

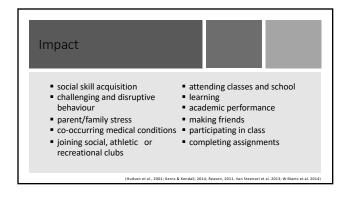
Learning Objectives

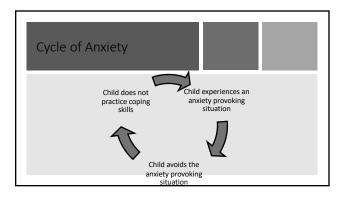
- $\circ\;$ increase understanding of anxiety in context of ASD
- o identify core components of CBT
- o discuss treatment of anxiety for students with ASD in the school context

Prevalence

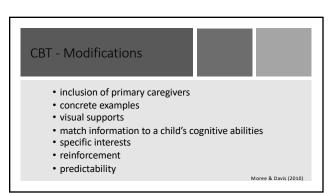
- most common mental health illness in Canada
- $\bullet\,$ anxiety symptoms are very common in individuals with ASD
 - 40% of children with ASD experience clinical levels of anxiety (van Steensel et al. 2011)
 - prevalence increases when consider significant impairing symptoms



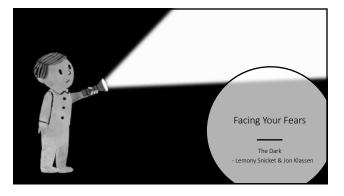


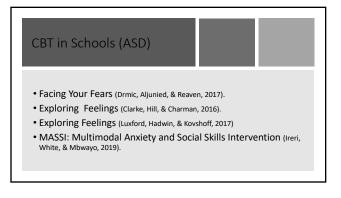








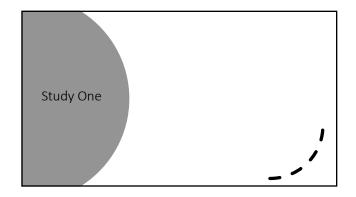


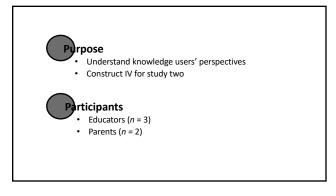


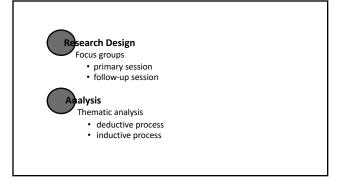
adoption and utilization of EST in real world settings efficacy vs effectiveness studies translating research into clinical practice conducted in school setting educators as intervention agent

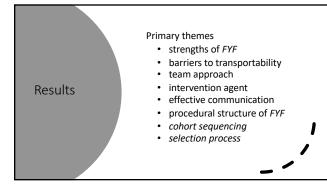






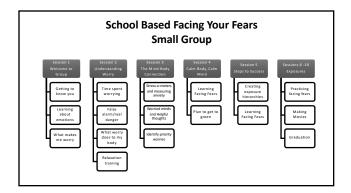


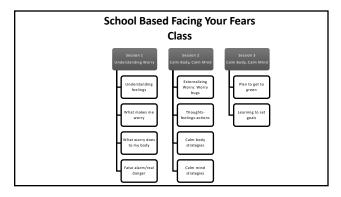


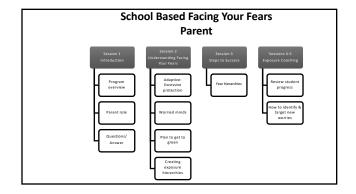


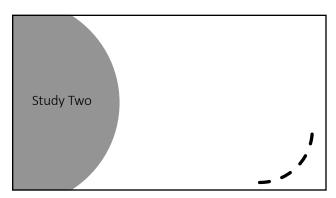
Theme	Subtheme	Frequency of responses			
		Educator Group	Parent Group	Total	
Strengths	Format Content	7 8	5 9	12 17	
Barriers to transportability	School capacity Scheduling Commitment	12 3 6	10 4 0	22 7 6	
Team approach	Parent involvement Class involvement Administrator support	6 4 4	7 3 2	13 7 6	
Intervention agent		6	5	11	
Communication		5	2	7	
Procedural structure	Exposure practice Scheduling	4 3	2 1	6 4	
Cohort sequencing		2	2	4	
Selection process		3	0	3	

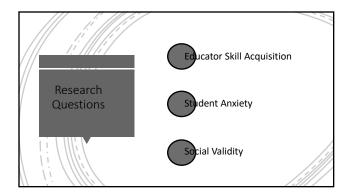
Session	Small Group	Class	Parent		
26221011	Small Group	Class	Parent		
1	Welcome to Group	Understanding Worry	Introduction		
2	Understanding Worry				
3	The Mind-Body Connection	Calm Body-Calm Mind	Understanding Facing Your Fears		
4	Calm Body – Calm Mind				
5	Steps to Success-Introduction to Exposure		Steps to Success		
6	Practicing Exposure and Making Movies	Calm Body- Calm Mind			
7	Practicing Exposure and Making Movies		Exposure Coaching		
8	Practicing Exposure and Making Movies				
9	Practicing Exposure and Making Movies		Exposure Coaching		
10	Graduation				











RQ1: Examining educator skill acquisition and treatment fidelity

- Will there be a statistically significant improvement in educators' CBT knowledge post-workshop when compared to baseline assessment?
- Will improvements in educators' CBT knowledge be maintained at follow-up?
- Will the training workshop and training feedback sessions be associated with a
 post-intervention average fidelity score of 80% or higher across educators
 implementing the modified school-based FYF program with students with ASD and
 anxiety?
- Will educators perceive the training workshop and training feedback sessions to be associated with their skill acquisition in implementing the FYF intervention?

RQ2: Examining student treatment outcomes

- Will participation in a modified school-based FYF intervention yield a statistically significant reduction in anxiety symptoms for elementary student with ASD post-intervention?
- Will students' reduction in anxiety symptoms be maintained at six-to-eightweek follow-up?
- Will a reduction in anxiety symptoms for elementary students with ASD reflect a clinically meaningful change?

RQ3: Assessing Social Validity

 Do educators, parents/caregivers of children with ASD, and children with ASD who participate in the modified FYF intervention view the school-based intervention as socially valid?



Educator (n = 6)

o counsellor, IST, EA, teacher

Student (n = 5) and Parent (n = 7)

- ASD + anxiety symptoms
- o ages 11-13 years
- o 4 males, 1 female

Research Design

Mixed methods approach

- o Quasi-experimental group design
 - o Educators: 3 assessment points
 - Students: 3 assessment points
- o Brief semi-structured interviews
 - $_{\circ} \quad \text{Educators: feedback sessions} \\$
 - o Students: weeks 4-10
- Focus groups

Independent Variables

RQ1: Examining educator skill acquisition and treatment fidelity

- o training workshop
- o training feedback sessions

RQ2: Examining student treatment outcomes

o school-based Facing Your Fears intervention

Dependent Variables

RQ1: Examining educator skill acquisition and treatment fidelity

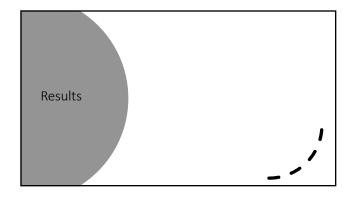
- $\circ \ \ \text{skill acquisition}$
- o treatment fidelity

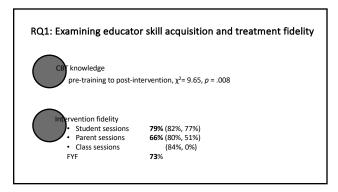
RQ2: Examining student treatment outcomes

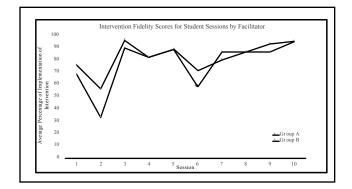
o student anxiety

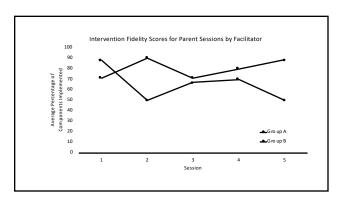
RQ3:Assessing social validity

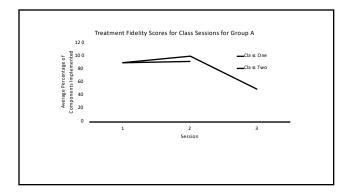
o acceptability and feasibility of SB-FYF

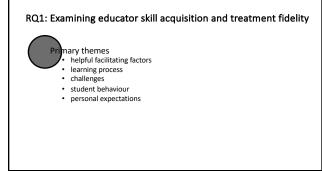


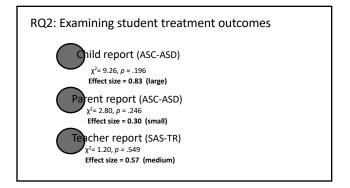




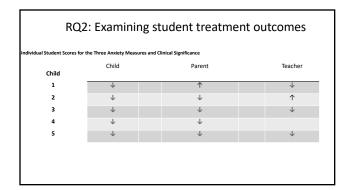


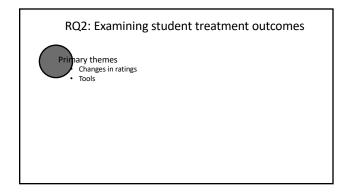


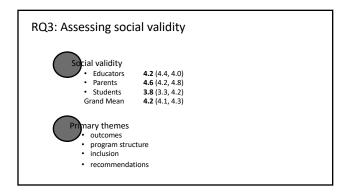


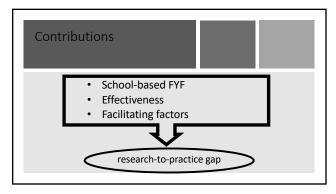


	ASC-ASD (C)		RCI (C)	ASC-ASD (P)		RCI (P)	SAS		RCI (T)
Child	1	III	(-)	1	iii ′	. ,	- 1	III	- , ,
1	24	17	1.25	22	30	-1.57	33	29	1.29
2	9	4	0.89	14	12	0.36	12	23	-3.49*
3	35	16	3.39*	36	22	2.75*	8	6	0.63
4	8	3	0.89	37	29	1.57	31		
5	18	10	1.43	16	13	0.59	32	27	1.59









Contributions

- · conceptualization of treatment gains
- real life change
- · Inclusive outlook

Limitations

- sample
- screening

Future Directions

- · mixed methods
- · effectiveness studies
- train the trainer

Selected References

- Drmic, I. E., Aljunied, M., & Reaven, J. (2017). Feasibility, acceptability and preliminary treatment outcomes in a school-based CBT intervention program for adolescents with ASD and anxiety in Singapore. *Journal of Autism and Developmental Disorders*, 47(12), 3909-3929. doi:10.1007/s10803-016-3007-y
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