A toolbox is essential in the trades because it provides the user with easy access to indispensable tools. Tools that measure (e.g., tape measure, try square, caliper) are included in all toolboxes and are considered fundamental to producing high quality outcomes. There are many adages that tell us how to use the measurement tools in our toolboxes:

- Measure twice, cut once!
- You need the right tool for the right job!

Toolboxes and measurement tools are also important in science and research. In How We Know: An Exploration of the Scientific Process (1978), Goldstein and Goldstein proposed that "while not every scientific fact is a numerical one, nor every scientific theory a predictor of numerical magnitudes, so many are that we cannot conceive of modern science without the process of measurement."

Investments in the creation of measurement tools and toolboxes are evident in many recent research initiatives. In 2006, the National Institutes of Health (NIH) office of the director and 16 institutes and centers collaborated to develop the Blueprint for Neuroscience Research. The Blueprint recommended that obstacles associated with the lack of uniformity in neurological and behavioral measurement be addressed in a coordinated way. To this end, the Blueprint funded the development of the NIH Toolbox for Assessment of Neurological and Behavioral Function. The NIH Toolbox is described as a "multi-dimensional set of brief, royalty-free measures to assess cognitive, sensory, motor and emotional function that can be administered in two hours or less across diverse study designs and settings." The measures may be used by researchers and clinicians to assess function in individuals from 3-85 years old and are intended to

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AOTF will celebrate its 50th Anniversary at the AOTA 2015 Annual Conference. Discover Nashville on our bus and
Quality measurement has also been emphasized in occupational therapy research. Assessment and measurement goals and priorities are identified in the 2011 AOTF/AOTA Research Agenda. The AOTF Intervention Research Grant (IRG) Program provides funding for studies that incorporate sound measures and lay the foundation for larger intervention studies. We hope you recognize the importance of investing in research that is based on high quality measurement tools. The online donation site at AOTF (www.aotf.org) is always open.

We invite our readers to submit research opportunities to our communications associate, Helene Ross for publication in the next edition of Research Resources. As always, we thank you for the news alerts you share with us, your ideas on ways we can improve this monthly newsletter, and your financial support of AOTF.

Warm regards,

Julie D. Bass, PhD, OTR/L, FAOTA
Associate Director, Institute for the Study of Occupation and Health
Director of Research

Resource Notes:

NIH Toolbox for Assessment of Neurological and Behavioral Function

The importance of quality, reliable and validated evaluation tools to measure outcomes is not news to occupational therapy researchers and practitioners. The American Occupational Therapy Association (AOTA) published Ina Elfant Asher's first edition of An Annotated Index of Occupational Therapy Evaluation Tools in 1989. In 2014, the AOTA Press published the fourth edition. In 1997, the American Occupational Therapy Foundation (AOTF) announced its plan for a Measurement Workshop, and in the Fall 2006 issue of OTJR: Occupation, Participation and Health, guest editor Wendy Coster, PhD, OTR/L, FAOTA introduced a special issue that highlighted instruments to identify and measure a researcher's "...interest in activity, participation, or features of the environment in which the person is living his or her daily life", (p. 131).


Coster, W. J. (2006). Editorial: The road forward to better measures for walking tour, Wednesday, April 15 and help us celebrate our anniversary with champagne and chocolates at our Gala in the Conservatory of the Country Music Hall of Fame, Friday evening, April 17.

The Breakfast with a Scholar (Friday morning, April 17) will be a moderated discussion on the future of occupational therapy with Glen Gillen, EdD, OTR, FAOTA (moderator), Carolyn Baum, PhD, OTR/L, FAOTA and Florence Clark, PhD, OTR/L, FAOTA.

The inaugural AOTF State of the Science Symposium will feature internationally renowned scientists Leeanne Carey, PhD, BAppSci(OT), MPH, OTR/L, FAOTA and Winnie Dunn, PhD, OTR, FAOTA to summarize the current evidence regarding the influence of sensory function on daily life, Friday afternoon, April 17.

Contribute photos of past AOTF events for inclusion in a special anniversary commemoration.

Send to: aotfis50@aotf.org

OTJR Seeks Articles

OTJR: Occupation, Participation and Health, a peer-reviewed journal, encourages submission of original research reports of assessment/measurement development, efficacy of interventions (preventive, restorative, and compensatory), intervention outcomes, translational research, and basic research (including occupational science). OTJR is now indexed in MEDLINE/PubMed.

OTJR: Occupation, Participation and Health: Fall 2014

OTJR: Occupation, Participation and Health, published quarterly by the American Occupational Therapy Foundation, Inc., offers original research articles of professional interest to the practicing OT with a focus on occupation and fostering interdisciplinary research.

Of course, the development of the NIH Toolboxes is an ambitious project that will have a significant impact across multiple disciplines. The following seven articles provide background reading.

Occupational therapy researchers and practitioners have or are participating in the development of the NIH Toolboxes. Some of these colleagues have co-authored the following articles and are identified in bold print. By visiting the resources Dr. Bass provides in her letter, you will find other colleagues listed.

Mary Binderman, MSLS
The Wilma L West Library
American Occupational Therapy Foundation

**Doctoral, Post-Doctoral and Research Training Opportunities**

**Post-Doctoral Training Program in Intellectual and Developmental Disabilities Research**
The Waisman Center at the University of Wisconsin-Madison is recruiting post-doctoral trainees for its NIH-funded Post-Doctoral Training Program in Intellectual and Developmental Disabilities Research. Appointments will be for 2 years beginning in the summer or fall of 2015. The program provides multidisciplinary training in social, epidemiological, behavioral, and biobehavioral research on intellectual and developmental disabilities. Its emphasis is on understanding social, affective, communicative, and family processes as they relate to intellectual and developmental disabilities. They are seeking candidates who are committed to a research career in intellectual and developmental disabilities, have completed prior research and training in the field, and have an outstanding academic record. Apply by January 15, 2015.

**Veterans Program at Colorado State University**
The New Start for Student Veterans program at the Colorado State University provides educational and community-based supports for post-9/11 veterans with significant disabilities seeking college degrees. A comprehensive research and development program has been initiated which integrates evidence-based intervention programs fostering resilience and enhanced academic and participation outcomes for student veterans. In offering a PhD in Occupation and Rehabilitation Science, the Department of Occupational Therapy faculty intend to integrate occupational science and rehabilitation science: two highly synergistic academic areas. For more information see the program flyer and direct inquiries to Dr. Aaron M. Eakman. Application deadline: February 2, 2015 but applicants are encouraged to apply early.

**Equine-Assisted Activities and Therapy Doctoral Fellowship**
This interdisciplinary PhD program in Occupation and Rehabilitation Science at Colorado State University focuses on the study of human performance and participation in everyday occupations and contexts across the lifespan. This mentored doctoral fellowship will support in-depth immersion of a doctoral student in the study of the efficacy of equine-assisted activities and therapy in relationship to participation in everyday occupations. Applicants are asked to contact Dr. Wendy Wood in advance of the February Visit: [OTJR Online](http://www.otjr.com).

**GUEST EDITORIAL**

In Memoriam: Jane Douglas Case-Smith (September 5, 1953 - July 30, 2014)
Shawn C. Roll, PhD, OTR/L, CWCE, RMSK; Amy R. Darragh, PhD, OTR/L, FAOTA; Jane Clifford O'Brien, PhD, OTR/L, FAOTA; Thomas F. Fisher, PhD, OTR, CCM, FAOTA

**FEATURE ARTICLES**

Efficacy of an Occupational Therapy Driving Intervention for Returning Combat Veterans
Sherillene Classen, PhD, MPH, OT Reg. (Ont.), FAOTA; Nicole Leigh Cormack, BHS; Sandra M. Winter, PhD, OTR/L; Miriam Monahan, MS, OTR/L, CDRS; Abraham Yarney, MS; Amanda Link Lutz, MOT, OTR/L, DRS; Kyle Platek, OTR/L, DRS

Systematic Review of Apraxia Treatments to Improve Occupational Performance Outcomes
Kathryn Lindsten-McQueen, OTD, OTR/L; Nikki Williamson Weiner, OTD, OTR/L; Hsin-Yen Wang, OTD, OTR/L; Naomi Josman, PhD; Lisa Tabor Connor, PhD, MSOT

The Social Context of Occupations: Analysis of a Father Feeding his Daughter Diagnosed with Cerebral Palsy
Aaron Bonsall, PhD

Guided and Directed Cues: Developing a Standardized Coding Scheme for Clinical Practice
Joelle R. Urquhart, BS; Elizabeth R. Skidmore, PhD, OTR/L

Building a Framework for Implementing New Interventions
Alison M. Cogan, MA, OTR/L; Erna I. Blanche, PhD, OTR/L, FAOTA; Jesús Díaz, OTD, OTR/L; Florence A. Clark, PhD, OTR/L, FAOTA; Sophia Chun, MD
News to Use and Share

Ebola Resources
The federal Centers for Disease Control (CDC) has an extensive Ebola website, which is updated frequently. Of note, CDC recently updated their "Guidance on Personal Protective Equipment To Be Used by Healthcare Workers During Management of Patients with Ebola Virus Disease in U.S. Hospitals, Including Procedures for Putting On (Donning) and Removing (Doffing)". The CDC also has developed a helpful fact sheet on the differences between infections that are spread by air and droplets.

Enhancing the Diversity of the NIH-Funded Workforce program
The National Institutes of Health announced the award of nearly $31 million in fiscal year 2014 funds to develop new approaches that engage researchers, including those from backgrounds underrepresented in biomedical sciences, and prepare them to thrive in the NIH-funded workforce. These awards are part of a projected five-year program to support more than 50 awardees and partnering institutions in establishing a national consortium to develop, implement, and evaluate approaches to encourage individuals to start and stay in biomedical research careers. For more information, http://www.nih.gov/news/health/oct2014/od-22.htm and http://commonfund.nih.gov/diversity/index

Funding Opportunities

AAHD Frederick J. Krause Scholarship on Health and Disability
The American Association on Health and Disability created this scholarship for undergraduate (junior/senior status) and graduate students with disabilities who are majoring in a field related to disability and health. Applications are due November 15, 2014.

Other Resources

NIH Lectures and Seminars
NIH regularly offers lectures and seminars related to research. For a complete list, see NIH News and Events. Many of these sessions are relevant to occupational therapy and are archived in videos or podcasts. Examples include:

- Tracking the Social and Economic Impact of Dementia in the United States: Findings from the Health and Retirement Study
- Demographic, Social, Behavioral, and Emotional Determinants of Cardiovascular Risk
- The Effects of Early, Profound Deprivation on Brain and Behavioral Development

The 2015 White House Conference on Aging
2015 marks the 50th anniversary of Medicare, Medicaid, and the Older Americans Act, as well as the 80th anniversary of Social Security. The 2015 White House Conference on Aging is an opportunity to recognize the importance of these key programs as well as to look ahead to the issues that will help shape the landscape for older Americans for the next decade. The White House is committed to hosting the Conference and seeks broad public engagement in developing the conference. Use the web site to Get Involved and receive regular updates on the date and location.
HRSA Maternal and Child Health Research Program: EnRICH (Research Innovations & Challenges)

Upcoming webinar: Measurement Research Network (MRN) Thursday, November 20, 2014 1:30 -3:00 pm (ET)

A sample of archived webinars:
- Meta-Analysis and Systematic Reviews
- More than pretty pictures: From GIS to Spatial Analysis in MCH
- Measurement Selection and Development for Maternal and Child Health Research
- Applied Missing Data Analysis
- Using Electronic Health Records for MCH Research
- Preparing a Successful Research Grant Application
- Preparing a Successful Manuscript

U.S. Department of Education: The National Center for Education Research (NCER) and the National Center for Special Education Research (NCSER) at the Institute of Education Sciences (IES)

Resources for researchers:
- webinar series on preparing an IES research grant application
- methodological resources to assist in preparing an IES grant application
- presentations, handouts, and videos from IES conferences and training institutes
- overview of IES datasets and tools available to researchers
- overview of IES peer review process for research grants and reports
- overview of IES data sharing policy
- overview of IES policy on public access to research generated from funded projects

HHS Office for Human Research Protections (OHRP)
The HHS YouTube channel contains educational videos including a series developed by the OHRP Division of Education and Development on regulations for the protection of human subjects of research described at 45 CFR part 46. An institution may reproduce or share these materials for educational purposes and can incorporate the materials in their training programs.

AcademyScope
This web site is an interactive visualization that allows you to explore relationships between thousands of reports on National Academies Press. You'll find links to AcademyScope in the Browse by Topics menu, as well as on every topic page.

Occupational Therapy Research Coordinators Forum
This forum is looking for occupational therapists working in clinical research to add to our growing email list. The purpose of the forum is to have a mechanism for communicating with other individuals in similar positions, with the hope that we will be able to help each other solve common problems and identify future opportunities for collaboration. Contact Kelly Tanner to join the forum.

Women of Color Research Network
WoCRn offers support, information, and networking opportunities to women from diverse backgrounds, their mentors, and others in the research community. The network is for women of color as well as everyone who values diversity in the scientific workforce. Started in 2011 by the Women of Color Committee of the NIH Working Group on Women in Biomedical Careers, it's already up to 1,200 members. Submitted by AOTA.

Free Webinars on TBI and Psychological Health
The Defense Centers of Excellence for Psychological Health and Traumatic Brain Injury (DCoE) hosts free monthly webinars on topics related to psychological health and TBI. See their website for more information and a list of all 2014 webinars.

Nov. 13, 2014: 1-2:30 p.m. EST:
Technology Interventions for Traumatic Brain Injury
Conference Announcements

Healthography: How where you live affects your health and well-being.

International Stroke Conference (February 11-13, 2015, Nashville, Tennessee)
The International Stroke Conference features more than 1,500 presentations that emphasize basic, clinical and translational sciences as they evolve toward a more complete understanding of stroke pathophysiology with the overall goal of developing more effective prevention and treatment.

AOTA Annual Conference (April 16-19, 2015, Nashville, Tennessee)
Join thousands of OT colleagues for educational sessions and institutes.

International Conference on Occupational Stress and Health (May 6-9, 2015, Atlanta, Georgia)
This conference is presented by The American Psychological Association, the National Institute for Occupational Safety and Health, and the Society for Occupational Health Psychology with the theme: "Work, Stress and Health 2015: Sustainable Work, Sustainable Health, Sustainable Organizations,"

Pacific Rim International Conference (May 18-19, 2015, Waikiki, Hawaii)
The Pacific Rim International Conference encourages and respects voices from "diverse" perspective across numerous areas, including: voices from persons representing all disability areas; experiences of family members and supporters across all disability and diversity areas; responsiveness to diverse cultural and language differences; evidence of researchers and academics studying diversity and disability; stories of persons providing powerful lessons; examples of program providers, and; action plans to meet human and social needs in a globalized world. In 2015, new topic areas will promote thoughtful discussion and suggest new ways to integrate education, technology, advocacy, activism and interdisciplinary research.

ICOST 2015 - 13th International Conference on Smart Homes, Assistive Technology and Health Telematics: Advances in Cognitive Technologies (June 10-12, 2015, Geneva, Switzerland)
ICOST brings together stakeholders from clinical, academic and industrial perspectives along with end users and family caregivers to explore how to utilize technologies to foster independent living and offer an enhanced quality of life. Call for Papers deadline: January 15, 2015

RESNA, the Rehabilitation Engineering and Assistive Technology Society of North America Annual Conference (June 10-14, 2015, Denver, Colorado)
RESNA is the premier professional organization dedicated to promoting the health and well-being of people with disabilities through increasing access to technology solutions. Their annual conference theme is New Frontiers in Assistive Technology.
Call for Papers:
* Scientific and Student Scientific Papers: January 13, 2015
* Student Design Competition: April 3, 2015 - registration, April 17, 2015 submission

6th Asia Pacific Occupational Therapy Congress (APOTC) (September 14-17, 2015, Rotorua, New Zealand)
APOTC’s vision is "Doing Well Together" and aims to disseminate and celebrate research and examples of clinical practice across the themes of:

- Sharing practice insights and stories
- Sharing the best of practice and theory
- Sharing technology in practice
- Creative partnerships with community and colleagues
• Strengthening communities
• Practicing across cultures

Submissions may take the form of research (quantitative, qualitative, mixed methods), systematic reviews, practice exemplars, case studies, program evaluation, policy development or position statements. Abstracts deadline: January 16, 2015.

ACRM 92nd Annual Progress in Rehabilitation Research & Expo (October 25-30, 2015, Dallas, Texas)
In 2015, the ACRM annual conference will focus on brain injury, spinal cord injury, stroke, neurodegenerative diseases, cancer and pain. Instructional Course proposals are due December 15; Symposia proposals are due January 15; and Paper & Poster proposals are due March 2.

Gerontological Society of America (GSA) Annual Scientific Meeting (November 18-22, 2015, Orlando, Florida)
GSA is the nation's oldest and largest interdisciplinary organization devoted to research, education, and practice in the field of aging. The principal mission GSA is to advance the study of aging and disseminate information among scientists, decision makers, and the general public. Watch the web site for conference details and call for papers information.

A Sample of Other Resources for Measurement

Boston Rehabilitation Outcomes Center
CanChild Centre for Childhood Disability Research
Healthy People Foundation Health Measures
National Quality Measures Clearinghouse
Rehabilitation Measures Database

Resource Notes Continued


Occupational therapy researchers and practitioners have or are participating in the development of the NIH Toolboxes. Some of these colleagues have co-authored the following articles and are identified in bold print. By visiting the resources Dr. Bass provides in her letter, you will find other colleagues listed.


About Us

AOTF is a 501(c)(3) dedicated to advancing the science of occupational therapy to support people's full participation in meaningful life activities. Gifts to AOTF help us make a real difference through:

- Scholarships
- Research support including the Intervention Research Grants program
- Maintenance of the largest collection of occupational therapy resources in the country, the Wilma L. West Library.

AOTF is concerned about privacy and will only send Research Resources to those individuals who wish to receive it. If you no longer wish to receive Research Resources, or if you feel that you received this newsletter in error,
please use the SafeUnsubscribe link at the bottom of this email. AOTF does not sell email addresses to other parties.

For more information about the American Occupational Therapy Foundation and its Institute for the Study of Occupation and Health, see our web site: www.aotf.org.