

# FACTS Medical School Elective: Transforming Medical Students' Perceptions of the Effectiveness of FABMs

Sarah Makarewicz, BSc; Alexa Frattini, BSc; Logan Waechtler, MPA, MPH;  
Michael Padilla, DO; Marguerite Duane, MD, MHA, MSPH, FAAFP

IIRRM International Congress  
Vancouver, BC, Canada  
August 9-10, 2024



**FACTS**  
About Fertility

# Introduction

## An Evaluation of US Medical Schools' Reproductive Health and Family Planning Curricula

Marguerite Duane <sup>1</sup>, Grace Carson <sup>2</sup>, Kaitlin VanderKolk <sup>3</sup>, Erin Adams <sup>4</sup>, Lauren Gordon <sup>5</sup>

*Duane M, Carson G, VanderKolk K, Adams E, Gordon L. An Evaluation of US Medical Schools' Reproductive Health and Family Planning Curricula. Issues Law Med. 2022 Fall;37(2):117-128. PMID: 36629762*



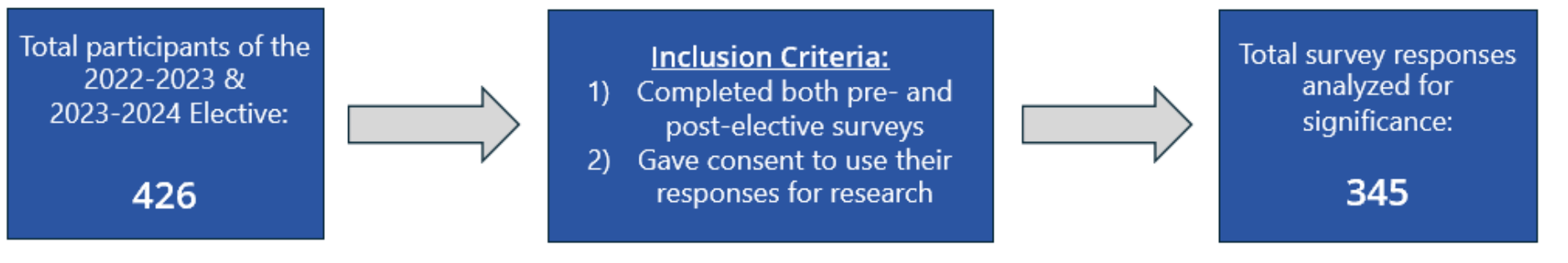
*Taken from: FACTS - Fertility Appreciation Collaborative to Teach the Science. (2024, May 26). Enroll in our elective - FACTS About Fertility. <https://www.factsaboutfertility.org/learn-more/enroll-in-our-elective/>*

## Objective

By participating in the FACTS Elective, students are:

- 1) More likely to perceive FABMs to be effective for avoiding & achieving pregnancy
- 2) More likely to pursue additional Training in FABMs

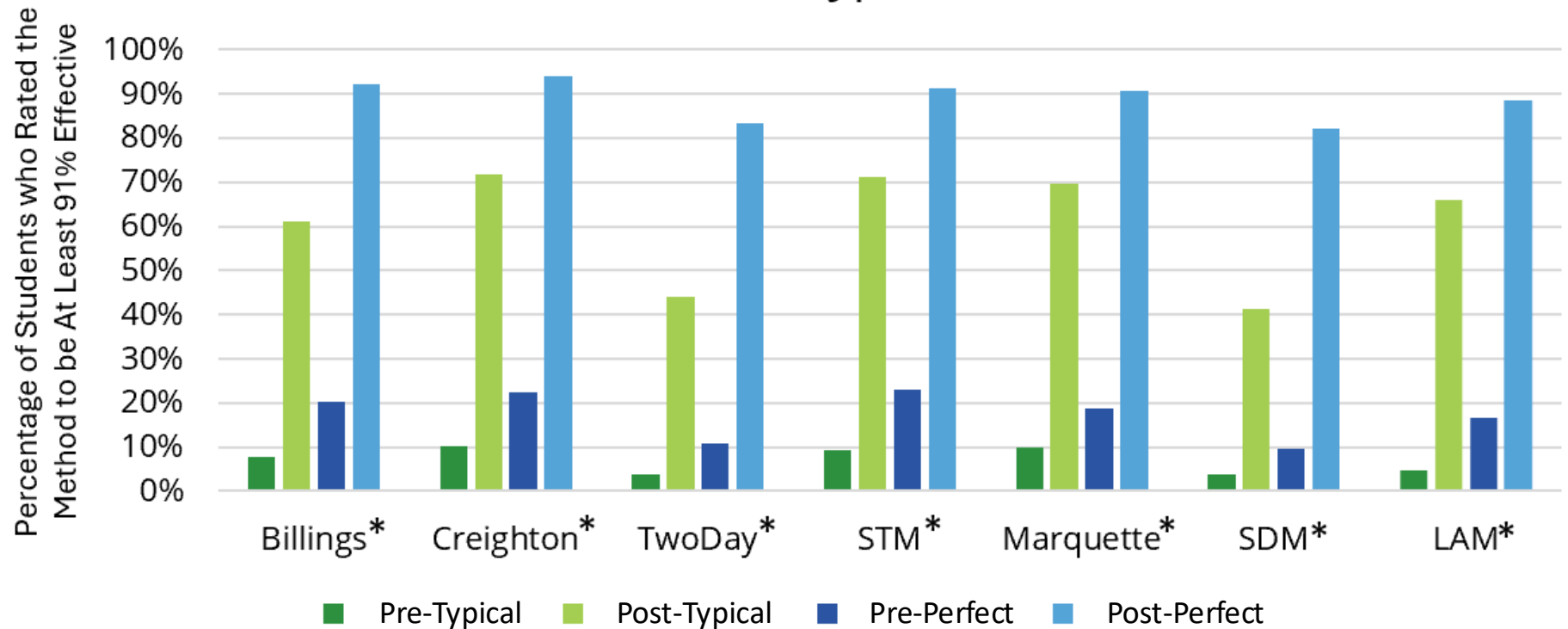
# Methods



# Results

## Student Perception of Effectiveness for Select FABMs: Perfect- and Typical-Use

**Figure 4.** Comparison Between Pre- and Post-survey Results Related to how Students Perceived the Typical- and Perfect-Use Effectiveness Rates of Select FABMs with Published Research. Analysis Performed Using a Wilcoxon Sign-Rank Test for Dependent Outcomes and a Skewed Distribution of Differences. *\*p-value<0.0001*




# Results

Table 1. Results of Logistic Regression Analysis. Evaluating the Relationship Between Students who Indicated They Would Seek Additional Training, Their Perception of FABMs' Effectiveness for Family Planning, and Other Variables.  
*\*p-value < 0.10;*  
*\*\*p-value < 0.05;*  
*\*\*\*p-value < 0.001;*  
*\*\*\*\*p-value < 0.0001;*  
*OR = odds ratio*

Dependent Variable: Seek Additional Training	
	Model 3
	Pseudo R2: 0.3290
<b>Variable</b>	<b>OR</b>
<b>Offering FABMs</b>	
Pregnancy Prevention	10.21****
Pregnancy Prevention (Postpartum)	1.88
Pregnancy Achievement	3.96*

## Likelihood of Seeking Additional Training: Highlights

**10.2x**   
 More Likely If FABMs Perceived as Effective for Pregnancy Prevention

**3.1x**   
 More Likely if Family Medicine Specialty

**1.9x**   
 More Likely if OB/GYN Specialty

**1.6x**   
 More Likely if Catholic or Christian

# Conclusion

After completing the FACTS Elective, students are:

- Significantly more likely to perceive FABMs as effective for avoiding & achieving pregnancy
- 10X more likely to seek additional training if they perceive FABMs to be effective

Figure 7. Highlights of Regression Analysis Indicating Significant Factors Influencing the Likelihood of Seeking Additional FABMs Training