



**RESEARCH ON THE CURRENT SITUATION AND THE DEMAND
FOR FIRST AID SKILLS TRAINING AMONG STUDENTS OF THE FACULTY
OF EDUCATION, HA TINH UNIVERSITY IN 2024**

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Abstract:

This study was conducted to assess the current situation and training needs regarding first aid skills among students of the Faculty of Education at Ha Tinh University. From December 2023 to March 2024, a survey was administered to 376 students using a questionnaire that assessed their understanding of four basic skills: cardiopulmonary resuscitation (CPR), managing foreign bodies in the airway, treating broken bones, and performing hemostasis. The results indicated that 347 out of 376 students (accounting for 92.29%) demonstrated a poor level of understanding, while 28 students (accounting for 7.45%) had an average level, and only 1 student (accounting for 0.27%) was classified as having a fair level of understanding. Notably, no students were rated as having an excellent level of knowledge.

The statistics further reveal that only 2.4% of students have participated in first aid training, while a significant majority 93.4% expressed a desire to participate in training. Additionally, over 70% of students showed a preference for practical, hands-on experiences in learning first aid. In response to these findings, several measures have been proposed to enhance the awareness and first aid skills of students in the Faculty of Education at Ha Tinh University.



NGHIÊN CỨU THỰC TRẠNG VÀ NHU CẦU ĐÀO TẠO KỸ NĂNG SƠ CẤP CỨU CỦA SINH VIÊN KHOA SƯ PHẠM, TRƯỜNG ĐẠI HỌC HÀ TĨNH, NĂM 2024

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Tóm tắt

Nghiên cứu này được thực hiện nhằm khảo sát thực trạng và nhu cầu đào tạo kỹ năng sơ cấp cứu của sinh viên Khoa Sư phạm, Trường Đại học Hà Tĩnh. Từ tháng 12/2023 đến tháng 3/2024, chúng tôi đã khảo sát 376 sinh viên Khoa Sư phạm với phiếu câu hỏi hiểu biết về 4 kỹ năng cơ bản: hồi sức tim phổi (CPR), dị vật đường thở, gãy xương và cầm máu. Kết quả cho thấy có 347/376 sinh viên (chiếm 92,29%) mức độ hiểu biết xếp loại yếu; 28/376 sinh viên (chiếm 7,45%) xếp loại trung bình có; 1/376 sinh viên (chiếm 0,27%) đạt loại khá có và không có sinh viên nào được xếp loại xuất sắc. Thống kê số liệu cho thấy chỉ có 2,4% sinh viên đã được tham gia đào tạo sơ cấp cứu, có 93,4% sinh viên có mong muốn tham gia tập huấn và hơn 70% muốn tham gia dưới hình thức trải nghiệm thực hành thực tế. Chúng tôi cũng đã đề xuất các biện pháp nhằm nâng cao nhận thức và kỹ năng sơ cấp cứu cho sinh viên Khoa Sư phạm, Trường Đại học Hà Tĩnh.

1. Introduction

Currently, child injuries are on the rise, posing a significant public health concern not only in Vietnam but also in other developing countries. According to statistics from the World Health Organization, more than 900,000 children and adolescents under the age of 18 die from injuries globally each year, of which 90% are unintentional. Furthermore, 95% of child injury-related deaths occur in low- and middle-income countries. Besides fatalities, tens of millions of

children require medical care, and many suffer lifelong disabilities as a result of their injuries.

In Vietnam, statistics from the Department of Environmental Management show that each year, more than 370,000 children suffer injuries. Among these, children aged 0 to 4 years account for 19.5%, while those aged 5 to 14 make up 36.9%. Annually, approximately 6,600 children die from accidents and injuries, representing 35.5% of all child deaths nationwide. For every 100,000 children, 24 die from accidents and injuries (Ho Chi Minh City Children's Hospital, 2019). Injuries are a

threat to families, communities, and the country as a whole. In schools, emergency situations can occur unexpectedly, presenting significant risks to students.

This issue creates an urgent need for teachers, who must be equipped not only with teaching skills but also with the knowledge and abilities to quickly and accurately handle common emergencies to minimize physical harm to children. Therefore, improving first aid skills among teachers is essential. This study examines the current status and training needs regarding first aid skills among students in the Faculty of Education at Hà Tĩnh University. The findings will serve as a foundation for the university to develop specific policies to enhance students' knowledge and first aid skills.

2. Literature Review

First aid in education is a topic that has garnered significant attention from many researchers, particularly those abroad. In 2021, in Gondar city, Northwest Ethiopia, Belayneh Shetie Workneh and colleagues conducted a study titled "Determinants of knowledge, attitude, and practice towards first aid among kindergarten and elementary school teachers in Gondar city, Northwest Ethiopia" (Workneh, Mekonen, & Ali, 2021). In Saudi Arabia, Maher Alsulami conducted a similar study in 2023 on teachers' knowledge and attitudes toward first aid in the country (Alsulami, 2023).

In Vietnam, several studies have examined the current state of first aid knowledge and the needs of students in this area at various universities. For example, "The study aimed to assess the knowledge and first-aid training needs of first-year students at Yersin University of Da Lat in 2023" by Hoang Trung Tien, Nguyen Thi Hong Hanh, and Hoang Nguyen (2023); "Knowledge for first aid training among university students in Da Nang city" by Nguyen Thi Khanh Linh and colleagues (Nguyen, Le, Ho, & Thai, 2019); and "Knowledge, attitude, and demand of first aid training among students at Hue University of Vietnam" by Tran Minh Nhat and colleagues (Tran et al., 2017). These studies have provided insight into the current state of knowledge and skills among university students.

In 2022, the National Children's Hospital, in coordination with the Department of Physical Education at the Ministry of Education and Training and with technical support from the Campaign for Tobacco-Free Kids (Global Health Policy Advocacy Program, USA), developed the document "First Aid Guide for Common Injuries in Children and Students." This guide aims to provide basic first aid instructions for common injuries among children and students, with the goal of gradually organizing training to improve the skills of medical staff, administrators, and teachers in preschool and general education institutions (Ministry of Education and Training, 2022).

In summary, while there have been studies on first aid for students in Vietnam, most focus on the general knowledge and training needs of students and do not address the role of first aid for teachers in general education institutions. Furthermore, there has been no research on first aid knowledge and skills specifically for students in the Faculty of Education at Hà Tĩnh University. Therefore, research on the topic "Current Situation and Training Needs for First Aid Skills among Students in the Faculty of Education, Hà Tĩnh University" is an urgent issue.

3. Methods

- Analysis and synthesis method: This method was used throughout the implementation of the study, synthesizing all collected data, followed by analyzing and evaluating the current state of knowledge and needs of students majoring in Primary Education and Preschool Education regarding first aid training.

- Survey and statistical method: The survey was conducted via Google Forms using a questionnaire designed with input from experts. The survey was deployed in each class using a QR code, with a sample size of 376 student participants. Data were processed and conclusions drawn using Excel software.

- Expert method: Expert opinions were gathered from lecturers at the university and experienced

doctors to refine and supplement the survey form and to develop training materials.

The research was conducted from December 2023 to April 2024 at Hà Tĩnh University.

4. Results

4.1. Current status of first aid knowledge among students in the Faculty of Education

Based on the survey data collected, the research team categorized the first aid knowledge levels of students into four groups: Weak (0 - 4.9 points), Average (5 - 6.9 points), Fair (7 - 8.4 points), and Excellent (8.5 - 10 points).

Table 1. Results of student knowledge survey

Rating	Quantity	Ratio (%)
Weak	347	92.29
Medium	28	7.45
Rather	1	0.26
Good	0	0.00
Total	376	100.00

The survey results indicate that the majority of students have not yet mastered basic first aid knowledge and skills. Specifically, 92.29% of students are classified in the weak category, demonstrating a significant lack of proficiency in essential first aid techniques. Only 7.45% of students achieved an average level of knowledge, while a mere 0.26% were classified as having a fair level. Notably, no students reached an excellent level of proficiency.

This finding highlights a critical gap in preparedness for emergency situations and underscores the urgent need to equip students with essential first aid knowledge and skills. It is crucial for Ha Tinh university to prioritize targeted training programs to address these deficiencies, improve student competencies, and ensure they are better prepared to handle emergencies effectively.

4.2. Current status of first aid skills and training

4.2.1. Current status of students participating in first aid training courses

Table 2. Current status of participation in first aid training/training courses

Level	Quantity	Ratio (%)
Participated	9	2.4
Not yet joined	367	97.6

The data in Table 2 reveals that most students have not had access to first aid training courses, with 97.6% indicating they have not participated and only 2.4% having participated.

4.2.2. The importance of first aid skills for students

Table 3. Assessment of the importance of first aid skills for students

Level	Quantity	Ratio (%)
Very important	195	51.86
Important	133	35.37
Normal	48	12.77
Not important	0	0
Total	376	100.00

The data in Table 3 shows that most students recognize the importance of first aid skills for their future lives and careers. Specifically, 51.86% of students rated first aid skills as very important, 35.37% rated them as important, 12.77% rated them as somewhat important, and none rated them as unimportant.

4.2.3. Sources of access to first aid information for students

Table 4. Sources of first aid information for students

Source	Quantity	Ratio (%)
School, University, class	78	20.74
Local organization	95	25.27
Teachers and friends around	71	18.88
Search for information on newspapers and the internet	312	82.98
Medical staff	73	19.41
Other	7	1.86

The survey results indicate that the majority of students (82.98%) seek information about first aid from newspapers and the internet, which can expose them to unofficial and unverified sources.

The data also highlights a lack of attention and investment from Ha Tinh University in delivering first aid knowledge to students. This underscores the importance of providing students with reliable information and essential first aid skills.

4.2.4. *Difficulty in accessing information about first aid*

Table 5. Difficulties in accessing information on first aid

Problem	Quantity	Ratio (%)
Not interested	27	7.18
There is no First Aid training in schools or local areas.	171	45.48
Don't know where to find information	46	12.23
Too much information and not knowing how to filter it	235	62.5
No one around has knowledge and shares	72	19.15
Other	14	3.72

The data in Table 5 reveals several challenges students face in accessing first aid information. Among them, 7.18% of students are uninterested in seeking first aid information. Due to the lack of first aid training offered by the University and locally (45.48%), most students are unsure where to find information (12.23%), and 62.5% feel overwhelmed by the volume of information, making it difficult to select relevant resources. Additionally, 19.15% of students feel that no one in their circle has the knowledge to share, and 3.72% selected other options.

4.3. *The need for first aid training of students of the Faculty of Education*

4.3.1. *Students' desire to participate in first aid training*

Table 6. Students' need for first aid training

Level	Quantity	Ratio (%)
Very much desired	283	75.3
Desire	68	18.1
Normal	14	3.7
Unwanted	11	2.9

The survey results showed that 75.3% of students expressed a strong desire to participate in first aid training, 18.1% indicated a desire to participate, 3.7% felt neutral, and 2.9% did not wish to participate. These results indicate a highly positive and encouraging level of interest in first aid training among the majority of students. Students are genuinely self-motivated and willing to learn first aid skills within the student community. This interest and desire to participate provide a solid foundation for the university to organize training and coaching activities on first aid. Although only a small percentage (2.9%) of students lack interest or desire to participate, it remains essential to continue creating opportunities to raise their awareness of the importance of first aid skills, enabling them to participate when needed.

4.3.2. *Desired forms of primary participation*

Table 7. Preferred forms of student participation

Form	Quantity	Ratio (%)
Discuss and share experiences	42	11.2
Video lectures	43	11.4
Theory lecture	26	6.9
Real experience	265	70.5

The survey revealed that 11.2% of students preferred training in the form of discussions and experience sharing, 11.4% opted for video lectures, 6.9% were interested only in theoretical lectures, and as many as 70.5% expressed a desire to engage in practical experiences.

4.3.3. *Desired forms of training*

Table 8. Preferred forms of first aid training

Form	Quantity	Ratio (%)
Hoạt động ngoại khoá	197	52,39
Đưa vào làm môn học chính	267	71,01
Tổ chức cuộc thi về sơ cấp cứu	95	25,27
Tổ chức diễn tập	205	54,52
Khác	6	1,6

Students showed a preference for a variety of training formats. Among them, 52.29%

chose extracurricular activities, 71.01% favored including first aid skills as a main subject, 25.27% preferred first aid competitions, and 54.52% opted for organizing drills. The remaining 1.6% selected other options. Notably, the largest proportion of students chose to incorporate first aid skills as a main subject in the curriculum.

5. Conclusion

The research findings indicate that most students have not yet mastered the basic knowledge and skills of first aid. The percentage of students classified as “good” is minimal (0.27%), and none are classified as “excellent,” while over 92.29% are classified as “poor.” This underscores the significant knowledge gap in first aid among students of the Faculty of Education at Ha Tinh University.

The survey data reveals that only a small percentage of students (2.4%) have participated in first aid training. Additionally, the majority (82.98%) obtain first aid information from books, newspapers, the internet, and online resources. This suggests that students at the Faculty of Education lack access to formal training opportunities and have not received adequate attention or information on first aid, resulting in insufficient knowledge and skills. Notably, 93.4% of students expressed a desire to participate in first aid training, with over 70% preferring practical drills to enhance their knowledge and skills.

Based on these findings, several solutions are proposed to improve first aid knowledge and skills for students of the Faculty of Education at Ha Tinh University. The Faculty should collaborate with the university to include first aid (both theory and practice) as an elective course in the curriculum or integrate it into existing courses such as child physiology, nutrition and disease prevention, and skill development. Coordination with medical facilities is essential to organize programs and extracurricular activities, providing students with hands-on skill development opportunities. Additionally, the Faculty should work with the university and Library Center to offer resources and information to facilitate student self-study and independent research on first aid outside

of class hours. Organizing competitions and contests can also help to increase student interest and awareness of first aid knowledge and skills. Moreover, it is important to develop a plan for organizing practical drills, allowing students to practice and effectively handle emergencies.

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