatric Motor Deficits with Accelerometry. American Occupational Therapy Association. New Orleans, LA.
43. Newbold, D. J., Laumann, T. O., **Hoyt, C. R.**, Hampton, J. M., Ortega, M., Nguyen, A. L., Miller, D. B., Marek, S., Nielsen, A. N., Montez, D. F., Adeyemo, B., Schlaggar, B. L., Greene, D. J., Gordon, E. M., Petersen, S. E., Snyder, A. Z., Dosenbach, N. U. F. (2019) Pulses of spontaneous activity drive functional connectivity changes in disused brain networks. Poster presentation at Organization for Human Brain Mapping conference, Rome, Italy
44. Newbold, D. J., Laumann, T. O., **Hoyt, C. R.**, Hampton, J. M., Ortega, M., Nguyen, A. L., Miller, D. B., Marek, S., Nielsen, A., Montez, A., Adeyemo, B., Schlaggar, B. L., Greene, D. J., Gordon, E. M., Petersen, S. E., Snyder, A. Z., Dosenbach, N. U. F. (2019) Disuse drives plasticity in human brain networks. Oral presentation at Organization for Human Brain Mapping conference, Rome, Italy
45. Newbold, D. J., Gordon, E. M., Laumann, T. O., **Hoyt, C. R.**, Hampton, J. H., Ortega, M., Raichle, M. E., Petersen, S. E., Snyder, A. Z., Dosenbach, N. U. F., (2020) Pulses of spontaneous activity drive functional connectivity changes in disused brain networks. Poster presentation at Klingenstein Third Generation Fund National Medical Student Conference, New Orleans, Louisiana
46. **Hoyt, C.R.**, Chuck, A., Varughese, T., Fisher, L., Manis, H.E., Wong, A.W.K., Abel, R.A. & King, A.A. (cancelled, COVID-19). Psychometrics of the Infant-Toddler Activity Card Sort: A Caregiver-Reported Measure of Children's Occupational Engagement in Family Routines. Occupational Therapy Summit of Scholars. Fort Collins, CO.
47. **Hoyt, C.R.**, Chuck, A., Varughese, T., Fisher, L., Abel, R.A. & King, A.A. (cancelled, COVID-19). Psychometrics of the Infant-Toddler Activity Card Sort. American Occupational Therapy Association. Boston, MA.

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48. Grootwassink, T., Weber, C., **Hoyt, C.R.**, Oberle, S.C. & Milton, L. (cancelled, COVID-19). Evaluation of a Curriculum on Efficacy in Preparing Students for an International Service-Learning Trip. American Occupational Therapy Association.
49. Nguyen, A., Sherman, E., Hoyt, C.R. & Anvarizadeh, A. (cancelled, COVID-19). Developing a COTAD Chapter to Enhance OT Student Leadership in Diversity and Inclusions: A Case Study. American Occupational Therapy Association.
50. Lambert, M., Valencia, H., Skowronski, J. & **Hoyt, C.R.** (cancelled, COVID-19). A Developing Mentorship Program for Underrepresented OT Students & Practitioners: Lessons Learned & Future Directions. American Occupational Therapy Association.
51. Newbold, D. J., Gordon, E. M., Laumann, T. O., **Hoyt, C. R.**, Hampton, J. M., Ortega, M., Raichle, M. E., Petersen, S. E., Snyder, A. Z., Dosenbach, N. U. F., (2020). Cingulo-opercular network connects to disused motor circuits via spontaneous activity pulses. Poster presentation at Organization for Human Brain Mapping conference, online
52. Harris, K., L'Hotta, A., **Hoyt, C.R.**, Treadwell, M., King, A.A. (2021). Establishing a Research-School Partnership to Support School-Based Asthma Management. Society for Research in Child Development. Virtual.
53. **Hoyt, C.R.**, L'Hotta, A., Bauer, A., Chang, C.H., Varughese, T., King, A.A.. (2021). Activity Engagement among Infants and Toddlers with Developmental Disabilities: Rasch Analysis of the Infant Toddler Activity Card Sort (ITACS). American Occupational Therapy Association. Virtual.
54. **Hoyt, C.R.**, Varughese, T., White, D., King, A.A. (2021). Early Detection of Developmental Delay in Infants and Toddlers with Sickle Cell Disease. *Works in Progress*. Occupational Therapy Summit of Scholars. Virtual.
55. Chang, N., Higgins, S., Bryant, K. & **Hoyt, C. R.** (2022). Be in the Room Where it Happens: DEI and OT. American Occupational Therapy Association. San Antonio, TX.
56. **Hoyt, C.R.**, Erickson, J., Luo, L., Houston, A., King, A. A. (2022). Parent and Provider Perspectives on a Developmental Screening and Therapy Referral Program for Children 0-3 Years with Sickle Cell Disease. American Occupational Therapy Association. San Antonio, TX.
57. **Hoyt, C.R.**, Erickson, J., Luo, L., Houston, A., King, A. A. (2022). Parent and Provider Perspectives on a Developmental Screening and Therapy Referral Program for Children 0-3 Years with Sickle Cell Disease. Institute for Clinical and Translational Sciences, Washington University School of Medicine. St. Louis, MO.
58. **Hoyt, C.R.**, Erickson, J., Luo, L., Houston, A., King, A. A. (2022). Parent and Provider Perspectives on a Developmental Screening and Therapy Referral Program for Children 0-3 Years with Sickle Cell Disease. Society for Research in Child Development. St. Louis, MO.
59. Schwartz, J.K., Kringle, E., Harris, K., **Hoyt, C.R.**, & Burns, S. (In 2023). Inequities in cardiovascular outcomes, adherence to preventative guidelines, and the impact of race-based systemic barriers on health management. *American Occupational Therapy Association*. Kansas City, MO, United States.
60. Castellanos, D., **Hoyt, C.R.**, Knipmann, K., Harris, K., Furio, H. (2023). Furthering Diversity, Community, & Leadership in the Field of OT: Occupational Therapy: The Development of a High School

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Mentorship Program. *American Occupational Therapy Association*. Kansas City, MO, United States.

61. Hamed, R., Higgins, S., Jedlicka, J., **Hoyt, C.R.**, Hamdan, S., Bryant, K. (2023). Investing in a Culture of Inclusion: Strategy Building for Recruiting & Retaining a Diverse Faculty [short course presentation]. *American Occupational Therapy Association*. Kansas City, MO, United States.
62. **Hoyt, C.R.**, Clifton, M., Smith, C.R., Taff, S.D. (2023). Transforming OT for the 21st Century: Recognize Privilege, Acknowledge Injustice, Reframe Perspective, & Reach Equity Model. *American Occupational Therapy Association*. Kansas City, MO, United States.
63. Weaver, J., Juckett, L., Kinney, A., **Hoyt, C.R.** (2023). Exploring the Barriers to & Facilitators of Advancing Evidence-Based Practice Using Implementation Science. *American Occupational Therapy Association*. Kansas City, MO, United States.
64. **Hoyt, C.R.**, Hamed, R., Bryant, K., Hamdan, S., Jedlicka, J., Higgins, S., Harris, K., (2023). Investing in a Culture of Inclusion: Strategy Building for How to Create an Inclusive Classroom Environment—Part 1 [short course presentation]. *American Occupational Therapy Association*. Kansas City, MO, United States.
65. Han, T., **Hoyt, C.R.**, Britts, R. (2023). Mental Health among Caregivers of Children with Sickle Cell Disease. Rare Diseases Day at Washington University School of Medicine. St. Louis, MO.
66. Proffitt, R., Kraus, B., Jozkowski, A. C., Shea Lemoins, S., Kersey, J., Brick, R., Schwartz, J. K., & **Hoyt, C. R.** (2023). MeTooOT: Sexual harassment experiences of occupational therapy academic and systemic change recommendations. OT Summit of Scholars. Columbus, OH.
67. Proffitt, R. M., Kraus, B. G., Jozkowski, A. C., Kersey, J., Brick, R. S., Schwartz, J., **Hoyt, C. R.**, & Shea Lemoins, S., N. (2023). MeTooOT: Sexual harassment experiences of occupational therapy academic and recommendations for systemic change [paper presentation]. American Congress of Rehabilitation Medicine Annual Conference, Atlanta, GA.
68. Kraus, B. G., Jozkowski, A. C., S., Schwartz, J., Proffitt, R. M., Shea Lemoins, S., N., Kersey, J., Brick, R., & **Hoyt, C. R.** (2023). #MeTooOT: Implications of Sexual Harassment on the Future of Occupational Science and Occupational Therapy Research [paper presentation]. Society for Study of Occupation: USA Annual Conference, St.Louis, MO.

### Honorary Talks

1. Plenary Speaker. Beyond the Buzzwords: Maximizing Participation through Inclusion, Illinois State Occupational Therapy Association Annual Meeting, Chicago, Illinois; September 2018.
2. Invited panelist. AOTA Inspire: Inclusivity and Client-Centered Practice. Virtual Panelist. April 2021.
3. Commencement Address. Applying OT Lessons to Take Action for Inclusion. Washington University, Program in Occupational Therapy, St. Louis, Missouri; May 2021.
4. Invited Workshop. Volunteer Leadership: Cultivating the Next Generation of Occupational Therapy Leaders. Occupational Therapy Association of California. Los Angeles, California; June 2021.
5. Invited Workshop. Inclusive Fieldwork Education. Gateway Occupational Therapy Education Council. June 2022.
6. Invited Research Lecture. Research and Clinical Practice: How Clinical Practice Informs Research. University of Tennessee Health Sciences. August 2022.
7. Coalition of Occupational Therapy Advocates for Diversity. 10 Year Anniversary Founders

## Curriculum Vitae

Discussion and Luncheon. April 2023.

### Invited Presentations

1. First Steps and Parents as Teachers. ARCH's Health and Safety Institute for Early Childhood and Youth Development Professionals. Harris Stowe University, 2013
2. Intervention Techniques for Working with Children with Special Needs. Continuing Education Series for Daycare Providers: St. Louis Community College, 2014
3. Pediatric Chat for Spanish-Speaking Clients, American Occupational Therapy Association, Podcast, Spring 2015.
4. Working with Non-Native English speakers, American Occupational Therapy Association, Podcast, Spring 2015.
5. Building Your Skills for In-Home Visits with Families Workshop, Brown School of Social Work Education Series, St. Louis, Missouri; March 2015.
6. Outside the Classroom with an Occupational Therapist, Invited Interview for TEACH.com, September 2016.
7. Neurological Conditions and Child Development Panel, Missouri Occupational Therapy Association, St. Louis, Missouri; October 2016.
8. Promoting a Diverse Occupational Therapy Workforce, Gateway Occupational Therapy Education Council, St. Louis, Missouri; July 2018.
9. Beyond the Buzzwords: Maximizing Participation through Inclusion, Illinois State Occupational Therapy Association Annual Meeting, Plenary Speaker, Chicago, Illinois; September 2018.
10. Understanding Bias: Strategies for Culturally Responsive Care, Saint Louis University, Program in Occupational Therapy. St. Louis, Missouri; December 2018.
11. Professional Issues in Occupational Therapy: Leadership. Medical University in South Carolina. Charleston, South Carolina. 2018, 2019
12. Journal Club: Relationship of Spontaneous Movements of Preterm Infants to Caregiver Interaction; Department of Developmental Neurology, University of Groningen. Groningen, Netherlands; July 2019.
13. Evidence Based Strategies for Culturally Responsive Care, Saint Louis University, Program in Occupational Therapy. St. Louis, Missouri; November 2019.
14. Women + Femme in STEM, Saint Louis University; November 2019.
15. Pediatric Occupational Therapy, Harris-Stowe State University, February 2020
16. AOTF: Addressing the Need for More Evidence in OT: Issues Impacting OT Research Related to Funding Opportunities, Diversity and Scholarly Training, American Occupational Therapy Association; March 2020 (canceled, COVID-19)

## Curriculum Vitae

17. Emotional Intelligence during the OTD Capstone Project and Beyond. Medical University in South Carolina. Charleston, South Carolina; February 2021.
18. Diversity, Equity and Inclusion in Occupational Therapy. Xavier University; February 2021.
19. Creating New Pathways in Occupational Therapy: Inclusion is the What, Why and How. Stanbridge University; February 2021.
20. AOTA Inspire: AOTA Invited Panel: Inclusivity and Client-Centered Practice. Panelist. Virtual; April 2021.
21. Occupational Therapy and Social Justice: What do we do next? Stanbridge University; June 2021.
22. Conversation with the Authors. Medical University of South Carolina, COTAD Chapter. Occupational Therapy's Commitment to Diversity, Equity and Inclusion. *American Journal of Occupational Therapy: Official Document*. Panelist. July 2021.
23. Developing an Organization in Occupational Therapy: Lessons Learned and Strategies for Success. Occupational Therapists for Ecological Action. October 2021.
24. Panelist. Kids and COVID: A Question about Masking. Pitch Partners, Center for Community Health Partnership and Research, Institute for Public Health and Institute of Clinical and Translational Sciences at Washington University. October 2021.
25. Panelist. Don't Ignore the Tipping Point Article Discussion. Coalition of Occupational Advocates for Diversity (COTAD) Book+ Club. November 2021.
26. Diversity, Equity and Inclusion in Occupational Therapy. Stanbridge University; February 2022; June 2022.
27. Diversity, Equity and Inclusion. Leadership and Supporting Students. Brenau University; July 2022.
28. Diversity, Equity and Inclusion in OT Education: AOTA DEI Initiatives and Resources. Keiser University; September 2022.
29. Interprofessional Leadership Lunchtime Series. Entrepreneurship in Healthcare- Research, Practice, and Education. Medical University of South Carolina, College of Health Professions; November 2022.
30. Panel Facilitator. Intersection of Social Determinants of Health and Implementation Science, in Excellent in Career Development for SDoH and Implementation Research. National Institutes of Health, National Heart, Lung and Blood Institute; December 2022. Virtual.
31. Early Childhood Development in Sickle Cell Disease: Screening and Intervention. I-ACQUIRE Principal Investigators Committee; April 2023. Virtual.
32. Roundtable Discussant and Invited Speaker. Diversity, Equity and Inclusion in Rehabilitation Research. American Society of Neurorehabilitation. Charleston, South Carolina, USA. March 2023.

## Other Media

## Podcasts



## Curriculum Vitae

1. American Occupational Therapy Association. (Producer). Reyes-Smith, C. & Hoyt-Drazen, C (Authors). (2015). Working with non-native English speakers. [Audio podcast].
2. American Occupational Therapy Association. (Producer). Reyes Smith, C. & Hoyt Drazen, C. (2015). AOTA Live Pediatric Chat for Spanish-speaking clients. [Audio recording].
3. On the Air Podcast Hosted by Stephanie Lancaster. (Producer). Hoyt, C. R. (2017). Advocacy and Innovation. [Audio recording].
4. OT Potential. Sarah Lyon. (Producer). Disparities in Supports for Autism in Latino Families: Discussing the Research with Cristina Reyes Smith & Catherine Hoyt. (2021). [<https://podcasts.apple.com/us/podcast/ot-potential-podcast-occupational-therapy-ceus/id1457380767>].
5. OT Potential. Sarah Lyon. (Producer). Constraint-Induced Movement Therapy in Pediatrics with Catherine Hoyt. (2022). [<https://podcasts.apple.com/us/podcast/ot-potential-podcast-occupational-therapy-ceus>].
6. Harris, K. & Hoyt, C.R., Washington University School of Medicine, Program in Occupational Therapy (producers). (Sept 2022-Present), *Demystifying Research*. [<https://sites.wustl.edu/demystifyingresearch/>]
7. Moxie OT. Sarah Zera. (Producer). Research and Occupational Therapy. August 2023. [<https://www.moxieot.com/podcast>]

## Videos

1. Harris, K. & Hoyt, C.R., Washington University School of Medicine, Program in Occupational Therapy (producers). (July 2021-Sept 2022), *First Fridays for OT Research Monthly Series*. <<https://youtube.com/playlist?list=PL-xtHBgVuHv60-mpMHMCEpppMhh-0bYXY>>
2. Washington University in St. Louis. (Producer). Program in Occupational Therapy: PhD Alumna Catherine Hoyt. (2020). [<https://www.youtube.com/watch?v=gmBkIZwMVqo>]
3. Washington University in St. Louis. (Producer). Catherine Hoyt's Graduate Leadership Credential. (2019). [[https://www.youtube.com/watch?v=B-\\_nCRUtRCo](https://www.youtube.com/watch?v=B-_nCRUtRCo)]
4. KDSK News. (Producer). Detecting Brain Damage in Infants. (2019). [<https://www.youtube.com/watch?v=2xjt6VNqGrU>]
5. Working to Improve Sickle Cell Healthcare (WISCH) Transition Affinity Group, National Institute for Children's Health Quality. (Producer). Moving on Up to Adult Hematology. (2013). [<http://sicklecell.nichq.org/solutions/working-to-improve-sickle-cell-healthcare>]

## Conferences/Workshops/Training

- 2023 American Occupational Therapy Association, Kansas City, MO.
- 2023 American Society for Neurorehabilitation
- 2022 Academy Health 15<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation in Health. Washington, D.C.
- 2022 Human-Centered Design for Implementation & Impact. University of Wisconsin-

## Curriculum Vitae

- Madison, Dissemination & Implementation Launchpad.
- 2022 Society for Research in Child Development: Toward a Holistic Developmental Science: Catalyzing Transdisciplinary Multi-Sector Collaborations to Understand and Support Human Development.
- 2022 Occupational Therapy Summit of Scholars, Madison, WI.
- 2022 American Occupational Therapy Association, San Antonio, TX.
- 2022 Workshop in Implementation Science and Health Services: Advancing Grant Writing Skills for Rehabilitation Researchers, Washington, D.C.
- 2021 Journal Club on Race and Science, Race & Opportunity Lab. Brown School of Social Work at Washington University.
- 2021 American Occupational Therapy Association, Virtual.
- 2021 Capstone and Mentorship as Scholarship, Northern Arizona University. Virtual.
- 2020 13th Annual Conference on the Science of Dissemination and Implementation in Health. Virtual.
- 2020 American Occupational Therapy Association, Virtual.
- 2020 Dissemination and Implementation Research: An Introductory Workshop for Investigators, Clinical Research Training Center, Washington University School of Medicine in St. Louis
- 2020 Rehabilitation Research at NIH: Envisioning a Functional Future. Virtual.
- 2020 COTAD Live! Diversity, Equity and Inclusion in Occupational Therapy. Virtual.
- 2019 Developmental Changes in Paediatric Neurodisability, Groningen, Netherlands.
- 2019 American Occupational Therapy Association, New Orleans, LA.
- 2018 American Academy of Cerebral Palsy and Developmental Medicine. Cincinnati, OH.
- 2018 Illinois Occupational Therapy Association Annual Meeting. Chicago, IL.
- 2018 Flux Society of Cognitive Neuroscience. Berlin, Germany.
- 2018 Occupational Therapy Summit of Scholars. Kansas City, KS
- 2018 American Occupational Therapy Association, Salt Lake City, UT
- 2017 American Occupational Therapy Association, Philadelphia, PA
- 2016 American Occupational Therapy Association Academic Leadership Council Meeting. San Diego, CA
- 2016 Society for Integrative Developmental Cognitive Neuroscience. St. Louis, MO
- 2016 Comprehensive Opportunities for Rehabilitation Research Training Workshop. Pittsburgh, PA.
- 2016 American Occupational Therapy Association, Chicago, IL
- 2016 Occupational Therapy Summit of Scholars. Pittsburgh, PA
- 2016 Rehabilitation Research at NIH: Moving the Field Forward. Bethesda, MD
- 2015 American Occupational Therapy Association, Nashville, TN
- 2014 American Occupational Therapy Association, Baltimore, MD
- 2013 American Occupational Therapy Association, San Diego, CA
- 2012 American Occupational Therapy Association, Indianapolis, IN
- 2011 American Occupational Therapy Association, Philadelphia, PA
- 2011 Sickle Cell Disease Association of America, Memphis, TN

## **Curriculum Vitae**

2010 Sickle Cell Disease Association of America, Washington D.C.

2010 World Federation of Occupational Therapy, Santiago, Chile

2009 American Occupational Therapy Association, Houston, TX

### **Department and University Seminars**

Institute of Public Health Annual Conference

Leadership Seminar Series

Neurorehabilitation Grand Rounds Series

Comprehensive Opportunities for Rehabilitation Research Training Talk Series

Scientific Grant Writing Series

Rehabilitation and Participation Science Seminar

Program in Occupational Therapy Annual Scholarship Day

Washington University Network for Dissemination and Implementation Research