

Children's Mercy Kansas City

SHARE @ Children's Mercy

Research Days

GME Research Days 2023

May 9th, 11:30 AM - 1:30 PM

Understanding Home Visitor Attendance at Well Child Checks: A Mixed Methods Study

Rachel Segal

Children's Mercy Kansas City

Sommer Rose

Children's Mercy Kansas City

Marcia Dutcher

Tyler Myroniuk

Mary Moffatt

Children's Mercy Hospital

See next page for additional authors

Let us know how access to this publication benefits you

Follow this and additional works at: <https://scholarlyexchange.childrensmercy.org/researchdays>



Part of the [Community Health and Preventive Medicine Commons](#), [Maternal and Child Health Commons](#), [Medical Education Commons](#), [Pediatrics Commons](#), and the [Primary Care Commons](#)

Segal, Rachel; Rose, Sommer; Dutcher, Marcia; Myroniuk, Tyler; Moffatt, Mary; and Anderst, James, "Understanding Home Visitor Attendance at Well Child Checks: A Mixed Methods Study" (2023). *Research Days*. 4.

https://scholarlyexchange.childrensmercy.org/researchdays/GME_Research_Days_2023/ResearchDay2/4

This Abstract is brought to you for free and open access by the Conferences and Events at SHARE @ Children's Mercy. It has been accepted for inclusion in Research Days by an authorized administrator of SHARE @ Children's Mercy. For more information, please contact hlsteel@cmh.edu.

Submitting/Presenting Author

Rachel Segal, Sommer Rose, Marcia Dutcher, Tyler Myroniuk, Mary Moffatt, and James Anderst

Understanding Home Visitor Attendance at Well Child Checks: A Mixed Methods Study

Rachel Segal, MD^a; Sommer Rose, MS^a; Marcia Dutcher, MS^b; Tyler Myroniuk, PhD^b; Mary Moffatt, MD^a; James Anderst, MD MS^a

^aChildren's Mercy Hospital Kansas City, ^bUniversity of Missouri

Background & Objectives

- Early childhood home visiting programs have variable outcomes on child health
- Attendance of a home visitor (HV) at medical provider well child checks (WCCs) may more strongly link home visiting and the medical home
- Objectives: **Quantitatively** evaluate effects of the practice on (1) family compliance with American Academy of Pediatrics (AAP) WCC recommendations and (2) acute care visits and **qualitatively** explore perspectives of HVs attending WCCs

Methods

- Mixed methods design
- **Quantitative:** Retrospective cohort study using a multi-model home visiting database of participants between 5/01/2016 - 5/31/2019
- **Intervention group:** Home visiting participants who experienced HV attendance at WCCs
- **Control group:** Routine home visiting services only
- **Qualitative:** Semi-structured interviews and focus groups with 10 home visitors, 9 medical providers, and 9 parents

Results – Quantitative

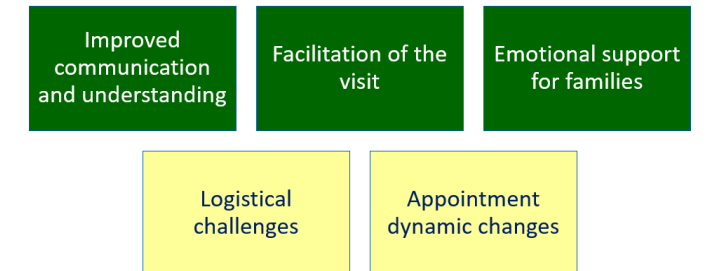
Table 1. Predictor vs. Outcome Variables – Association between Attendance of the Home Visitor at WCC and Outcomes by Frequency of the Intervention

Outcome	Control Group (n=400)	Intervention Group Any Frequency (n=361)	Control vs Total Intervention Group p or OR	Intervention 1-2 HV WCC (n=206)	Controls vs Intervention with 1-2 HV WCCs p or OR	Intervention 3-5 HV WCC (n=128)	Controls vs Intervention with 3-5 HV WCCs p or OR	Intervention 6-12 HV WCC (n=27)	Controls vs Intervention with 6-12 HV WCCs p or OR
Children with ED/UC Visits	80/400 (20%)	91/361 (25%)	p=.086, OR=.742 [1.527,1.043]	48/206 (23%)	p=.346, OR=.823 [.549,1.234]	32/128 (25%)	p=.228, OR=.750 [.469,1.199]	11/27 (41%)	p=.011, OR=.364 [.162,.814]
Children with Injury Related ED/UC Visits	14/400 (4%)	20/361 (6%)	p=.174, OR=.618 [1.308,1.243]	15/206 (7%)	p=.039, OR=.462 [.218,.976]	4/128 (3%)	p=1.000*, OR=1.124 [.363,3.479]	1/27 (4%)	p=1.000, OR=.943 [.119,7.453]
WCC Family Completed/Possible Well Checks	929/1360 (68%)	1542/2063 (75%)	p<.001	644/962 (67%)	p<.001	687/861 (80%)	p<.001	211/240 (88%)	p<.001

NOTE: ED = Emergency Department, UC = Urgent Care, WCC = Well Child Check

- Any dosage of HV attendance at WCCs led to increased child attendance of WCCs (p < 0.001)
 - Association persisted regardless of total number of home visits experienced by the family (p < 0.001)
- No consistent associations between HV attendance at WCCs with acute care visits

Results – Qualitative



- Parent: “... it's just it helps me. All the way around from when you know going to a visit. More hands and just more encouragement.. I really believe that I probably would have missed more appointments. Just having her there and just being able to have the cheat sheet where we already, you know talked about things and things to talk about with the doctor. It's just very helpful.”

Conclusions

- Home visitor participation in WCCs increased familial compliance with the recommended WCC schedule
- Participants identified multiple benefits of home visitors attending WCCs

