

INTRODUCTION

- The COVID-19 pandemic caused by SARS-CoV-2 represents a burden to the national health care system.
- From December 30, 2019 through October 11, 2020, over 37 million COVID-19 cases and 1 million deaths have been reported globally (1).
- The novel virus is evolving quickly, and obstetric care providers must manage pregnant patients in a high-risk setting (2).

OBJECTIVE

- We aim to determine the prevalence of COVID-19 in patients at the time of delivery at our institution. We present the preliminary results of our study.

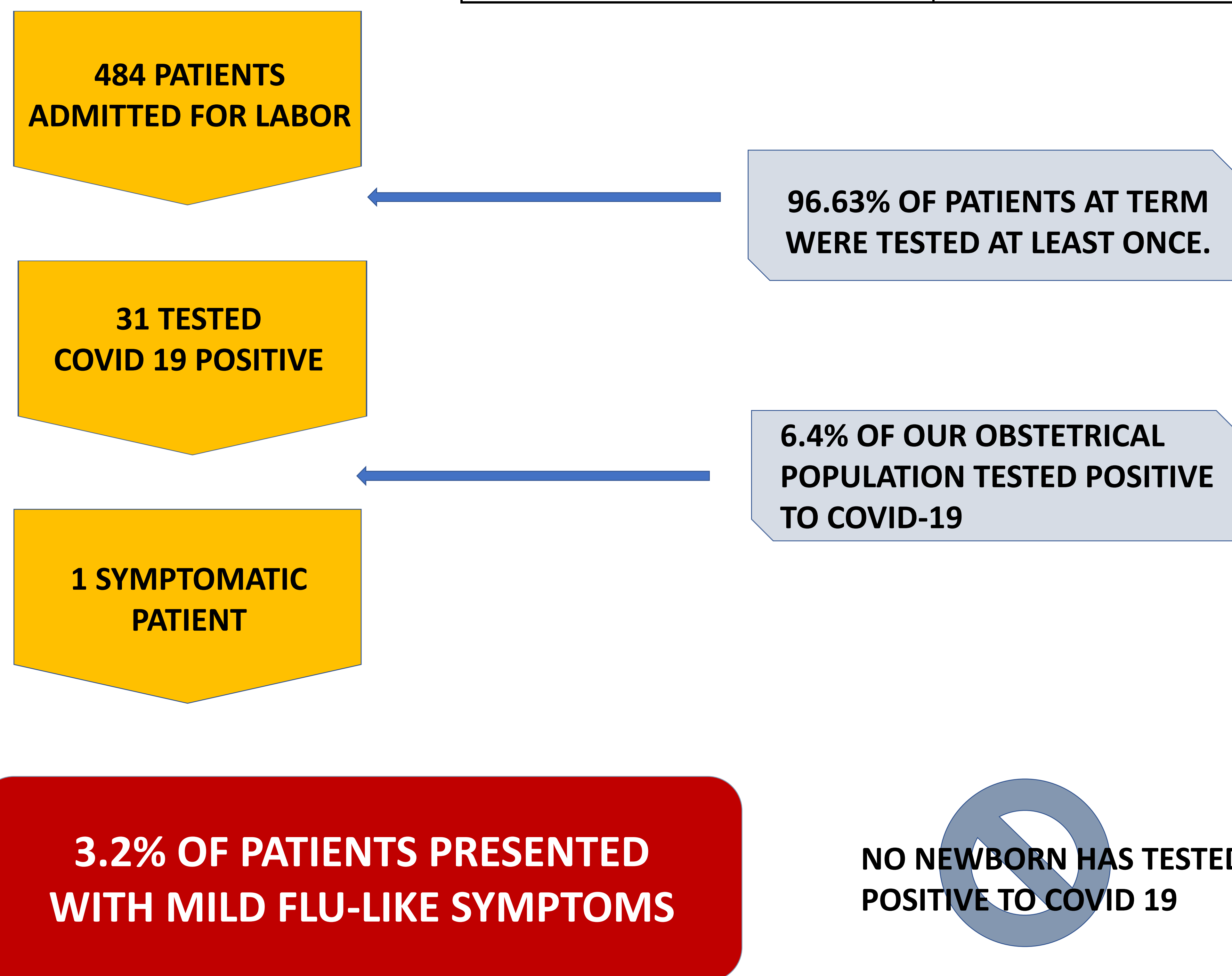
MATERIALS AND METHODS

- The study was conducted at the San Juan City Hospital (SJCH) from May 1 st to September 30th, 2020 following institutional IRB approval.
- All patients were tested upon admission for delivery. Patients that reached 37 weeks were also tested in anticipation of delivery that time.
- All testing was by PCR . Data was collected from EHR.
- When the mother tested positive, the newborn was tested as well.
- Descriptive statistics were used to summarize our data.

RESULTS

Patient Demographics	
Mean Maternal Age	26.2 Years Old
Mean BMI	30.7 kg/m ²
City of Residency	67.4%- Metropolitan Area 32.6%- Other Municipalities

Percentages of Deliveries at the SJCH	
Term (≥ 37 WGA)	91.62%
Preterm (≥ 24 WGA)	7.05%
Periviable (< 24 WGA)	0.88%



CONCLUSION

- The prevalence of COVID-19 in our maternity population was 6.4%.
- The overwhelming majority were asymptomatic (96.8%).
- These findings support the need to continue testing to identify and optimize management during admission for delivery to our maternity unit.
- Continued universal testing facilitates thorough infectious control measures to prevent outbreaks in maternity units.
- To our knowledge, this is the first study regarding universal screening for COVID-19 in an obstetrical population in Puerto Rico.

REFERENCES

1. Coronavirus disease (COVID-19) World Health Organization Weekly Epidemiology Update, October 11, 2020.
2. Universal screening for SARS-CoV-2 in women admitted for delivery, Sutton, et al, NEJM, April 13, 2020
3. Abeyasuriya S, Wasif S, Counihan C, Shah N, Iliodromiti S, Cutino-Moguel M-Teresa, Saeed F, Velauthar L, Universal Screening for SARS-CoV-2 in Pregnant Women at Term Admitted to an East London Maternity Unit, European Journal of Obstetrics and Gynecology and Reproductive Biology (2020)