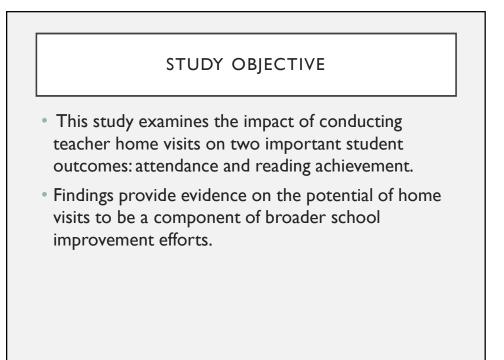
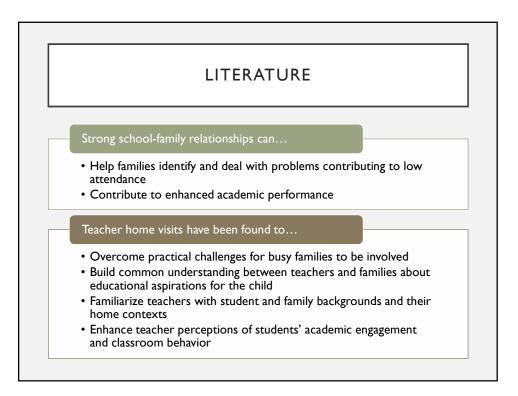
THE IMPACT OF HOME VISITS AS A FAMILY ENGAGEMENT STRATEGY IN URBAN SCHOOLS

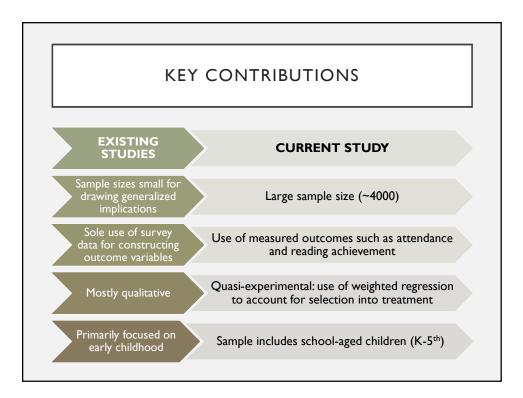
Sol Bee Jung

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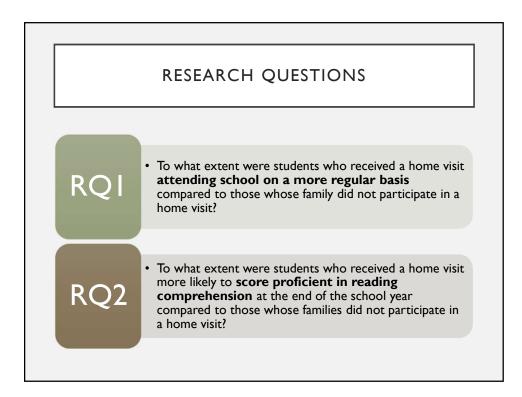






THE INTERVENTION

- <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

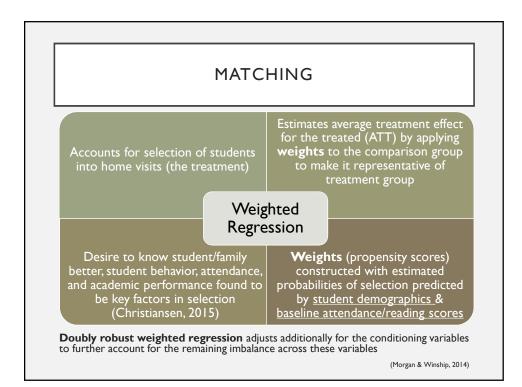
- 12 intervention schools
 - Part of a large urban district
 - Elementary/K-8
- Data from two consecutive school years 2012-13 and 2013-14
 - Student-level demographic information (grade, race, ELL, FRL, IEP), reading comprehension test scores, and attendance
 - Data on which students received home visits

| 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 | |

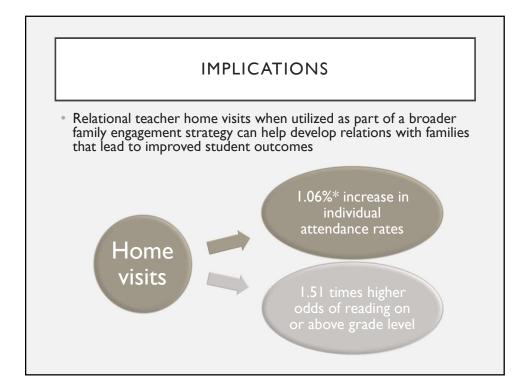
STUDY FINDINGS

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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