Towards a Model of Employment Support for Adults with ASD

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Conflicts of Interest

We have no conflicts of interest to declare

Presentation Outline

- 1. Background of ASD
- 2. Brief review of methods
- 3. Results
- 4. Implications for health services for adults with ASD



Background

Cost associated with supporting adults with ASD:

- 45% of adult costs are due to <u>lost employment¹</u>
- \$22 billion a year goes toward supporting those with ASD in Canada

Mental health comorbidities:

Anxiety and depression²

Background (continued)

- Employment is reported to be a significant factor contributing to <u>one's</u> <u>identity</u> and <u>quality of life³</u>
- The unemployment rate of Canadian adults with ASD is estimated to be 66% (10x Canadian rate of unemployment)⁴





Why are we interested in this topic?

- Occupation is recognized implicitly as an important determinant of health⁶
- Enabling people to do what they want and need to do = their occupations
- Occupational Therapy enables ALL people to live full and meaningful lives through engagement in meaningful occupations.



Research Question

What is known in the existing literature about the barriers and facilitators to employment for adults with



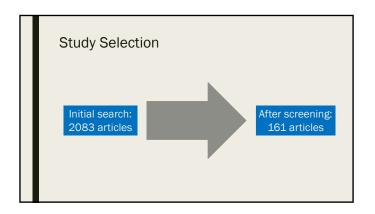
Methods: Scoping Review Used methodological framework outlined by Arskey and O'Malley⁵ Five components: Determine the research question Identify relevant studies 3. Study selection 4. Appraise the quality and extract the data 5. Collate and summarize results

Identification of Relevant Studies

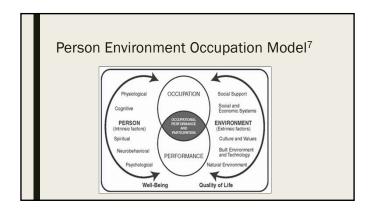
Inclusion Criteria:

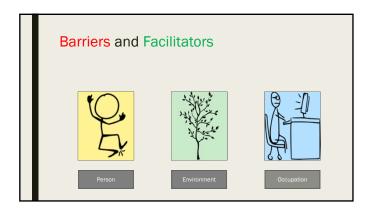
- Published in the English language
- Human subjects, 18 years and older Published between **January 1, 2000**
- and March 31, 2017 Research subjects with a diagnosis of
- · Literature from peer-reviewed journals
- or grey literature Review articles
- Research reviews limited to developed

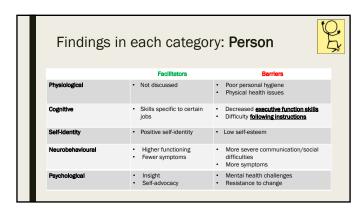
- Non-rigorous journal articles that are outside those defined in the inclusion list (e.g. opinion articles, anecdotal information, book reviews, etc.)
- · Undergraduate dissertations
- Policy analyses

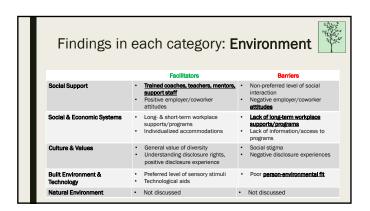


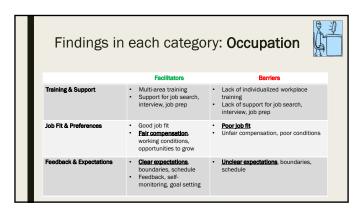
Evidence-Based Table Level of Evidence Number of Articles Study Design Systematic reviews, meta analyses, randomized control trials 26 Two groups, nonrandomized studies (e.g. cohort, case-control) Ш One group, nonrandomized studies (e.g. before and after, pretest and 35 posttest) Descriptive studies that include analysis of outcomes Total: 161















Conclusions

- The literature on the topic of employment and ASD is extensive
- There are many small sample size studies and lower "quality"
- Key themes included customized and diverse training/support from well-trained professionals and a positive surrounding community
- Recommendation: <u>coordinated</u>, <u>systematic</u> and <u>comprehensive</u> approach to employment support











Next Steps

- **Create** an innovative and useful tool for professionals working with adults with ASD
- Partner with local adults with ASD, families, and relevant
- Advocate provincially and federally for customized workplace accommodations and comprehensive support programming $^{\rm 8}$



How you can reach us?











References

¹Buescher AVS, Cidav Z, Knapp M, Mandell DS. Costs of Autism Spectrum Disorders in the United Kingdom and the United States. *JAMA Pediatrics*, 2014;168(8), 721-728. doi:10.1001/jamapediatrics.2014.210

²Weiss JA, Whelan M, McMorris C, Carroll C, The Canadian Autism Spectrum Disorders Alliance. Autism in Canada: National Needs Assessment Survey for Families, Individuals with Autism Spectrum Disorder and Professionals. 2014.

³Scott M, Falkmer M, Girdler S, Falkmer T. Viewpoints on factors for successful employment for adults with autism spectrum disorder. PLoS ONE [Electronic Resource]. 2015;10(10). doi:10.1372/journal.pone.0143674

⁴Chen JL, Sung C, Pi S. Vocational rehabilitation service patterns and outcomes for individuals with autism of different ages. Journal of Autism and Developmental Disorders. 2015;45(9):3015-3029. doi:10.1007/s10803-015-2465-y

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⁶CAOT. Enabling occupation: an occupational therapy perspective. Ottawa: CAOT Publications ACE, 2002.

⁷Christiansen C, Baum C, Bass J, eds. Occupational therapy: Performance, participation, and wellbeing, 4th edition. Slack Thorofare: NJ; 2005.

⁸Canadian Institutes of Health Research. Strategy for Patient-Oriented Research. Canadian Institutes of Health Research. http://www.cihr-irsc.gc.ca/e/41204.html. Updated July 25, 2016. Accessed April 9, 2017.