

Meeting of the Interagency Autism Coordinating Committee

Wednesday, April 17, 2019

National Institutes of Health Neuroscience Center

Rooms C and D

6001 Executive Blvd

Rockville, MD, 20892

Conference Call Access:

Phone: 800-369-3337

Participant Passcode: 9975399



Morning Agenda

9:00 AM

Welcome, Introductions, Roll Call, and Approval of Minutes

Joshua Gordon, M.D., Ph.D.

Director, National Institute of mental Health and Chair, IACC

Susan Daniels, Ph.D.

Director, Office of Autism Research Coordination, National Institute of Mental Health, and Executive Secretary, IACC



Morning Agenda

9:10 Expect More: An Autism Adventure

The Hon. Mike Lake, P.C., M.P.

9:45 CDC Autism Data Visualization Platform

Stuart Shapira, M.D., Ph.D.

Chief Medical Officer

Associate Director for Science (ADS)

National Center on Birth Defects and Developmental

Disabilities(NCBDDD)

Centers for Disease Control and Prevention



Morning Agenda

10:30 Break

10:40 Update from the Federal Communications Commission

Theodore Marcus, J.D.

Deputy Chief, Disability Rights Office, Consumer and Governmental Affairs Bureau, Federal Communications Commission



Morning Agenda

11:25 Committee Business

Susan Daniels, Ph.D.

Director, Office of Autism Research Coordination, National Institute of Mental Health, and Executive Secretary,

IACC

Joshua Gordon, M.D., Ph.D.

Director, National Institute of mental Health and Chair, IACC

12:00 PM Lunch

Welcome Introductions Roll Call Approval of Minutes

Joshua Gordon, M.D., Ph.D.
Director, National Institute of Mental Health
Chair, IACC

Susan A. Daniels, Ph.D.

Director, Office of Autism Research
Coordination
Executive Secretary, IACC
National Institute of Mental Health

Expect More: An Autism Adventure



The Hon. Mike Lake, P.C., M.P.



"I've learned that people will forget what you said, people will forget what you did, but people will never forget how you made them feel."

Maya Angelou











"He who does not understand your silence will probably not understand your words."

Elbert Hubbard









"Things do not happen. Things are made to happen."

John F. Kennedy









"Life is a succession of lessons which must be lived to be understood."

Helen Keller









"A small body of determined spirits fired by an unquenchable faith in their mission can alter the course of history."

Mahatma Gandhi















@MikeLakeMP



Discussion

Centers for Disease Control and Prevention Autism Data Visualization Platform



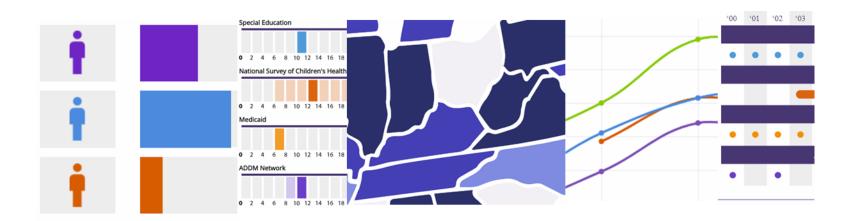
Stuart Shapira, M.D., Ph.D.

Chief Medical Officer, Associate Director for Science (ADS), National Center on Birth Defects and Developmental Disabilities (NCBDDD), Centers for Disease Control and Prevention

National Center on Birth Defects and Developmental Disabilities



CDC Autism Data Visualization Tool



CDC Autism Data Visualization Tool

- Interactive website provides up-to-date autism spectrum disorder (ASD)
 prevalence data among children in the United States
 - Four different data sources by year and state (when available)
 - Autism and Developmental Disabilities Monitoring Network
 - Special Education
 - Medicaid
 - National Survey of Children's Health
 - Description of how different data sources are used to estimate the ASD prevalence





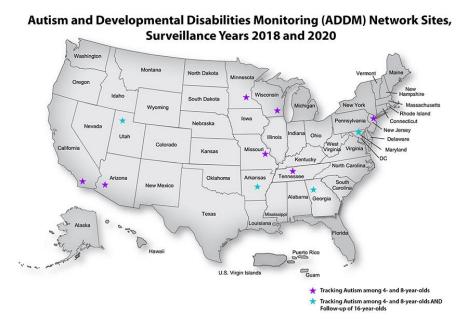


CDC Autism Data Visualization Tool

- Makes it easy to find available ASD prevalence data in each state
 - Highlights changes over time for specific states or communities
 - Improves access to data for public health researchers, state health officials, and the public
 - Improves understanding of ASD and its impact across communities in the United States
 - Can be used to plan for services, guide research, and inform policies to help children with ASD

Data Source 1: Autism and Developmental Disabilities Monitoring (ADDM) Network

- Features published ADDM prevalence estimates 2000–2014 in participating communities
- ADDM Data: Uses record review of 8-yearold children and combines information across communities
- Numerator: children meeting ADDM ASD case definition
- Denominator: National Center for Health Statistics bridged population estimates
- Sample sizes allow for more detailed data at state/community level



https://www.cdc.gov/ncbddd/autism/addm.html

Data Source 2: Special Education

- Special education primary exceptionality classification of autism
- Numerator: Individuals with Disabilities Education Act (IDEA)
 state child count data of autism classification for 6–17-year-olds
- Denominator: National Center for Education Statistics school enrollment counts for grades 1–12
- Publicly available data from almost all states in each year
- Currently available through 2015*

IDEA Section 618 Data Products: State Level Data Files

618 Data Home	Collection Documents	State Level Data Files	Static Tables
Part B Part C			

https://www2.ed.gov/programs/osepidea/618-data/state-level-data-files/index.html

https://nces.ed.gov/

^{*}will update soon with new year

Data Source 3: Medicaid (MAX)

- Medicaid Analytic eXtract (MAX)
- Numerator: Children with ASD ICD (medical billing) code for ≥1 inpatient or ≥2 outpatient claims in a given year
 - Same as CMS-endorsed autism algorithm
- Denominator: Children enrolled in Medicaid during each year
- Available 2000–2012 for most states

https://www.ccwdata.org/web/guest/condition-categories

https://www.cms.gov/Research-Statistics-Data-and-Systems/Computer-Data-and-Systems/MedicaidDataSourcesGenInfo/MAXGeneralInformation.html

Data Source 4: National Survey of Children's Health (NSCH)

- Estimates match published NSCH data (www.childhealthdata.org)
 - Use complex survey design and weights
- Numerator: Children with ASD or "current ASD" (in more recent years)
 - Survey questions on ASD have changed over time
- Denominator: Children participating in NSCH each year, nationally representative complex survey sample
- Years of publicly available data: 2004, 2008, 2012, 2016–17
- Re-designed annual survey began in 2016

Data Visualization Tool Features

- Data are downloadable in spreadsheets for custom analyses
- Contains links to primary sources of data, deeper technical notes, and other information for each data source
- Updates as new data are available

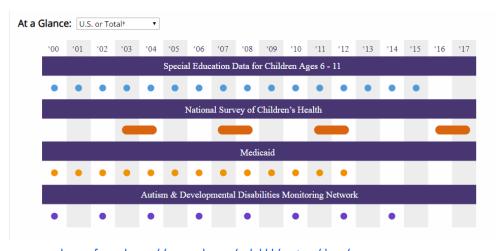


Image from: https://www.cdc.gov/ncbddd/autism/data/

<u>Acknowledgments</u>

Daisy Christensen

Melissa Danielson

Patty Dietz

Nicole Dowling

www.cdc.gov/ncbddd/autism/data/

Bruce Heath

Chrissy Hillard

Matthew Maenner

Sarabeth Mathis

Sue Williams

For more information, contact CDC

1-800-CDC-INFO (232-4636)

TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this presentation have not been formally disseminated by the Centers for Disease Control and Prevention and should not be construed to represent any agency determination or policy.





Discussion



Break



Morning Agenda

10:40

Update from the Federal Communications Commission

Theodore Marcus, J.D.

Deputy Chief, Disability Rights Office, Consumer and Governmental Affairs Bureau, Federal Communications Commission

11:25 Committee Business

Susan Daniels, Ph.D.

Director, Office of Autism Research Coordination, National Institute of Mental Health, and Executive Secretary, IACC

Joshua Gordon, M.D., Ph.D.

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12:00 PM Lunch



THE FEDERAL COMMUNICATIONS COMMISSION (FCC)

Agency Activity Concerning Rights of People with Cognitive Disabilities

Presentation by Theodore Marcus, Deputy Chief FCC Disability Rights Office







Communications Services, Products and Equipment

<u>Telecommunications</u>

Communications Act, as amended (1996) – Section 255 (47 U.S.C. § 255 (b), (c), codified in Parts 6 and 7 of 47 C.F.R.):

- o Telecommunications equipment and services must be accessible and usable
 - "Readily achievable"
 - If not, then "compatible"
 - "Usability" and "functional equivalence"
 - Implications









Background (Cont'd.)

Advanced Communication Services and Equipment (ACS)

Twenty-First Century Communications and Video Accessibility Act of 2010 – amended the Communications Act to update accessibility requirements for persons with disabilities consistent with advances in the communications marketplace:

- ACS (includes text messaging, instant messaging, interoperable video conferencing, [newer] VoIP services, and e-mail)
 - ACS and ACS equipment must be accessible, unless not "achievable"
 - May be accessible through an accessibility solution available at nominal cost
- Implications
 - Computers, tablets, smart phones, and software used for ACS
 - must be "operable with limited cognitive skills"





- o For people who are deaf, hard of hearing, deaf-blind, or who have a speech disability
- Implications
 - Relay for people with auditory or speech processing disabilities:
 - Speech-to-Speech Relay Service
 - Captioned Telephone Service













Closed Captioning Requirements

Closed captioning required:

- on TV and
- for most TV programs later shown on the Internet

Captions must be available on most devices:

- Television and cable boxes
- Devices used to play TV programs, like tablets, cell phones, laptops
 Remote controls must have a caption button or an easy way to access captions
 - Implications
 - Helps those with auditory processing disabilities
 - · Helps reading skills for those with learning disabilities







Audio Description Requirements

- Audio description is audio-narrated descriptions of a television program's key visual elements. These
 descriptions are inserted into natural pauses in the program's dialogue.
- Audio description is required for some television programs

- Implications
 - Assists those with visual processing disabilities





Emergency Information on Television Emergency Information on Television

- MUST BE VISUAL
 - o Emergency audio information must also be provided in closed captioning or visually.
 - Emergency scrolls and closed captioning cannot block each other.
- MUST BE AUDIBLE
 - Emergency text crawls must be made audible on the secondary audio stream
 - Audible tone must accompany emergency scrolls
- Implications
 - Access to emergency information on TV for individuals who
 - cannot read emergency text crawls or
 - have auditory processing disabilities







Relevant Activities — Post-2010

- FCC's 2015 Summit on the Telecommunication Needs of People with Cognitive Disabilities (Held October 28, 2015)
- FCC's Disability Advisory Committee's Cognitive Disabilities Working Group best practices recommendations, 2016
- FCC's "White Paper" on *Individuals with Cognitive Disabilities: Barriers to and Solutions for Accessible Information and Communication Technologies* ("ICT"), October 6, 2016
- Dispute Assistance, Consumer Complaints, and Outreach Efforts



Contact Us!

Subscribe to AccessInfo@fcc.gov.

Visit the Commission's Disability Rights Office (DRO) webpage: www.fcc.gov/accessibility, and the DRO's webpage on cognitive disabilities: www.fcc.gov/cognitive-disabilities.

Contact FCC DRO at:

DRO@fcc.gov (e-mail)

844-432-2275 (videophone)

202-418-2517 (voice)

888-835-5322 (TTY)

Online Complaint Form: www.fcc.gov/complaints.

Presentation by Theodore C. Marcus, Deputy Chief, DRO

Theodore.Marcus@fcc.gov



Discussion

IACC Committee Business

IACC Full Committee Meeting April 17, 2019



Susan A. Daniels, Ph.D.

Director, Office of Autism Research Coordination Executive Secretary, IACC National Institute of Mental Health

Thank you to OARC Staff





Susan Daniels, Ph.D.

Director

Oni Celestin, Ph.D.
Science Policy Analyst

Rebecca Martin, M.P.H
Public Health Analyst

Angelice Mitrakas, B.A. Management Analyst

Julianna Rava, M.P.H. Science Policy Analyst

Matthew Vilnit, M.B.A. Operations Coordinator

Jeff Wiegand, B.S. Web Development Manager

April is National Autism Awareness Month





Autism Awareness Month News



- 2019 Presidential Proclamation:
 President Donald J. Trump Proclaims April 2, 2019, World Autism Awareness Day
- 2019 UN Secretary-General Message:
 António Guterres' Message on World Autism Awareness Day

Autism Awareness Month Events



Autism Awareness Interagency Roundtable

Indian Health Service

April 2, 2019; Rockville, MD

Event page (archived video available): https://www.ihs.gov/icp/autism/roundtable/

Assistive Technologies, Active Participation

United Nations

April 2, 2019; New York, NY

Event page: https://www.un.org/en/events/autismday/

Archived video available: http://webtv.un.org/meetings-events/watch/2019-world-

autism-awareness-day-observance-theme-assistive-technologies-active-

participation/6021777181001

Reddit Ask Me Anything: The Role of Environmental Risk Factors in ASD

National Institute of Environmental Health Sciences

April 2, 2019

Transcript:

https://www.reddit.com/r/askscience/comments/b8hqa7/askscience_ama_series_hi_w ere drs rebecca schmidt/

NIMH Special Event for Autism Awareness Month

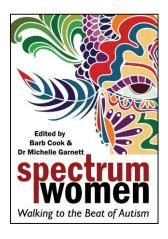


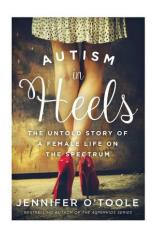
A Woman's Voice: Understanding Autistic Needs

April 23, 2019

2:30 pm - 5:00 pm

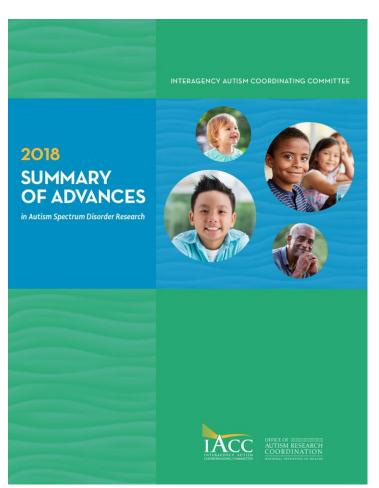
- A conversation featuring 4 female authors on the autism spectrum
- Live webcast will be available
- Event information: https://iacc.hhs.gov/meetings/autism-events/2019/april23/spectrum-women.shtml
- Featuring:
 - Barb Cook
 - Liane Holliday-Willey
 - Jennifer Cook O'Toole
 - Dena Gassner





2018 IACC Summary of Advances Available Now!





 Annual report required by the Autism CARES Act

 Lay-friendly summaries of the 20 most significant advances in ASD biomedical and services research, as selected by the IACC

 Includes articles addressing all 7 topic areas of the IACC Strategic Plan



QUESTION 1: SCREENING AND DIAGNOSIS

- Bosl WJ, Tager-Flusberg H, Nelson CA. EEG Analytics for Early Detection of Autism Spectrum Disorder: A data-driven approach.
- Egger HL, Dawson G, Hashemi J, Carpenter KLH, Espinosa S, Campbell K, Brotkin S, Schaich-Borg J, Qiu Q, Tepper M, Baker JP, Bloomfield RA, and Sapiro G. Automatic Emotion and Attention Analysis of Young Children at Home: A ResearchKit Autism Feasibility Study.
- Wolff JJ, Dimian AF, Botteron KN, Dager SR, Elison JT, Estes AM, Hazlett HC, Schultz RT, Zwaigenbaum L, Piven J; IBIS Network. A longitudinal study of parent-reported sensory responsiveness in toddlers at-risk for autism.

QUESTION 2: BIOLOGY

- Avino TA, Barger N, Vargas MV, Carlson EL, Amaral DG, Bauman MD, Schumann CM.
 Neuron numbers increase in the human amygdala from birth to adulthood, but not in autism.
- Deneault E, White SH, Rodrigues DC, Ross PJ, Faheem M, Zaslavsky K, Wang Z, Alexandrova R, Pellecchia G, Wei W, Piekna A, Kaur G, Howe JL, Kwan V, Thiruvahindrapuram B, Walker S, Lionel AC, Pasceri P, Merico D, Yuen RKC, Singh KK, Ellis J, Scherer SW. Complete Disruption of Autism-Susceptibility Genes by Gene Editing Predominantly Reduces Functional Connectivity of Isogenic Human Neurons.
- Qin L, Ma K, Wang ZJ, Hu Z, Matas E, Wei J, Yan Z. Social deficits in Shank3-deficient mouse models of autism are rescued by histone deacetylase (HDAC) inhibition.



QUESTION 3: RISK FACTORS

- The Brainstorm Consortium. Analysis of shared heritability in common disorders of the brain.
- Brandler WM, Antaki D, Gujral M, Kleiber ML, Whitney J, Maile MS, Hong O, Chapman TR, Tan S, Tandon P, Pang T, Tang SC, Vaux KK, Yang Y, Harrington E, Juul S, Turner DJ, Thiruvahindrapuram B, Kaur G, Wang Z, Kingsmore SF, Gleeson JG, Bisson D, Kakaradov B, Telenti A, Venter JC, Corominas R, Toma C, Cormand B, Rueda I, Guijarro S, Messer KS, Nievergelt CM, Arranz MJ, Courchesne E, Pierce K, Muotri AR, Iakoucheva LM, Hervas A, Scherer SW, Corsello C, Sebat J. Paternally inherited cis-regulatory structural variants are associated with autism.
- Gandal MJ, Haney JR, Parikshak NN, Leppa V, Ramaswami G, Hartl C, Schork AJ, Appadurai V, Buil A, Werge TM, Liu C, White KP; CommonMind Consortium; PsychENCODE Consortium; iPSYCH-BROAD Working Group, Horvath S, Geschwind DH. Shared molecular neuropathology across major psychiatric disorders parallels polygenic overlap.
- Gandal MJ, Zhang P, Hadjimichael E, Walker RL, Chen C, Liu S, Won H, van Bakel H, Varghese M, Wang Y, Shieh AW, Haney J, Parhami S, Belmont J, Kim M, Moran Losada P, Khan Z, Mleczko J, Xia Y, Dai R, Wang D, Yang YT, Xu M, Fish K, Hof PR, Warrell J, Fitzgerald D, White K, Jaffe AE; PsychENCODE Consortium, Peters MA, Gerstein M, Liu C, lakoucheva LM, Pinto D, Geschwind DH. Transcriptome-wide isoform-level dysregulation in ASD, schizophrenia, and bipolar disorder.
- Short PJ, McRae JF, Gallone G, Sifrim A, Won H, Geschwind DH, Wright CF, Firth HV, FitzPatrick DR, Barrett JC, Hurles ME. De novo mutations in regulatory elements in neurodevelopmental disorders.



QUESTION 4: TREATMENTS AND INTERVENTIONS

- Morgan L, Hooker JL, Sparapani N, Reinhardt VP, Schatschneider C, Wetherby AM. Cluster randomized trial of the classroom SCERTS intervention for elementary students with autism spectrum disorder.
- Nevill RE, Lecavalier L, Stratis EA. Meta-analysis of parent-mediated interventions for young children with autism spectrum disorder. Stedman A, Taylor B, Erard M, Peura C, Siegel M. Are Children Severely Affected by Autism Spectrum Disorder Underrepresented in Treatment Studies? An Analysis of the Literature.

QUESTION 5: SERVICES

- Kennedy-Hendricks A, Epstein AJ, Mandell DS, Candon MK, Marcus SC, Xie M, Barry CL.
 Effects of State Autism Mandate Age Caps on Health Service Use and Spending Among Adolescents.
- Zerbo O, Modaressi S, Goddard K, Lewis E, Fireman BH, Daley MF, Irving SA, Jackson LA, Donahue JG, Qian L, Getahun D, DeStefano F, McNeil MM, Klein NP. Vaccination Patterns in Children After Autism Spectrum Disorder Diagnosis and in Their Younger Siblings.



QUESTION 6: LIFESPAN ISSUES

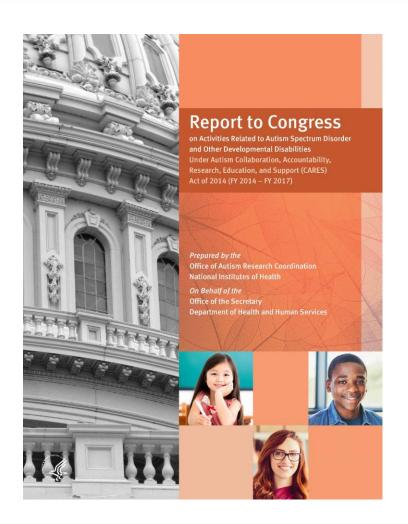
- Bal VH, Kim SH, Fok M, Lord C. Autism spectrum disorder symptoms from ages 2 to 19 years: Implications for diagnosing adolescents and young adults.
- Davignon MN, Qian Y, Massolo M, Croen LA. Psychiatric and Medical Conditions in Transition-Aged Individuals With ASD.
- Dudley KM, Klinger MR, Meyer A, Powell P, Klinger LG. Understanding Service Usage and Needs for Adults with ASD: The Importance of Living Situation.

QUESTION 7: INFRASTRUCTURE AND SURVEILLANCE

Baio J, Wiggins L, Christensen DL, Maenner MJ, Daniels J, Warren Z, Kurzius-Spencer M, Zahorodny W, Robinson Rosenberg C, White T, Durkin MS, Imm P, Nikolaou L, Yeargin-Allsopp M, Lee LC, Harrington R, Lopez M, Fitzgerald RT, Hewitt A, Pettygrove S, Constantino JN, Vehorn A, Shenouda J, Hall-Lande J, Van Naarden Braun K, Dowling NF. Prevalence of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2014.

Autism CARES Act Report to Congress Available Now!





- Required by the Autism CARES Act of 2014
- Prepared by OARC on behalf of HHS, including information from 21 federal Departments/agencies
- Report details progress on activities related to ASD and other developmental disorders across the federal government

Autism CARES Act Report to Congress: Departments and Agencies Included



- Department of Health and Human Services (HHS)
 - Administration for Children and Families (ACF)
 - Administration for Community Living (ACL)
 - Agency for Healthcare Research and Quality (AHRQ)
 - Centers for Disease Control and Prevention (CDC)
 - Centers for Medicare & Medicaid Services (CMS)
 - Food and Drug Administration (FDA)
 - Health Resources and Services Administration (HRSA)
 - Indian Health Service (IHS)
 - National Institutes of Health (NIH)
 - Substance Abuse and Mental Health Services Administration (SAMHSA)

Autism CARES Act Report to Congress: Departments and Agencies Included



- Department of Education (ED)
- Department of Defense (DoD)
 - Army
 - Air Force
 - Military Health System (MHS)/TRICARE
- Environmental Protection Agency (EPA)
- Department of Housing and Urban Development (HUD)
- Department of Justice (DOJ)
- Department of Labor (DOL)
- National Science Foundation (NSF)
- Social Security Administration (SSA)
- Department of Transportation (DOT)

Autism Cares Act Report to Congress Available Now!



	Research							Service
	Funds research relevant to IACC Strategic Plan for						s	
Department/Agency	Question 1 (Screening and Diagnosis)	Question 2 (Underlying	Biology) Question 3 (Risk Factors)	Question 4 (Treatments and Interventions)	Questions 5 (Services)	Question 6 (Lifespan Issues)	Question 7 (Infrastructure and Surveillance	Administers ASD – relevant services and support programs
Administration for Children and								Х
Families (ACF)								
Administration for Community				Х	Х	Х		Х
Living (ACL)								
Agency for Healthcare Research and Quality (AHRQ)	Х			X	Х		X	
Centers for Disease Control and Prevention (CDC)	Х		Х		Х		Х	Х
Centers for Medicare & Medicaid								Х
Services (CMS)								
Department of Defense - Air Force		Х						
(DoD-Air Force)								
Department of Defense - Army	Х	Х	Х	Х	Х	Х		Х
(DoD-Army)								

Autism Cares Act Report to Congress Available Now!



	Π			Dages	- ala			Comins
	Research Funds research relevant to IACC Strategic Plan for							Service
	Funds	s						
Department/Agency	Question 1 (Screening and Diagnosis)	Question 2 (Underlying	Biology) Question 3 (Risk Factors)	Question 4 (Treatments and Interventions)	Questions 5 (Services)	Question 6 (Lifespan Issues)	Question 7 (Infrastructure and Surveillance	Administers ASD – relevant services and support programs
Department of Education (ED)	Х			Х	Χ	Х	Х	Х
Department of Housing and Urban								Х
Development (HUD)								
Department of Justice (DO)								Х
Department of Labor (DOL)								Х
Department of Transportation								Х
(DOT)								
Environmental Protection Agency			Х					
(EPA)								
Food and Drug Administration								Х
(FDA)								

Autism Cares Act Report to Congress Available Now!



	Research							Service
	Funds research relevant to IACC Strategic Plan for							s
	ASD							
Department/Agency	Question 1 (Screening and Diagnosis)	Question 2 (Underlying	Biology) Question 3 (Risk Factors)	Question 4 (Treatments and Interventions)	Questions 5 (Services)	Question 6 (Lifespan Issues)	Question 7 (Infrastructure and Surveillance	Administers ASD – relevant services and support programs
Health Resources and Services Administration (HRSA)	X	Х	Х	Х	Χ	Х	X	Х
Indian Health Service (IHS)								Х
National Institutes of Health (NIH)	Х	Х	Х	Х	Х	Х	Х	
National Science Foundation	Х	Х	Х	X	Χ	Х	Х	
(NSF)								
Social Security Administration								X
(SSA)								
Substance Abuse and Mental								X
Health Services Administration								
(SAMHSA)								

Coming soon! IACC International ASD Research Portfolio Analysis Report

- OARC is leading a collaborative effort to produce the first International ASD Research Portfolio Analysis Report
- Based on 2016 research funding portfolio
- Describes and compares trends in ASD research funding
- Contributors
 - United States OARC
 - United Kingdom Autistica
 - Canada Canadian Institutes of Health Research
 - NEW Australia Macquarie University
- Final publication expected summer 2019
- Data will be added to the IACC/OARC Autism Research Database



INSAR Autism and Suicide Research Priority Setting Workshop University of Nottingham, UK, April 4-5, 2019



- Following a multi-tiered series of meeting and requests for public input conducted by Autistica and other partners in the UK, a list of 48 priority areas for research on ASD and suicide were identified.
- The goal of the April 4-5 meeting was to further narrow down the list to 10 research priorities.
- Participants included self-advocates, family members, researchers, and other community members.
- Meeting sponsors included the University of Nottingham, Newcastle University, Coventry University, Autistica, INSAR, and the James Lind Alliance

INSAR Autism and Suicide Research Priority Setting Workshop University of Nottingham, UK, April 4-5, 2019



- The 10 research priorities will be presented at the upcoming INSAR annual meeting, May 1-4, 2019.
- Dr. Sarah Cassidy, co-organizer of this workshop, will be a speaker at the upcoming IACC Workshop: Addressing the Mental Health Needs of People on the Autism Spectrum

Update on IACC Health Outcomes Working Group

- The IACC convened a working group on health and wellness issues for individuals with ASD
- Co-chairs: Dr. David Amaral and Dr. Julie Taylor
- Scope
 - Health and general wellness for people with ASD
 - Co-occurring physical and mental health conditions
 - Premature mortality
 - Patient-provider interactions (including medical practitioner training)
 - Parental/family mental health







Health Outcomes Working Group: Previous Activities



- Working Group conference call (September 5, 2018)
- Workshop: Addressing the Health Needs of People on the Autism Spectrum (September 27, 2018)
 - Health Epidemiology
 - Three co-occurring conditions: epilepsy, gastrointestinal disorders, and sleep disturbances
 - Improving patient-provider interactions
- Working Group conference call (December 17, 2018)

Health Outcomes Working Group: Upcoming Workshop



May 21, 2019, 9:00am – 5:00pm

Neuroscience Center, Rockville, MD



- Workshop will focus on mental health-related topics, including
 - Anxiety
 - Depression
 - Suicide
 - Self-injurious behaviors and aggression
 - Mental health services

Health Outcomes Working Group: Next steps



- Continued discussions in Working Group conference calls
- A written document providing an update on issues
- Working Group activities will conclude in September 2019

Update on IACC Housing Working Group



- The IACC voted to convene a working group on housing issues for individuals with ASD.
- Scope
 - Research and best practices on housing
 - Implementation of current federal regulations
 - Housing issues faced by autistic individuals with more severe disabilities
- Chair: Alison Singer
- Working group is being convened





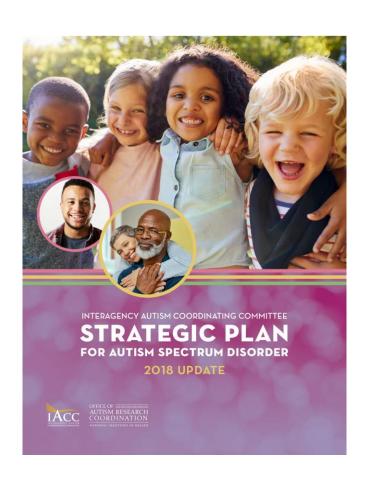
Housing Working Group: Activities



- Activities will include:
 - Working group conference calls
 - Town-hall meeting (target date: June 2019)
- Working group activities will run through September 2019

IACC Strategic Plan 2018-2019 Update





- The 2018-2019 IACC Strategic Plan Update will provide a summary of the IACC's recent activities and progress related to the Strategic Plan, including:
 - Summary of Health Outcomes working group and 2018 workshop
 - Summary of 2016 IACC Portfolio Analysis Report
 - Summary of Autism CARES Act Report to Congress
- Committee members have received a draft for review and comments
- Additional 2019 activities to be added



Lunch

Meeting of the IACC



Afternoon Agenda

1:00 PM Public Comment Session

Joshua Gordon

Director, NIMH and Chair, IACC

Susan Daniels, Ph.D.

Director, Office of Autism Research Coordination, NIMH and Executive Secretary, IACC

Oni Celestin, Ph.D.

Science Policy Analyst

Office of Autism Research Coordination, NIMH

Meeting of the IACC



Afternoon Agenda

2:00 Panel Presentation: Disability Employment

Introduction - Julie Taylor

2:05 Employment: Current Research and Future Directions

Julie Taylor, Ph.D.

Associate Professor of Pediatrics

Vanderbilt Kennedy Center Investigator

Vanderbilt University Medical Center

Meeting of the IACC



Afternoon Agenda

2:25 Competitive Employment for Youth with Significant Autism: A Multi-Site, Randomized Clinical Trial

Paul Wehman, Ph.D.

Professor of Physical Medicine and Rehabilitation Chairman Division of Rehabilitation Research Director of VCU-RRTC Medical College of Virginia Virginia Commonwealth University

2:45 The TennesseeWorks Collaborative: Lessons Learned on Elevating Employment Outcomes for Young People with Disabilities

Erik Carter, Ph.D.

Cornelius Vanderbilt Professor of Special Education Vanderbilt University

Meeting of the IACC



Afternoon Agenda

3:05 Autism-Ready Workplace: Creating and Scaling Autism Hiring Initiatives

Hala Annabi, Ph. D.

Associate Professor, Information School University of Washington

3:55 Afternoon Break

4:10 Report from the HHS National Autism Coordinator

Ann Wagner, Ph.D.

HHS National Autism Coordinator and

Chief, Biomarker and Intervention Development for

Childhood-Onset Mental Disorders Branch

Division of Translational Research

National Institute of Mental Health

Meeting of the IACC



Afternoon Agenda

4:15 Summary of Advances Discussion

Susan Daniels, Ph.D.

Director, Office of Autism Research Coordination, NIMH and Executive Secretary, IACC

Joshua Gordon, M.D., Ph.D. Director, NIMH and Chair, IACC

4:50 Round Robin

5:00 Closing Remarks and Adjournment

Oral Public Comments

IACC Full Committee Meeting April 17, 2019



Susan A. Daniels, Ph.D.

Director, Office of Autism Research Coordination Executive Secretary, IACC National Institute of Mental Health Joshua A. Gordon, M.D., Ph.D.

Director, National Institute of Mental Health Chair, IACC

Written Public Comments



Oni Celestin, Ph.D.

Science Policy Analyst
Office of Autism Research Coordination, NIMH

Panel Presentation: Disability Employment



Julie Taylor, Ph.D. Paul Wehman, Ph. D. Erik Carter, Ph. D. Hala Annabi, Ph.D.













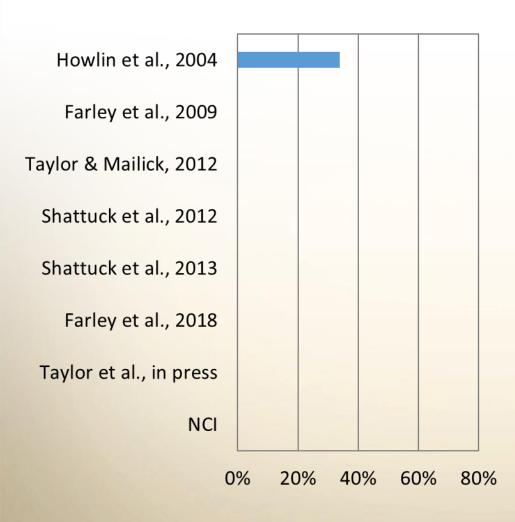


Employment: Current Research and Future Directions

Julie Lounds Taylor, Ph.D.

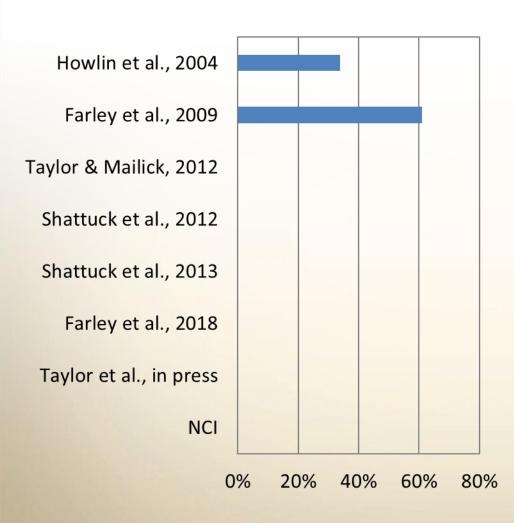
Department of Pediatrics, Division of General Pediatrics
Vanderbilt Kennedy Center
Vanderbilt University Medical Center





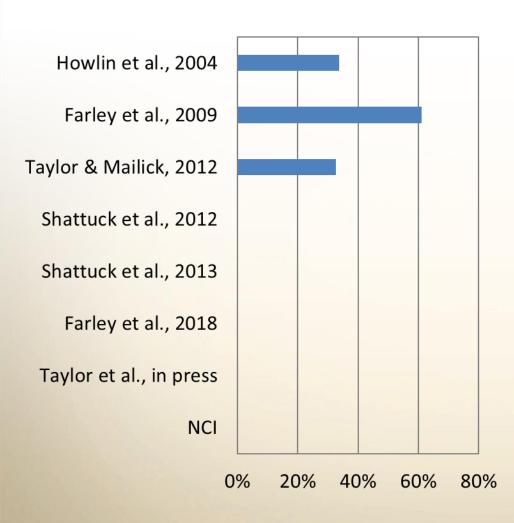
 Howlin (2004) – IQs ≥ 50, current work





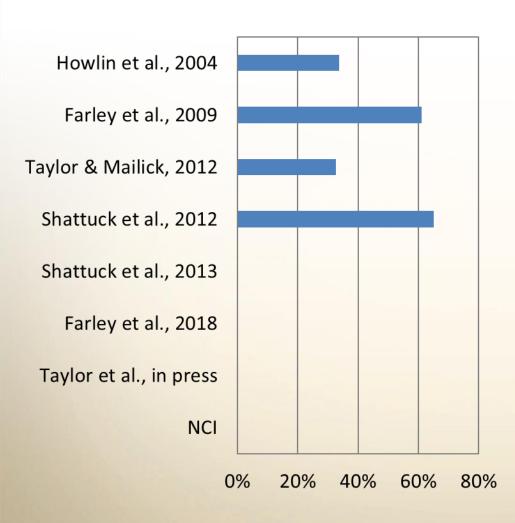
- Howlin (2004) IQs ≥ 50, current work
- Farley (2009) Average or above IQ, current work





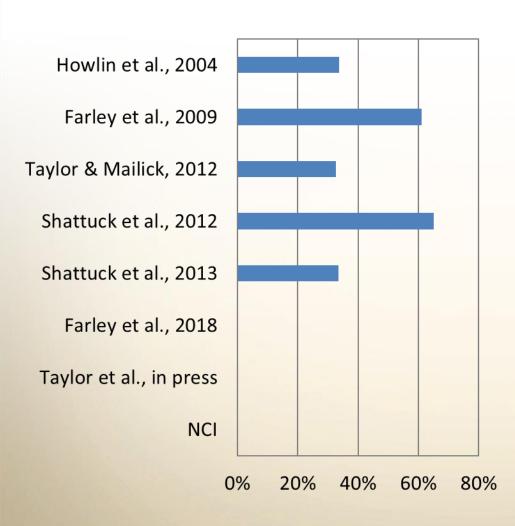
- Howlin (2004) IQs ≥ 50, current work
- Farley (2009) Average or above
 IQ, current work
- Taylor (2012) 70% ID, current work or PSE





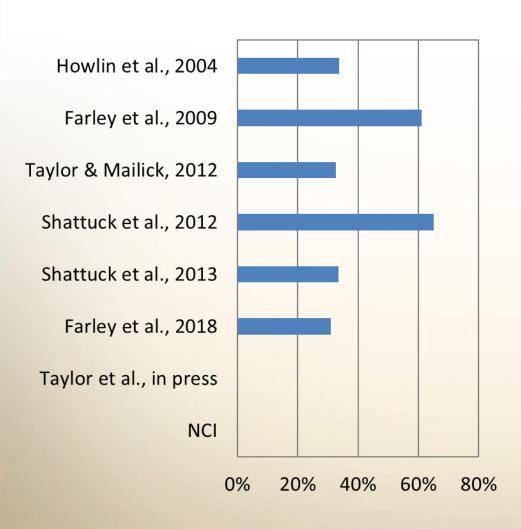
- Howlin (2004) IQs ≥ 50, current work
- Farley (2009) Average or above IQ, current work
- Taylor (2012) 70% ID, current work or PSE
- Shattuck (2012) ever work or PSE





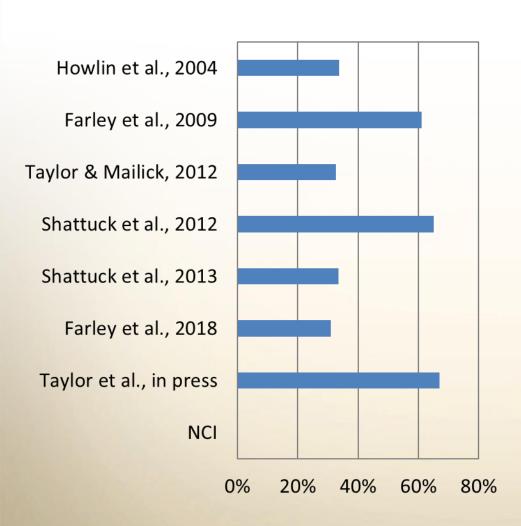
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- Shattuck (2012) ever work or PSE
- Shattuck (2013) current work (no PSE)





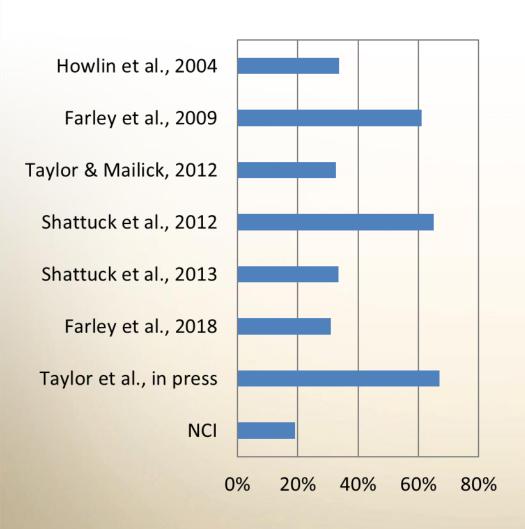
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- Shattuck (2013) current work (no PSE)
- Farley (2018) mid-life adults, 75%
 ID, current work





- Howlin (2004) IQs ≥ 50, current work
- Farley (2009) Average or above
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 ID, current work
- Taylor (in press) self-reporting adults, current work/PSE





- Howlin (2004) IQs ≥ 50, current work
- Farley (2009) Average or above IQ, current work
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- Shattuck (2013) current work (no PSE)
- Farley (2018) mid-life adults, 75%
 ID, current work
- Taylor (in press) self-reporting adults, current work/PSE
- NCI— adults receiving services



Unemployment is a Concern

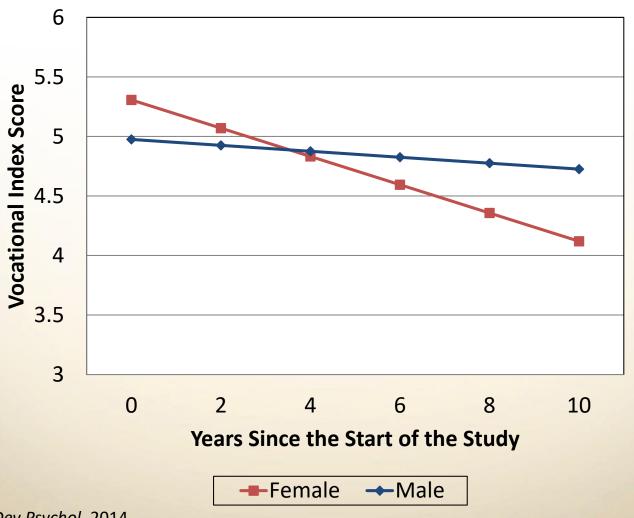
- Underemployment also a problem
- Programs have been developed to improve employment
 - Research has lagged behind
- Important directions for future research
 - Promoting stability
 - Focusing on needs of subgroups



How do Vocational Activities Change over 10 Years?

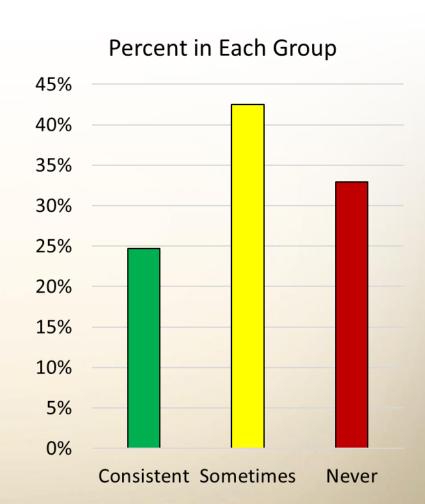
- Longitudinal study of 400 families of adolescents and adults with ASD (PI: Mailick; R01 AG08768 and Autism Speaks
- 161 adults out of high school at T1 (80% had ID)
- On average, vocational activities becoming less independent
- Predictors of initial scores
 - Intellectual disability
 - Behavioral variables

Greater Decline for Females

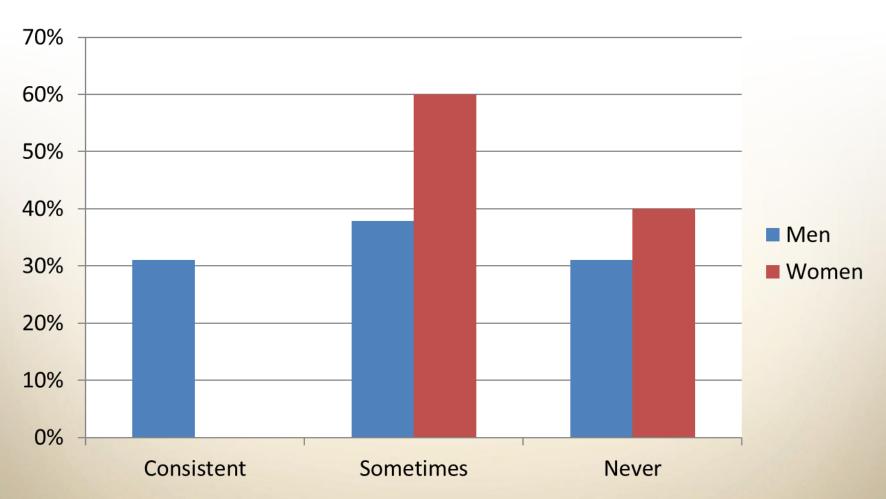




- 73 adults with ASD without ID
- Data on Employment/PSE at up to 7 time points over 12 years
- Grouped into 3 categories
 - Consistently employed/in PSE
 - Sometimes employed/in PSF
 - Never employed/in PSE



Patterns of Employment/PSE over Time





Different predictors for obtaining vs. maintaining activities

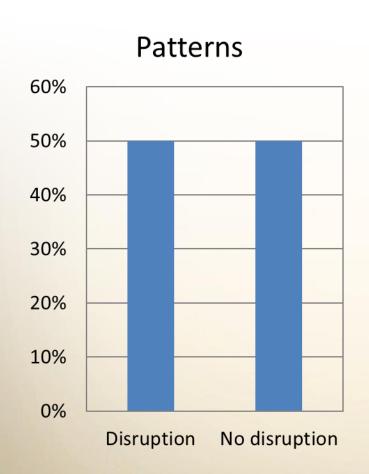
 36 families of youth with ASD who had data collected at 3 time points (funded by NIMH K01 MH092598)

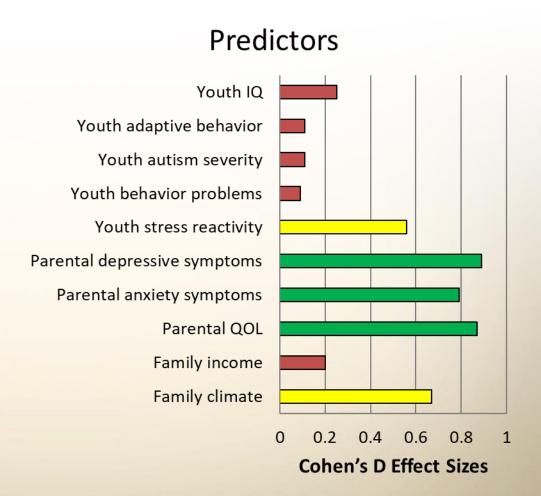


- Coded youth into "disruption" versus "no disruption" groups
 - Not all instability was disruption



Patterns and Predictors of Disruption







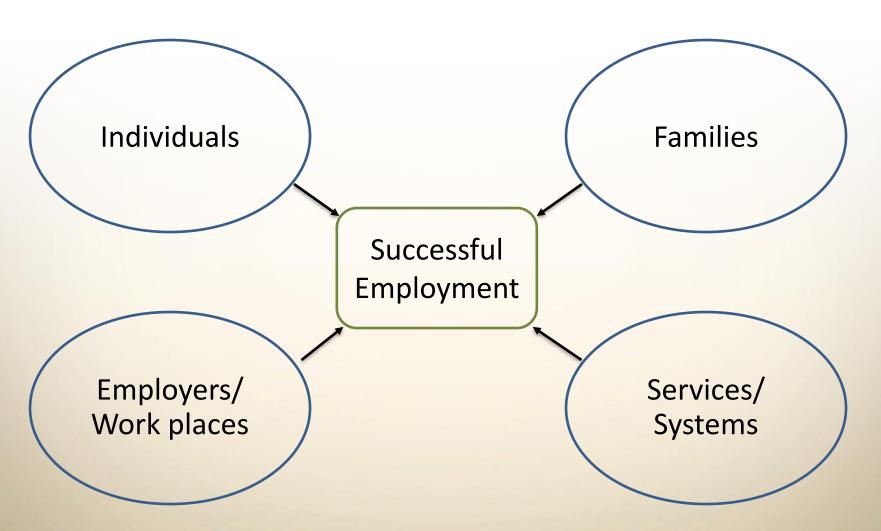


Understanding Needs and Supports for Subgroups

- Extreme heterogeneity that must be taken into account
- Cognitive functioning
 - How do needs/outcomes differ? How are they the same?
- Sex/Gender
 - Women obtain positions at same rate, greater difficulty maintaining
- Other behavioral variations
 - Adaptive behavior, social motivation, co-occurring conditions











Panel Presentations

Competitive employment for youth with significant autism: A multi-site randomized clinical trial Paul Wehman, PhD Virginia Commonwealth University

The TennesseeWorks Collaborative: Lessons learned on elevating employment outcomes for young people with disabilities
Erik Carter, PhD
Vanderbilt University

Autism-ready workplace: Creating and scaling autism hiring initiatives
Hala Annabi, PhD
University of Washington

Competitive Employment for Youth with Significant Autism: A Multi Site, Randomized Clinical Trial

April 17, 2019
Interagency Autism Coordinating Committee Meeting



Paul Wehman, Ph.D.
Virginia Commonwealth University
Rehabilitation Research and Training Center

What are the current employment outcomes for young adults with ASD? (Wehman et al., 2014)

- Unemployed and underemployed at higher levels than others with disabilities (e.g., Shattuck et al.)
- Low rates of independent living -- Most individuals with ASD continue to live at home with their parents
- Low incidence of friendships and relationships



Key to Changing This...

Refocus on Strengths, Interests, and Preferences!





The Goal of Education is to have a life where you have:

- A place to call home
- Places to go
- People to see
- Important tasks to do that you like!



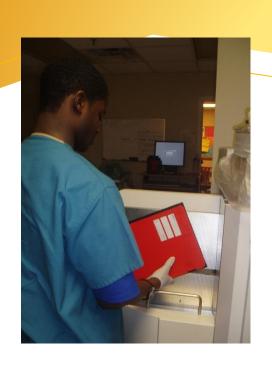


How do you get that life?

A REAL JOB!



What kind of job? Real Work for Real Pay!











Not Sheltered Workshops or Day Care Centers







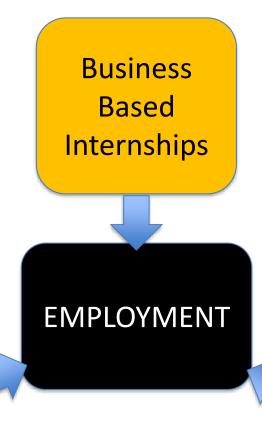




So What is One Evidence Based Pathway to Competitive Integrated Employment?



An Internship Based Model



Customized Employment

Supported Employment

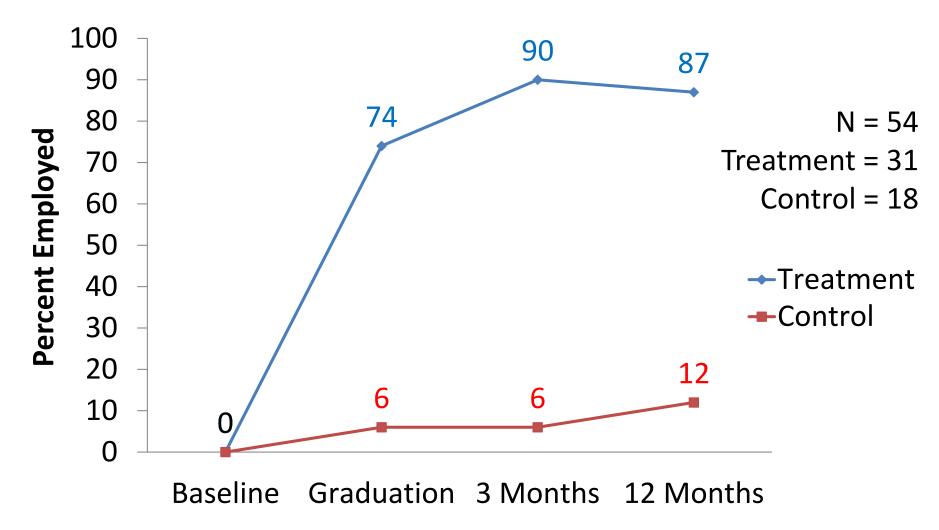


Dillon





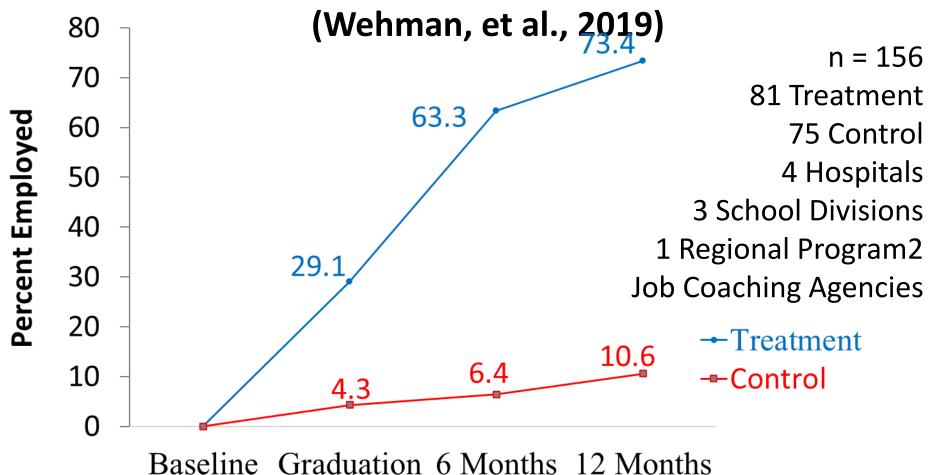
Pilot Randomized Clinical Trial: 2009-2013 Employment Outcomes in Community Based Integrated Employment (Wehman et al., 2017)







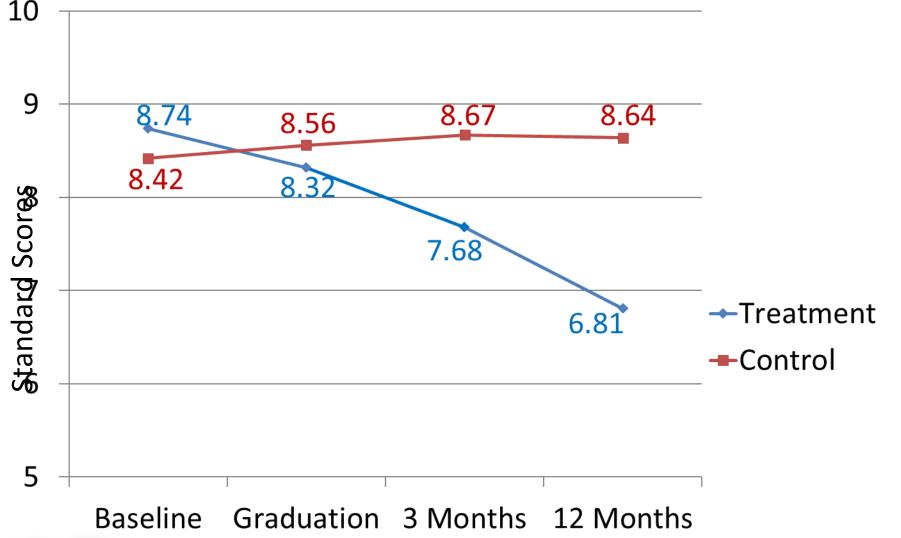
Replication and Expansion Study RCT Across Multiple Hospitals and School Divisions 2013-2018





Effect of Employment on Independence Support Intensity

(Wehman, et al., 2017) (Support Intensity Scale) AA IDD, 2004





What is the impact of work on individuals with ASD?

- Statistically Significant Improvement in <u>All</u>
 <u>Domains</u> on the Support Intensity Scale
 (including:
 - Employment Activities
 - Community Living Activities
 - Home Living Activities
 - Health and Safety Activities
 - Lifelong Learning Activities
 - Social Activities



Stefanie





What Types of Jobs Did Students Acquire?

- Health Care
- Foodservice
- Retail
- Hospitality
- Distributor
- Manufacturer

- Entertainment
- Sports/Recreation
- Education
- Transportation
- Facilities management



How Long Did It Take For Students To Become Employed After 900 Hours Of The Internship

Average 3-6 Months



Impact of Persons with ASD on Employers and Co-Workers

Increased morale among co-workers

Increased sense of mission among staff

Increased productivity in unit

Mangers learn management skills that help them with all staff



Employment Supports (Schall, et al., 2012)

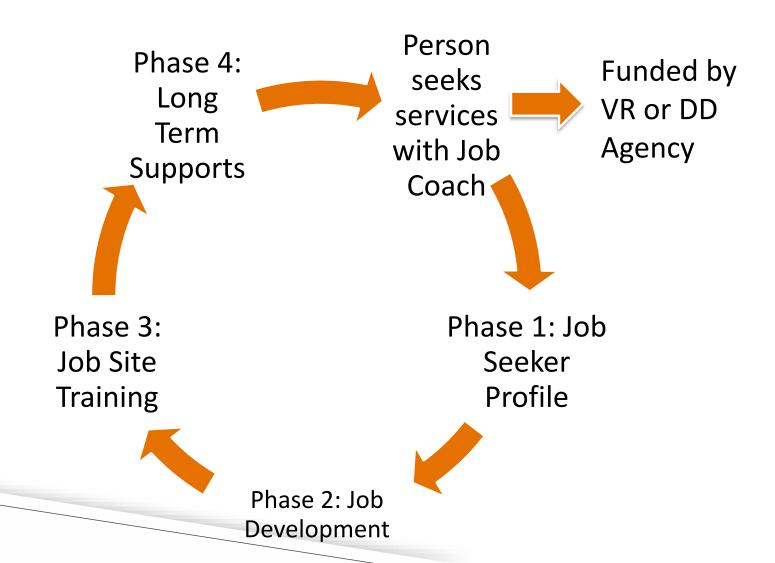
- Behavioral Consultation
- Consistent Structure to Seemingly Unstructured Internships
- Behaviorally Defining Idioms, Social Skills, and Work Expectations
- Visual Supports to Increase Implementation of Strategies
- Self Monitoring Checklists and Reinforcement Programs
- Role-Playing and Practice for Required Social Skills
- Ongoing Intensive Instruction and Monitoring of Student Success





Supported Employment

(Schall, et al., 2015)





https://vcurrtc.org http://vcuautismcenter.org http://centerontransition.org



This Presentation is Based Upon the Following Research

- Brooke, V., Brooke, A.M., Schall, C., Wehman, P., McDonough, J., Thompson, K., & Smith, J. (2018). Employees with Autism Spectrum Disorder Achieving Long-Term Employment Success: A Retrospective Review of Employment Retention and Intervention. Research and Practice for Persons with Severe Disabilities. DOI: 10.1177/1540796918783202.
- Ham, W., McDonough, J., Molinelli, A., Schall, C., & Wehman, P. (2014). Employment Supports for Young Adults with ASD: Two Case Studies. *Journal of Vocational Rehabilitation*. DOI: 10.3233/JVR-140677.



- Schall, C. M., Wehman, P., Brooke, V., Graham, C., McDonough, J., Brooke, A., Ham, W., Rounds, R., Lau, S., Allen, J. (2015).
 Employment interventions for individuals with ASD: The relative efficacy of supported employment with or without prior Project SEARCH training. Journal of Autism and Developmental Disorders. 45: 3990-4001. DOI: 10.1007/s10803-015-2426-5.
- Wehman, P., Brooke, V., Brooke, A. M., Ham W., Schall, C., et al. (2016). Employment for adults with autism spectrum disorders: A retrospective review of a customized employment approach. *Research in Developmental Disabilities*. DOI: 10.1016/j.ridd.2016.01.015.



- Wehman, P., Schall, C., Carr, S., Targett, P., West, M., & Cifu, G., (2014). Transition from school to adulthood for youth with ASD: What we know and what we need to know. *Journal of Disability Policy Studies*, 25, 30-40; DOI: 10.1177/1044207313518071.
- Wehman, P., Schall, C., McDonough, J., Graham, C., Brooke, V., Riehle, J. E., Brooke, A., Ham, W., Lau, S., Allen, J., & Avellone, L. (2017). Effects of an employer based intervention on employment outcomes for youth with significant support needs due to autism. *Autism:21:* 276-290. DOI: 10.1177/1362361316635826.



- Wehman, P. H., Schall, C. M., McDonough, J., Kregel, J., et al. (2014). Competitive employment for youth with Autism Spectrum Disorders: Early results from a randomized clinical trial. Journal of Autism and Developmental Disorders, 44, 487-500. DOI 10.1007/s10803-013-1892-x.
- Wehman, P., Schall, C., McDonough, J., Molinelli, A., et al. (2014). Project SEARCH for youth with autism spectrum disorders: Increasing competitive employment on transition from high school. *Journal of Positive Behavior Intervention*, 15, 144-155



Wehman, P., Schall, C., McDonough, J., Sima, A., Brooke, A, Ham, W., Whittenburg, H., Brooke, V., Avellone, L., & Reihle, E. (2019). Competitive employment for transition-aged youth with significant impact from autism: A multi-site randomized clinical trial. *Journal of Autism and Developmental Disorders*. Advance online publication. doi: 10.1007/s10803-019-03940-2





Changing the Employment Landscape for Young People with Disabilities Erik Carter | Vanderbilt University



TO EQUIP...

- Young people with disabilities to aspire toward competitive work from an early age
- Families to pursue competitive work for their members with disabilities
- Educators across school levels to prepare their students for future careers
- State systems to support competitive work in every corner of the state
- Communities to receive the gifts and contributions of young people with disabilities





tennesseeworks





SOME KEY

THEMES

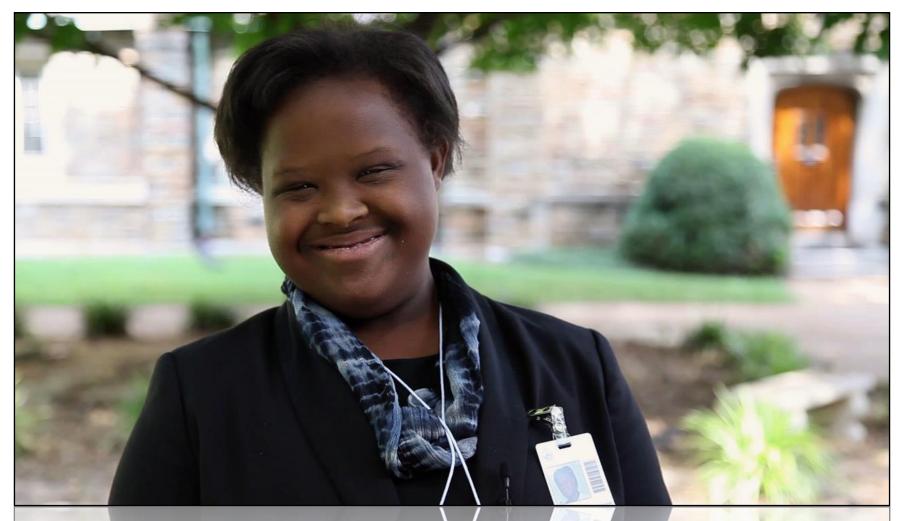
- 1. Chasing aspirations
- 2. Elevating expectations
- 3. Changing introductions
- 4. Aligning policies
- 5. Equipping professionals
- 6.Making information accessible
- 7. Engaging communities
- 8.Measuring well
- 9.Investing in relationships
- 10.Coming soon...

1.

LED BY
ASPIRATIONS
At the forefront of everything

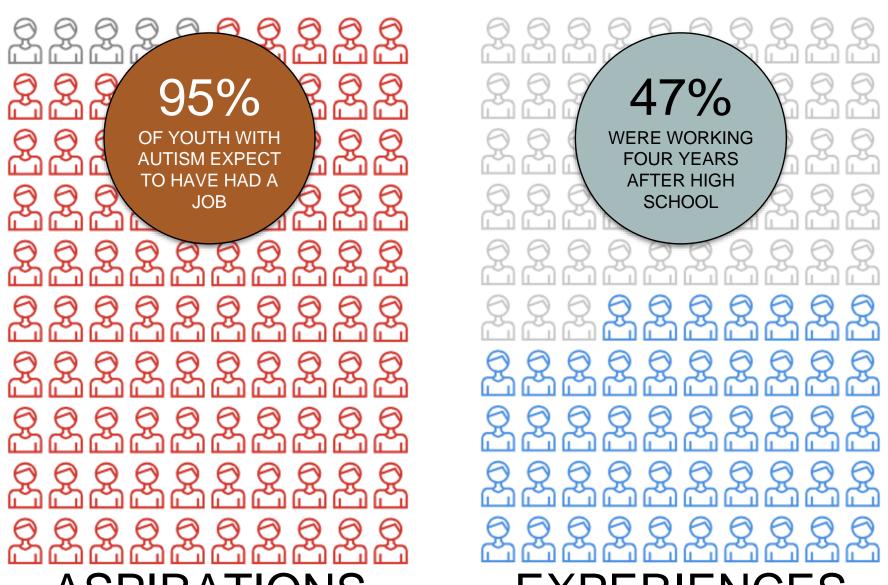


THE ASPIRATIONS OF YOUTH AND YOUNG ADULTS



View at: www.tennesseeworks.org/videos

ASPIRATIONS FOR EMPLOYMENT



ASPIRATIONS EXPERIENCES
Studies: Lipscomb, Haimson, Liu, Burghardt, Johnson, & Thurlow (2017); Newman et al. (2011)







Individuals and Families Workgrou



Advocacy at Disability Day on the I

RAISING EXPECTATIONS

Among families, educators, professionals, and others



Carter, Austin, & Trainor (2012); Carter et al. (2010)





Blustein et al. (2016); Gilson et al. (2016); Gilson et a Family Expectations





Awsumb et al. (in preparation); Carter et al. (in preparation Expectations

3.

CHANGING INTRODUCTIONS Matching strengths to community needs





www.hiremystrengths.org

4.

ALIGNING POLICIES

With high aspirations and expectations





employment-and-transition/employment-first-task-force.html

5.

EQUIPPING PROFESSIONALS
To implement the best of what we know works





Free, Online Professional Development Portal (with Pre-ETS coming)

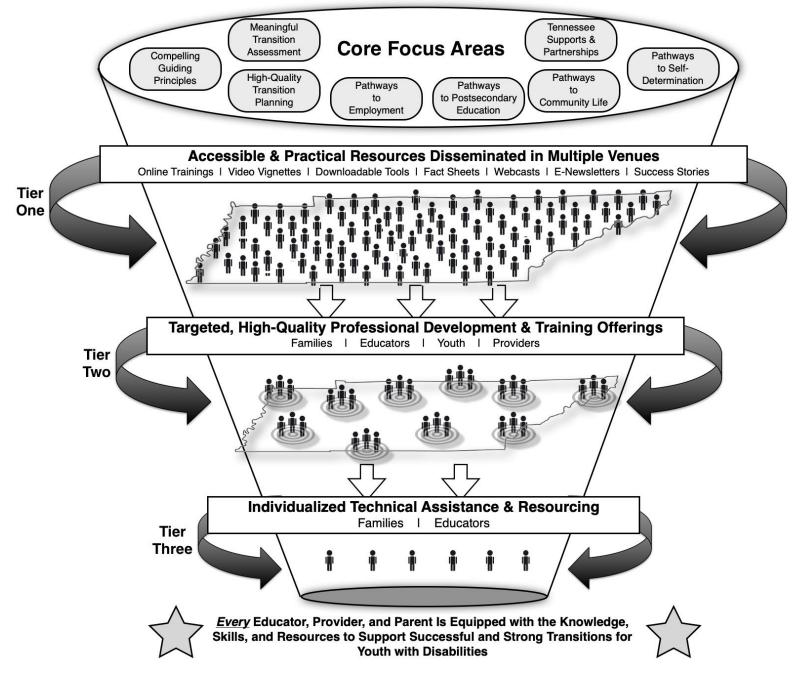


Annual Transition Conference



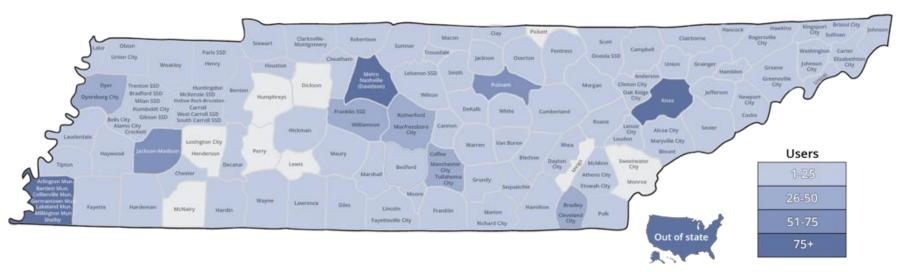
Employer Outreach Trainings

Visit: www.transitiontn.org



Carter, McMillan, & TennesseeWorks Partnership (2017)

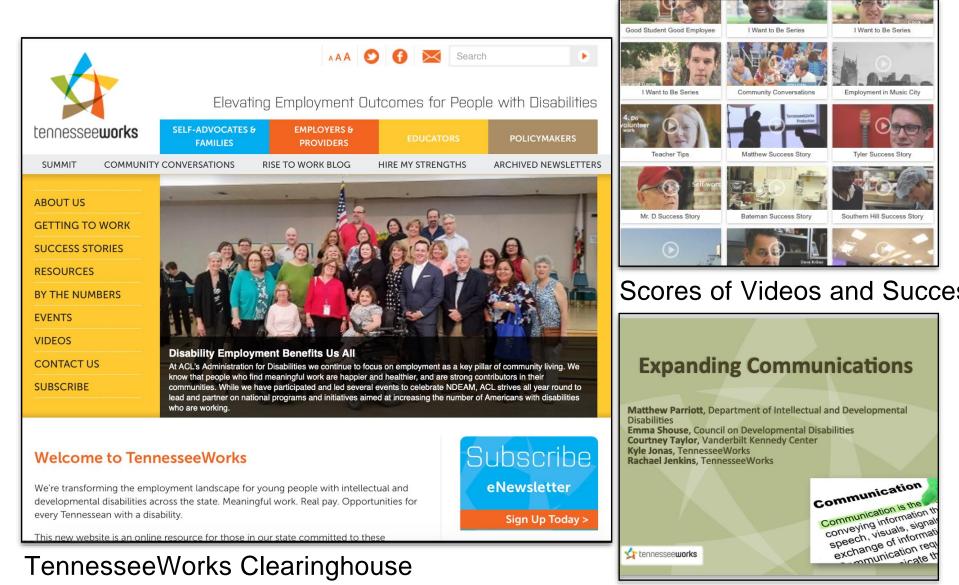
TransitionTN Impact



6.

MAKING
INFORMATION
ACCESSIBLE
For everyone at any time





New Cross-Agency Dissemin

www.tennesseeworks.org





Employment Success Stories

Rise to Work: An Insider's Look at Disabilities and **Employment**

Each week, we will bring you interesting and important information on employment-related topics for family members of individuals with disabilities. Want our weekly blogs delivered straight to your inbox? Click here to subscribe

March 15th: How Employment Can Change the Life of Someone with a Disability (and Everyone Involved)

March 8th: What Is "Supported Employment?"

March 1st: How Does This "Work Stuff" Work?

February 23rd: What are the Top Predictors of Employment for Young People with Disabilities?

February 16th: You Expect Him to Do What?

February 9th: Young Advocate Finds Disability Day on the Hill "Very Exciting"

February 2nd: Disability Day on the Hill: Confessions of a First-Timer

January 26th: What is the PIE Conference?

About the Author



Janet Shouse is a parent of a young adult with autism, and she is passionate about inclusion, employment of people with disabilities, medical issues related to developmental disabilities, supports and services, public policy, legislative initiatives, advocacy, and the intersection of faith and disability. She wears

Family Coalitions

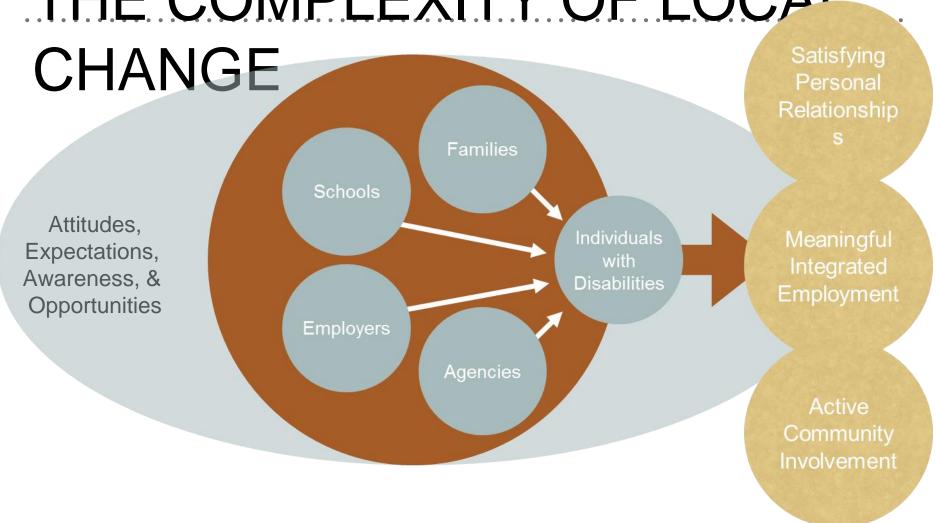
Parent Resources and Blog

7.

ENGAGING COMMUNITIES In new and clever ways



THE COMPLEXITY OF LOCAL





Community Conversation Events

Event Topics to Date

- Integrated employment
- Workshop conversions
- Postsecondary education access
- ➤ Independent living
- ➤ Family engagement
- ➤ Community inclusion

Bumble et al. (2017, 2018, 2019, in preparation); Carter et al. (2016, 2017, in preparation)

8.

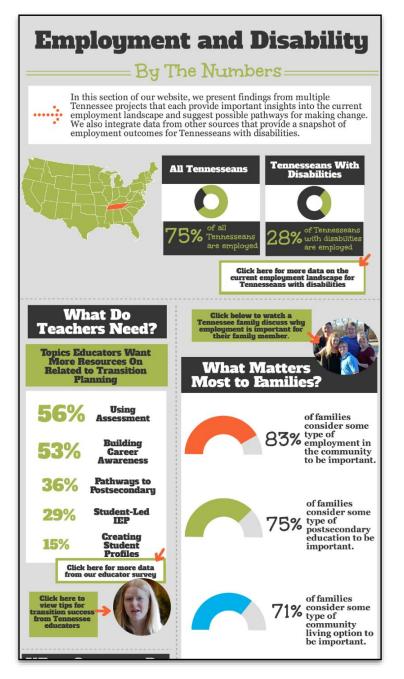
MEASURING WELL Data is not a four-letter word*

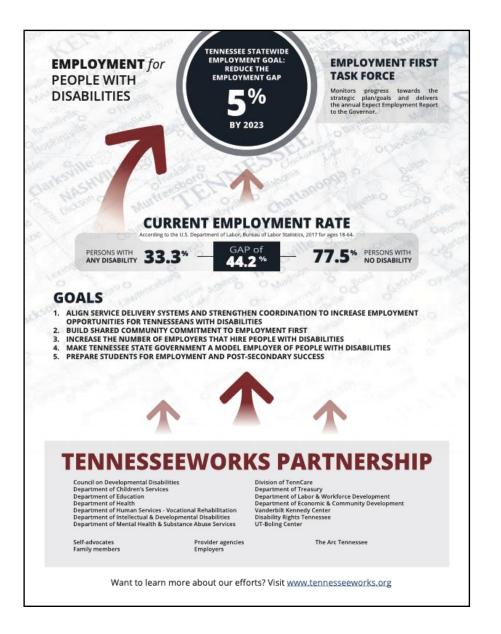


chnically, it is.

66

If you don't know where you're going, you might not get there.





SOME EXAMPLE STUDIES

- ➤ Family perspectives on the appeals of and alternatives to sheltered employment for individuals with severe disabilities. Research and Practice for Persons with Severe Disabilities
- ➤ Community conversations on inclusive higher education for students with intellectual disability. Career Development and Transition for Exceptional Individuals.
- ➤ Community conversations on integrated employment: Individualization and impact.

 Journal of Disability Policy Studies.
- ➤ Parent perspectives on integrated employment for adults with intellectual and developmental disabilities. Research and Practice for Persons with Severe Disabilities.
- ➤ Using community conversations to expand employment opportunities for people with disabilities in rural and urban communities. Journal of Vocational Rehabilitation.
- ➤ The promise and possibilities of community conversations: Expanding employment opportunities for people with disabilities. Journal of Disability Policy Studies.
- ➤ Informing and equipping parents of individuals with intellectual and developmental disabilities. Intellectual and Developmental Disabilities.
- ➤ The voices of parents: Post-high school expectations, priorities, and concerns for children with developmental disabilities. The Journal of Special Education.
- ➤ Engaging communities in identifying local strategies for expanding integrated employment during and after high school. American Journal on Intellectual and Developmental Disabilities.
- > School-business partnerships and students with intellectual and developmental

9.

INVESTING IN RELATIONSHIPS
Across all our partners





Erik Carter | Vanderbilt University

Autism-Ready Workplace

Creating and Scaling Autism Hiring Initiatives

Hala Annabi Associate Professor

hpannabi@uw.edu
http://access-it.ischool.uw.edu/Wordpress





Autism Community Employment Challenge

Only 14% of adults with autism are employed

Over the next decade 500,000 children on the spectrum will enter adulthood

Adults with autism face many more barriers in securing and sustaining employment compared to all other groups of adults with disabilities

Why focus on employment?

Employment is core to a person's quality of life¹

- Means for independent living
- Pursue interests & improve cognitive performance
- Key to an individual's ability to contribute to society
- Meet their need for inclusion & belonging

Employed disabled individuals experience²

- Higher quality of life
- Especially when it is paid integrated employment

Employed autistic individuals experience³

- Financial benefits
- Emotional and health benefits

Interest from Industry

- ✓ Social impact
- ✓ Benefits related to autism

Unique strengths¹

- Attention to detail
- Focus on work and results (productivity)
- Accept repetitive tasks
- Analytical thinking
- Visualization
- Systemizing

Employee characteristics²

- Trustworthiness
- Reliability
- Low absenteeism
- Innovation

1 (Howlin et al., 2004) - 2 (Smith et al., 1986; Austin & Pisano, 2017)





AUTISM @ **WORK** EMPLOYER ROUNDTABLE

We are a collection of innovative leaders who have been running autism-focused hiring initiatives for at least one year. As a collection of cross industry employers,

SPECIALISTERNE



Passion for details

















The Rise of Autism Hiring Initiatives



Autism Hiring Initiatives

- ✓ Great potential
- Challenges persist
- Unanswered questions

What organizational and intervention characteristics maximize opportunities for inclusion of and reduce challenges for employees on the autism spectrum?

(Austin and Pisano, 2017; Morris et al., 2015, Annabi et al., 2017, Hedley et al., 2018)



STUDY OBJECTIVES

1.

 Exploratory study of emerging autism hiring programs

2.

 Identify key organizational characteristics that enable autism hiring programs

3

 Determine best practices and pathways for more and better employment

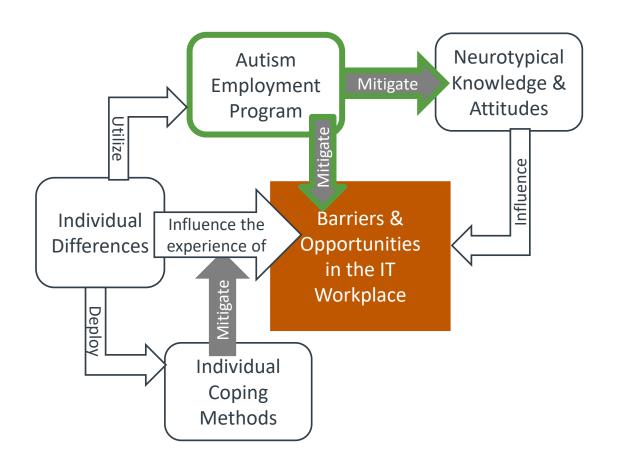






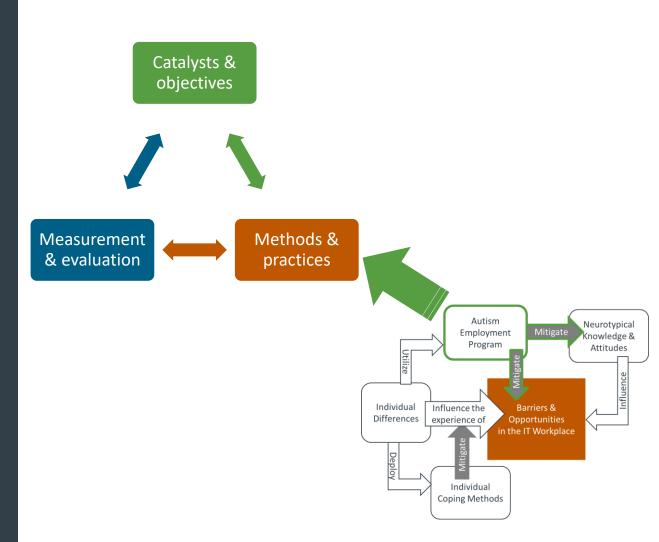
Organizational Interventions Mitigating Individual Barriers Framework

(Annabi & Locke, In Press)



Organizational Interventions Mitigating Individual Barriers Framework

(Annabi & Locke, In Press)





METHOD









Data Sources:





Autism at Work Summit Research Workshop 2018

Data Analysis:







Findings

Catalysts & objectives



- ✓ Enhance corporate social responsibility
- ✓ Meet rapidly growing demand for tech talent
- ✓ Employee-focused reputation and culture
- ✓ Enhance productivity, efficiency, and innovation
- ✓ Suitability of the local ecosystem

Open Questions

Catalysts & objectives





- ✓ How to sustain and scale programs?
- ✓ How to better serve individuals across the spectrum?
- ✓ How to engage a diversity of organizations (e.g., industry sectors, sizes)?
- ✓ How do autism hiring programs fit the broader diversity and inclusion efforts?



Findings

Catalysts & objectives

Measurement

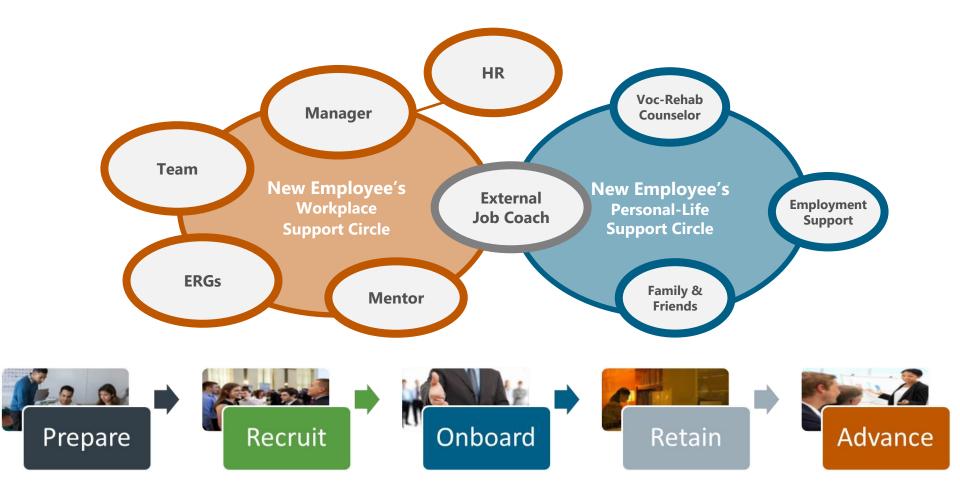
& evaluation

Methods & practices

- ✓ Secure leadership support
- ✓ Design employment model aligned with organization values and business model
- ✓ Build a culture of diversity
- Educate employees
- ✓ Improve supervisor relationship
- Provide accommodations
- Provide suitable recruitment & onboarding processes



Support throughout the employee lifecycle





Findings

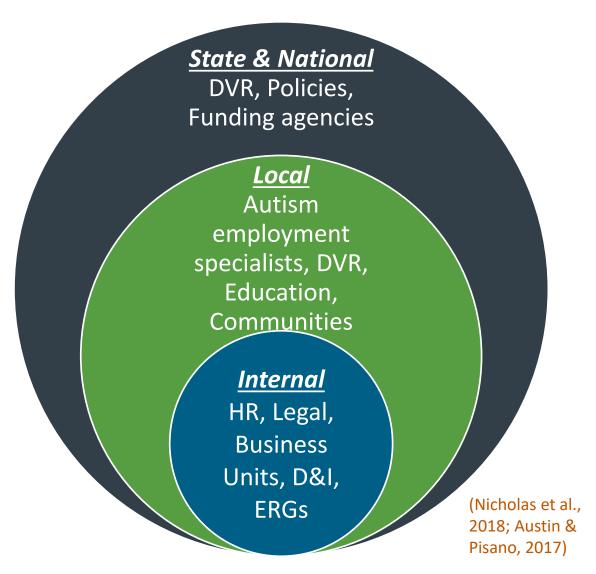
Catalysts & objectives

Measurement

& evaluation

Methods & practices

The Significance of the Ecosystem





Findings

Catalysts & objectives

Methods

Measurement & evaluation

Measurement & practices

The Significance of the Ecosystem





Eco systems values

Organizational values and needs



Open Questions



Ecosystem

✓ How to create a strong and well-aligned ecosystem?

Employee support and advocacy

- ✓ How to best include the voice of self-advocates in program design and execution?
- ✓ How do you best respect and protect the privacy of employees?
- ✓ How do we address mental health issues in the workplace?

Prepare the workplace

- ✓ How to prepare supervisors to better include autistic employees into the team?
- ✓ What are effective interventions to improve the knowledge, attitudes, and know how of coworkers and managers?

Open Questions



Preparation

- ✓ How to prepare autistic individuals for the workplace?
- ✓ How to prepare autistic individuals with life skills?
- ✓ How to improve individuals' positive self image?

Recruitment

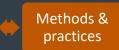
- How do we scale recruitment in numbers and type of jobs?
- ✓ How do we identify and use alternative mediums (e.g., social media, networks) to increase diversity (e.g., ethnicity, gender, socio-economic status)?
- ✓ How do you increase the participation of managers in autism hiring programs?



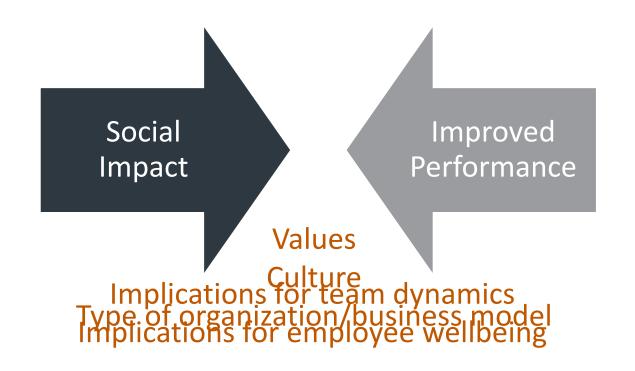
Findings

Catalysts & objectives

Measure ment & evaluation



- ✓ Established systematic evaluation
- ✓ Use specific metrics to measure impact





Open Questions

Catalysts & objectives



Measure ment & evaluation



- ✓ How do autistic people measure and talk about their own success?
- ✓ How to measure the organizational impact (KPI)?
- ✓ How to create evaluation systems aligned with organizational values and culture, and equitable to autistic employees?

Challenges for Researchers

Autism at Work Research Workshop 2018 How to developing partnerships between researchers and companies and create a win-win?

- The legal liability that the company holds
- The risk of confidentiality
- Practical implication for industry partners

How do you get schools to start preparation earlier to prepare students for the workplace?

How to best include the voice of self-advocates in research?

Challenges associated with regulatory environments/legal environment/lobbying

Questions





Break

Meeting of the IACC



Afternoon Agenda

3:55 Afternoon Break

4:10 Report from the HHS National Autism Coordinator

Ann Wagner, Ph.D.

HHS National Autism Coordinator and

Chief, Biomarker and Intervention Development for

Childhood-Onset Mental Disorders Branch

Division of Translational Research

National Institute of Mental Health

Meeting of the IACC



Afternoon Agenda

4:15 Summary of Advances Discussion

Susan Daniels, Ph.D.

Director, Office of Autism Research Coordination, NIMH and Executive Secretary, IACC

Joshua Gordon, M.D., Ph.D. Director, NIMH and Chair, IACC

4:50 Round Robin

5:00 Closing Remarks and Adjournment



National Autism Coordinator Update

Ann Wagner, Ph.D.

Interagency Autism Coordinating Committee Meeting April 17, 2019

Federal Interagency Workgroup on ASD (FIWA)

- Department of Health and Human Services (HHS)
 - Administration for Children and Families (ACF)
 - Administration for Community Living (ACL)
 - Agency for Healthcare Research and Quality (AHRQ)
 - Assistant Secretary for Planning and Evaluation (ASPE)
 - Center for Disease Control and Prevention (CDC)
 - Centers for Medicare and Medicaid Services (CMS)
 - Health Resources and Services Administration (HRSA)
 - Indian Health Services (IHS)
 - National Institutes of Health (NIH)
 - Substance Abuse and Mental Health Administration (SAMHSA)



Federal Interagency Workgroup on ASD (FIWA)

- Department of Education (ED)
- Department of Defense (DoD)
- Department of Justice (DOJ)
- Department of Labor (DOL)
- Department of Transportation (DOT)
- Social Security Administration (SSA)



Focus on Outcome Measures for Transitioning Youth and Adults with ASD

- The 2017 Report to Congress, Young Adults and Transitioning Youth with Autism Spectrum Disorders identified gap
 - Outcome measures needed to evaluate supports and services
 - Broadly addressing "quality of life"
- FIWA identified researchers working in this area
 - Research supported by grants from DoD, ACL, and NIH
- On March 19, 2019, FIWA held a special meeting to hear about these efforts
- Next steps
 - Work with presenters to disseminate their ideas
 - Work within federal programs to facilitate work in this area

Focus on Outcome Measures; Presenters and Selected References

Christina Nicolaidis, M.D., M.P.H.

Professor, Portland State University & Oregon Health and Science University

- Nicolaidis, C, Raymaker, D et, al. (2013) Comparison of Healthcare Experiences in Autistic and Non-Autistic Adults: A Cross-Sectional Online Survey Facilitated by an Academic-Community Partnership. *J Gen Intern Med 28(6):761–9*
- Nancy Cheak-Zamora, Ph.D.

Associate Professor, University of Missouri-Columbia

- Cheak-Zamora NC, et al. (2017) Exploration and Comparison of Adolescents With Autism Spectrum Disorder and Their Caregiver's Perspectives on Transitioning to Adult Health Care and Adulthood. *J Pediatr Psychol*, Oct 1;42(9):1028-1039.
- Gale Whiteneck, Ph.D., F.A.C.R.M.

Principal Investigator, Craig Hospital Research Department

- Whiteneck G, Dijkers MP. (2009) Difficult to measure constructs: conceptual and methodological issues concerning participation and environmental factors. *Arch Phys Med Rehabil*, 90(11 Suppl 1):S22-35
- Mark Salzer, Ph.D.

Professor of Social and Behavioral Sciences, Temple University

• Thomas, E. C., Snethen, G., & Salzer, M. S. (2017). A developmental study of community participation of individuals with serious mental illnesses: Implications for policy and practice. *American Journal of Orthopsychiatry*, 87(5), 597-605.

Opportunities for Coordination with Broader Effort on Adolescents Transitioning to Adulthood

- Federal Partners in Transition
 - Since 2005; led by DOL, SSA, and DOE
 - Guided by 2020 Federal Youth Transition Plan: A Federal Interagency Strategy
 - Goal: To improve transition outcomes for youth with disabilities
- Trans-NIH Pediatric Research Consortium (N-PeRC)
 - Since 2018; led by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
 - Subgroup focusing on adolescent transition to adulthood
- HHS Coordination of Efforts on Youth in Transition
 - ACL initiated meeting to coordinate cross-HHS activities
 - Health care transition for youth, particularly those with disabilities and special health care needs

2019 Summary of Advances Nominations January – April 2019



Joshua A. Gordon, M.D., Ph.D.
Director, National Institute of Mental Health
Chair, IACC

Question 2: Biology





Apr 2018

Shank3 Modulates Sleep and Expression of Circadian Transcription Factors. Ingiosi A, Schoch H, Wintler TP, Singletary KG, Righelli D, Roser L, Medina E, Risso D, Frank MG, Peixoto L

nature neuroscience

Feb 2019

Pathological priming causes developmental gene network heterochronicity in autistic subject-derived neurons.

Schafer ST, Paquola ACM, Stern S, Gosselin D, Ku M, Pena M, Kuret TJM, Liyanage M, Mansour AA, Jaeger BN, Marchetto MC, Glass CK, Mertens J, Gage FH

Question 3: Risk Factors



JAMA Psychiatry

Mar 2019

Long-term Risk of Neuropsychiatric Disease After Exposure to Infection In Utero.

Al-Haddad BJS, Jacobsson B, Chabra S, Modzelewska D, Olson EM, Bernier R, Enquobahrie DA, Hagberg H, Östling S, Rajagopal L, Adams Waldorf KM, Sengpiel V

Annals of Internal Medicine

Mar 2019

Measles, Mumps, Rubella Vaccination and Autism: A Nationwide Cohort Study. Hviid A, Hansen JV, Frisch M, Melbye M

Question 3: Risk Factors



JAMA Psychiatry

Feb 2019

Association of Maternal Prenatal Vitamin Use With Risk for Autism Spectrum Disorder Recurrence in Young Siblings

Schmidt RJ, Iosif AM, Guerrero Angel E, Ozonoff S

European Child + Adolescent Psychiatry Official Journal of the European Society for Child and Adolescent Psychiatry

Feb 2019

Increased risk of ADHD in families with ASD

Septier M, Peyre H, Amsellem F, Beggiato A, Maruani A, Poumeyreau M, Amestoy A, Scheid I, Gaman A, Bolognani F, Honey G, Bouquet C, Ly-Le Moal M, Bouvard M, Leboyer M, Bourgeron T, Delorme R

Question 4: Treatments and Interventions



Journal of the American Academy of
CHILD & ADOLESCENT
PSYCHIATRY

Jan 2019

A Multisite Randomized Controlled Two-Phase Trial of the Early Start Denver Model Compared to Treatment as Usual.

Rogers SJ, Estes A, Lord C, Munson J, Rocha M, Winter J, Greenson J, Colombi C, Dawson G, Vismara LA, Sugar CA, Hellemann G, Whelan F, Talbott M

Question 5: Services





Mar 2019

Treatment patterns in children with autism in the United States.

Monz BU, Houghton R, Law K, Loss G

Question 6: Lifespan Issues





Apr 2019

A 20-year study of suicide death in a statewide autism population.

Kirby AV, Bakian AV, Zhang Y, Bilder DA, Keeshin BR, Coon H

Journal of Autism and Developmental Disorders

Mar 2019

Use of Vocational Rehabilitation Supports for Postsecondary Education Among Transition-Age Youth on the Autism Spectrum.

Rast JE, Roux AM, Shattuck PT

Question 6: Lifespan Issues



Journal of Autism and Developmental Disorders

Mar 2019

Competitive Employment for Transition-Aged Youth with Significant Impact from Autism: A Multi-site Randomized Clinical Trial.

Wehman P, Schall C, McDonough J, Sima A, Brooke A, Ham W, Whittenburg H, Brooke V, Avellone L, Riehle E



Round Robin



Adjournment

Next IACC Meeting



Wednesday, July 24th 2019