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Introduction		Metho	
 The preschool years are a critical time for children to deve reading and mathematics skills (Serpell et al., 2005; Sonner 		Variable	
 et al., 2014). Research shows the association between what ages on at he 	et al., 2014). Research shows the association between what goes on at home and children's reading and math development; however, the relation is stronger for reading (Blevins-Knabe,		
and math development; however, the relation is stronger fo			
 2016). Research has shown the importance of considering social-affective factors to understand the impact of parents' socialization. Thus, we know that parents' anxiety is negatively associated with children's math skills (Maloney et al., 2015). However, we know little about how confident parents feel to assist with their young children's mathematical development nor what information they would like to receive from their children's teachers. Documenting parents' confidence is consistent with Hoover-Dempsey et al.'s (2005) theory about why parents become involved in their children's education. 		25,000 - 49,000	
		50,000 - 74,000	
		75,000 - 99,000	
		100,000 - 124,000	
		125,000+	
		Child Gender (% female)	
		Child Age (years)	
1. How confident do parents of preschoolers feel to assist their children with math and reading and does their confidence differ across domains?		Type of School Child Attends (%)	
2. What information would they like to receive from their ch		Head Start or Judy Center	
		Public Pre-K	
Method		Private Pre-K	
Table 1. Demographic Characteristics of the Sample	(N = 105)	Home or informal care	
Variable	M(SD) or %	Other	
Parent Age (years)	36.87 (4.46)	Measures and Procedures	
Relation to Child (%)		Parents completed an anonymous, online Q	
Mother	94	about parent's demographic background, a and teacher, child's engagement in reading	
Father	5	confidence to engage in reading and mathe	
Aunt	1	for sample questions). We focus here on q reading/math and what parents wanted fr	
		reduing/marn and what parents warred fr	
Race / Ethnicity (%)		Table 2: Sample Questions	
Asian	2	Sample Questions	
African American/ Black	3	How confident are you that you know what to do child's learning in [reading/math]?	
Latino/a/x	4		
White	92	What would you like to receive more of from yo help your child's [reading/math]?	
Other	4	 Books Notes or updates on progress 	
Highest Educational Degree (%)		 Instructions for reading/math activities to Music or songs 	
HS/GED	2	 Informational newsletters or pamphlets Toys or games 	
Some college or Vocational/technical/AA	6	 Reading/math worksheets/homework Recs for apps, websites, or video games 	
BA/BS	30	 Links to websites about reading/math 	
		Presented at HME Virtua	

PARENTS' CONFIDENCE FOR FOSTERING THEIR PRESCHOOL CHILDREN'S MATH DEVELOPMENT MICHELE STITES, ED.D. AND SUSAN SONNENSCHEIN, PH.D.

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY

, Cont.				
	M(SD) or %			
	2			
	1			
	7			
	13			
	17			
	58			
	40			
	4.98 (0.85)			
	2			
	13			
	75			
	1			
	9			

Qualtrics survey consisting of 38 questions: amount, and type of contact with the school ng and mathematics activities, parent's hematics activities with the child (see Table 2 questions about confidence in assisting with from teachers.

	Scale
to support your	Likert (1-5)
r child's teacher to	Select up to 3
do at home	

65% were confident/very confident Reading 56% were confident very/confident math

t(125) = 4.45, p < .001

teachers?

Items

Books

Informational news Instructions for ac Links to websites al Music or songs Notes or updates o Recommendations Toys or games

Worksheets / home Other

Note. Participants se

- children's reading skills.
- engaging for the children.

RESULTS

How confident do parents of preschoolers feel to assist their children with math and reading and does their confidence differ across domains?

What information would they like to receive from their children's

Table 3: Information, Materials, and Activities Parents Would Like to Receive More of to Support Learning at Home

	Reading (%) (n = 81)	Math (%) (n = 127)
	22	17
sletters or pamphlets	7	6
ctivities to do at home	51	42
about reading or math	12	8
	20	22
on progress	53	35
for apps, websites, or video games	41	19
	43	45
nework	24	28
	4	2
selected up to 3 choices from list		

Conclusions

• Children in the U.S. score lower than those in other countries on various measures of mathematics(e.g., Blevins-Knabe, 2016; National Mathematics Advisory Panel, 2008, Sonnenschein & Dowling, 2019). To narrow or close these differences, something we should be striving to do, young children must engage in more mathematics activities at home so that they start school with stronger mathematics skills.

 Although parents may think that reading is more important than mathematics, the difference in children's reported engagement in such activities may come from parents lacking confidence in how to foster their children's mathematics skills. Twenty percent of the highly educated parents in this study reported lacking confidence about how to facilitate their children's mathematics learning. Another 25% were only moderately confident. This was more than the percentage that lacked confidence in fostering their

 Parents generally wanted two main sources of information from their children's teachers. (1) More progress notes to inform them of how well their children were doing. (2) Activities and apps that they could do with their children at home that were fun and