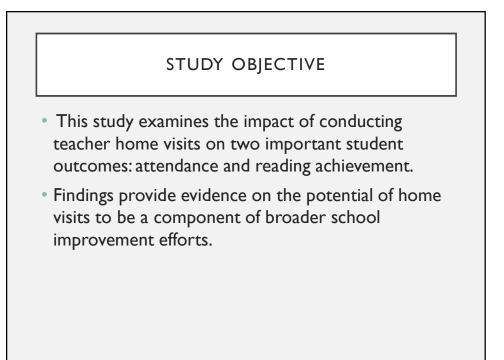
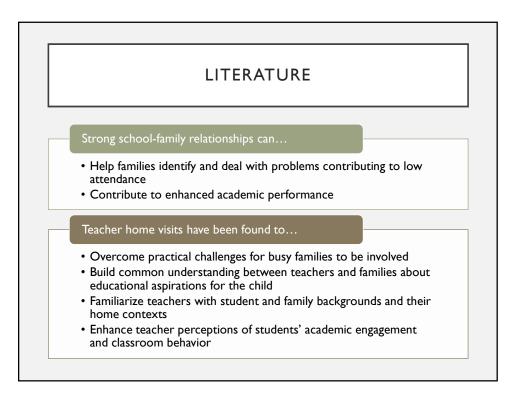
THE IMPACT OF HOME VISITS AS A FAMILY ENGAGEMENT STRATEGY IN URBAN SCHOOLS

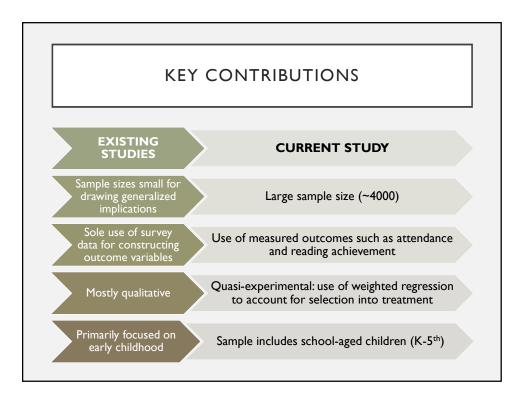
Sol Bee Jung

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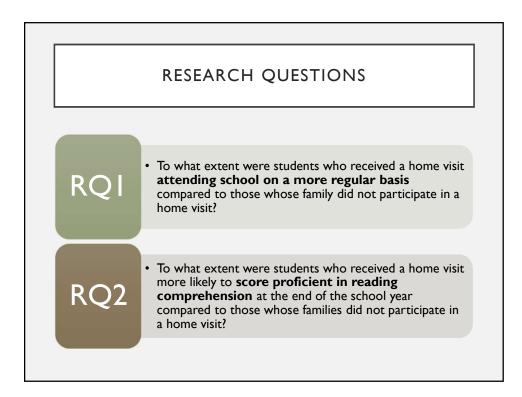






THE INTERVENTION

- <u>Relational</u> teacher home visits
 - Aimed strictly at building <u>personal</u> ties to create trust and mutual respect between teachers & families for constructive, academics-focused partnerships throughout the year
- Teachers were strongly urged to conduct home visits with all their families, but they were NOT mandatory.
 - In current sample, 52.49% received a home visit



DATA

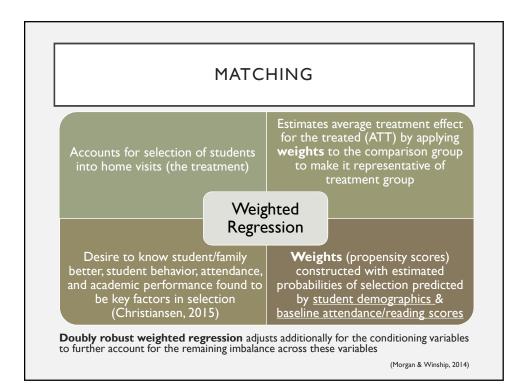
- 12 intervention schools
 - Part of a large urban district
 - Elementary/K-8
- Data from two consecutive school years 2012-13 and 2013-14
 - Student-level demographic information (grade, race, ELL, FRL, IEP), reading comprehension test scores, and attendance
 - Data on which students received home visits

SAMPLE					
Sample size	Variable	N	Mean		
•	Race				
 Attendance analysis: 	Black	4704	0.62		
4664 students	Hispanic Other	4704	0.31		
	FARM eligible	4704	0.03		
 Reading 	Special education	4704 4704	0.93		
comprehension	Limited English Proficient	4704	0.18		
	Grade level (reference = Pre-elementary)	4/04	0.20		
analysis: 3713 students	Primary	4704	0.41		
	Upper	4704	0.22		
	Attendance rate	4664	0.92		
	Proficiency in reading comprehension	3713	0.68		
	Baseline attendance rate	3133	0.93		
	Baseline proficiency in reading comprehension	3713	0.57		

MISSING DATA

Missing data

- Missing baseline data for students due to the high student mobility
 - Data missing by an "ignorable" mechanism and not on account of the values of the missing observations (Rubin, 1987)
- Multiple imputations by chained equations in Stata 13 implemented to impute missing data (20 iterations)
- All imputed data sets pooled in analysis to further account for uncertainty (Rubin, 2004)



BALANCE ACROSS KEY VARIABLES THAT DEFINED SELECTION INTO TREATMENT

Summary of weighted descriptive statistics, averaged across 20 multiply-imputed data sets, illustrating balance across selection variables between students whose families received a home visit from teachers or school staff (treated) and students whose families did not (control)

Variable	Mean (Treated)	Mean (Control)	Diff (T-C)	%bias	
D	(Treated)	(Control)	(1-0)		
Race					
Black	0.58	0.58	0.00	-0.47	
Hispanic	0.33	0.33	0.00	-0.36	
Other	0.04	0.04	0.00	1.06	
FARM eligible	0.94	0.94	0.00	-0.84	
Special education	0.17	0.17	0.00	-0.43	
Limited English Proficient	0.26	0.26	0.00	0.63	
Grade level (reference = Pre-elementary)					
Primary	0.43	0.43	0.00	-0.29	
Upper	0.17	0.17	0.00	0.51	
Baseline attendance rate	0.86	0.86	0.00	-2.68	
Baseline proficiency in reading comprehension	0.53	0.54	-0.01	-1.97	

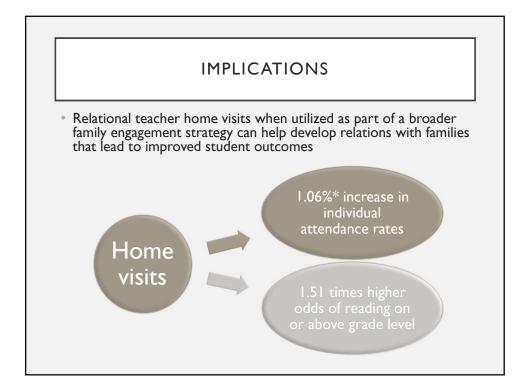
STUDY FINDINGS

ATTENDANCE OUTCOMES

Summary of weighted regression analysis of squared attendance rates (SY 2013-14)–results pooled across 20 sets of multiple-imputed data (N=4664)

Home visit participant	(0.02**)	0.01	4.12	0.003
Race	\smile			
Black	-0.03	0.02	-1.47	0.176
Hispanic	-0.00	0.02	-0.15	0.885
Other	0.00	0.02	0.04	0.970
FARM eligible	-0.03+	0.01	-2.22	0.055
Special education	-0.01	0.01	-0.58	0.575
Limited English Proficient	0.03**	0.01	4.22	0.003
Grade level (reference = Pre-elementary)				
Primary	0.03**	0.01	5.45	< 0.00
Upper	0.03**	0.01	4.73	0.001
Baseline attendance rate	0.38***	0.03	11.10	< 0.00
Baseline proficiency in reading comprehension	0.01	0.01	0.83	0.434
Constant	0.55***	0.03	16.74	<0.001

READING PROFI	CIENC	ΥO	UTC	OM	ES
Results from logistic regression analysis of p					
reported in odds ratios–results pooled acros	s 20 sets of mu	ltiple-im	puted dat	a (N = 3 / .)	13)
Variable	ß	OR	SE	t	p
		3 8		8	, 1 ,
Home visit participant	(0.41**)	1.51	0.14	3.04	0.002
Race	\smile				
Black	-0.16	0.86	0.49	-0.30	0.761
Hispanic	0.18	1.20	0.44	0.41	0.679
Other	0.18	1.21	0.65	0.29	0.772
FARM eligible	0.23	1.26	0.40	0.59	0.557
Special education	-0.91***	0.40	0.19	-4.78	< 0.001
Limited English Proficient	-0.75***	0.49	0.20	-3.69	< 0.001
Grade level (reference = Pre-elementary)					
Primary	0.83*	2.29	0.33	2.49	0.013
Upper	0.78*	2.18	0.31	2.47	0.013
Baseline attendance rate	0.48	1.66	0.45	1.11	0.266
Baseline proficiency in reading comp.	2.65***	14.11	0.33	8.13	< 0.001
Constant	-1.51	0.21	0.86	-1.79	0.073





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THANK YOU FOR LISTENING!

If you have any further questions, please email us!

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