

## 12TH ANNUAL HEALTH PROMOTION PROJECT EXHIBITION

"Harmony in Healthcare:
A Culture of Patient Safety"

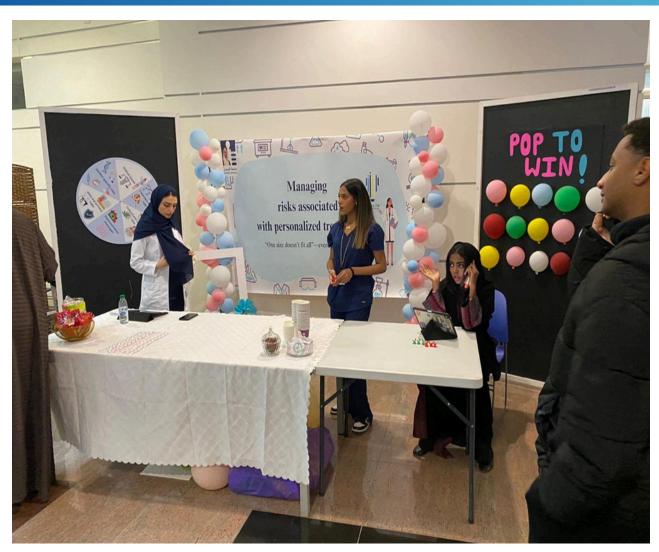
## **Gallery**













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### **Overview**

The 12th Annual Health Promotion Project (HPP) at Alfaisal University, organized by the Family and Community Medicine Department, was a landmark event emphasizing patient safety and preventive medicine. Themed "Harmony in Healthcare: A Culture of Patient Safety," the event highlighted the integration of safety practices in healthcare environments while engaging over 550 first-year medical students in research-driven learning and public health awareness.

This year's HPP exhibition was the largest to date, featuring 50 interactive booths where students presented innovative healthcare solutions to faculty, professional judges, and community members. The event also expanded its community outreach, inviting local high schools to enhance early health education and foster a culture of patient safety among younger generations.

Students participated in interactive presentations, showcasing topics such as antimicrobial stewardship, healthcare sustainability, 3D bioprinting, and Aldriven patient safety solutions. Each group had 10 minutes to present their research and answer judges' questions, ensuring a structured and engaging learning experience.

## Highlights:

- Family-Friendly & Public Engagement Open invitations to Alfaisal students' families and the general public.
- **Community Collaboration** Engagement through NCAA accreditation, faculty & alumni participation.
- **Social Advocacy** Addressing local healthcare challenges through theme-based discussions.
- **Charity & Volunteering** Opportunities for students to earn MOH-accredited points.
- Youth Engagement High school tours to educate and inspire future healthcare professionals.
- **National Collaboration** Renowned doctors and experts from across Saudi Arabia served as judges and mentors.
- Competitive Learning Environment Students participated in four judging categories:
- 1. Creative Booth Design
- 2. Best Content & Presentation
- 3. Most Challenging Topic
- 4. Outstanding Overall Booth
- **Impact Assessment** Online research survey to measure the HPP's influence on attendees and participants.
- Professional Networking Facilitated discussions between healthcare providers and students through a networking lunch.
- Awards & Recognition Winners were celebrated in a prestigious ceremony, honoring their contributions with certificates and distinguished prizes.

By combining **education**, **research**, **and community engagement**, HPP 2024 successfully reinforced **Alfaisal University's** commitment to shaping future **healthcare leaders and advancing patient safety in Saudi Arabia**.

### Who Are We?



The Health Promotion Project (HPP) is an initiative led by the Family & Community Medicine Department at Alfaisal University's College of Medicine, dedicated to fostering a culture of health education, research, and community engagement. The success of this year's event was made possible through the collaborative efforts of our faculty members, who worked diligently to bring the project to life. Under the leadership of Dr. Baraa Alghalyini, Vice Dean of the College of Medicine and Chair of the Department of Family and Community Medicine, our team includes: Dr. Amin Alswes, Prof. Helen Batty, Dr. Racha Khaled, Dr. Abdul Rehman Zia Zaidi, Dr. Rawan Alshaer, Teacher Assistant. Dr. Farah Almasri, Teacher Assistant. Dr. Aya Alazm, Teacher Assistant. Saphiya Banafa, Administration Assistant.

Together, we worked to advancing health promotion through research, innovation, and interactive learning experiences. Our mission is to empower future healthcare professionals with the skills and knowledge necessary to drive positive change in public health. Through the Health Promotion Project, we aim to bridge the gap between medical education and real-world health challenges, preparing students to be proactive in addressing public health concerns and advocating for patient-centered care.

# History of the Health Promotion Project

The HPP was initiated over a decade ago by the Family and Community Medicine Department as a pioneering initiative to integrate public health education, research, and community engagement into medical training. The project was designed to enhance first year medical students' understanding of preventive medicine while fostering essential skills in scientific communication, critical thinking, and interdisciplinary collaboration.

How It Started & Achievements: Initially, the Health Promotion Project (HPP) began as a small-scale event with 20-30 student groups, aimed at encouraging students to translate complex medical concepts into interactive and engaging public health messages. Over the years, the project has grown significantly, with participation expanding to over 550 students this year, forming 50 groups. As the event has evolved, it has gained recognition both locally and nationally, attracting professional judges, healthcare experts, and faculty from diverse disciplines. In addition local schools were invited to attend, allowing students to engage with the broader public and promote awareness of healthcare topics, emphasizing the importance of early health education, which has further enhanced its credibility and reach. This growth reflects Alfaisal University's commitment to innovation in medical education and community outreach.

### **Vision**

The **Health Promotion Project (HPP)** envisions a future where medical education seamlessly integrates public health advocacy, patient safety, and preventive care. We aim to empower future healthcare professionals to become leaders in research and community health, equipped with the knowledge and skills necessary to address global health challenges and improve the quality of life for individuals and communities.



In alignment with **Saudi Arabia's Vision 2030**, the HPP supports the nation's goals of **enhancing** healthcare systems, **promoting** sustainability, and **empowering** local communities through health education and innovation. By fostering a culture of preventive medicine and health promotion, the project contributes to building a **healthier**, more **resilient** society as part of the broader vision for a prosperous and sustainable future for **Saudi Arabia**.

### Goals

- Promote public health awareness through accessible information and for this year specifically it was to promote patient safety.
- Encourage community engagement.
- Introduce healthcare innovations, such as AI and sustainability.
- Enhance students research skills and critical thinking in healthcare solutions.
- Enhance collaboration and interdisciplinary learning.

## **Objectives**

01	Raise awareness about patient safety in healthcare.
02	Engage the community and local schools to increase health education
03 —	Expose students to newest healthcare technologies and practices
04 ———	Promote team work & interdisciplinary collaboration in solving health challenges
05	- Align with Saudi Vision 2030 to improve public health and empower communities
06 —	Develop student's research skills through literature reviews and actionable solutions

## Roadmap

The 12th Annual HPP Exhibition was a resounding success, reinforcing Alfaisal University's commitment to patient safety and health education. By integrating community engagement, this initiative continues to prepare students to become leaders in global healthcare transformation.

### The Process

#### Who?

Project Group:

- Alfaisal Students
- All COM 116 students
- Alfaisal Faculties
- Schools' Students visitors and interested guests

#### When?

28 Nov 2024

#### How?

Students choose a topic: More than 550 students will work throughout the fall semester in groups of (8-10) on the topic they chose

#### Where?

Alfaisal ground floor

#### Themes?

- Basic Patient Safety Principles
- Safety Culture and Incident Reporting
- Emergency Preparedness and Ergonomics
- Surgical and Specialized Care
- Technology and Maternal Care
- Communication and Workforce Safety
- Infection Control and Systems Innovation
- Medication Safety Across Settings
- Diagnostic Errors and Patient Engagement

## **Zones and Distribution**

Zone	Theme		Topic
		١	Introduction to the Swiss Cheese Model of Error
		۲	The Seven Steps to Patient Safety
Α	Basic Patient Safety Principles	٣	Understanding and Utilizing Patient Safety Indicators for Quality Improvement
	Sarcty i finicipies	٤	Choosing Wisely - Management/Treatment
		0	Drug-drug interactions and polypharmacy in elderly patients
		٦	Choosing Wisely - Diagnostic
		٧	Strategies for reducing diagnostic errors in primary care
		٨	Patient engagement and empowerment
В	Safety Culture and Incident	٩	Preventing medication errors in pediatric patients
	Reporting	١.	Inequalities in Patient Safety
		11	Safe disposal of medications to prevent misuse
		17	Patient safety in home health care

## **Zones and Distribution**

Zone	Theme		Topic
		١٣	Ergonomics and Workplace Design and Its Impact on Patient Safety
	Emergency Preparedness and Ergonomics	١٤	Safe management of patients during power outages
C Pi		10	Fall Prevention - Implementing Universal Fall Precautions in Hospitals
	G	١٦	Personalized Care or Universal Solutions: Navigating the Healthcare Debate
		١٧	Improving communication in the operating room
		١٨	Implementing the WHO Surgical Safety Checklist
		19	Preventing Retained Surgical Items
D	Surgical and Specialized Care	۲.	Managing risks in ambulatory surgery
		۲۱	Patient Safety in Robotic Surgery
		77	Pre-hospital safety

## Zones and Distribution: Zones and Distribution:

Zone	Theme		Topic
	Technology and Maternal Care	74	AI in patient safety
		7 &	Wearable technology and patient saftey
E		۲٥	Safety Considerations in 3D-Printed Medical Devices and Implants
		77	Maternal safety during childbirth
		**	Climate Change & Pt Safety
		۲۸	Enhancing neonatal safety in intensive care units
	Communicat ion and Workforce Safety	49	Preventing suicide in healthcare settings
		٣٠	Improving communication with patients with cognitive impairments
F		٣١	Effective communication in emergency situations
		٣٢	Improving handoff communication between healthcare providers
		٣٣	Preventing burnout among healthcare workers to improve patient safety
		٣٤	Managing fatigue in healthcare professionals

## Zones and Distribution: Zones and Distribution:

Zone	Theme		Topic
	Infection Control and Systems	٣٥	Patient Safety in Emergency Medical Services
G		47	Pandemic preparedness and patient safety considerations
		**	Managing and preventing Clostridioides difficile infections
	Innovation	٣٨	Reducing surgical site infections
		49	Sterilization of Medical Equipment
		٤٠	Improving medication safety in psychiatric care
	Medication Safety Across Settings	٤١	Safe use of high-alert medications
		٤٢	Educating patients on safe medicine storage
Н		٤٣	Safe medication practices in obstetrics
		٤٤	Patient safety in genomic Medicine
		٤٥	Antimicrobial stewardship program and its role in patient

## Zones and Distribution: Zones and Distribution:

Zone	Theme		Topic
Zone	Diagnostic	٤٦	Reducing diagnostic errors in the emergency department  Role of artificial intelligence in reducing diagnostic errors
I	Errors and Patient Engagement	٤٨	Improving patient adherence to medication regimens
		٤٩	Engaging Families in Patient Safety Initiatives
		0 *	Integrating patient safety into the medical curriculum

#### Walk-in Research Clinics

Under the guidance of **Dr. Abdul Rehman Zia Zaidi**, the Department of Family & Community Medicine implemented a comprehensive mentorship program through weekly Thursday walk-in research clinics. These sessions served as a vital resource for first-year medical students participating in the Health Promotion Project, providing structured yet flexible support throughout their research journey.

#### Structure and Accessibility

### Weekly Thursday sessions with dedicated 15-minute time slots for each group:

- Structured appointment system to ensure fair and efficient distribution of mentorship time
- On-call email support system for urgent queries and literature review guidance
- Open-door policy allowing students to seek additional guidance at critical points
- Flexible scheduling to accommodate different student groups
- One-on-one mentoring opportunities
- Group consultation sessions

#### Communication Channels

#### **Communication Channels:**

- Regular email correspondence for literature review support
- Quick-response system for urgent booth-related queries
- Digital feedback on presentation materials
- Virtual and in-person consultations when needed
- Ongoing support through multiple communication platforms
- Moodle Assignments Feedback
- Mentorship Approach
- Dr. Zaidi's mentorship methodology followed a systematic, studentcentered approach:
- Initial Project Development
- Guided students in selecting appropriate patient safety topics
- Helped refine research questions and objectives
- Assisted in developing project timelines
- Provided direction on research methodology

#### Structure and Accessibility

- Taught effective literature search strategies
- Guided students through database navigation
- Assisted in evaluating research article quality
- Helped synthesize evidence-based information
- Supported proper citation and referencing
- Provided ongoing email support for literature review refinement
- Offered rapid feedback on research article selections

#### Communication Channels

#### **Time Management and Support Structure**

- The mentorship program implemented a robust time management system:
- Structured 15-minute consultation slots with pre-session preparation requirements
- Follow-up email correspondence for ongoing support
- Emergency consultation slots for critical issues
- Extended support through:
- Literature review support beyond scheduled sessions
- Rapid response system for time-sensitive questions
- Virtual consultation options for urgent matters

#### Content Development

- Guided transformation of complex medical concepts into accessible public health
- messages
- Assisted in developing culturally appropriate educational materials
- Supported creation of interactive booth elements
- Demonstrated to students how to structure scientific poster presentations for the future
- using their literature reviews
- Reviewed and refined presentation materials

#### Communication Channels

#### **Interactive Learning:**

- Facilitated problem-solving sessions
- Conducted mock presentations in the walk-in clinics
- Provided feedback on booth designs
- Offered guidance on public engagement strategies
- Supported development of interactive educational activities

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## Day of the Event

#### • Event Participation & Engagement:

Annual Health Promotion Project (HPP) began at the start of the Fall 2024 semester, led by the Family and Community Medicine Department to ensure a structured and impactful experience for students. Inspired by advancements in health promotion and primary healthcare, the event focused on artificial intelligence (AI), sustainability, health equity, and patient safety—reflecting the growing integration of research-driven strategies in modern healthcare.

Under the theme "Harmony in Healthcare: A Culture of Patient Safety," the project explored critical topics such as:

- Medication errors and prevention strategies
- Enhancing communication for patient safety
- Al's role in reducing medical risks
- Climate change and its impact on patient safety
- Suicide prevention in healthcare settings in Saudi Arabia

To bring these themes to life, **550+ students** were divided into **50 groups**, each focusing on a **specific area of patient safety**. Their work involved **comprehensive literature reviews**, identifying research gaps, and proposing **innovative healthcare solutions**. Each group developed **mini-research posters** and interactive booths to engage the public in meaningful discussions.

## Day of the Event

The **exhibition day** was a culmination of months of research, where students showcased their findings through **presentations**, handson demonstrations, and discussions with faculty, healthcare professionals, and judges. The event emphasized evidence-based medicine, public health advocacy, and interdisciplinary collaboration, equipping students with critical research and communication skills essential for future healthcare leaders.

#### • Key Features of the Booths:

- Interactive models, digital presentations, and live demonstrations
- Posters and brochures summarizing key health messages
- Engaging discussions with faculty members and professional judges
- Hands-on activities to enhance audience participation.

The booths were set up in a structured layout, allowing smooth movement of attendees, including students, faculty, and invited guests. The event provided a real-world simulation of how medical professionals engage in community health promotion.

### **Invitation Flyer**



#### 12TH ANNUAL HEALTH PROMOTION PROJECT EXHIBITION





#### What to Expect



Interactive Learning – Explore healthcare safety through engaging, hands-on activities by students.



**Hands-On Activities** – Participate in interactive games and simulations.



**Valuable Insights** – Learn key patient and healthcare safety practices.



Networking Opportunities – Connect with professionals, students, and the healthcare community.

#### KEY HIGHLIGHTS

50+ Student-led Booths

Fun, Interactive Learning

**Expert Insights** 



DATE

November 28 2024



8:00AM-6:00PM



**LOCATION**Ground floor,

Alfaisal University



hpp@alfaisal.edu

**Our Supporters** 







### Media

#### **Exhibition link:**

#### Promo HPP 12th Full interviews v2.mp4

Interview and closing remarks with Dr. Baraa Alghalyini, Vice dean of college of medicine and the Chair of Family & Community Medicine Department at Alfaisal University speaking about the 12th Health Promotion Project.

#### **Arab News:**

The significance of this year's exhibition was further reinforced by **Arab News**, which highlighted the innovative approaches our students brought to patient safety education. The event was also enriched by the participation of four esteemed **community partners**: **Tadawi, STF, Waey, and the Saudi Center for Patient Safety**, further strengthening the event's impact.

# Post Event Feedback & Testimonials

Dear Dr. Baraa,

I hope you had a restful weekend!

Saying you and your team are amazing is an understatement! It warms my heart to see your continuous dedication in empowering our students. Your efforts in guiding them to develop their personalities and working as one team is truly inspiring. Your impact was evident in HPP Exhibition where they carried confidence, creativity and skills in presenting their work!

Big enormous congratulations on the success of the HPP event! We all are proud of you and your team ,and DEFIENTELY, we are very proud of OUR STUDENTS.

Take care and have a wonderful start of the week.

Warmest Regards,

...

Dear Dr. Baraa

Once again I was amazed by the success and motivation of our students. The variety of topics and their performance was beyond what was expected of year 1 students. All were so enthusiastic and eager to explain all their work in details that is was impossible to skip even one booth once I just showed some interest.

I believe this is one of the major events and traditions that we should be proud of as Alfaisal faculty. Needless to say, what motivated the students and brought this success was the dedication of you and your team.

Congratulations to you, your team and our students!

Best regards



#### Dr. A. Sabri KEMAHLI, M.D. Professor of Pediatrics (Ped. Hematology) Director, Clinical Clerkships College of Medicine



FAITH • KNOWLEDGE • PERFORMANCE

#### Dear Dr Baraa

I wholeheartedly echo the sentiments of my colleagues. This year's Health Promotion exhibition was truly exceptional - the largest and most impressive I've seen. I had the opportunity to explore numerous stalls, each showcasing remarkable innovation and dedication to health and wellness. It's evident that significant effort and meticulous planning went into making this event a resounding success. I extend my sincere congratulations to you and your team for a job well done. I'm eager to see how this event continues to evolve and grow in the future. Congratulations to you and your team for a job well done.

Thank you and best wishes



Dr. Muhammad Raihan Sajid

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# Post Event Feedback & Testimonials

Dear Baraa,

I can't thank you enough for your support and caring. I am so blessed and grateful to work with you. May God reward you with the best and keep you and your family prosperous and healthy!!





# Post Event Feedback & Testimonials

Dear Professors Abdulkareem & Paul,

I would like to express my sincere gratitude for the insightful feedback you provided regarding the Health Promotion Project (HPP) Exhibition. Your thoughtful comments and acknowledgment truly reflect the collaborative effort we have invested in each HPP over the years, particularly this year as we celebrated its 12th edition. Although we have experimented with different versions of this project—besides the exhibition, such as the HPP awareness YouTube videos in 2016 and the book chapters on Sustainable Development Goals (SDG) and Social Determinants of Health in 2023—the students consistently look forward to this exhibition as a valuable experiential learning and community engagement opportunity. It is not uncommon to see last year's students visiting this year's exhibition, often with sad expressions, wondering why they were not given the same opportunity!

I am incredibly proud of the dedication and creativity demonstrated by our team throughout this project. Their commitment to excellence was evident, and it was truly a pleasure to work alongside such talented faculty, TAs and volunteers. Their commitment in planning for the 12<sup>th</sup> HPP started even before the beginning of the semester and included: choosing this year's theme, supervising over 550 year students, creating and managing 54 display booths, inviting 18 external judges and 10 supporters, and many other academic and logistics tasks. My words won't be enough to express my gratitude to the amazing faculty members of the Department of Family and Community medicine Drs. @Racha Kamal Khaled, @Abdul Rehman Zia Zaidi, @Helen Patricia Batty and the incredibly hardworking TAs @Rawan Elshaer @Farah Talaat Almasri @Aya Abdulnasser Alfardous Alazm . As well as well-trained and passionate volunteers and their leaders, Ahmed, Wael, and Marwan.

This event wouldn't be possible without the ongoing support of our respected Dean Prof. Khaled @Khaled Al-Kattan and Alfaisal senior leadership.

I would like to take this opportunity to thank all the faculty members who attended the HPP exhibition and supported our students: Dr. Atef Shibl, Dr. Ghada, Dr. Raed, Dr. Abdulahad, Dr. Hana Abdulla, Dr. Sabri, Dr. Faisal, Dr. Sajid, Dr. Abdul Jabar, Dr. Santoush and all other colleagues who were present but I was unable to meet with them during the exhibition.

Lastly, I want to acknowledge our champions: "the students" who did a fantastic job completing their team charters on time, uploading their assignments, attending the HPP walk-in clinics, creatively designing their booths, collaborating effectively with their leaders on team dynamics, impressing the judges, and, of course, making us proud.

Prof. Abdulkareem and Prof. Paul, thank you once again for taking the time to share your thoughts. It is appreciated more than you know!

Best regards,

Dear Dr. Baraa.

Last Thursday, we all witnessed how the Health Promotion exhibition brought out the best in our students, showcased their skills and talents so effectively, and it was truly inspiring. Congratulations to Dr. Baraa and her team for the remarkable success of the event.

Walking through the various booths, I was thoroughly impressed by the students' creativity, knowledge, and dedication. It was a testament to your hard work and guidance, which empowered the students to excel and shine on such an important platform. This achievement reflects your exceptional efforts to create opportunities for meaningful learning experiences.

Congratulations once again on this incredible success!

I look forward to seeing many more initiatives that inspire, educate, and empower.

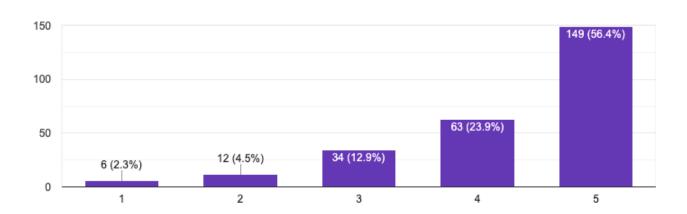
Hana Abdalla

## **Post-Event Survey**

1. This project helped me learn how to search for medical/scientific literature on

264 responses

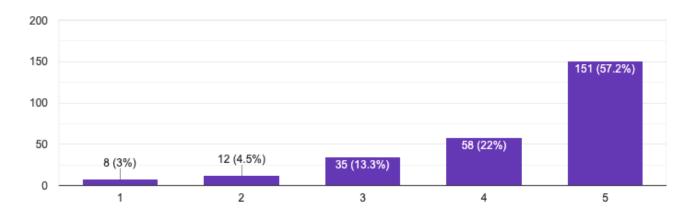
patient safety topics



2. This project helped me understand how to appraise research articles in medical journals related to patient safety

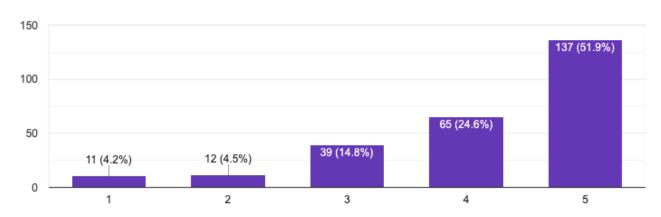
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264 responses



3. This project helped me understand how to conduct a comprehensive literature Copy chart review

264 responses

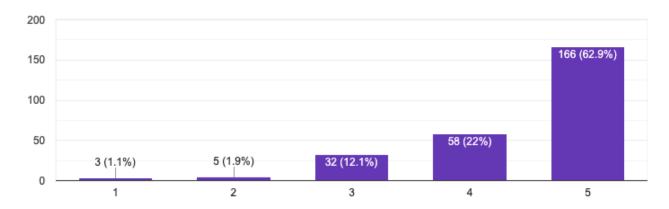


### **Post-Event Survey**

4. This project helped me acquire skills to practice evidence-based medicine in patient safety

Copy chart

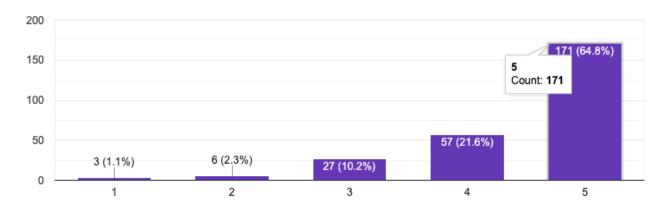
264 responses



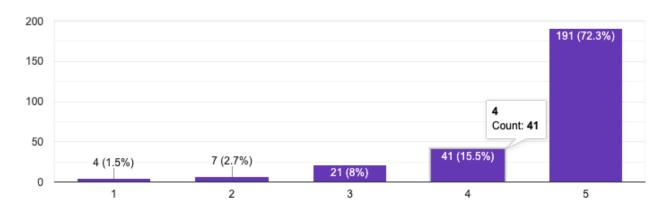
9. This project helped me understand how to evaluate public knowledge and attitudes about patient safety

Copy chart

264 responses



4. This project helped me develop my presentation skills for patient safety topics Copy chart 264 responses

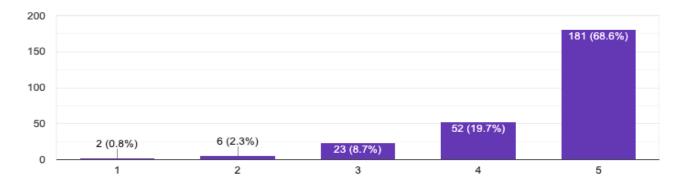


## **Post-Event Survey**

12. This project helped me create culturally appropriate safety messages



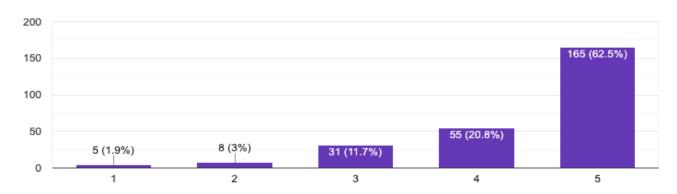
264 responses



12. The research modules enhanced my understanding of patient safety literature



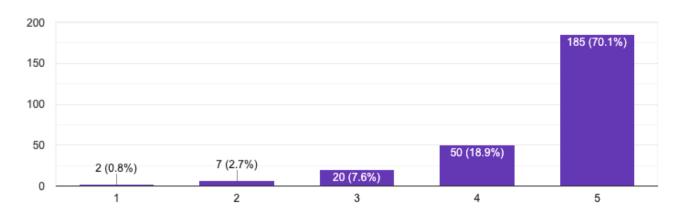
264 responses



7. This project helped me stimulate my creativity to develop attractive and appealing designs for patient safety education



264 responses





The awarding ceremony for the 12th Annual Health Promotion

Project (HPP) took place on January 7, 2025. The event honored the exceptional efforts of all participating students, recognizing their dedication to promoting patient safety and healthcare innovation. His Excellency Prof. Alhayaza was the sole attendee, representing Alfaisal University's leadership in acknowledging the hard work and contributions of the students. The winners of the competition were celebrated for their outstanding research, booth presentations, and innovative approaches to healthcare challenges.



#### **Winners Categories**



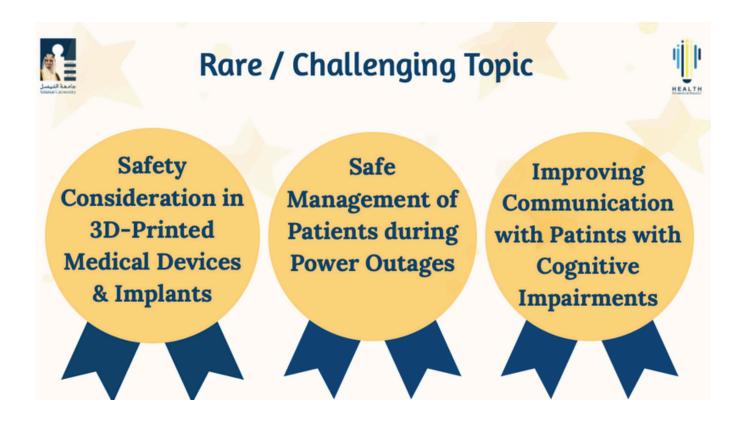














## Thank you