

The Impact of the COVID-19 pandemic on Voluntary Non-remunerated Blood Donations (VNRBD) on the University of the West Indies Blood Donor Foundation (UWIBDF) and a general community group (GCG) in Trinidad and Tobago



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Introduction

- ☐ The World Health Organization (WHO) recommends collection of one unit per 20 persons each year. Given the population of T&T, 70,000 units of blood are required per annum. However, only 20,000 units are collected.
- ☐ This study aims to investigate the impact of the COVID-19 pandemic on VNRBD within the UWIBDF and the GCG in T&T and highlights the motivators and demotivators to VNRBD during that time.

Objective

- ☐ To describe the knowledge, attitudes and practices towards VNRBD, during the COVID-19 pandemic among the UWIBDF members.
- ☐ To describe the knowledge, attitudes and practices towards VNRBD during the COVID-19 pandemic in a GCG.
- ☐ To determine the motivators and demotivators towards VNRBD during the COVID-19 pandemic.

Methodology

- ☐ This was a descriptive study with 24-respondents.
- Responses were obtained from members of the UWIBDF and the GCG via an online questionnaire, distributed using social media platforms.
- ☐ Convenience sampling was utilized since the pandemic hindered physical distribution of questionnaires.
- ☐ Data from the questionnaire was analyzed using the IBM SPSS software. Descriptive statistics were generated using Microsoft Excel.

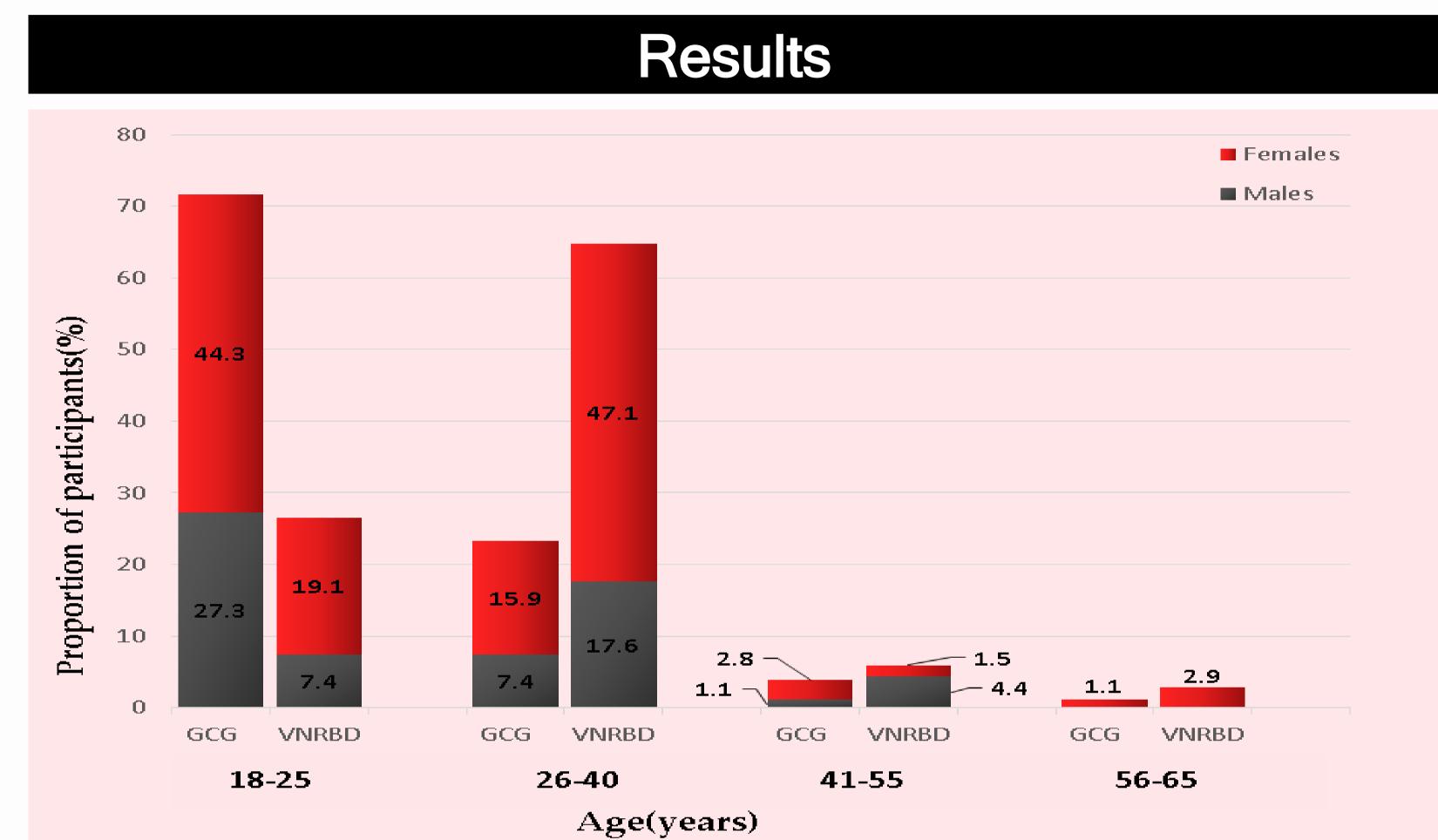
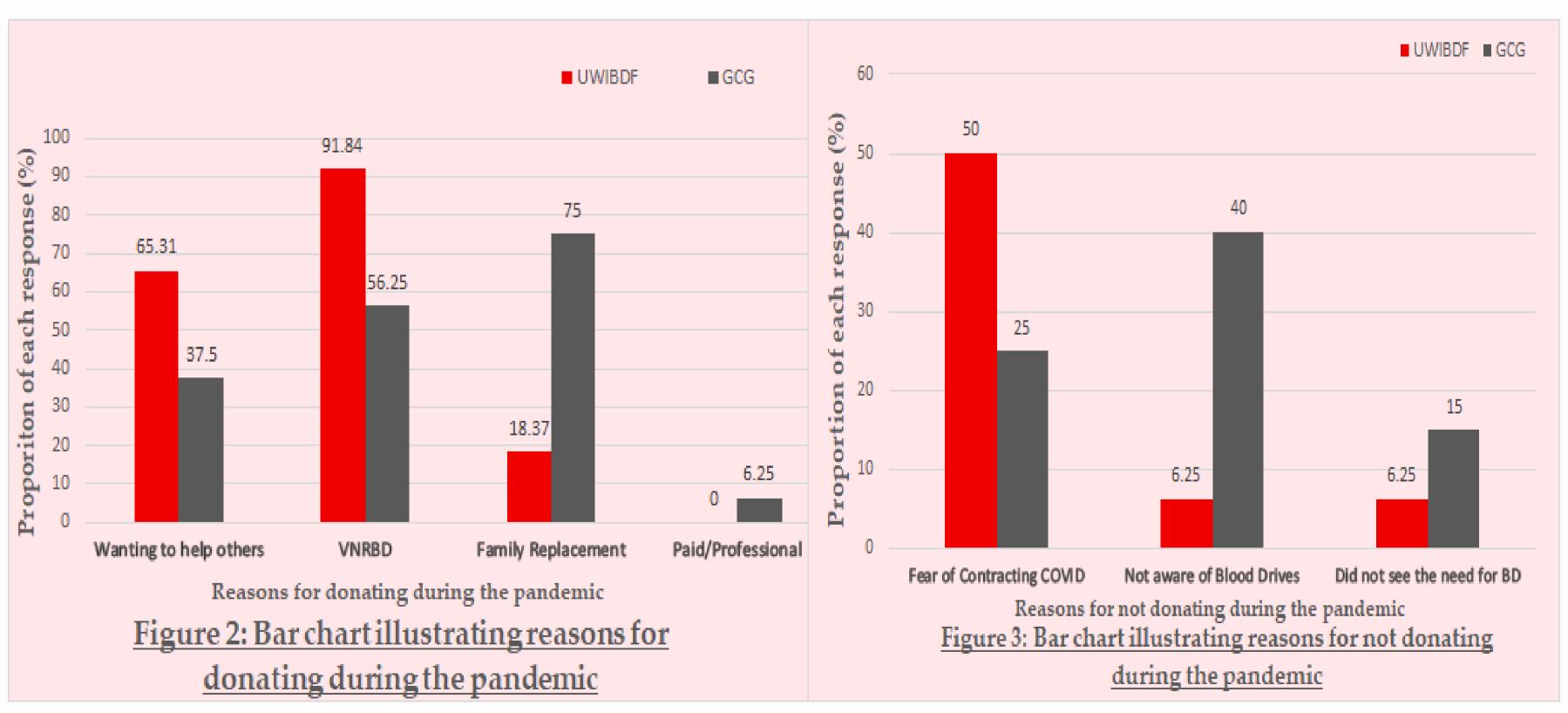
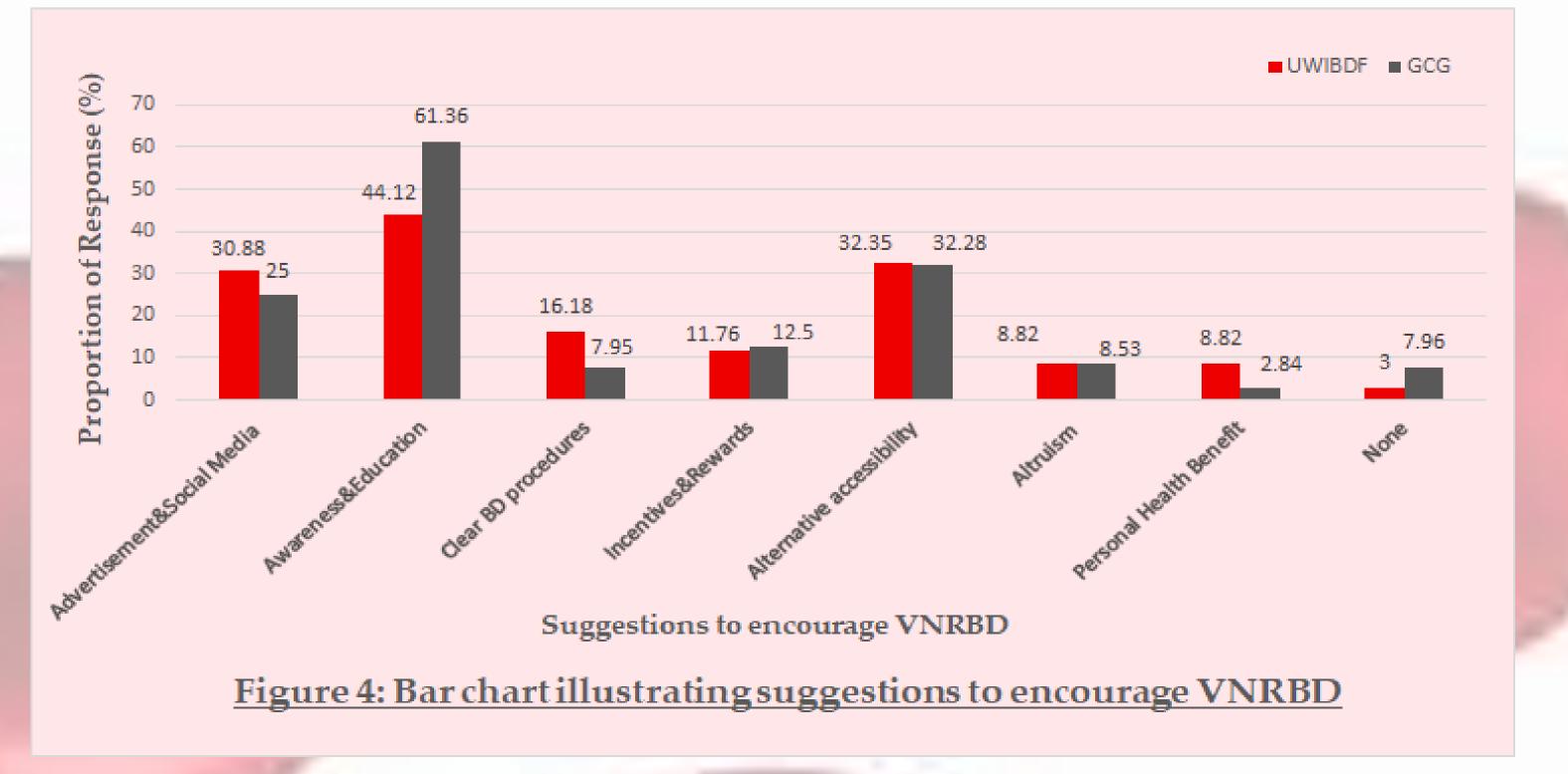


Figure 1: Bar chart showing distribution of study participants by age and sex.





Discussion

- □ Persons from UWIBDF were more aware of the importance of VNRBD and its shortage in T&T. They were also aware that there was no deferral period for donation after receiving the COVID-19 vaccine.
- □ Additionally, persons from UWIBDF had a positive attitude towards VNRBD while persons from the GCG generally supported family replacement blood donations as supported by Charles et. al.(1).
- ☐ As a result, during the pandemic, 72% of VNRD donors continued to donate as VNRBD while family replacement was the most common reason among the GCG.
- ☐ Fear of contracting COVID-19 as stated by Sayedahmed et al (2) was the most common reason for not donating among UWIBDF while unawareness of blood drives held was the most common reason among the GCG.
- ☐ The most popular suggestions between both groups to increase VNRBD were awareness and education, alternative accessibility and the use of advertisement and social media.

Conclusion

- ☐ The UWIBDF was more aware and maintained a positive attitude towards the practice of VNRBD.
- ☐ The GCG practiced and maintained a positive attitude towards family replacement.
- ☐ The findings of the study showed that overall improvement in knowledge, advertisements and accessibility to blood donation sites in T&T are the key to moving towards VNRBD and ultimately achieving a sustainable blood supply.

References

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