



BACKGROUND

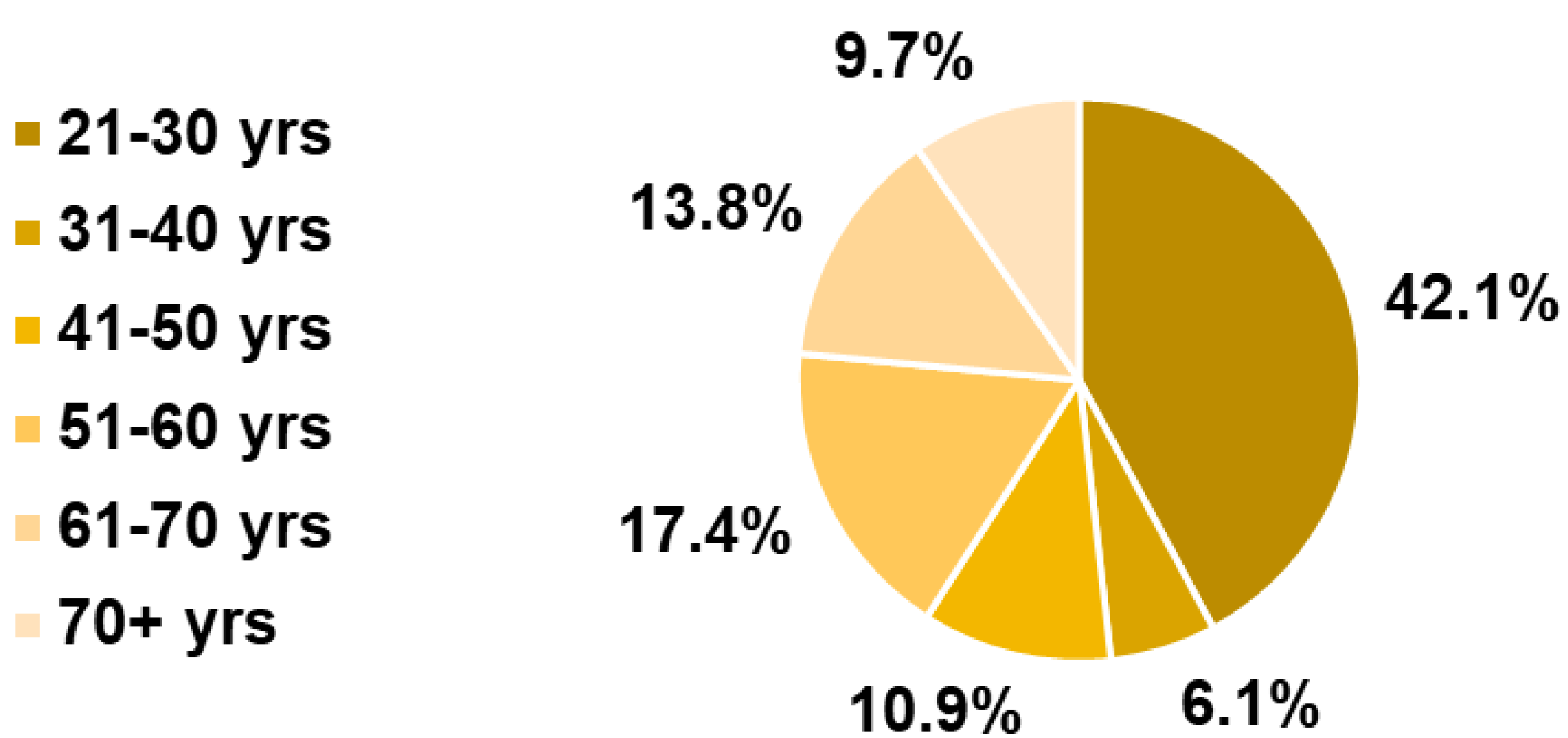
Given the swift introduction of COVID-19 vaccines to the market, scarce information is known regarding their adverse reactions. Musculoskeletal and rheumatic symptomatology has been an unwanted effect after vaccination. **Objective:** In this cross-sectional study, we aimed to assess musculoskeletal afflictions after COVID-19 vaccination in a Puerto Rican population.

METHODOLOGY

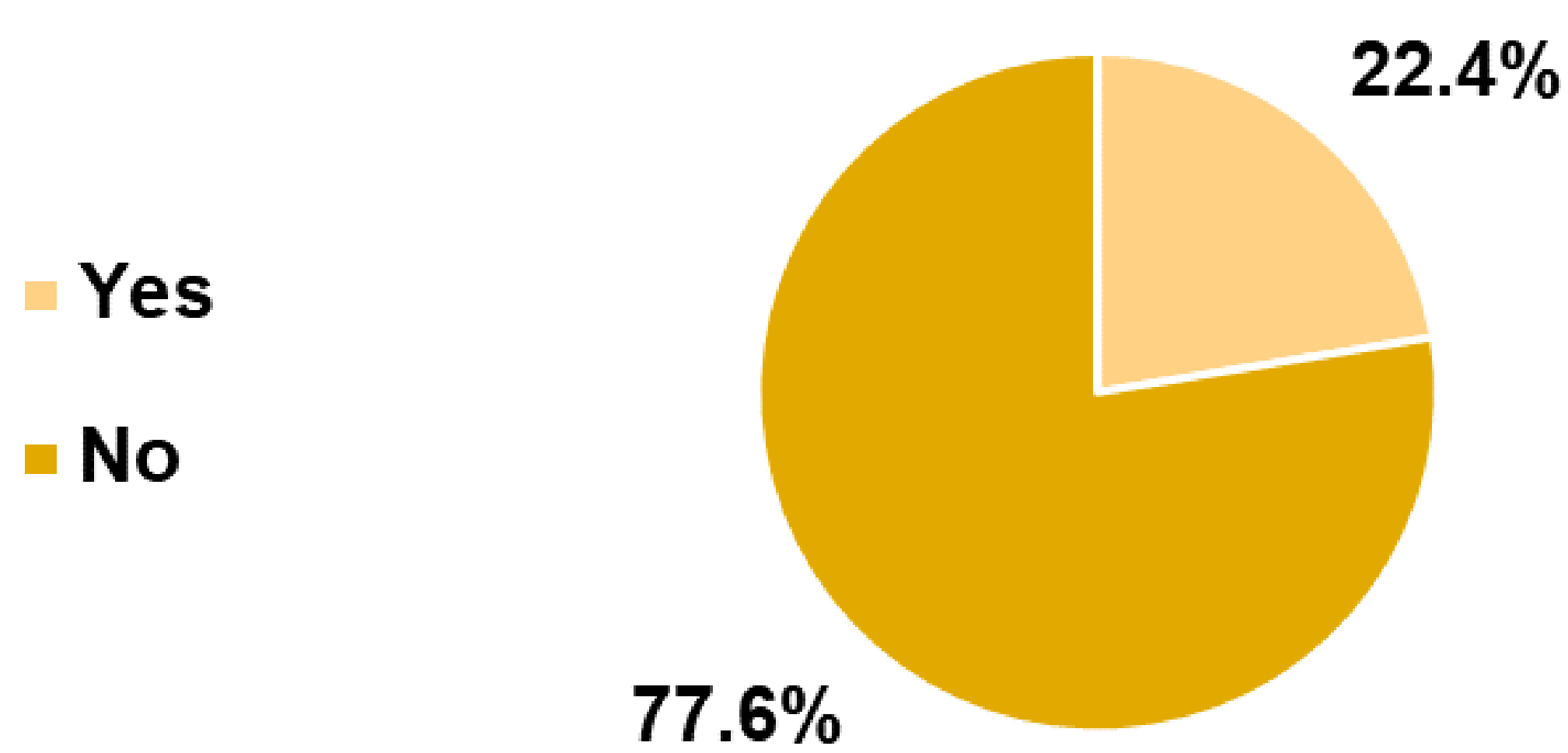
A questionnaire assessing musculoskeletal & rheumatic variables pertaining post-COVID-19 vaccination was provided to participants via QR code at the Universidad Central del Caribe (UCC) vaccination clinics and distributed via social media platforms between July 2021 and October 2021. A total of 247 participants were recruited, consisting of 143 females and 104 males. Preliminary descriptive analysis was performed to assess quantitative variables. This study is approved by the UCC IRB (Protocol Number: 2021-22).

RESULTS

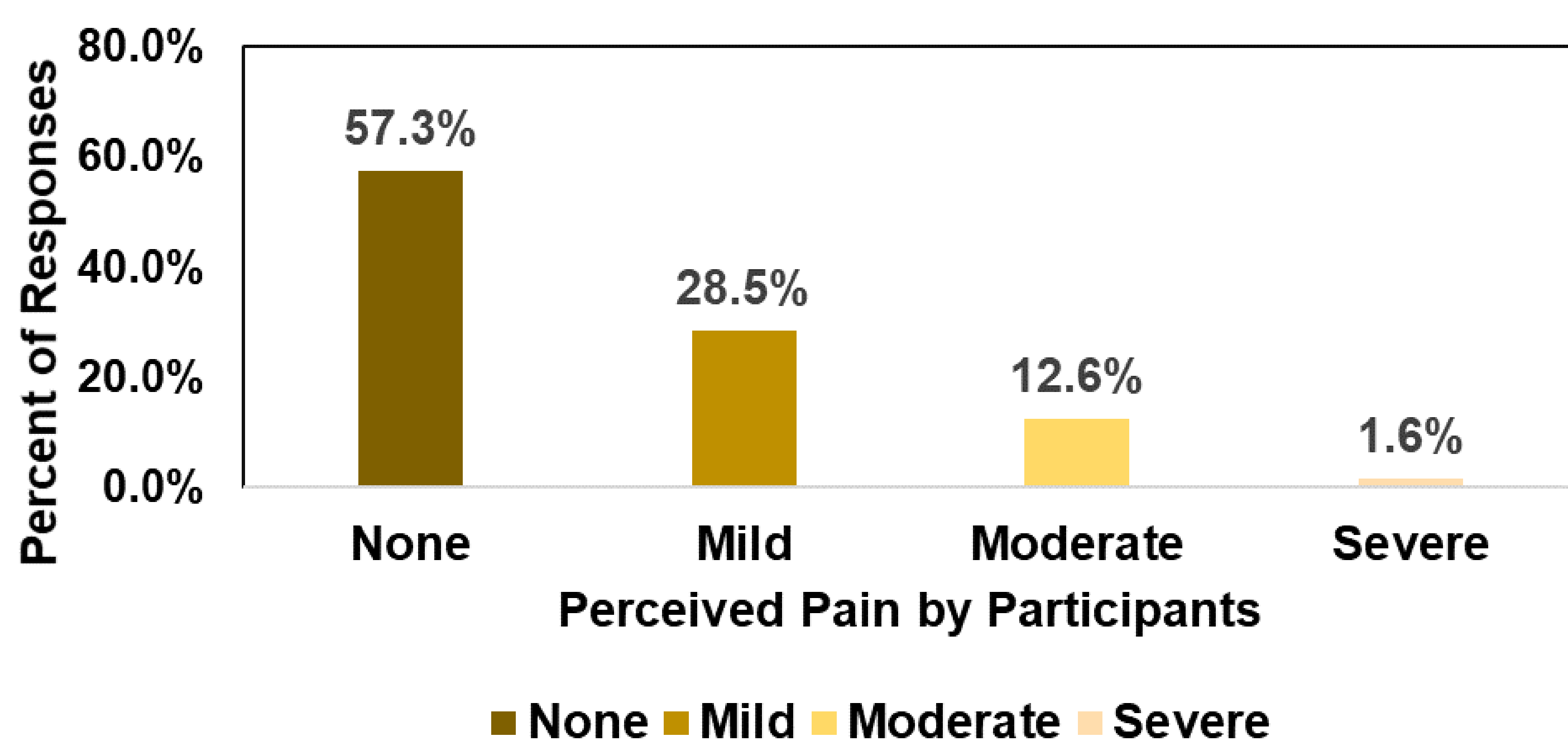
Graph 1. Age Distribution of Participants



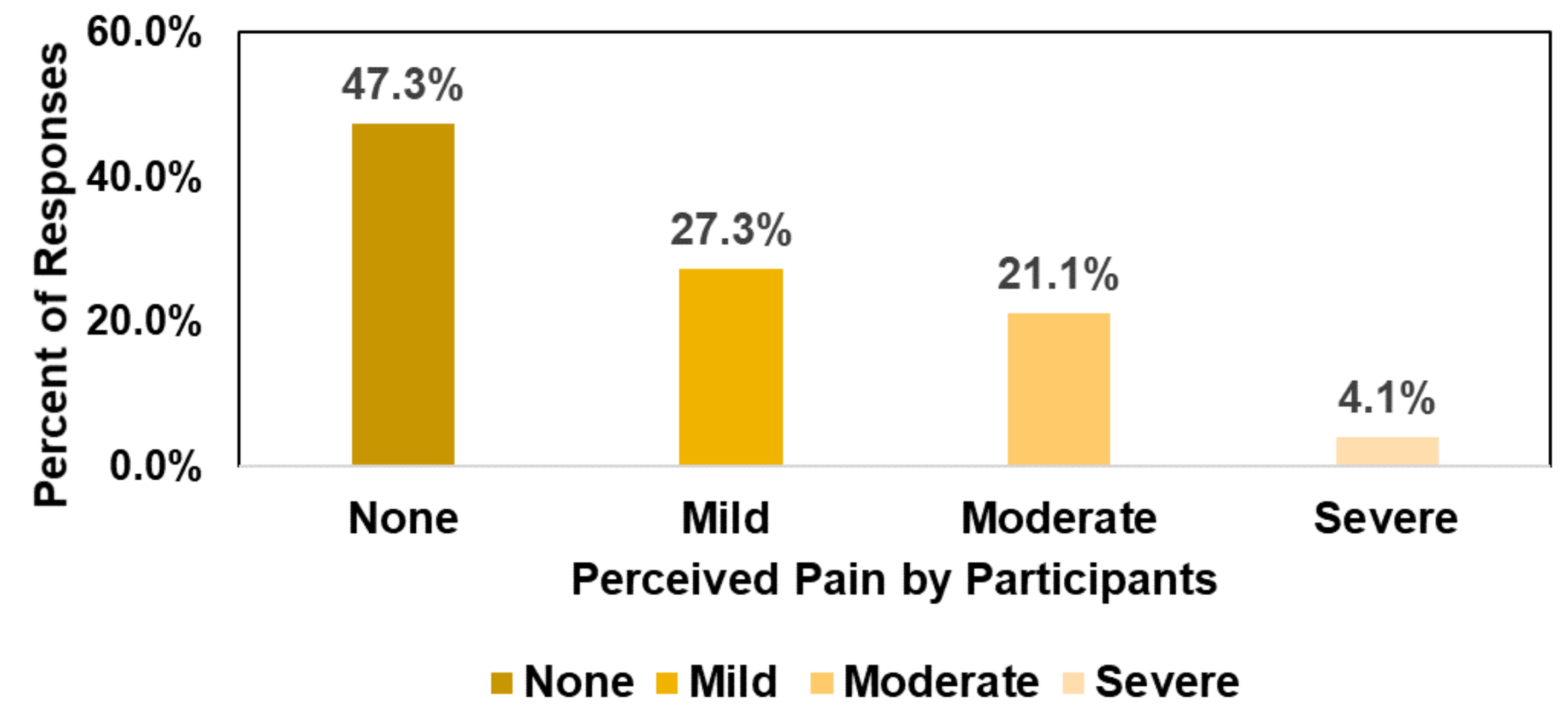
Graph 2. Joint Pain After Vaccination



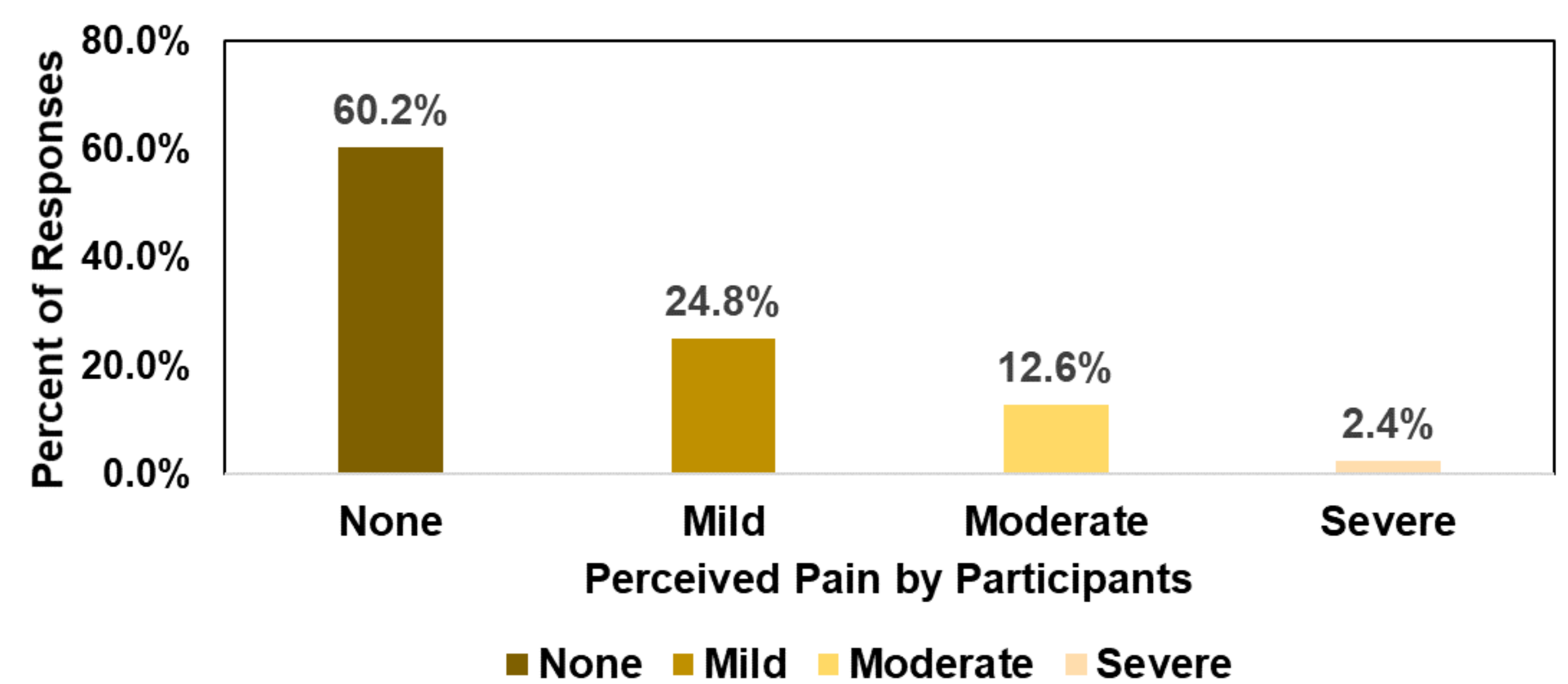
Graph 3. Perceived Pain During the Day After the First Dose



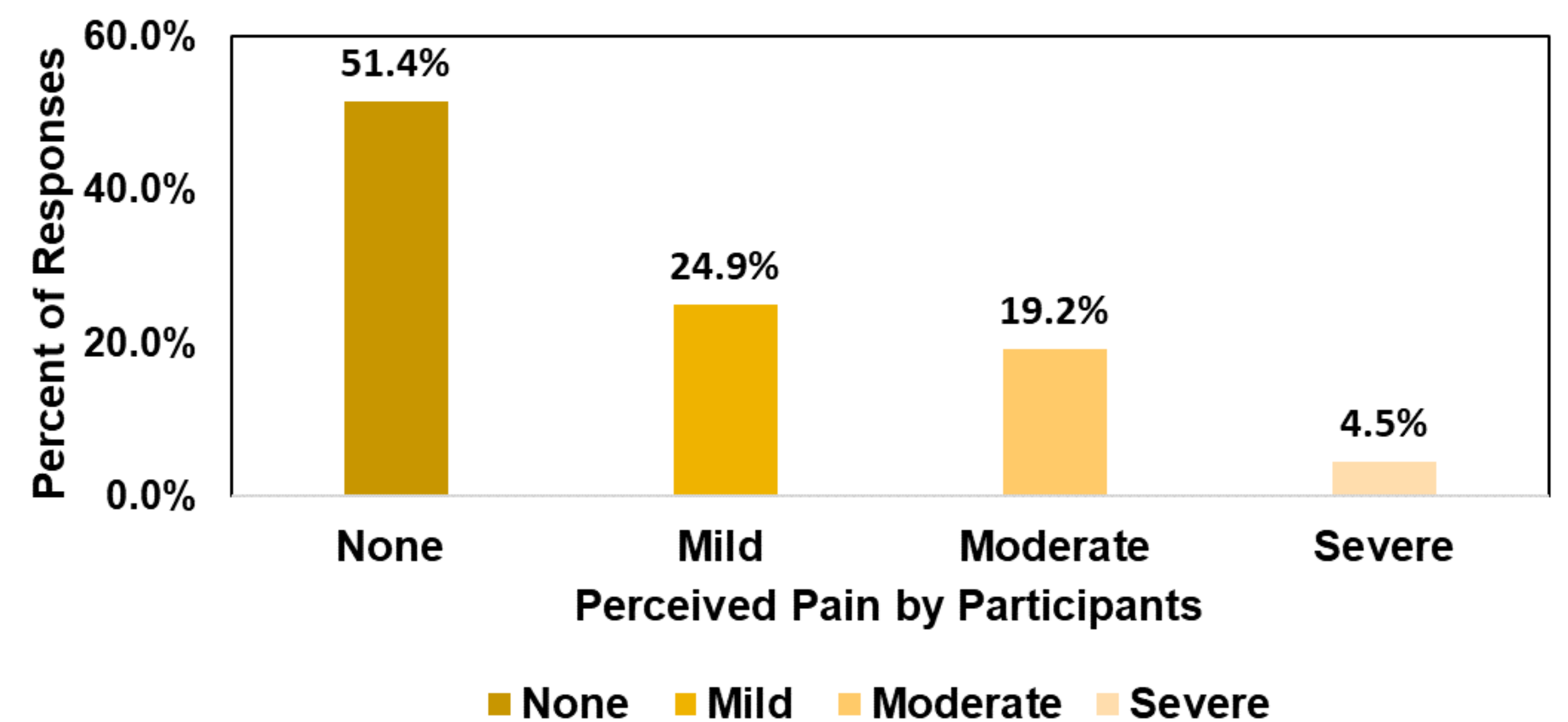
Graph 4. Perceived Pain During the Day After the Second Dose



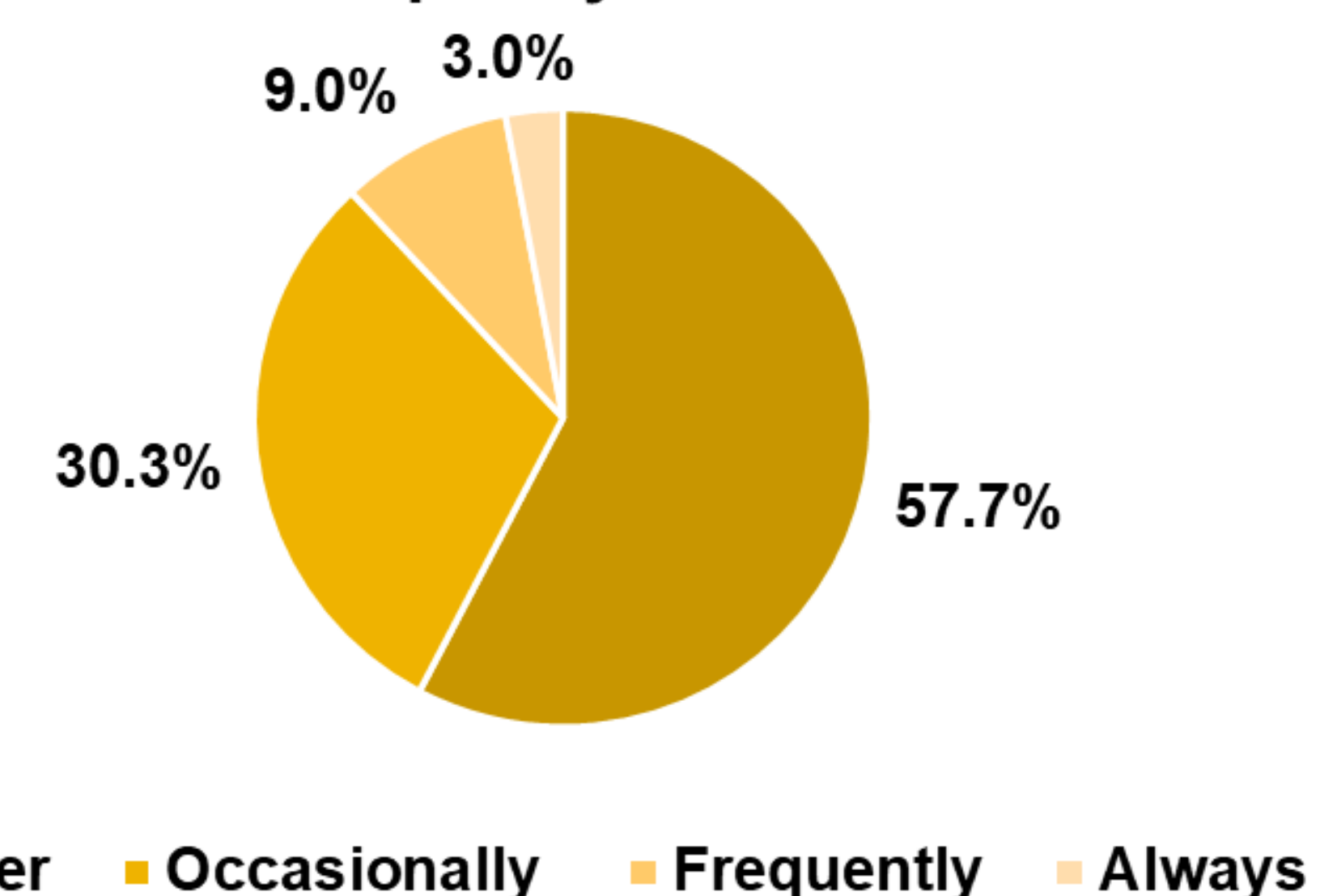
Graph 5. Perceived Pain During the Night After the First Dose



Graph 6. Perceived Pain During the Night After the Second Dose



Graph 7. Proportion of Participant Muscle and/or Joint Pain Frequency After Vaccination



CONCLUSIONS

Statistical analysis is pending to reach significant conclusions of the study. Data may reveal symptomatology tendencies pertinent to a Puerto Rican cohort that may prove useful for vaccination administration guidelines and public health matters.