

# A CROSS SECTIONAL STUDY REGARDING CORONA VIRUS DISEASE-19 VACCINE ACCEPTANCE AMONG PREGNANT WOMEN SEEKING ANTENATAL CARE IN A MEDICAL COLLEGE HOSPITAL, BENGALURU.

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## INTRODUCTION

- Evidences indicate that pregnant women are more likely to experience COVID-19 complications compared with non-pregnant women, including need for invasive ventilation, admission to intensive care unit and death particularly in the third trimester<sup>1</sup>
- Pregnant and lactating mothers have been excluded from clinical trials of existing COVID-19 vaccines, hence the hesitancy to take the vaccine.<sup>2</sup>

## OBJECTIVE

- To estimate the proportion of COVID-19 vaccine acceptance and non-acceptance in pregnant women attending antenatal OPD
- To describe the factors associated with non-acceptance of COVID-19 vaccine

## MATERIALS AND METHODS

- Study design:** A cross-sectional study
- Sample size :** 582, study by Ayhan et al<sup>3</sup>
- Study Population:** Pregnant women attending antenatal clinic at Medical College Hospital, Bengaluru
- Study Period :** July –September 2021
- Methodology :** All pregnant women attending antenatal clinic were subjected to history taking and counselling that included information about risk of infection, benefits and risks of vaccine. Women who refuse the vaccine were addressed by counselors to help them take informed decision. The data was collected by pre-tested, semi-structured, validated questionnaire by face-to-face interview method and analyzed using SPSS20.0.

## RESULTS

Table 1: Participants Age & Gestational week

Mean Age	25.32+/- 4.59
Mean Gestational Age	28.48 +/- 8.77

Fig 1: Acceptance, Non acceptance & type of Vaccine

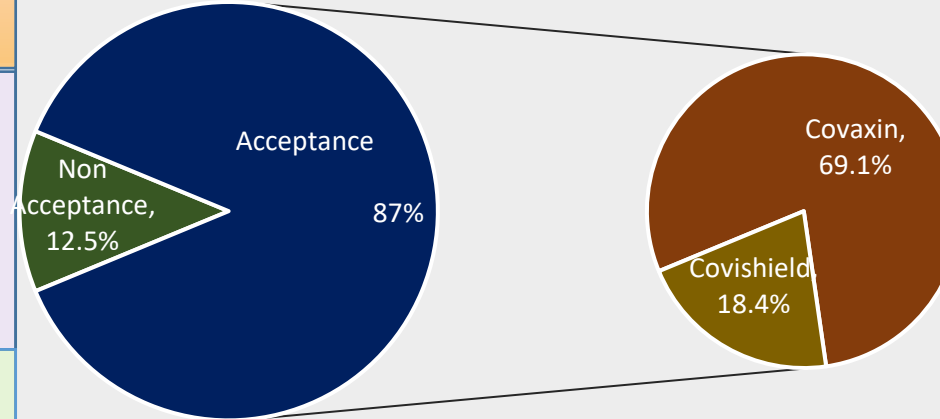
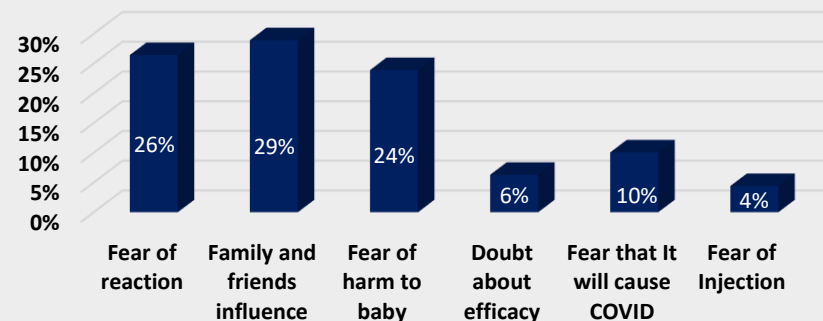


Fig 2: Reason for Non Acceptance



## CONCLUSION

- There is about 28% non-acceptance of COVID-19 vaccination in a sample of pregnant women. Identifying the attitudes among priority groups will be useful for creating vaccination strategies that increase uptake during the current pandemic.

## RECOMMENDATION

- Include pregnant women in trial and establish efficacy and safety
- Counselling and vaccination campaign to motivate

## REFERENCES

- Royal college of Obstetricians and Gynecologists –Corona virus (Covid 19) infection in pregnancy. Information for health care workers. Version 13: Published Friday 19 February 2021.
- Gray K, Bordt E, Atyeo C, Deriso E, Akinwunmi B, Young N et al. Coronavirus disease 2019 vaccine response in pregnant and lactating women: a cohort study. American Journal of Obstetrics and Gynecology. 2021;225(3):303.e1-303.e17.
- Goncu Ayhan S, Oluklu D, Atalay A, Menekse Beser D, Tanacan A, Moraloglu Tekin O et al. COVID-19 vaccine acceptance in pregnant women. International Journal of Gynecology & Obstetrics. 2021;154(2):291-296.