

Joseph Lucyshyn Celebrating Learning Week University of British Columbia Sponsored by Center for Interdisciplinary Research and Collaboration in Autism (CIRCA) October 26, 2010 Vancouver, British Columbia







## Potential Contributions to Child and Family Outcomes

- Parent implementation fidelity
- Durable improvements in child behaviour and quality of family life
- Sustainable use of PBS strategies by family members
- Adaptable use across the child and family lifecycle

## **Project Mission**

 Empower families of children with developmental disabilities and problem behaviour to transform coercive parentchild interaction in problematic family routines into constructive parent-child interaction in successful family routines.



























- Bedtime





#### Family Centered Practices (Christenson & Sheridan, 2001) Family Orientation Willingness to orient services to the whole family, rather than just child with a disability Positiveness A philosophy of thinking the best about parents without passing judgment Sensitivity Demonstrating an understanding of the families concerns, needs and priorities Responsiveness

"Doing whatever needs to be done."















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		eα		iisu	ucu	ver	-10
Descriptive S Coercive Pro	statistics (M, cesses and	SD) and V Construct	Vilcoxon Si ive Process	gned Rank es from Ba:	Test for J seline to I	oint Freque Intervention	ncy of (N = 1
	Baseline		Intervention				
Process	м	SD	м	SD	Ts	z	р
Coercive:							
2-steps	135.00	79.51	16.50	19.13	0.0	- 2.80	.005
3-steps	81.50	47.59	11.10	16.75	0.0	- 2.80	.005
4-steps	40.40	18.80	7.45	12.49	0.0	- 2.80	.005
Constructive							
2-steps	94.00	58.54	148.90	104.95	3.83	- 1.63	.103
3-steps	29.8	33.86	67.80	42.63	5.33	- 2.09	.037
4-steps	15.80	19.19	45.9	22.58	2.50	- 2.55	.011

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Table 12				
Means and Star Parenting Stres	ndard Deviation of i s Index (PSI) from	Fathers and Moth Year 1 to Years 5	ers Total Stress Sc -6	ore on the
	Mother (n = 7)		Father (n = 6)	
Year	м	SD	м	SD
1	333.71	24.49	310.33	33.14
2	309.71	34.63	291.17	46.16
3	304.86	26.97	287.83	36.00
3.5-4	292.86	32.57	290.83	42.11
	283.57	34.03	288.17	35.01















- Conditional probabilities of 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> steps in coercive process and in constructive process
  - relative frequency, e.g., (764)
  - conditional probability, e.g., .35
  - statistical significance, e.g., p <.05</li>



























#### Summary

- Statistically significant improvements in child behavior and routine steps completed across 10 families
- 9 of 10 families showed transformation of coercive processes into constructive processes in target family routines
- Statistically significant improvements in parenting stress, family quality of life, and parent locus of control
- 9 of 10 families viewed approach as acceptable and important
- 4 of 10 families evidenced a level of change that may be considered transformational





Cultural views of child disability



### Cautions and Limitations (continued)

 Parenting Stress scores improved but on average still above normative level (i.e., above 85<sup>th</sup> percentile)





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