Classroom Context Matters: Observing Dual Language Learners' Self-Regulation Skills Liz Frechette₁, Brooke Rumper₂ & Daryl Greenfield₃ ¹University of Oklahoma, ²Temple University, ³University of Miami

An Office of the Administration for Children & Families











- when the teacher is not interacting with children₉

Participants

- 341 Head Start children from 9 centers
- Mean age: 49.79 months (SD = 6.81 months)
- 48.97% Female
- 100% Spanish-English speaking Dual Language Learners

Subsample for Observation Measure

- 55 Head Start children
- Mean age: 47.96 months (SD = 6.71 months)
- 45.45% Female
- 100% Spanish-English speaking Dual Language Learners

Procedure, Practice, and Measures

Preschool Self-Regulation Assessment (PSRA) 10

Direct assessment designed to assess self-regulation in emotional, attentional, and behavioral domains by using a brief, structured battery of tasks





Tasks of the Preschool Self-Regulation Assessment Task Title

Cool Executive Control	Balance Beam (3 trials)	Ask chi length o reduce s and s
	Pencil Tap (16 trials)	Ask ch assess child sho taps 2x
Hot Executive Control	Gift Wrap	Ask ch asses tiss
Hot Execu	Snack Delay (4 trials)	Ask child a candy three rou

Note. Adapted from Smith-Donald et al. (2007); factor structure from confirmatory factor analyses Basset et al. (2012)

Social Development Lab-Kindergarten Coding System (SDL-K) 11

contexts and quality of self-regulation skills of the target child



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Method

- Assessor Directions/Procedure Scoring Method hild to walk on a short Subtract first trial from mean of of tape for three trials; second and third trials (amount eed for second trial Percentage of trials correct or. assessor taps 1x uld tap 2x: assesso
 - child should tap 1x. hild not to peek while
 - essor wraps a toy in sue/and bag for 1
 - - touch cup or timer to

Latency to first peek

verage of four trials on the

Observation includes two 10-minute blocks where observers record frequency of

Aim 1: Examine a skills.
Balance Beam
Pencil Tap
Gift Wrap Snack Delay
χ²(12, <i>N</i> = 341) = 23. ⁺not significant. * <i>p</i> <0.05.
Aim 2: Investigate regulation skills.
Table 1. Type
Group Size Mo Age Gender Dominant Lang Group Size
Focus of Instru Age Gender Dominant Lan <u>g</u> Focus of Instru
<u>Teacher Proxir</u> Age Gender Dominant Lan <u>Teacher Proxir</u>
Table 2. LeastGroup CompaWhole GroupAcademic - PAcademic InstPlay-like InstrTeacher Prese
 Lack of a signific self-regulation m
 Differences in overall self-re Contextual dif versus no internation
 The influence classroom) The contexts of t children's behavi
 Small group so manage childr Teachers may instructional content of the second sec
focus of learni







Results

multi-method measurement of DLL children's self-regulation



.923, *p* < .05, RMSEA estimate = 0.054, 95% CI [0.020, 0.085]; CFI = 0.954, SRMR = 0.065 *p<0.01.

the impact the classroom context has on the use of self-

Model	Sum of Squares	df Effect	df Error	F	р
	0.125	1	51.04	0.227	0.635
	1.066	1	50.86	1.928	0.171
Language	0.886	1	50.8	1.604	0.211
	10.415	1	1084	18.848	<.001
struction Model	Sum of Squares	df Effect	df Error	F	р
	0.053	1	50.65	0.101	0.752
	1.028	1	50.43	1.965	0.167
Language	1.308	1	50.15	2.499	0.12
struction	46.031	2	1081.75	43.992	<.001
oximity Model	Sum of Squares	df Effect	df Error	F	р
	0.167	1	50.35	0.301	0.586
	1.497	1	51.25	2.694	0.107
Language	0.789	1	50.26	1.419	0.239
oximity	6.431	1	1083.45	11.578	<.001
east Square Means Table	e for nested ANOVA	<i>s</i>			
	<i>v</i>				

III Analysis of Variance Tables with Satterthwaite's Method

east Square Means Table for nested ANOVAs								
nparison	β	SE	df	t	р			
up - Small Group	-0.307	0.071	1084	-4.341	<.001			
- Play-like Instruction	-0.672	0.075	1082	-8.948	<.001			
Instruction - Transitions	0.199	0.075	1081	2.626	<.01			
nstruction - Transitions	0.474	0.071	1081	6.653	<.001			
esent - Teacher Not Present	0.243	0.071	1083	3.401	<.001			

Discussion

cant relation between direct assessment and observation of nay be due to:

the rating of self-regulation skills (i.e., HEC and CEC versus gulation)

fferences in the measures (i.e., structured set of prompts entional behavioral demands)

of other environmental variables (i.e., quiet room versus a

the classroom may be a point of leverage for influencing

ettings may give teachers more opportunities to reinforce and ren's behaviors

have more opportunities to elaborate on learning in play-like ontexts and children may have more autonomy over their

 Understanding of the impact of the classroom context on DLL children's selfregulation skills contributes to the goal of early education programs to identify how to improve the educational experiences of DLL children