

Otterbein University

Digital Commons @ Otterbein

---

Masters Theses/Capstone Projects

Student Research & Creative Work

---

Spring 5-2020

## From Prenatal Through Childhood: What Infant Wellness is All About at Nationwide Children's Hospital

Sarah Gilbert

Follow this and additional works at: [https://digitalcommons.otterbein.edu/stu\\_master](https://digitalcommons.otterbein.edu/stu_master)



Part of the [Higher Education Commons](#), [Maternal, Child Health and Neonatal Nursing Commons](#), and the [Pediatric Nursing Commons](#)

---

## Goals of Practicum

1. Gain experience working in a population health setting
2. Collaborate on infant wellness projects
3. Gain exposure to research projects involving infant mortality
4. Connect with individuals in the field of Public Health
5. Advance leadership skills

## Home Visiting

- 14 home visiting programs in Franklin County
- 2,038 families received home visiting services in 2019
- Average of 8 home visits per family
- **Expansion plans:** providing OB providers with results, lengthening programs until the child turns 5, transitional resources when completing



## Research Study

### Measuring Perceptions of Family Centered Care Among Prenatal Clinic Patients

- **Objective:** to measure perceptions of FCC among expectant mothers in Columbus while assessing potential racial differences in order to improve prenatal outcomes
- **Methods:** surveys were distributed to pregnant women at 10 clinics providing prenatal care in Columbus and sleep sacks were provided to women who completed the survey
- **Results:** collected a total of 401 surveys from August 2019 – January 2020

Table 1. Sample Demographics

	% (N)
<b>Race (n=385)</b>	
White	27.3% (105)
Non-White	72.7% (280)
<b>Education Level (n=383)</b>	
HS Diploma or Less	61.4% (235)
Some College/College Diploma	35.3% (135)
Graduate Training	3.4% (13)
<b>Insurance Type (n=374)</b>	
Private	6.7% (25)
Medicaid/Medicare/Other Gov't	69.3% (259)
Self-Pay/None	11.0% (41)
Other	13.1% (49)
<b>Health Literacy (n=378)</b>	
Adequate	74.3% (281)
Not Adequate	25.7% (97)
<b>Age (n=384)</b>	
18-25	39.8% (153)
26-32	41.1% (158)
33+	19.0% (73)
<b>Previously Pregnant (n=376)</b>	
Yes	80.6% (303)
No	19.4% (73)
$\bar{x}$ (sd)	
<b>Gestational Age (n=349)</b>	27.3 (9.0)

Table 3. Components of FCC by Race

	Total % (N)	White % (N)	Non-White % (N)	p-value
<b>Spend enough time (n=393)</b>				0.27
Yes	89.6% (352)	92.4% (97)	88.5% (255)	
No	10.4% (41)	7.6% (8)	11.5% (33)	
<b>Listen carefully (n=393)</b>				0.09
Yes	94.7% (372)	91.4% (96)	95.8% (276)	
No	5.3% (21)	8.6% (9)	4.2% (12)	
<b>Sensitive to values (n=392)</b>				0.44
Yes	92.6% (363)	94.3% (99)	92.0% (264)	
No	7.4% (29)	5.7% (6)	8.0% (23)	
<b>Give enough information (n=391)</b>				0.13
Yes	93.6% (366)	90.5% (95)	94.8% (271)	
No	6.4% (25)	9.5% (10)	5.2% (15)	
<b>Feel like a partner (n=391)</b>				0.49
Yes	88.5% (346)	86.7% (91)	89.2% (255)	
No	11.5% (45)	13.3% (14)	10.8% (31)	

- **Conclusion:** one in five women report not receiving FCC during their prenatal appointments, however there was no racial difference for FCC

## Ohio Better Birth Outcomes

- Collaborative that is dedicated to reducing the infant mortality rate in Franklin County
- OBBO consists of Nationwide Children's Hospital, The Ohio State Wexner Medical Center, Ohio Health, Mt. Carmel, Columbus Public Health, and PrimaryOne Health
- **2020 Priority Goals:** home visiting referrals and enrollment expansion, more women receiving postpartum LARC, provide teen LARC to decrease teen births, increase progesterone usage to decrease prematurity



## Goal Achievements

1. Experienced public health work within the hospital setting
2. Worked with infant wellness team on multiple initiatives
3. Collected data for prenatal research study
4. Met individuals from many different public health sectors
5. Observed healthcare leaders in their roles

## Transitional NAS Care

- **NAS = Neonatal Absitence Syndrome**
- Developing a facility for babies diagnosed with NAS that mother and baby can stay at together during treatment to improve outcomes
- Partnering with Maryhaven
- Babies typically go to NICU → goal of this facility is to reduce costs
- Length of stay for mother and baby is estimated to be around 2 weeks
- Ohio Dept. of Medicaid is pursuing initiative