

3

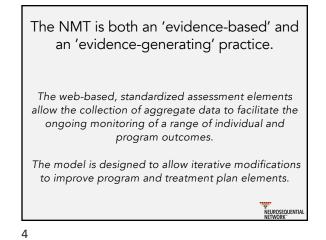
Neurosequential Model Core Slides Selected Outcomes

"You never change things by fighting the existing reality. To change something, build a new model that makes the existing model obsolete."

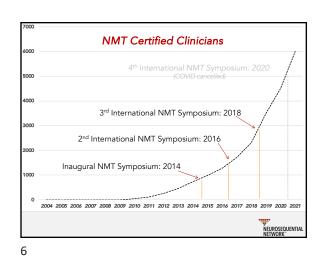
- Buckminster Fuller

NEUROSEQUENTIA

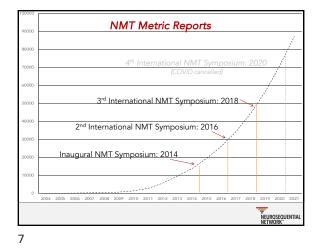
WHAT IS NMT? The Neurosequential Model of Therapeutics is a neuroscience-informed, developmentally-sensitive, approach to the clinical problem solving process. It is not a therapy – and does not specifically imply, endorse or require – any single therapeutic technique or method.



NM is not "On the Shelf" 86% of clinical research is never used in direct patient care (Balas & Boren, 2000) 1 ttakes ~17 years for the 14% of research that does influence practice to get there! (Morris, Wooding & Grant, 2011) MMT was first manualized in 2008 (NMT Certification: 3 level NMC was manualized in 2012 (NMC Certification: 3 level NMC was manualized in 2021 (NMC Certification: 3 level State of the state of the

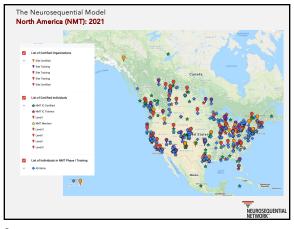


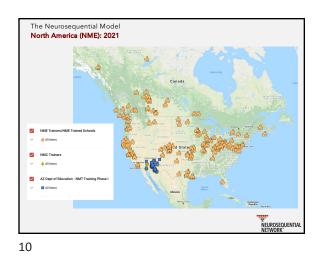


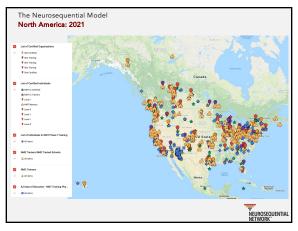




8







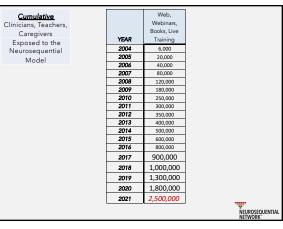


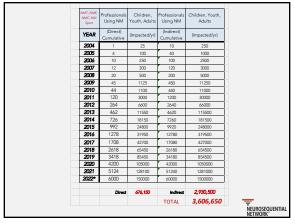




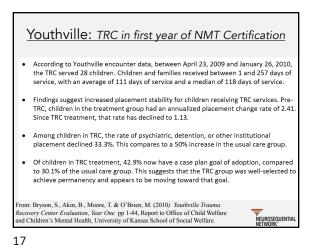








15



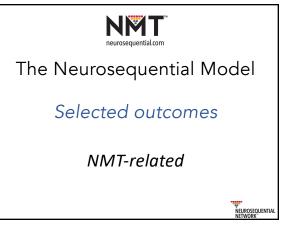
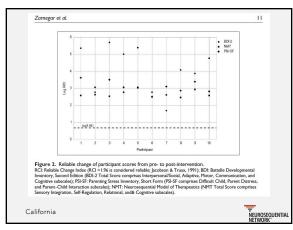






Table 1. Difference in Pre (S	test and Posttest ocial-Emotional			Series PSE	DRI Scores
PSEDRI scores	Pretest mean (SD)	Posttest mean (SD)	t	р	d (effect size)
PSEDRI composite $(n = 13)$	1.79 (.508)	2.98 (.848)	6.16	<.001**	2.34
Emotion regulation	1.88 (.449)	2.86 (.810)	5.4	<.001**	2.18
Helpfulness	2.04 (.824)	3.31 (1.22)	4.4	$<.001^{**}$	1.54
Fair assertiveness	1.92 (.768)	3.87 (.768)	7.5	<.001**	2.54
Impulse modulation	1.73 (.693)	2.64 (1.01)	3.8 5.23	<.001**	1.31 2.17
Cooperation Empathy	1.94 (.584) .94 (.668)	3.21 (1.09) 1.77 (1.14)	3.19	<.001** .003**	1.24
	Time series mean (SD)	Week 1 mean (SD)			
PSEDRI composite $(n = 13)$					
Week 2	1.82 (.288)	1.85 (.430)	346	.73	07
Week 3	1.74 (.318)	1.85 (.430)	-1.39	.168	26
Week 4	2.72 (.799)	1.85 (.430)	6.25	<.001**	2.02
Week 5	2.77 (.670)	1.85 (.430)	7.33	<.001**	2.14
Week 6	3.05 (.753)	1.85 (.430)	9.2	$<.001^{**}$	2.79
p < .01.					

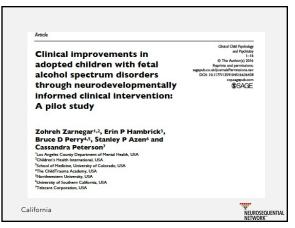
19



21

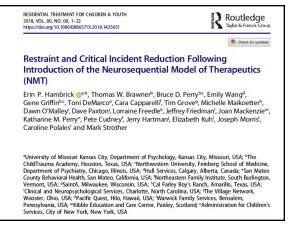




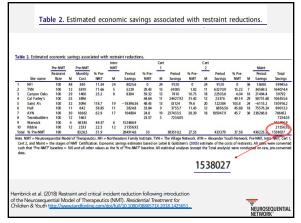


Domain	Pre-mean and 95% CI	Post-mean and 95% CI	Standard error	Standardized test statistic	r	Þ
BDI-2 Total Score	0.205 [0.148, 0.261]	0.518 [0.394, 0.641]	9.80	2.81	.63	.005*
PSI-SF Total Score	23.40 [18.56, 28.24]	45.20 [40.88, 49.52]	9.79	-2.81	63	.005*
NMT Cortical Modulation Ratio	0.205 [0.148, 0.261]	0.518 [0.394, 0.641]	9.80	2.81	.63	.005*
NMT Total Score	23.40 [18.56, 28.24)	45.20 [40.88, 49.52]	9.79	2.81	.64	.005*
Motor, Communicati Difficult Child, Parent (NMT Total Score co	mental Inventory, Second E on, and Cognitive subscales Distress, and Parent–Child mprises Sensory Integration al correlation effect size.	; PSI-SF: Parenting Stress Interaction subscales); N	Inventory, SI MT: Neuros	nort Form (PSI-SF equential Model c	compris f Therap	eutics

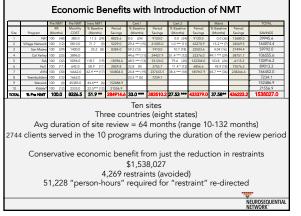


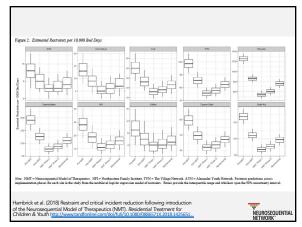




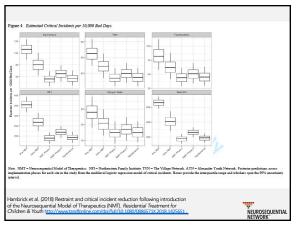




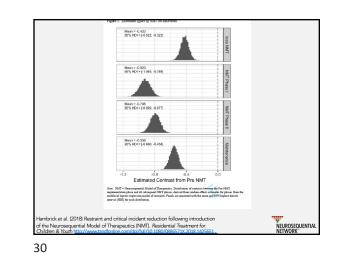


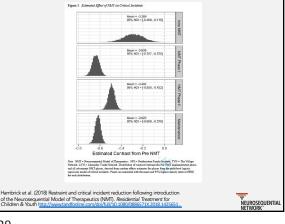
















Is the Neurosequential Model of Therapeutics helpful and feasible for foster carers and their looked after children? Findings from a 6-month pilot study.

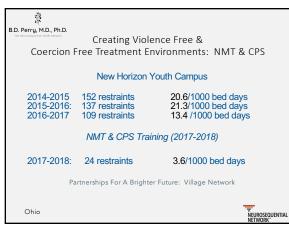
Jill Cossar and Helen Runciman

Conclusion

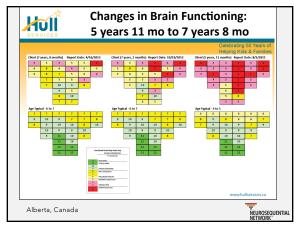
Conclusion This findings of this brief pilot study indicated that an NMT-informed approach to supporting looked after children and their carers was associated with significant, positive changes in aspects of children's behaviour, well-being and development and also their carers' parenting stress. Future research conducted on a larger scale and over a longer time period would be helpful to provide more detailed information about the impacts and the sustainability of the model over time.

Scotland

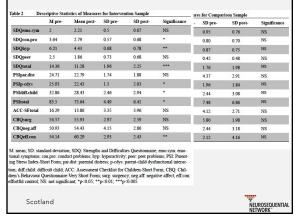
31



33

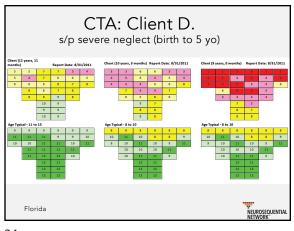


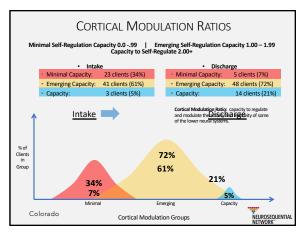
35



32

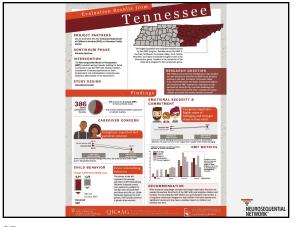
NEUROSEQUENTIAL

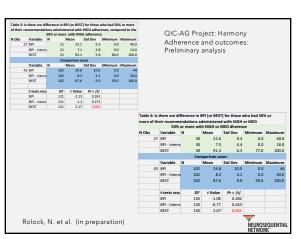


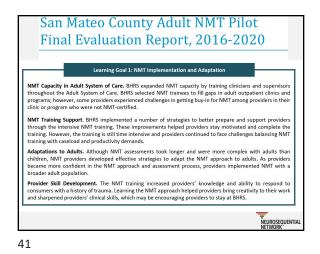


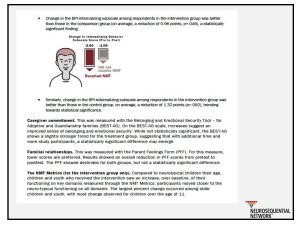


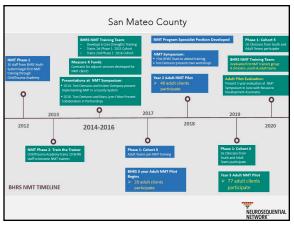


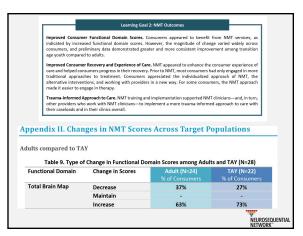




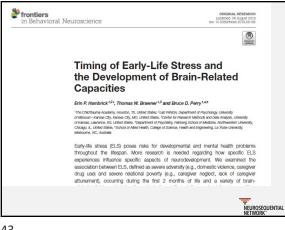




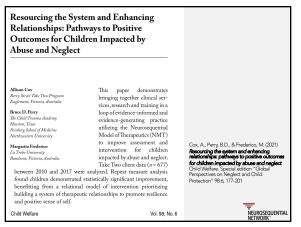


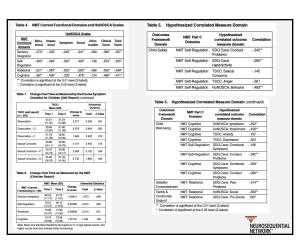


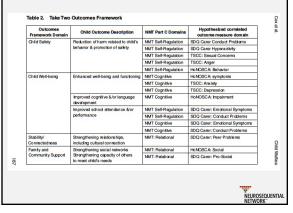














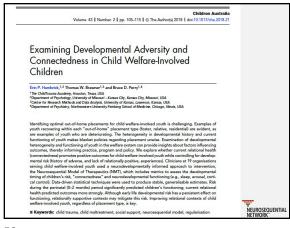




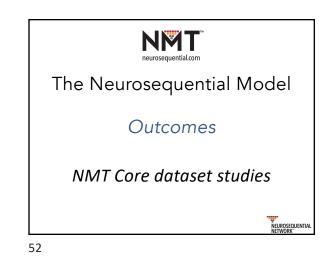


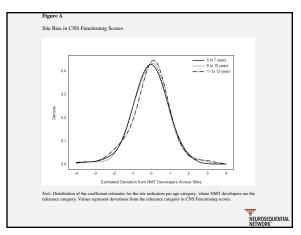
50



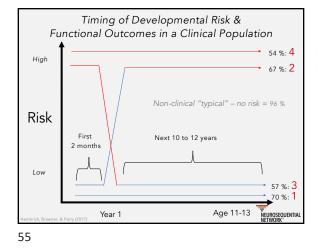


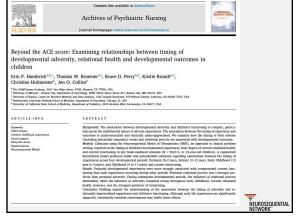




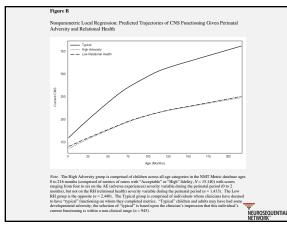




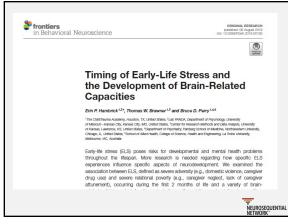




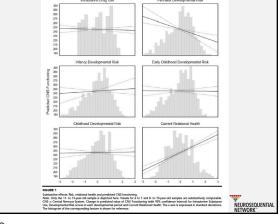
56

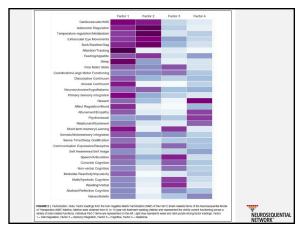


57

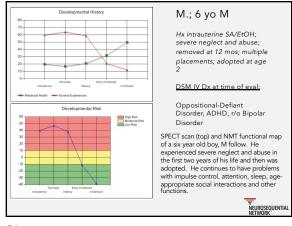


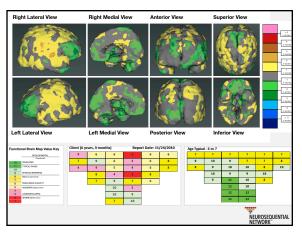


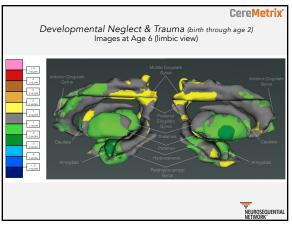


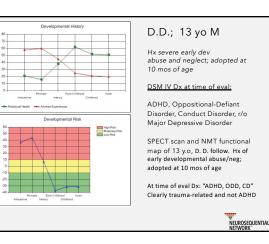


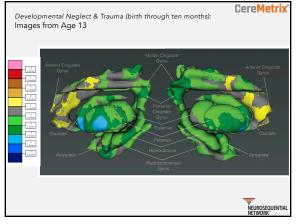


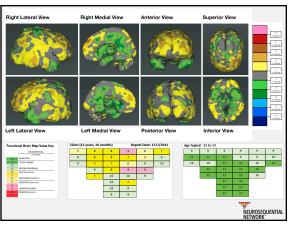




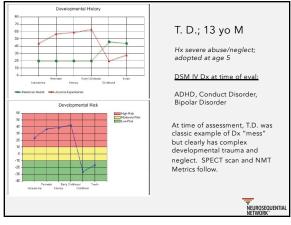




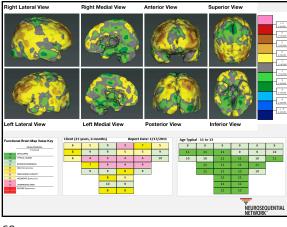




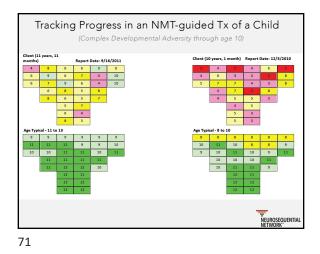


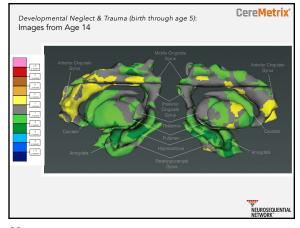




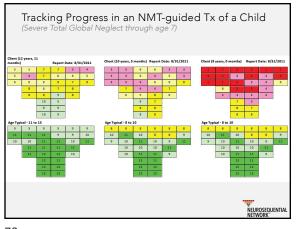


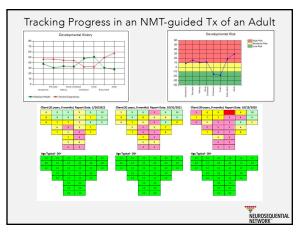
69





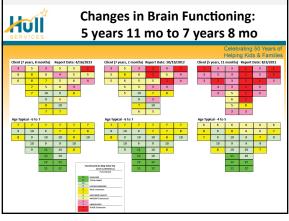
68



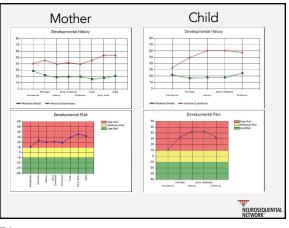


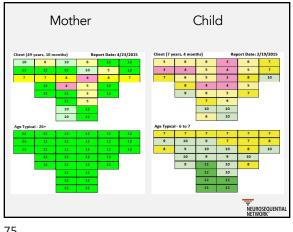




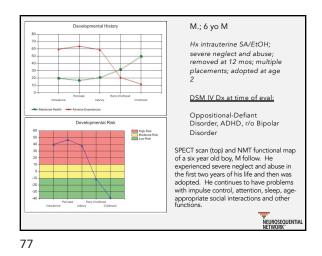


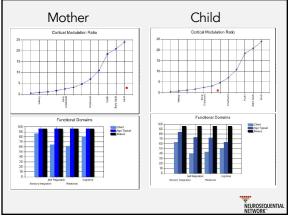


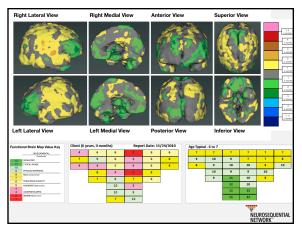




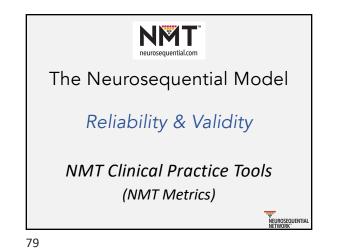
75

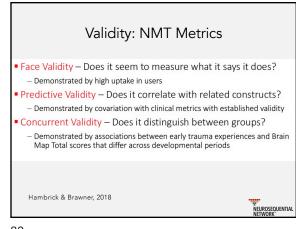






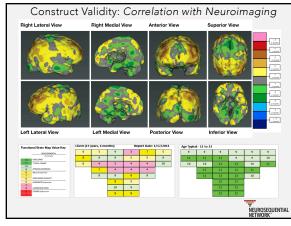




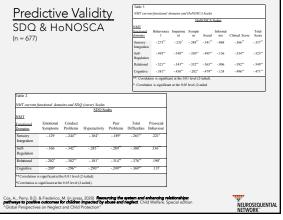


80

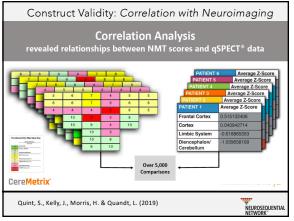
Predictive Validity Zarnegar, Hambrick, Perry, Azen, & Peterson (2016) Battelle Developmental Inventory - 2 Total NMT Brain Map Total Parenting Stress Index Battelle Developmental Inventory - 2 Total Parenting Stress Index Total -.256 .674*** NMT Brain Map Total .377* NMT Cortical Modulation .298 -.442** 629*** Note. N=10. * = p<.10; ** = p<.05; *** = p<.01. Kendal Tau NEUROSEQUENTIAL



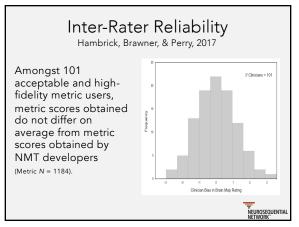


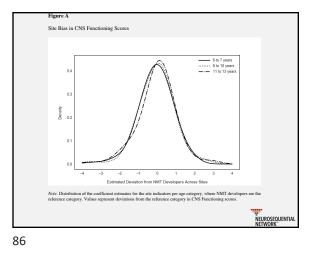


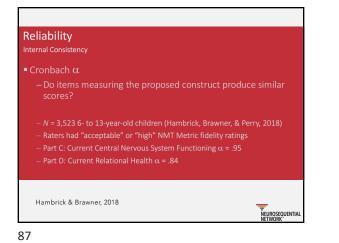


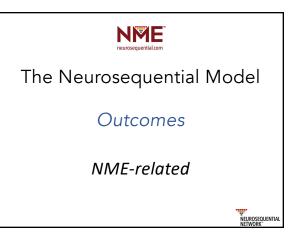


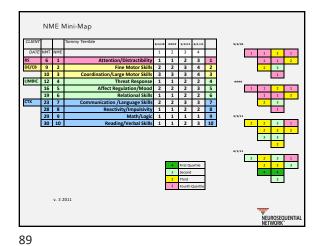


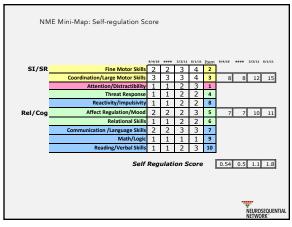




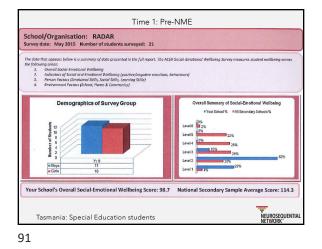


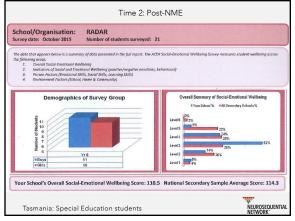


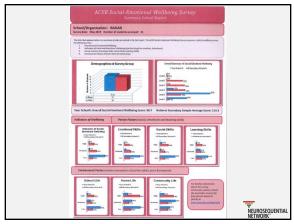


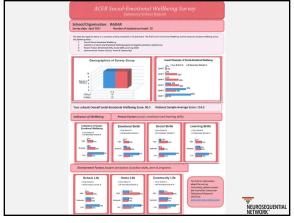




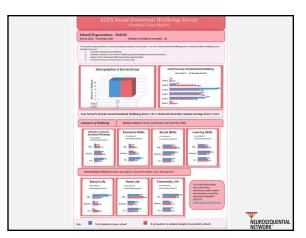




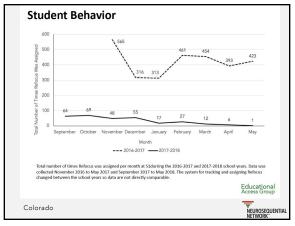


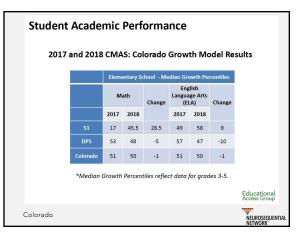






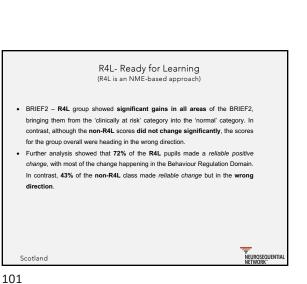




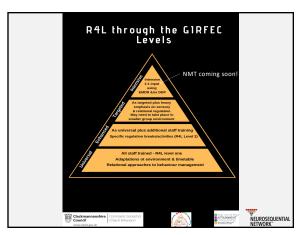


98

99

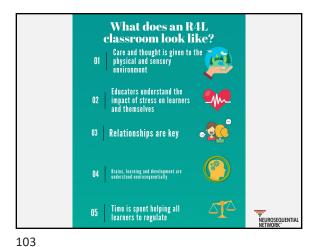






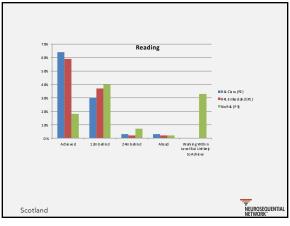




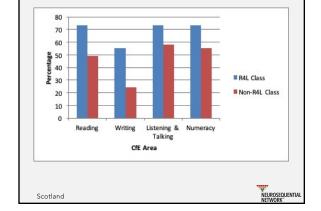


Numeracy 60% 50% 40% 30% R4L Class (P2) 20% 10% 0% R4L Embedded (P1) No R4L (P3) 12m 24m Working Within Level But Unlikely to Listening & Talking 90% 80% 70% 60% 50% 40% 30% 20% 10% R4L Class (P2) R4L Embedded (P1 No R4L (P3) Working Within Level But Unlikely to Achieve 12m behind 24m Scotland NEUROSEQUENTIA

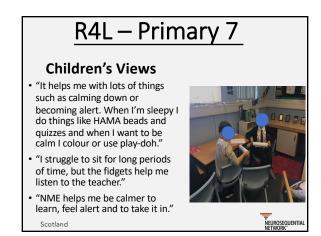
104

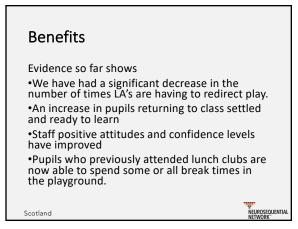


105



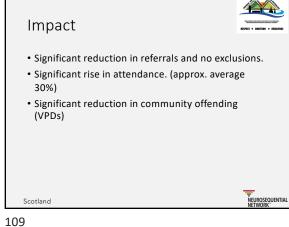






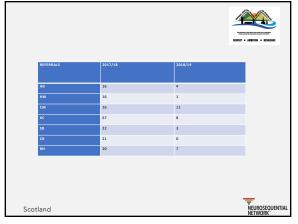






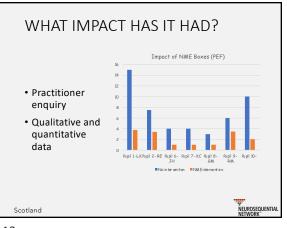


110







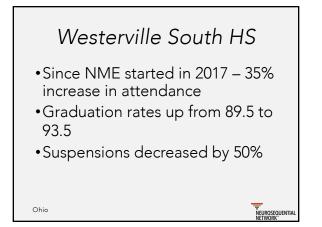








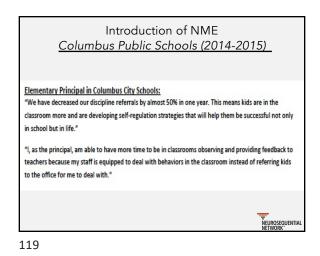
NEUROSEQUENTIAL NETWORK™

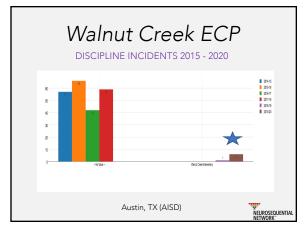


115

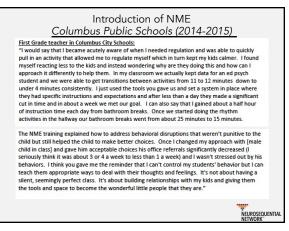
		-	
District	Year	# Office Referrals	# Detention, Suspension o Expulsion
Columbus City- Ohio Ave. ES	2013-14	917	129
Columbus City— Ohio Ave. ES	2014-15	750	83
Columbus Otto University 50	2013-14	2719	1043
Columbus City-Livingston ES	2014-15	1017	811
Graham School	2013-14	Not available	88
Granam School	2014-15	Not available	38
The Charles School	2013-14	Not available	97 (3 expulsion
	2014-15	Not available	90 (0 expulsion

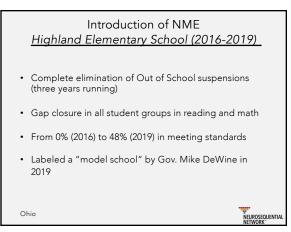
117





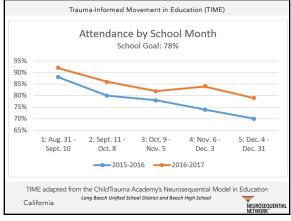
116



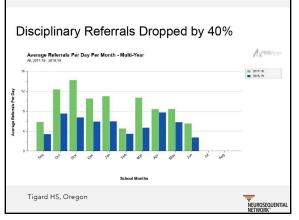




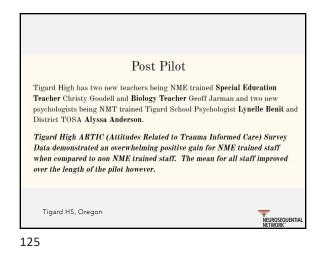


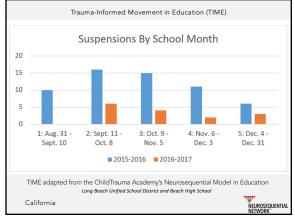


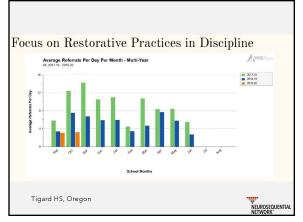
121



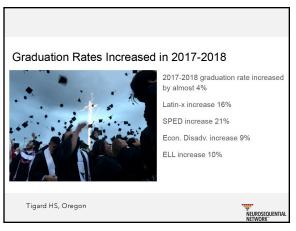
123





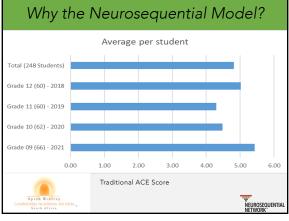


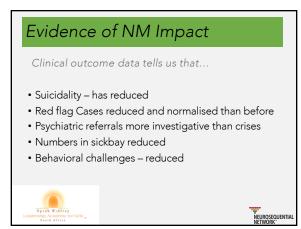




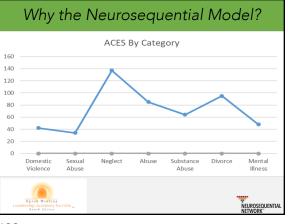


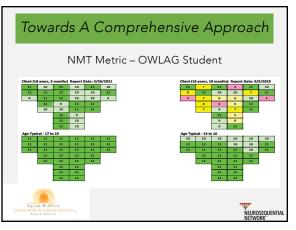


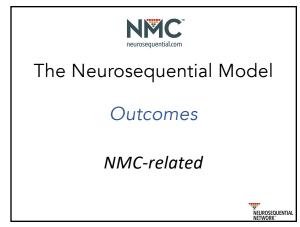




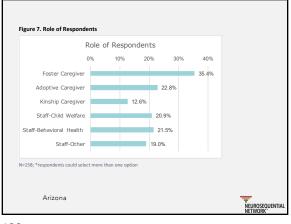




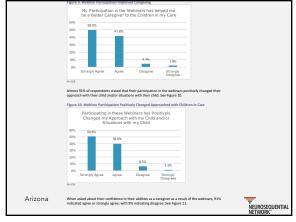




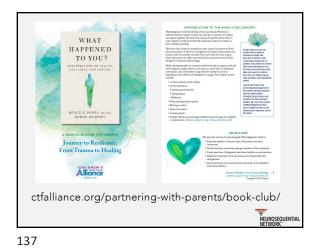


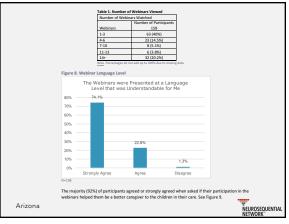


133



135





134

Statement	Viewed 1-3 webinars in Agreement N=86	Viewed More than 6 webinars in Agreement N=46
	N (%)	N (%)
The webinars were presented at a language level that was understandable for me.	78 (91%)	46 (100%)
My participation in the webinars has helped me be a better caregiver to the children in my care.	76 (88%)	44 (96%)
Participating in these webinars has positively changed my approach with my child and/or situations with my child.	78 (91%)	44 (96%)
I feel more confident in my abilities as a caregiver as a result of these webinars.	76 (88%)	42 (91%)
I will use the information presented in the webinars to improve my caregiving skills.	84 (98%)	33 (72%)



