# Assessing for Fetal Alcohol Spectrum Disorder: A National Survey of Assessment Measures Used by FASD Clinics in Canada

As a member of a Canadian clinic that provides asessment and diagnostic services for individuals with Fetal Alcohol Spectrum Disorder (FASD), you are invited to participate in this study.

Title: Assessing for Fetal Alcohol Spectrum Disorder: A National Survey of Assessment Measures Used by FASD Clinics in Canada

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What is this project about? The purpose of this project is to collect information about the testing measures used by FASD clinicians across Canada to evaluate neurodevelopmental functioning in their clients. The overall goals of the project are to:

- Provide an overview of the measuses used in Canada to assess for FASD across the lifespan

- Determine which measures are most commonly used by Canadian FASD clinicians

- Find any areas of FASD assessment where adequate assessment measures may be lacking

- Identify additional measures that may be considered beyond those recommended in the current FASD diagnostic guideline

What will we ask you to do? We are asking FASD assessment and diagnostic clinicians (i.e., physicians, psychologists, speech language therapists, and occupational therapists) to complete an online survey. The survey will take approximately 20 minutes to complete. Participation in this study is voluntary and you have the right not to participate. You can discontinue your participation and withdraw from the study at any time without penalty. You may choose to exit the survey by simply closing the browser page. If you choose to discontinue your participation, we will only use the data collected prior to participant withdrawal as it directly relates to the study purpose and procedures.

Are there any risks if I agree to participate? There is an extremely minimal social risk associated with this survey. For example, although no individual-level data will be reported, readers may be able to identify which clinics have participated or which clinics are using particular measures, especially if you work at a small or specialized diagnostic clinic. However, this risk will be minimized by aggregating questionnaire data and no individual clinic information will be available. We believe that this risk is not beyond a risk that you may encounter in your daily practice.

How can you benefit if you agree to participate? There are no direct personal benefits to participation in this study. However, information we gather will provide us with a better understanding of the measures used by clinicians to assess for FASD, and help us to increase consistency, best practices, and sharing of useful information that can benefit other clinics. Ultimately, identifying a comprehensive, reliable, and usable testing battery for FASD assessment will improve the clarity and accuracy of the diagnostic process and facilitate advancements in the field.

How will your information be used? Once the surveys have been completed, we will aggregate the data collected with all identifiers removed. All information we collect will be private and kept confidential. No one will see the answers you give to questions except members of the research team. All information will be stored in a password-protected file. You personal information, such as your clinic name and clinical role, will be kept separate from your survey responses.





Do you receive anything for participating? All clinics who complete this survey will be entered into a raffle draw for one paid conference registration fee to the 8th International Conference on Fetal Alcohol Spectrum Disorder, March 6-9, 2019, in Vancouver, BC, valued at approximately \$700.

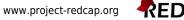
Do you have questions or want more information? Please contact Kelly Coons-Harding at kharding@laurentian.ca or kelly.harding@canfasd.ca, Colleen Burns at clinictraining@lcfasd.com, or Audrey McFarlane at AMcFarlane@lcfasd.com if you have any questions about this study. If your questions or concerns are not answered, you may contact the Research Ethics Officer, Laurentian University Research Office, at 705-675-1151 or 1-800-461-4030, extention 3213, or at ethics@laurentian.ca.

Consent Statement I understand that: - I do not have to answer all of the questions in the survey - My answers will be anonymized after they are collected -All information will be kept confidential and secure - There are no particular risks if I participate - I may withdraw from the study at any time without penalty - I may keep this information about the study I understand that by completing this survey, I am agreeing to participate in this study.

Thank you very much for your time. Have a nice day!

Yes
No

Clinic Demographic Information	
Your clinic name	
Do you provide assessment services at more than one FASD clinic?	☐ Yes ☐ No
If yes: How many FASD clinics do you work with?	
If yes: Please list the names, locations (e.g., province or territory), and clinic type (e.g., paediatric, adult, etc.) of all FASD clinics where you provide assessment services.	
Do you use the same testing measures at all FASD clinics?	□ Yes □ No
If no: Please describe these differences.	
Your clinic type	<ul> <li>Paediatric</li> <li>Adult</li> <li>Paediatric and Adult</li> <li>Other</li> </ul>
Your province or territory	<ul> <li>Alberta</li> <li>British Columbia</li> <li>Manitoba</li> <li>New Brunswick</li> <li>Nova Scotia</li> <li>Newfoundland and Labrador</li> <li>Northwest Territories</li> <li>Nunavut</li> <li>Ontario</li> <li>Quebec</li> <li>Saskatchewan</li> <li>Yukon</li> <li>Prince Edward Island</li> </ul>
What is your profession?	<ul> <li>Psychologist</li> <li>Family Physician</li> <li>Paediatrician</li> <li>Psychiatrist</li> <li>Nurse or Nurse Practitioner</li> <li>Occupational Therapist</li> <li>Speech Language Pathologist</li> <li>Other</li> </ul>
If other, please specify:	
Which professions are part of your core diagnostic team? Please check all that apply.	<ul> <li>Psychologist</li> <li>Family Physician</li> <li>Paediatrician</li> <li>Psychiatrist</li> <li>Nurse or Nurse Practitioner</li> <li>Occupational Therapist</li> <li>Speech Language Pathologist</li> <li>Clinic Coordinator</li> <li>Other</li> </ul>
If other, please specify:	





Which additional members are part of your clinical team, where appropriate? Please check all that apply.

- Addiction Counsellor

- Addiction Counsellor
   Advocate or Mentor
   Childcare Worker
   Clinic Coordinator
   Clinical Geneticist
   Cultural Interpreter/Liaison
   Dysmorphologist
   Mental Health Professional
   Probation Officer
   Social Worker
- Social Worker
- Teacher
- Vocational Counsellor
- Other

If other, please specify:



In the questions below, please indicate which tests you routinely use during your assessment for FASD in each age range. Please indicate only the tests that you actively use in your current assessments. Do not include tests that may be available to you, but that you do not routinely use in your FASD assessments.

If your test does not appear on the list, please enter it in the space below the table ensuring that you indicate which version or edition. Note that the list below includes the most recent edition of each measure. If you use different editions than those listed below, please note your edition in the space below the table.

#### **Motor Skills**

	0-3 Months	3-18 Months	18-36 Months	36 Months - 6 Years	7-18 Years	18+ Years
Abnormal Involuntary Movement Scale						
Beery-Buktenica Developmental Test of Visual-Motor Integration - 6th Ed.						
Bruininks-Oseretsky Test of Motor Proficiency - 2nd Ed.						
(Short Form) Bruininks-Oseretsky Test of Motor Proficiency - 2nd Ed. (Complete Form)						
Developmental Test of Visual Perception						
Finger Tapping/Oscillation Test						
Grooved/Purdue Pegboard Test						
Hand Dynamometer/Grip Strength Test						
McMaster Handwriting Assessment Protocol						
Miller Function & Participation Scales						
Movement Assessment Battery for Children - 2nd Ed.						
Peabody Developmental Motor Scales - 2nd Ed.						
Quick Neurological Screening Test - 3rd Ed.						
Sensory Profile - 2nd Ed.						
Sensory Profile Measure						
Shore Handwriting Screening						
Other						
If other, please specify.						



## Neuroanatomy/Neurophysiology

	0-3 Months	3-18 Months	18-36 Months	36 Months - 6 Years	7-18 Years	18+ Years
Assessment for physical/medical anomalies associated with FASD (e.g., microcephaly)						
History of seizures						
Review of past neuroimaging reports						
Facial measurements (manual)						
Photographic facial analysis software						
Other						
If other, please specify.						



## Cognition

	0-3 Months	3-18 Months	18-36 Months	36 Months - 6 Years	7-18 Years	18+ Years
Bayley Scales of Infant and Toddler Development - 3rd Ed.						
Detroit Test of Learning Aptitude						
Developmental Assessment of Young Children						
Mullen Scale of Early Learning						
Stanford-Binet Intelligence Scales - 5th Ed.						
Wechsler Abbreviated Scale of Intelligence - 2nd Ed.						
Wechsler Adult Intelligence Scale - 4th Ed.						
Wechsler Intelligence Scale for Children - 5th Ed.						
Wechsler Nonverbal Scale of Ability						
Wechsler Preschool and Primary Scale of Intelligence - 4th Ed.						
Other						
If other, please specify.						



### Language

	0-3 Months	3-18 Months	18-36 Months	36 months - 6 Years	7-18 Years	18+ Years
Boston Naming Test - 2nd Ed.						
Children's Communication Checklist - 2nd Ed.						
Clinical Evaluation of Language Fundamentals - 5th Ed.						
Comprehensive Assessment of Spoken Language - 2nd Ed.						
Comprehensive Receptive and Expressive Vocabulary Test - 3rd						
Ed Controlled Oral Word Association Test						
Expressive One-Word Picture Vocabulary Test - 4th Ed.						
Receptive One-Word Picture Vocabulary Test - 4th Ed.						
Expressive Vocabulary Test - 2nd Ed.						
Listening Comprehension Test						
Oral and Written Language Scales - 2nd Ed.						
Peabody Picture Vocabulary Test - 4th Ed.						
Preschool Language Scales - 5th Ed.						
Receptive-Expressive Emergent Language Test - 3rd Ed.						
Renfrew Bus Story						
Rosetti Infant Toddler Scale						
Social Language Development Test - Elementary: Normative Updates						
Social Language Development Test - Adolescent: Normative						
Updates Test of Narrative Language - 2nd Ed.						
Test of Problems Solving - 3rd Ed. Elementary						
Test of Problems Solving - 2nd Ed. Adolescent						
Test of Word Knowledge						
Other						
16 11 1 16						

If other, please specify.



#### **Academic Achievement**

	0-3 Months	3-18 Months	18-36 Months	36 Months - 6 Years	7-18 Years	18+ Years
Bracken Basic Concepts Scale - 3rd Ed. Receptive						
Process Assessment of the Learner - 2nd Ed.						
Wechsler Fundamentals: Academic Skills						
Wechsler Individual Achievement Test - 3rd Ed.						
Wide Range Achievement Test - 4th Ed.						
Woodcock Johnson IV Tests of Achievement						
Other						
If other, please specify.						



#### Memory

	0-3 Months	3-18 Months	18-36 Months	36 Months - 6 years	7-18 Years	18+ Years
Benton Visual Retention Test						
Brief Visuospatial Memory Test - Revised						
Child and Adolescent Memory Profile						
California Verbal Learning Test - 2nd Ed.						
California Verbal Learning Test - Children's						
Children's Memory Scale						
NEPSY - 2nd Ed.						
Rey Auditory Verbal Learning						
Test Rey Complex Figure Test and Recognition Trial						
Rivermead Behavioural Memory Test						
Test of Memory and Learning - 2nd Ed.						
Wechsler Memory Scale - 4th Ed.						
Wide Range Assessment of Memory and Learning - 2nd Ed.						
Other						
If other, please specify.						

If other, please specify.



### Attention

	0-3 Months	3-18 Months	18-36 Months	36 Months - 6 Years	7-18 Years	18+ Years
Attention Process Training - 3rd Ed.						
Behavior Assessment System for Children - 3rd Ed.						
Brief Test of Attention						
Conners Continuous Performance Test - 3rd Ed.						
Conners Rating Scales - 3rd Ed.						
Conners Adult ADHD Rating Scales						
Digital Vigilance Test						
Integrated Visual and Auditory Learning - 2nd Ed.						
NEPSY - 2nd Ed.						
Spatial Span						
Swanson Nolan and Pelham Questionnaire - 4th Ed.						
Visual Search and Attention Test						
Other						
If other, please specify.						



## Executive Function, including Impulse Control and Hyperactivity

	0-3 Months	3-18 Months	18-36 Months	36 Months - 6 Years	7-18 Years	18+ Years
Behavior Rating Inventory of Executive Function - 2nd Ed.						
Behavior Rating Inventory of Executive Function - Adult						
Brixton Spatial Anticipation Test						
Category Test (Booklet, Children's, or Halstead)						
Comprehensive Executive Function Inventory						
Comprehensive Executive Function Inventory - Adult						
Delis-Kaplan Executive Function System						
Functional Assessment of Verbal Reasoning and Executive Strategies						
lowa Gambling Task						
NEPSY - 2nd Ed.						
Rey Complex Figure Test and Recognition Trial						
Rey-Osterreich Complex Figure						
Social Language Development Test - Elementary: Normative Updates						
Social Language Development Test - Adolescent: Normative						
Updates Stroop Test						
Symbol Digit Modalities Test						
Test of Problems Solving - 3rd Ed. Elementary						
Test of Problems Solving - 2nd Ed. Adolescent						
Trail Making Test						
Wisconsin Card Sort Task						
Other						

If other, please specify.



## Affect Regulation

	0-3 Months	3-18 Months	18-36 Months	36 Months - 6 Years	7-18 Years	18+ Years
Beck Anxiety Inventory						
Beck Depression Inventory - 2nd Ed.						
Beck Youth Inventory - 2nd Ed.						
Behavior Assessment System for Children - 3rd Ed.						
Behavior Dimensions Scale - 2nd Ed.						
Child Behavior Checklist						
Millon Adolescent Clinical Inventory						
Millon Clinical Multiaxial Inventory - 4th Ed.						
Mini International Personality Item Pool						
Minnesota Multiphasic Personality Inventory - 2nd Ed.						
Minnesota Multiphasic Personality Inventory -						
Adolescent Personality Assessment						
Inventory Personality Assessment Inventory - Adolescent						
Screen for Child Anxiety Related Disorders						
Symptom Checklist-90-Revised						
Trauma Symptom Inventory - 2nd Ed.						
Other						
If other, please specify.						



#### Adaptive Behaviour, Social Skills, and Social Communication

Adaptive Behavior Assessment System - 3rd Ed.Image: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVBehavior Assessment System for Children - 3rd Ed.Image: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVBehavior Assessment System for Children - 3rd Ed.Image: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVBehavior Assessment System for Children - 3rd Ed.Image: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVClinical Evaluation of Language Fundamentals - 5th Ed.Image: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVIndependent Living ScalesImage: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IVImage: Constraint of the Wals-IV and WMS-IV	Years
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Children - 3rd Ed. Clinical Evaluation of Language  Fundamentals - 5th Ed. Independent Living Scales	
Fundamentals - 5th Ed.     Independent Living Scales	
Scales of Independent Behavior -	
Social Language Development  Test - Elementary: Normative Updates	
Social Language Development  Test - Adolescent: Normative	
Updates The Awareness of Social Interference Test - Revised	
Test of Social Language	
Texas Functional Living Scales	
Vineland Adaptive Behavior	
Other	

If other, please specify.

Thank you very much for taking the time to complete this survey. Have a nice day!

