



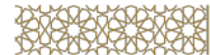
جامعة الخليج الطبية  
**GULF MEDICAL UNIVERSITY**  
ACADEMIC HEALTH CENTER

# Sustainable Development Goals



**SDG 4:  
QUALITY  
EDUCATION**

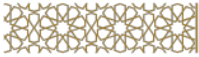




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## SDG 4 - Quality Education

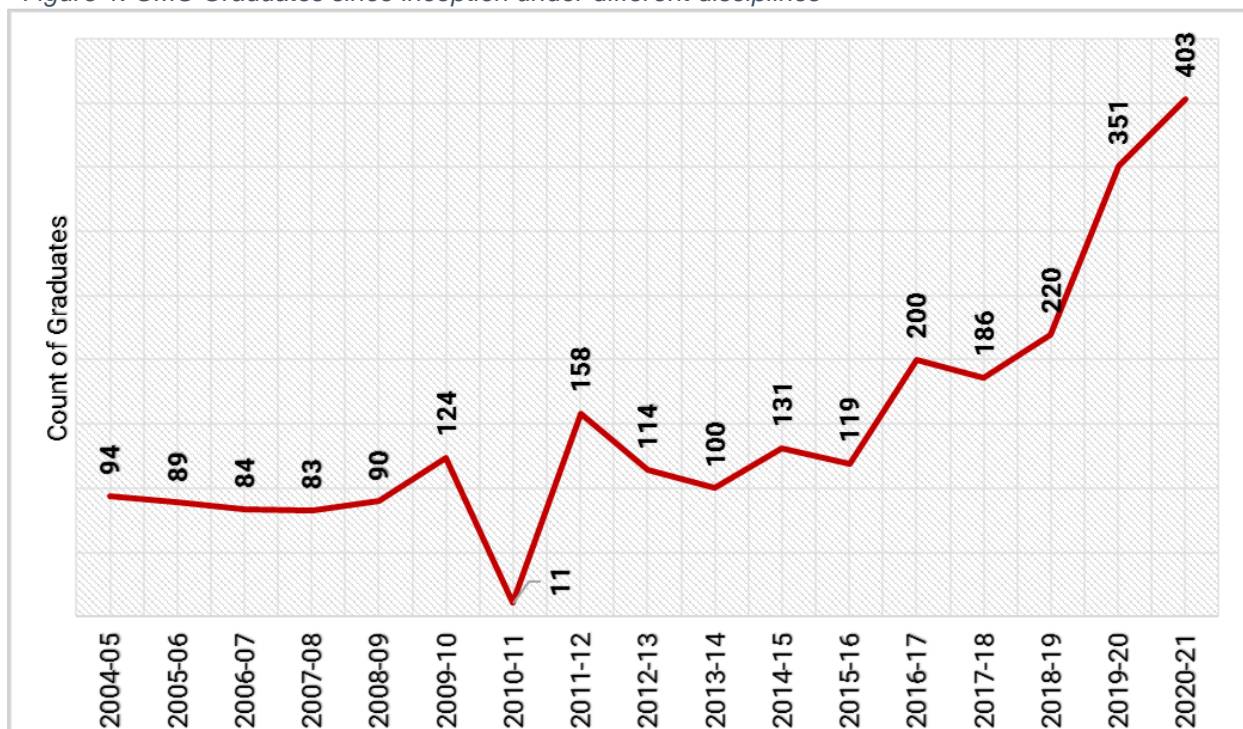
GMU is committed to continuously improve its contribution to SDG 4: Quality Education. It is reflected in its vision, mission, and mandate ([Link](#)). GMU has been progressing its endeavours for achieving SDG 4 including:

- Online certificate course on Covid Sciences
- First Aid awareness course
- Training of Moscow physicians
- Motherhood Awareness program
- Courses offered by Centre for Advanced Simulation in healthcare.
- Future Scientist program
- Simulation Week
- Community outreach events

### Graduates of Gulf Medical University

GMU has produced graduates under different disciplines of healthcare. Our graduates are working nationally and internationally to address the needs and serve the healthcare community.

Figure 1: GMU Graduates since inception under different disciplines



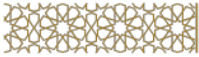


Figure 2: GMU Graduates during 2020-21 (N=403)

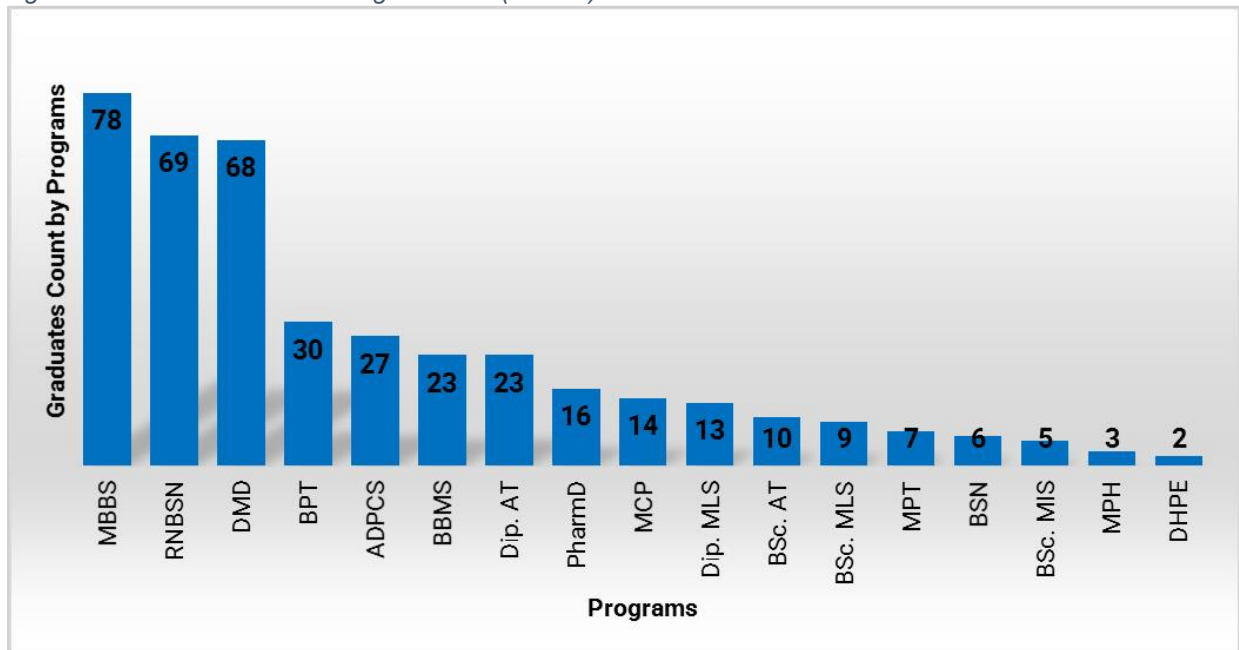
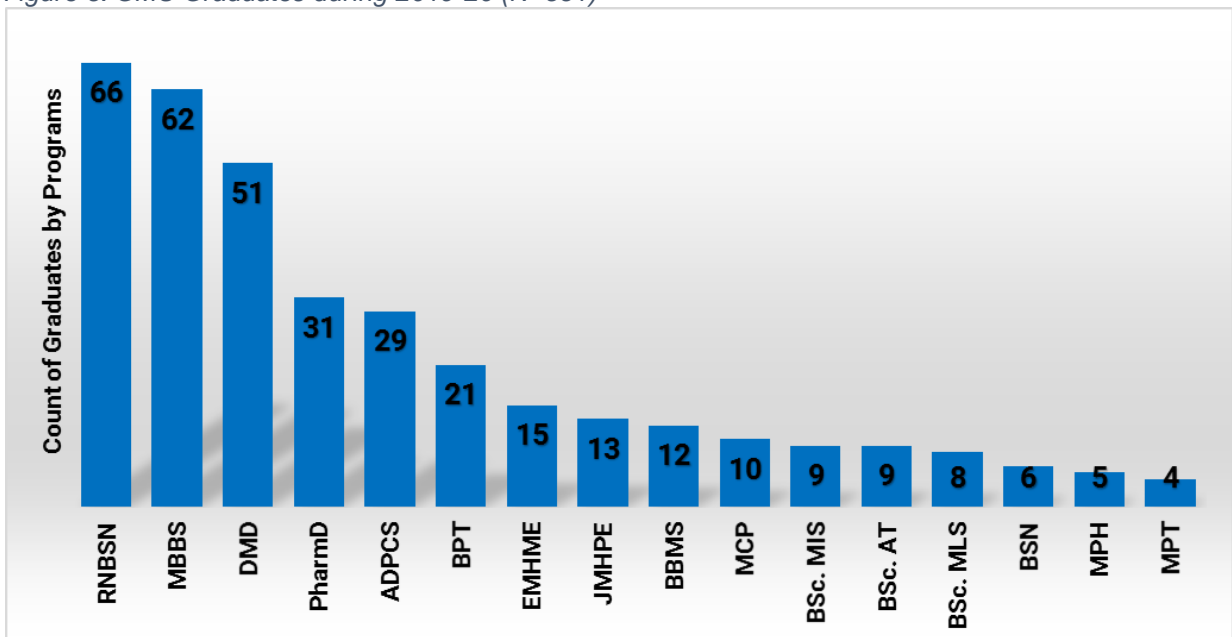
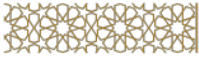


Figure 3: GMU Graduates during 2019-20 (N=351)



GMU has produced 2557-health professionals since its inception who are serving the healthcare sector locally as well as internationally.





## GMU Online Course of COVID Sciences

GMU has developed a COVID Science program “Defeat COVID 19, be a champion”. All information given in the program is based on current evidence by WHO, CDC and other reliable sources. The course provides facts, symptoms, prevention and myths and recommendations for the use of personal protective measures to combat coronavirus to any person who wants to be a champion to defeat coronavirus.

Link to attend the course: [LINK](#)

A total of 21000 plus people from different nations across the globe have completed the GMU COVID Science course and 21772 have received the COVID-19 Champion Certificate.

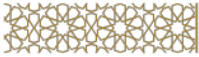


Figure: GMU-COVID Science program attendees from different nations of the Globe



In support of the UAE government’s fight against Covid-19, the GMU in collaboration with its Academic Healthcare system has conducted several educational and healthcare awareness programs during the last 10 months benefiting more than 100,000 professionals and the general public ([Link](#)).

At the community level, Thumbay Group has organized more than 40 online awareness programs by constituent colleges of the university benefiting over 27,000-health professionals and the general public. Topics included Diagnostics, Biosafety, PCR Testing,



Infection Control and Prevention, Clinical care of a severe acute respiratory infection, Post Covid Implication in Healthcare Settings, Communication, social media and Covid-19 and correct usage of personal protective equipment. Besides these, they were taught about care for the Covid patient, Infection Prevention and Control for Nurses, Role of Physical therapy in Covid19 and Respiratory care for physiotherapists ([Link](#))

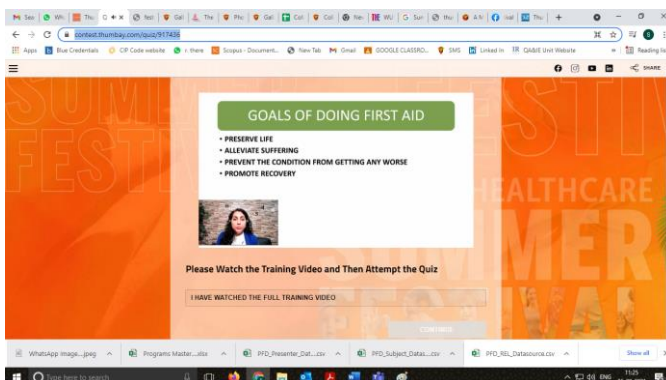
Open and effective communication is at the center of GMU academic health system efforts in creating awareness and preparedness against the COVID-19 threat. The staff and patients and their families are regularly instructed on the importance of sanitization, hand-washing techniques, social distancing, and other precautionary measures.

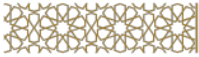
### GMU COVID Science Programs

GMU conducted several Covid science certificate programs ([Link](#), [Link](#)). Healthcare professionals such as doctors, clinicians, lab professionals from GMU academic health system and other healthcare institutions gave presentations on different topics related to Covid symptoms, prevention and treatments. Certificates were awarded to those who successfully completed the course ([Link](#), [Link](#)).

### GMU First Aid Awareness Course

An online first-aid course ([Link](#)) was offered by GMU's Centre for Advanced Simulation in Healthcare. The course was available to the entire community through the website ([Link](#)). Participants can download the certificate of completion of the course after completing the course.





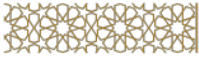
## GMU Conducted Flu and COVID-19 Vaccination Workshop in Collaboration with Washington State University

In 2020, the College of Pharmacy conducted a workshop on Flu vaccination with the College of Nursing for Pharmacy students. The workshop expanded to include nursing students for interprofessional education. The objective was to systematically train the



students with the required knowledge and skill in enabling them as independent vaccination providers. The competencies of the students were assessed using a team-based learning approach, after iRAT (Influenza Risk Assessment Tool) and tRAT, the students performed injections as the final application step. The workshop was conducted in collaboration with Washington State University (WSU). Dr. Kimberly McKeirnan from WSU, Dr. Baljinder Sing from Thumbay University Hospital and Ms. Sija Binoy from GMU College of Nursing presented their sessions on Flu and COVID-19 vaccination. Faculty from the GMU Colleges of Pharmacy and Nursing managed team-based learning, examination, hands-on training, and practical assessment. The workshop on Flu and COVID-19 Vaccination was conducted again in April 2021 for Pharmacy and Nursing students ([Link](#)).





## Senior Moscow Physicians Trained at Gulf Medical University in Medical Education

Gulf Medical University conducted a Series of Training and Workshops for the Health Professionals of Center for Accreditation and professional development in the Field of Healthcare, Moscow at Gulf Medical University.

This Special course on competency in Medical Education conducted by Prof. Hossam Hamdy is a Unique one that will enhance the Evaluation and Assessments techniques in medical education which will help them to assess medical professionals & Students and implement the same in their own country ([Link](#))

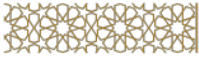


## Motherhood Awareness Program Conducted by Department of Anesthesia Technology of CoHS of GMU

Students and faculty of the Department of Anaesthesia Technology of CoHS conducted a community awareness program “Motherhood Awareness program” and educated pregnant women about pregnancy pain, the role of different types of anesthesia used during child delivery who visited OPD of OBG department, Thumbay University Hospital on 11 and 12 April 2021 ([Link](#))







### Short Courses Offered by the GMU'S Center for Advanced Simulation in Healthcare

The Institute of Health Workforce Development builds on and expand the existing “Centre for Advanced Simulation in Healthcare (CASH)”, “Centre for Continuing Education and Community Outreach (CCE&CO)”, “Centre for Health Professions Education and Research (CHPER)”, “BA Centre for Online Health Professions Education and Training”, “Centre for Interprofessional Education, Research and Practice (IPERP)” and “Centre for Humanitarian Education”. Its main goal is to respond to national, regional and international shortages and the need for a competent health workforce, “Doctors, Pharmacist, Dentist, Nurses, Paramedics and All Allied Health”. The Institute and its centers' design, develop and offer tailored healthcare programs to meet the needs of the healthcare professions market.



## CENTER FOR ADVANCED SIMULATION IN HEALTHCARE (CASH) ACCREDITATIONS AND MEMBERSHIPS

National Association of Emergency Medical Technicians (NAEMT) Accredited training Site which offers Prehospital Trauma Life Support (PHTLS).

American Heart Association (AHA)-Accredited life support training center which offers Basic Life Support (BLS) & Advanced Cardiac Life Support (ACLS) courses

Officially declared as an International center to run MRCPUK PACES (Membership of the Royal Colleges of Physicians of the United Kingdom- Practical Assessment of Clinical Examination Skills) examination twice annually.

Member of simulation related professional bodies like SESAM (Society in Europe for Simulation Applied to Medicine), ASPE (Association of standardized patient education)

## THUMBAY INSTITUTE OF HEALTH WORKFORCE DEVELOPMENT – COURSES OFFERED

### MOHAP ACCREDITED WORKSHOPS/COURSES

- Basic Airway Management Skills Workshop
- Basic Orthopedic Skills Workshop
- Comprehensive Workshop on Fundamentals of EKG
- Principles of Infection Control
- Intravenous and Intra-osseous Therapy Training
- Emergency Oxygen Provider Training

### INTERMEDIATE WORKSHOPS/COURSES

- ACLS Preparatory Course

### ADVANCED WORKSHOPS

- Intensive Workshop on Clinical EKG

### NAEMT AUTHORIZED TRAINING COURSE:

- Prehospital trauma life Support (PHTLS)

### AHA AUTHORIZED LIFE SUPPORT TRAINING COURSES

- Family and Friends First Aid CPR Course
- Heart saver First Aid CPR AED Course
- Heart saver Pediatric First aid CPR AED Course
- Basic Life Support (BLS) Course
- BLS Instructor course • ACLS Provider Course
- PALS Provider Course

### SHORT COURSES:

- Certificate Course in Medical Coding
- Certificate Course in Medical Insurance Billing
- Certificate Course in Medical Terminology
- Certificate Course in Basic Arabic for Health Professionals
- Certificate Course in Research Methodology & Biostatistics
- IELTS Preparation Training Course
- Certificate Course in Introduction to Health Professionals Careers





### BLS Training Workshop



### Health Profession Education Seminar



### Workshop on Basic Skills



### Healthcare Support Volunteers Program



Figure 4: Short terms courses and workshops organized by CASH, Thumbay Institute of Health Workforce Development and GMU colleges







The Centre for Advanced Simulation in Healthcare (CASH) at Gulf Medical University is a multidisciplinary educational facility that provides high-tech simulated and virtually created hospital setup for clinical and communication skills teaching and training for all health care professionals. The GMU Simulation Centre offers Training Programs & RCPE Online Courses to doctors, nurses and other health professionals. CASH is a member of simulation-related professional bodies like SESAM, ASPE, ASSH, SSH.

**It offers the following courses:**

- Short terms courses
- AHA accredited Courses
- MOHAP accredited Courses/Workshops
- NAEMT accredited Courses
- MRCPUK Examinations

**The centre provides facilities and services in:**

**Clinical Simulation**

- In-Patient Simulation
- General Ward
- Intensive Care Simulation (ICU & NICU)
- Delivery Suite (Triage and First Stage)
- OT Simulation
- Therapeutic Simulation: GMC Pharmacy
- Outpatient Simulation: OPDs (Medical, Surgical, OBG, Pediatrics)
- Diagnostic Simulation: GMC Diagnostic Laboratory and Imaging

**Clinical Skills Training**

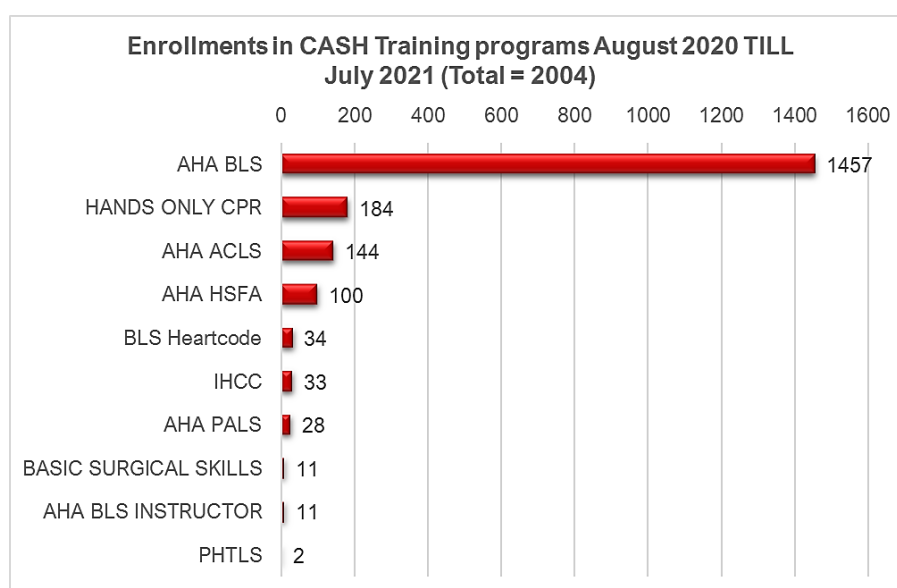
- Communication Skills
- History taking skills
- Examination Skills
- Interpretation Skills (Clinical and Diagnostic)
- Patient Management Skills
- First Aid Skills
- Nursing Skills
- Life Support Training (Basic, Advanced and Paediatric)
- Prehospital Trauma Life Support (PHTLS) Training







Figure 5: Enrolments in CASH Training programs August 2020 TILL July 2021 (Total= 2004)



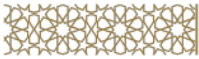
## Building the Future of Research - Future Scientist Program of GMU

Our project with GEMS Schools 'The Future Scientists of UAE' has proven to be a great success. The students are highly motivated and excited that they are learning in a state-of-the-art research facility. Learning how to think like their mentors – the researchers. ([Link](#))

A total of 19-highschool students joined the Future Scientist program this year starting from September 2020. Students had the opportunity to work alongside researchers from the Thumbay Research Institute for Precision Medicine (TRIPM), in addition to mentors from the colleges of Dentistry and Pharmacy that also contributed to this training. Students were updated on the latest laboratory tools used in the field of biomedical research as it pertains to cancer biology and pharmaceuticals.

List of 2018 batch students who successfully completed the Future Scientist Program of GMU - [Link](#)

List of 2019 batch students enrolled in the Future Scientist Program of GMU - [Link](#)



### GMU Celebrated Simulation Week

As part of the Global Simulation Week Celebration 2021, The Centre for Advanced Simulation in Healthcare (CASH) at Gulf Medical University Celebrated Simulation week on 14th September 2021. The event was organized free for all participants and was full of simulation-based activities. The centre provided simulators for surgeons, interventional cardiologists, obstetricians/gynaecologists, nurses, and other healthcare professionals. "Healthcare Simulation enables the training of tomorrow's practitioners without putting today's patients at risk." It has a significant role when tasks are infrequent and complex, relatively new or evolving, and when consequences of substandard performance can be life-threatening. The event was organized to pay tribute to Simulation professionals and Simulator manufacturers who caused evolutionary changes in medical education.



## GMU Collaboration with Community - Student Participation in Community Outreach Program

We encourage our students to participate in community outreach projects under the supervision of our faculty members. As part of the commitment to society, faculty along with undergraduate and postgraduate students conduct health campaigns and many outreach educational activities every year. The university has a dedicated community engagement committee, in which 2-members are nominated from the local community to facilitate us in better understanding the community needs and assessing its impact.

The students took the initiative to care for patients who were transferred into the long-term care from the MOH and other patients along with the faculty for 2 months and helped in streamlining nursing care in the early days of functioning of the TUH. The services provided by the students was recognized and well appreciated by Gulf Medical University and Thumbay University Hospital and acknowledged with a certificate of appreciation ([Link](#))





Figure 6: Appreciation Certificates Awarded to Students for Voluntary Services During Covid-19 Pandemic



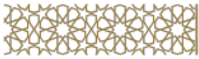
World Diabetes Day (WDD) was created in 1991 by the International Diabetes Federation (IDF) and the World Health Organization (WHO) in response to growing concerns about the escalating health threat posed by Diabetes. WDD is the World's largest Diabetes awareness campaign having a global reach of over one billion



people in more than 160 countries. The campaign draws attention to issues important to the Diabetes world and keeps diabetes firmly in the public and political spotlight.

Keeping in mind the theme of the year, the College of Nursing, GMU and Thumbay University Hospital (TUH) jointly celebrated the day in the OPD area of TUH. The Semester 5, Year 3 Nursing students prepared a Diabetic diet plan catering to the demography of the population commonly seen in the Hospital. Indian, Sri Lankan and Arabic diet plans were prepared and the OPD patients were provided information on the vital role of a healthy meal plan in maintaining blood glucose level and body weight. Body Mass Index (BMI) was also calculated for all the audience visiting the exhibition area. BMI calculation





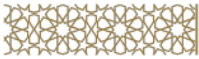
is a screening tool to determine the risk for developing lifestyle health risks like Diabetes and other Non-communicable diseases ([Link](#))

Gulf Medical University organized a Community Engagement Activity 'COPD Awareness' keeping in the mind the increasing number of patients suffering from various lung conditions and also keeping themselves in tandem with World COPD Day.



Faculty and the undergraduate students conducted focus group meetings with the stakeholders to explore community views on what is an imperative need as perceived by the community. This led to the understanding that the current climatic condition of the UAE, along with the COVID 19 Pandemic, has opened an avenue of many unanswered questions. Therefore, the students identified, that a half-day spent within the OPD of Thumbay University Hospital, Ajman would give an ample opportunity for the students to sensitize and create awareness for the patients and family members visiting the OPD ([Link](#)).





## Free Online Webinars on Health Education

GMU in collaboration with its Academic Healthcare system has offered free online webinars on health education from the period July 1 until the end of August 2021. The objective of the event was to spread the message of 'Touching Life, Health for All'.

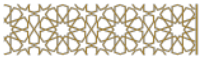


The registered participants of the event were able to avail themselves of free dental consultation alongside an antibody and PCR test at lower prices.

Several free awareness and health education webinars were offered to the global community during this event and participants of these sessions were offered online certificates after their course.



A total of 15,041-community members participated in the webinars across the globe ([Link](#))



## Online Webinars conducted during GMU Academic Health System Summer Festival

Summer Dental Hygiene Tips. -	<b>Total Registrants: 157</b>
Mental Health First Aid.	<b>Total Registrants: 46</b>
Covid 19 & it's after effects on YOUR HEART	<b>Total Registrants: 232</b>
Nutrition Tips to Keep You Cool This Summer	<b>Total Registrants: 40</b>
Orthopedic Work Related and Lifestyle Diseases.	<b>Total Registrants: 396</b>
Women's Health – Putting your health first.	<b>Total Registrants: 46</b>
How to prevent Stroke in Summer.	<b>Total Registrants: 316</b>
Don't let chronic pain rule your summer	<b>Total Registrants: 549</b>
Managing Diabetes and Hypertension	<b>Total Registrants: 81</b>
Preventing Dehydration in the summer.	<b>Total Registrants: 116</b>
Cardiac Care – Heart healthy decisions in Summer	<b>Total Registrants: 629</b>
Varicose Veins - Everything you need to know	<b>Total Registrations: 351</b>
Doctor's advice for good skin care in summer.	<b>Total Registrants: 340</b>
Physical Activity for Children during Summer	<b>Total Registrations: 171</b>
Common Eye Problems in summer.	<b>Total Registrants: 775</b>
Boost your Immunity this summer with Healthy Diet Tips.	<b>Total Registrants: 394</b>
Work Related Orthopedic Injuries and Management	<b>Total Registrations 1108</b>
Summer Dental Hygiene Tips	<b>Total Registrations: 92</b>





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