

Analysis of Students perception on First-Aid among the health sciences in KNUST

Introduction:

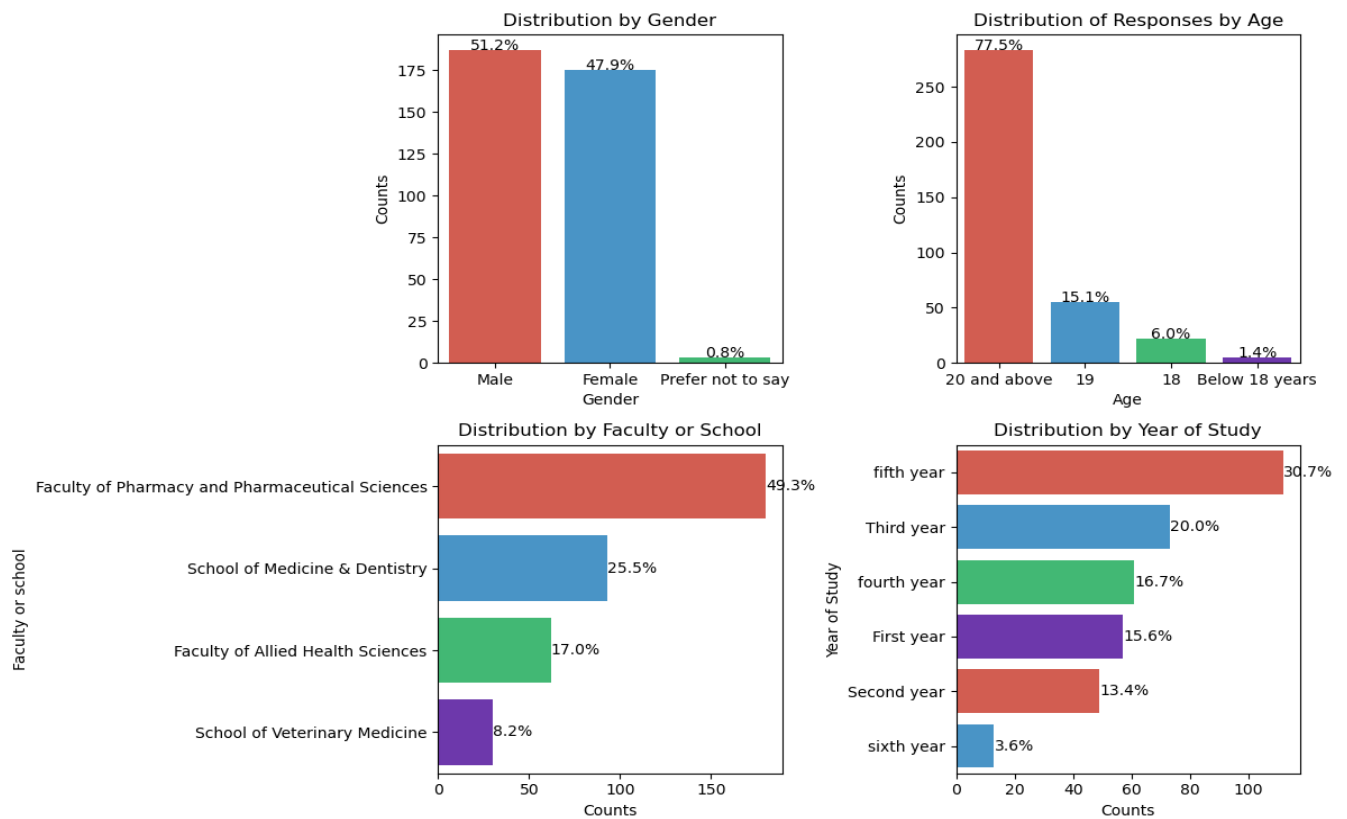
This report presents an analysis of data collected through a Google Forms survey. The survey aimed to gather insights from 365 respondents on various categorical variables. The survey was designed to explore different aspects and preferences among the participants. The data contains no null values, ensuring a comprehensive and reliable dataset for analysis.

Methodology:

The survey was distributed to a diverse group of participants, and a total of 365 responses were collected. All variables in the dataset are categorical in nature, enabling us to gain insights into various preferences and trends.

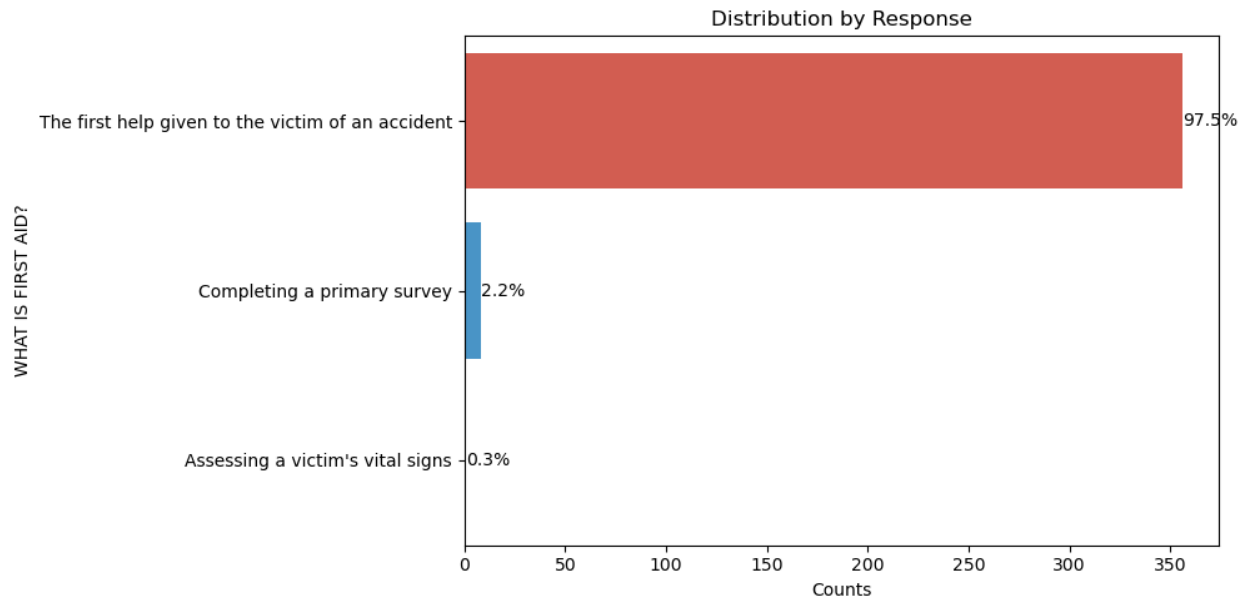
Demographics:

The survey participants were asked about their gender, age group, education level, and year of study. The gender distribution was fairly balanced, with 51.2% identifying as male and 47.9% as female and 0.8% preferred not to disclose their gender. The largest age group among respondents was 20+ years (77.5%), followed by 19 years (15.1%). The majority of participants are in Faculty of Pharmacy and Pharmaceutical Sciences (49.3%), School of Medicine & Dentistry (25.5%), Faculty of Allied Health Sciences (17%) and School of Veterinary Medicine (8.2%) and the distribution across different years of studies was relatively uniform with fifth year (30.7%), Third year (20.0%), fourth year (16.7%), First year (15.6%), Second year (13.4%) and sixth year (3.6%)



Awareness of First Aid

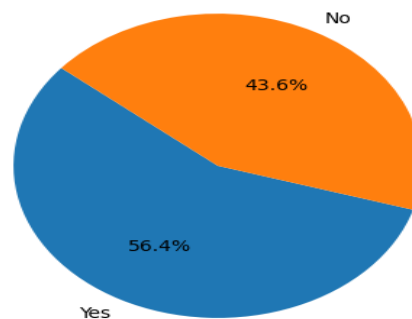
The question, "What is first aid?" was used to assess the general awareness of first aid concepts among the respondents. This analysis was revealed the extent of basic knowledge about first aid principles within the surveyed group and the following reveals the respondent's knowledge as respondents were to choose between the following three answers as the definition for first aid as defined as 'The first help given to the victim of an accident' (97.5%), 'Completing a primary survey' (2.2%) and assessing a victim's vital signs (0.3%)



Formal Training assessment

The question “Have you received any formal training on first aid?” was used to assess whether respondents have received any formal training on first aid. We intend to analyze these responses and provide insights into the proportion of individuals who have undergone training, which can indicate the level preparedness within the community.

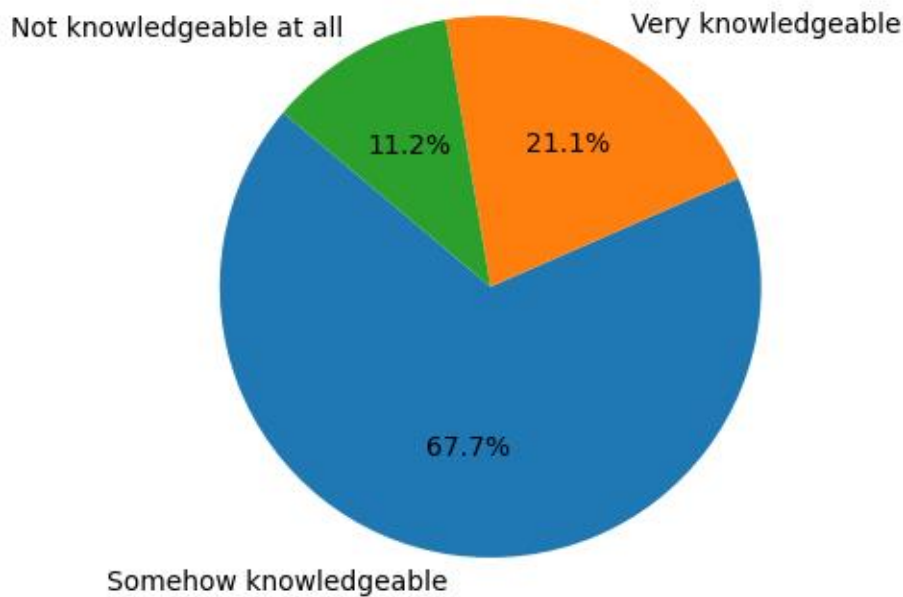
Have you received any formal training on first aid?



Self-Assessment of Knowledge

The question “How would you rate your current level of knowledge on first aid?” evaluates respondents' self-perceived level of knowledge on first aid. This analysis will help us help identify how confident individuals feel about their ability to provide assistance in emergency situations

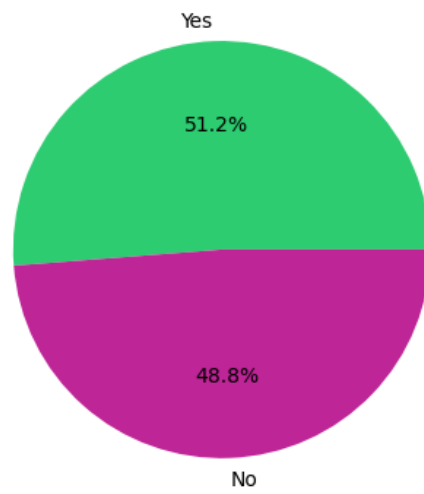
How would you rate your current level of knowledge on first aid?



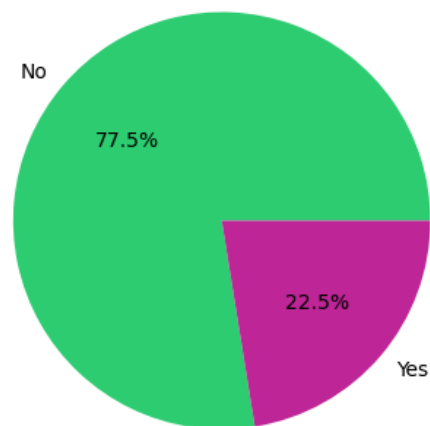
Experience with Medical Emergencies

The questions “Have you ever witnessed a medical emergency in your school or community?” and “If you answered ‘Yes’ to the previous question, did you feel prepared to assist in that situation?” explore whether respondents have witnessed a medical emergency and their feelings of preparedness in such situations. Analyzing these responses can shed light on the practical experiences of respondents and their ability to take action when needed

Have you ever witnessed a medical emergency in your school or community?

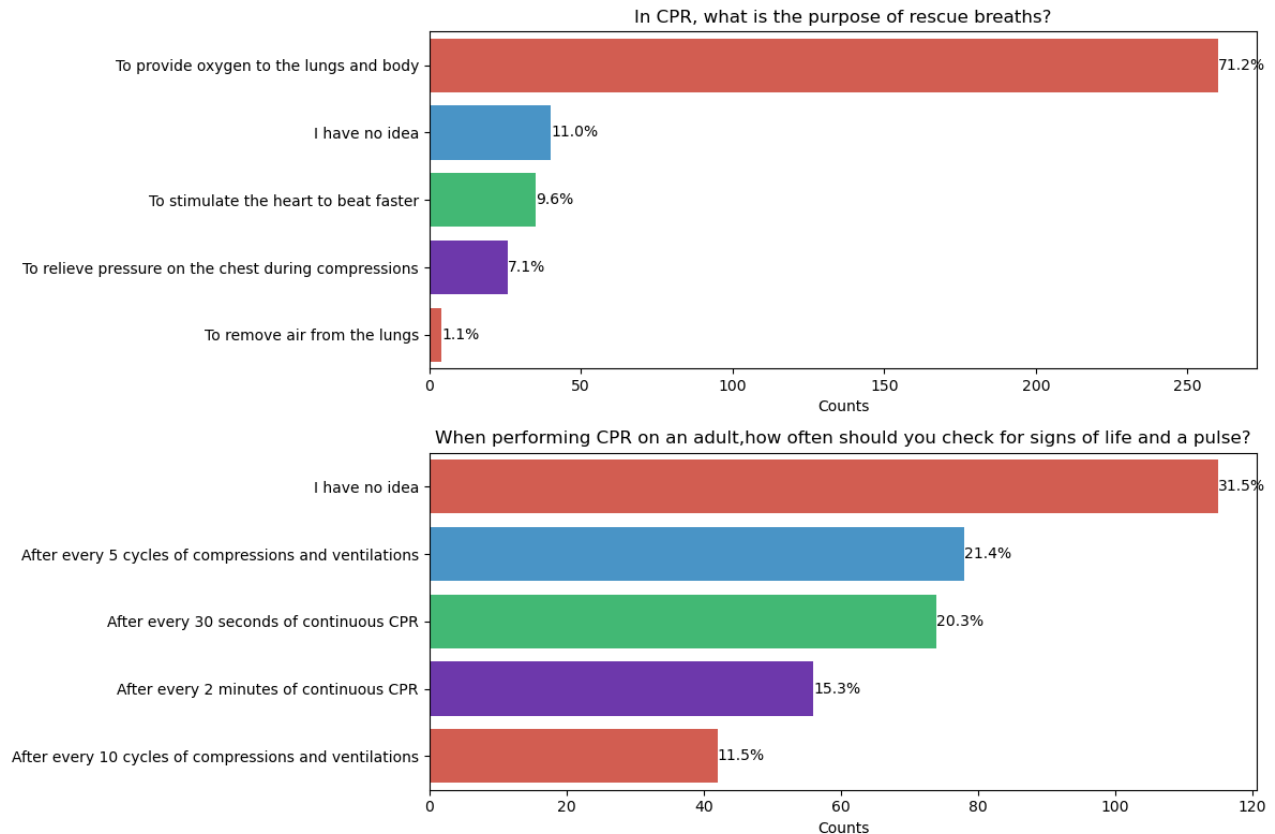


If you answered 'Yes' to the previous question, did you feel prepared to assist in that situation?



CPR Knowledge:

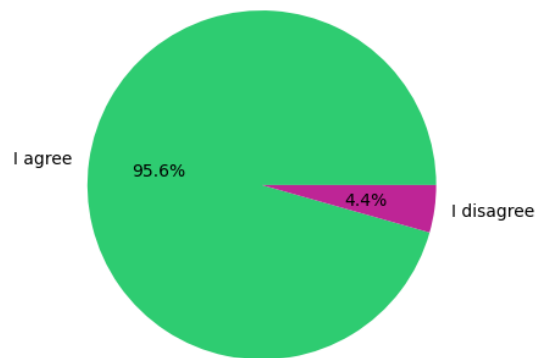
The questions “In CPR, what is the purpose of rescue breaths?” and “When performing CPR on an adult, how often should you check for signs of life and a pulse?” focus on CPR knowledge, including the purpose of rescue breaths and how often to check for signs of life and a pulse during CPR. Analyzing these responses can highlight the understanding of CPR procedures among the surveyed individuals.



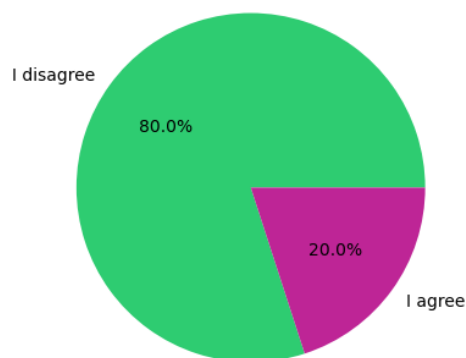
First Aid Kit Management

The questions 10 and 11 address the responsibility of maintaining first aid kits and seeking professional medical care after initial first aid treatment. Analyzing these responses can indicate the level of adherence to recommended practices for first aid kit management and seeking further medical assistance

A person should be designated as responsible for periodically reviewing the contents of the kit



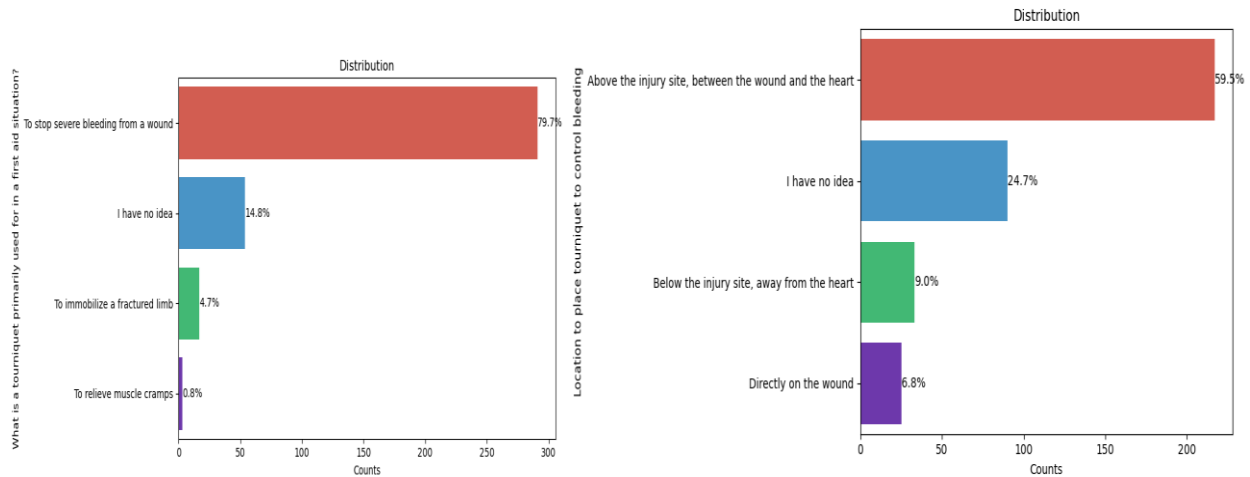
it is not necessary to go to a health facility after the first aid kit has been used to provide initial treatment



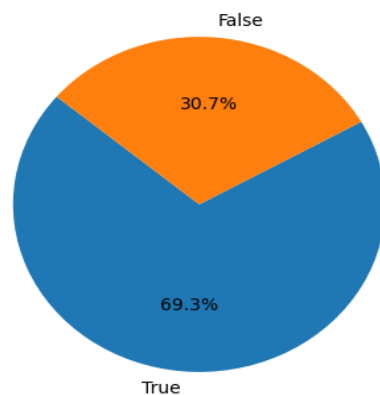
Tourniquet Knowledge

The questions 12, 13, and 14 pertain to tourniquets' use, placement, and proper application.

Analyzing these responses can reveal respondents' understanding of tourniquet usage, a crucial aspect of controlling bleeding in emergencies.

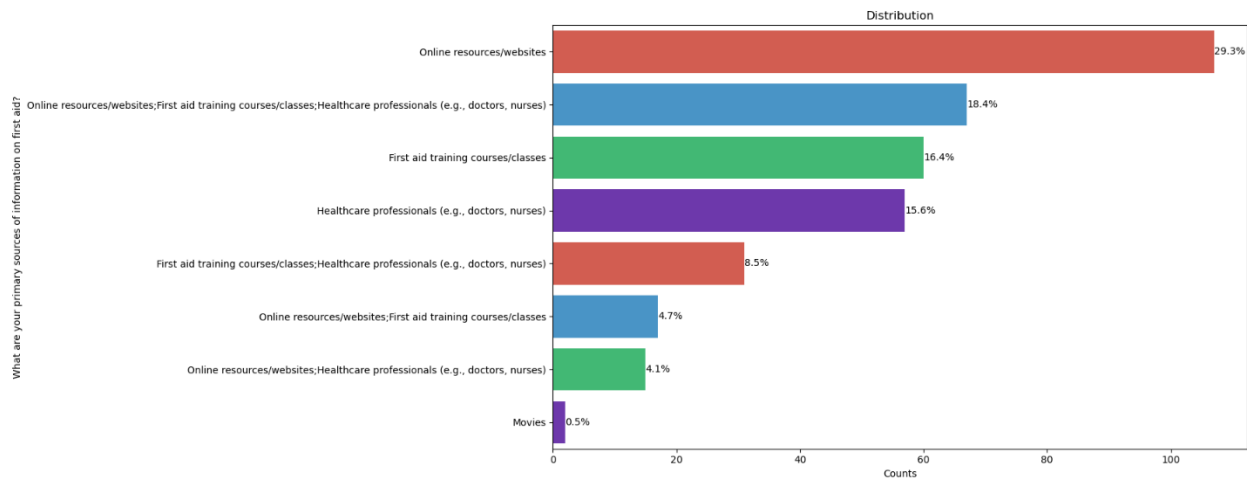


Proper tourniquet application involves tightening it until bleeding stops completely

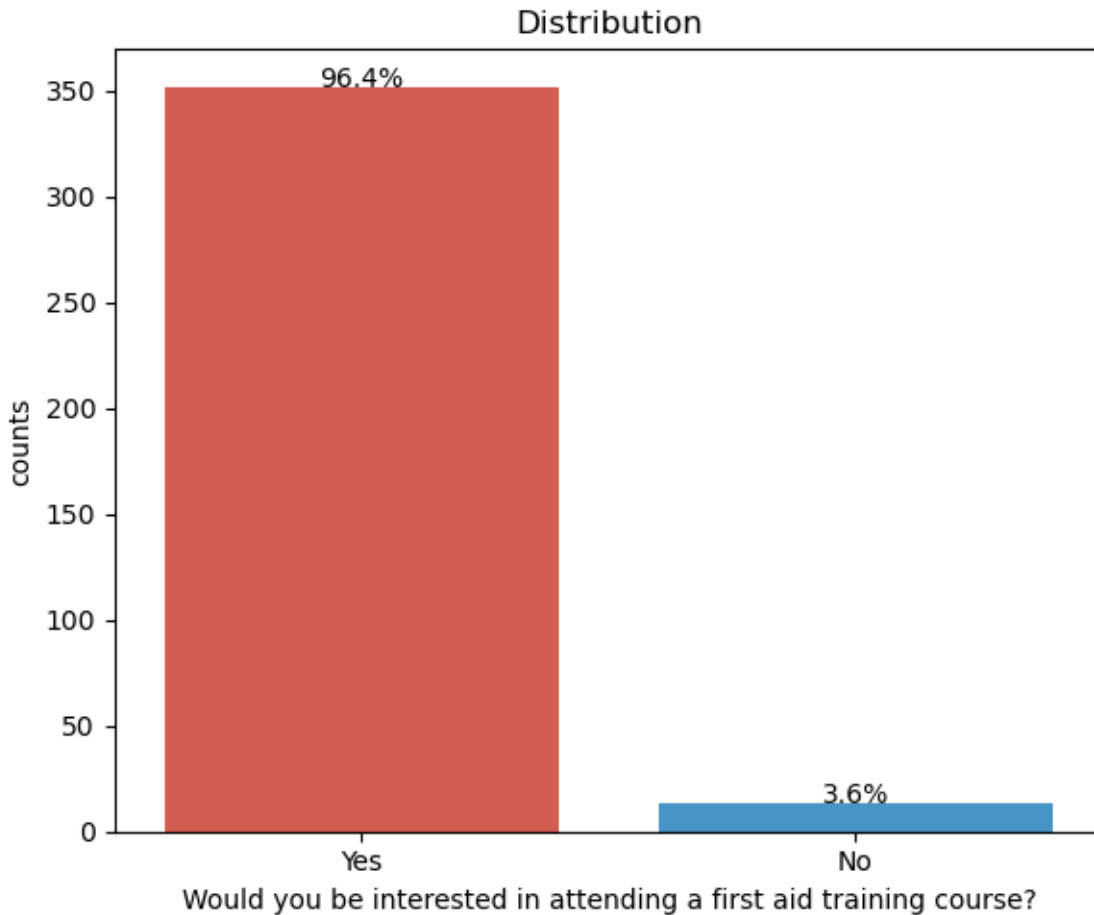


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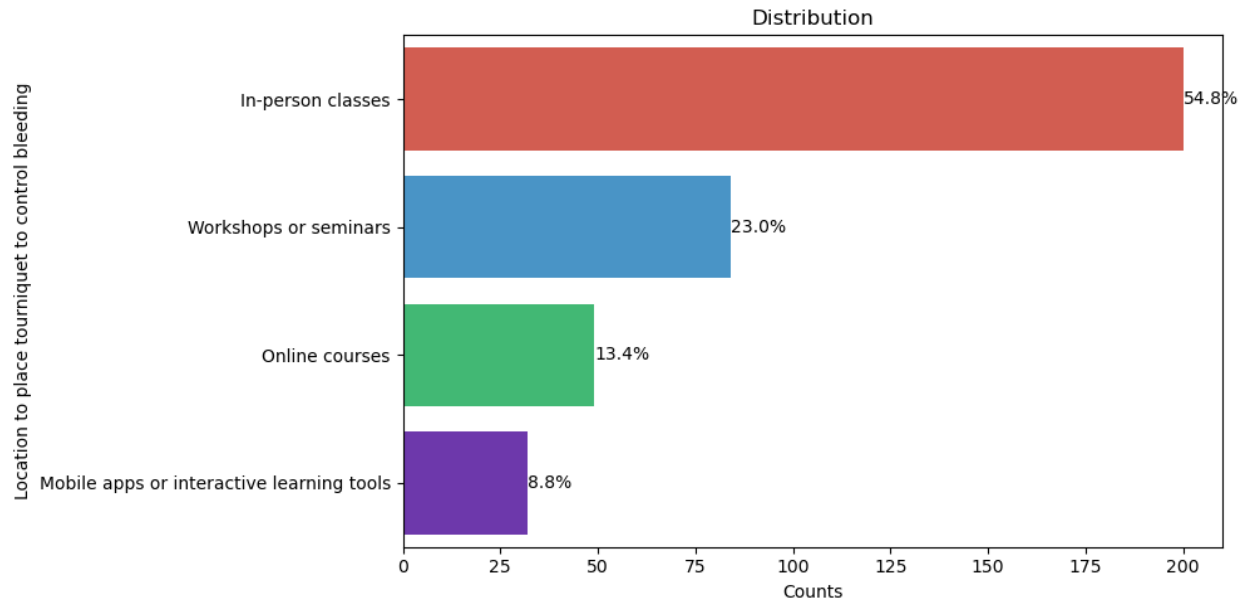
The data suggests a diverse range of primary information sources on first aid among the respondents. Notably, online resources emerge as the most prominent source, with approximately 29.3% of respondents relying on the internet for their first aid information. Other sources such as books, formal training, and healthcare professionals also contribute to respondents' knowledge acquisition on first aid



The survey results reveal a positive inclination toward attending a first aid training course. Approximately 96.4% of respondents express interest in participating in such training. This signifies a willingness among individuals to enhance their first aid skills and knowledge through formal educational programs. The high level of interest suggests a potential demand for accessible and well-structured first aid training opportunities



The preferred modes of receiving first aid training exhibit interesting patterns. Around 54.8% of respondents indicate a preference for in-person classes, 23.0% showed interest in workshops or seminar, underscoring the value of hands-on learning experiences. However, a significant proportion (13.4%) also express openness to online courses, reflecting the increasing popularity and accessibility of virtual education. This highlights the importance of offering a variety of training formats to cater to different learning preferences



The data assessing the frequency of reliance on various sources for expanding first aid knowledge provides valuable insights. Online resources stand out as the most frequently accessed source, with a considerable proportion of respondents (nearly 58.9%) indicating a Rarely rely on their source of information. Family and friends, along with formal training, also receive moderate levels of reliance. This underscores the importance of accessible and reliable online content in supporting individuals' ongoing learning and skill development in the realm of first aid

How frequently do you rely on each source of information for expanding your knowledge on first aid?

