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## Introduction

- In the United States, 11.7 million women of reproductive age are prescribed teratogenic medications annually.<sup>1</sup>
- A teratogenic drug is one that can have ruinous effects on the development of the fetus throughout the pregnancy.<sup>2</sup>
- Potential teratogens are prescribed for different medical conditions such as seizures, cardiovascular diseases, and weight loss.<sup>3,4</sup>
- A study conducted in two primary care clinics found that 25% of reproductive aged female patients were prescribed a teratogenic medication, and more than 50% did not have a contraceptive in their care plan.<sup>5</sup>

## Purpose

To quantify the number of reproductive-aged female patients at the Piedmont Athens Regional (PAR) Clay Community Care Clinic (CCCC) who are prescribed potentially teratogenic medications without adequate family planning discussions and an appropriate reproductive history.

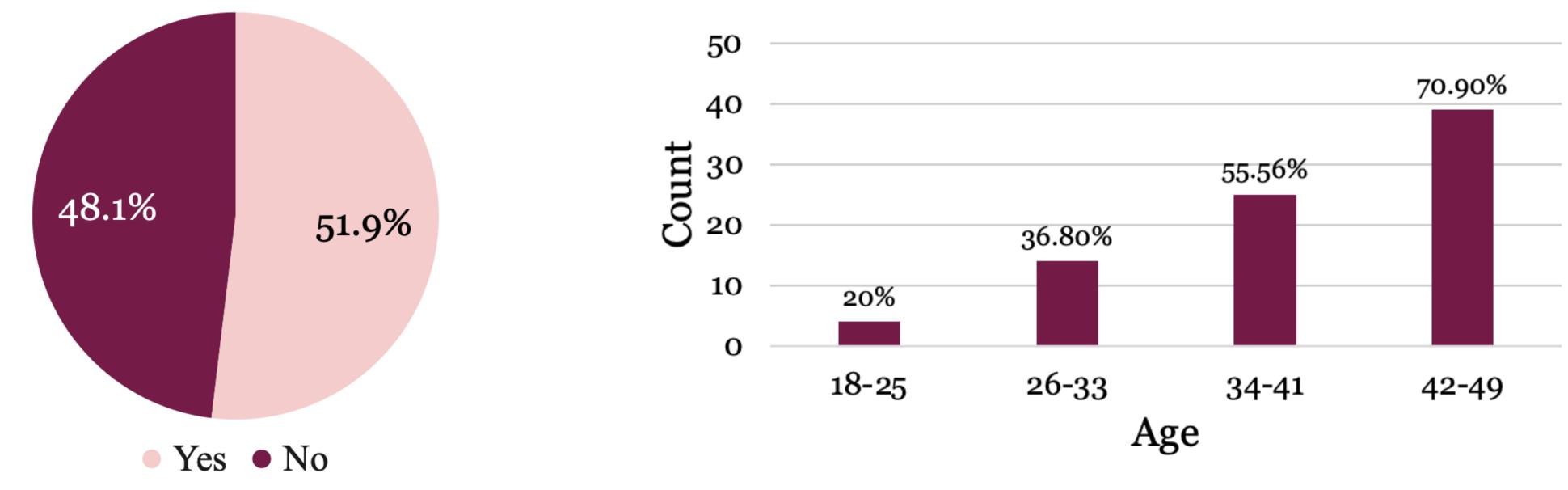
## Methodology

- Retrospective study performed with data from 07/01/22 through 12/31/22
- Female PAR CCCC patients aged 18-49 included
- Data from the electronic medical records extracted using Slicer Dicer and individual chart reviews by authors
- Outcome variables:
  - Current use of a teratogenic medication
- 2. An appropriate reproductive history determined by:
  - last menstrual period
  - current contraceptive use
- Data analyzed in Excel with descriptive statistics reported

## Silent Dangers: **Inappropriate Prescription of Teratogenic Medications in Reproductive-Aged Women**

Results					
Table 1: Information of Overall Patient Population (158)					
Race		Medical History		Insurance Status	
White	92 (58.2%)	Hypertension	70 (44.3%)	Insured	122 (77.2%)
Black	62 (39.2%)	Diabetes	131 (82.9%)	Uninsured	36 (22.8%)
Asian	1 (0.63%)	Heart Failure	6 (3.8%)		
Other	3 (1.9%)				

## **Percentage of Women Taking Teratogenic** Medications





### **Documentation of Last Menstrual Period Documentation of Contraceptive Use**

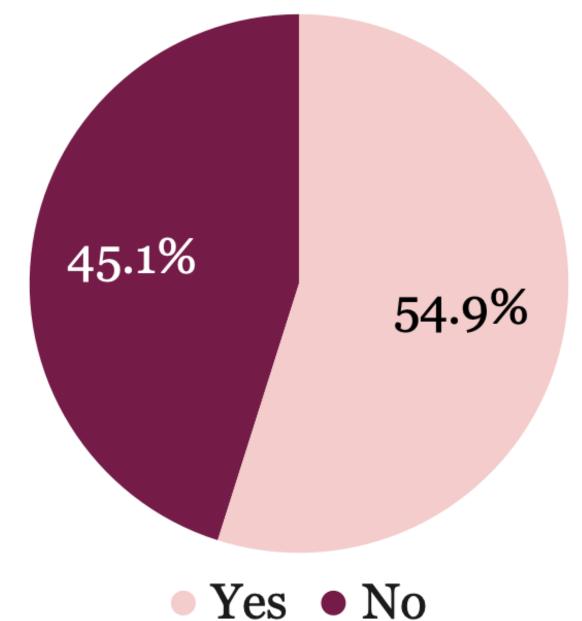


Figure 3. The percentage of women with adequate documentation of contraceptive use out of the women who are prescribed teratogenic medication.



## Women Prescribed Teratogenic **Medications by Age**

**Figure 2. The number of women prescribed** teratogenic medications by age group. Percentages of women prescribed a teratogen per age range are displayed.

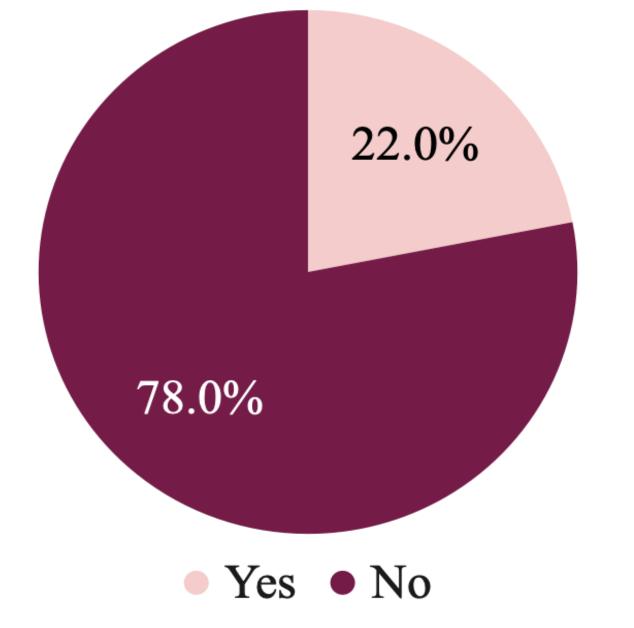


Figure 4. The percentage of women with adequate documentation of their last menstrual cycle out of the women who are prescribed a teratogen.

- planning

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## Discussion

• Like other ambulatory practices, inappropriate prescription of these medications has been observed in the Piedmont Athens Regional (PAR) Clay Community Care Clinic

• As age increases, the number of women prescribed a teratogenic medication increases which may be related to older women being more likely to have multiple comorbidities hence more prescriptions

Reproductive-aged women seen at the Clay Community Care Clinic who are prescribed these medications are not always screened for teratogenic risk

## Conclusions

Too many reproductive-aged women are on teratogenic medications without appropriate protection

Efforts are needed to reduce the burden of reproductive-aged women prescribed at-risk medications without appropriate family

• Studies to identify reasons for these findings are needed, as well as interventions to address this problem

## References

