



DOW UNIVERSITY OF HEALTH SCIENCES

Annual Sustainability Report 2024-25

**SUSTAINABLE
DEVELOPMENT GOAL**

17 **PARTNERSHIPS
FOR THE GOALS**



PARTNERSHIP FOR THE GOALS – SDG 17

Collaboration with NGOs to tackle the SDGs

NIDE–HPF Collaboration for the CDIC Project

- The National Institute of Diabetes and Endocrinology (NIDE), DUHS, partnered with the Health Promotion Foundation (HPF) by signing a Memorandum of Understanding (MoU) on 16th April 2025.
- The MoU was signed under the leadership of Prof. Mohammed Saeed Quraishy, T.I., Meritorious Professor & Vice Chancellor, DUHS, and Prof. Jahan Ara Hasan, Meritorious Professor & Pro Vice Chancellor, DUHS.
- The agreement was formalized by Prof. Abdul Basit (HPF) and Dr. Ashar Afaq, Registrar, DUHS.
- The CDIC clinic at NIDE was inaugurated, offering free insulin, glucometers, and strips to all registered children with type 1 diabetes.
- The Changing Diabetes in Children (CDIC) project is a global initiative led with Novo Nordisk and Roche, currently active in 18 countries. In Pakistan, 26 centers are already functioning, with NIDE becoming the 27th center.
- Dr. Musarrat Riaz, Director of NIDE, emphasized the program's importance in improving quality of life for children with type 1 diabetes.



Dedicated Courses Advancing Sustainability and SDGs

DUHS demonstrates commitment to SDG-focused education by offering dedicated courses and electives addressing sustainability and the SDGs across multiple programs. Examples include: **Fundamentals of Public Health, Environmental & Occupational Health, Reproductive Health & Maternal & Child Health (MCH), Community and Preventive Dentistry, Biomechanics and Ergonomics, International Relations and Current Affairs, Environmental Sciences, Sociology, Development Economics, Legal & Regulatory Environment for Business, Health Policy Economics.**

These courses are integrated into BS Nutrition, MS in Public Health, BBA, BDS, and Doctor of Physical Therapy programs.

Faculty Leadership: Awards, Government Policy Committees, and Council Memberships

Representation in Govt. Policy Making Committee (FY 2024-2025)		
Name of Faculty	Name of Committee/Representation	Name of Organization
Dr. Muhammad Khalid Shafi	Chair, National Immunization Technical Advisory Group (NITAG)	EPI Govt of Pakistan
Dr. Muhammad Khalid Shafi	Member, Technical Advisory Group (TAG) for Polio Eradication	WHO
Dr. Muhammad Khalid Shafi	Member, Immunization Committee	International Pediatric Association (IPA)
Dr. Muhammad Khalid Shafi	Member, National Task Force for Newborn Survival Strategy	Ministry of National Health Govt of Pakistan
Dr. Muhammad Khalid Shafi	Member, TWG Newborn Survival Strategy Sindh	Director General of Health Govt of Sindh

Dr. Muhammad Khalid Shafi	Member, Polio Expert Review Committee	Director General of Health Govt of Sindh
Dr. Muhammad Khalid Shafi	Technical working group for Rabies control and Prevention.	Director General of Health Govt of Sindh.
Dr. Muhammad Khalid Shafi	Technical working Group for HPV Vaccine in Sindh	Secretary Health Govt of Sindh.
Dr. Muhammad Khalid Shafi	Member Breast Feeding Steering Committee Sindh	Health Department Govt of Sindh.
Dr. Muhammad Khalid Shafi	Member TAG to Infant feeding Board Sindh	Health Department Govt of Sindh.
Prof. Dr. Ambrina Qureshi	Journal Recognition Committee – Health & Biological Science	Higher Education Commission, Islamabad
Dr. M. Khawaja Hamaduddin	National Curriculum Review Committee for Allied Health Sciences	Higher Education Commission Islamabad
Dr. Anab Fatima	National Curriculum Revision Committee	HEC
Dr. Shumaila Aman	National Curriculum Council / Faculty Expert	National Curriculum Council, Ministry of Federal Education and Professional Training (MoFEPT), Government of Pakistan.
Prof. Dr. Noor Jahan	Pharmacy Council of Pakistan	Ministry of National Health Services, GoP

Membership in Various Associations/Councils		
Name of Faculty	Name of Committee/Representation	Name of Council/Association
Dr. Muhammad Khalid Shafi	Member GNN	Global Network of NITAGS WHO
Dr. Muhammad Khalid Shafi	Joint Secretary	SAPA South Asia Pediatric Association
Dr. Muhammad Khalid Shafi	Member Executive Committee	Pakistan Pediatric Association
Dr. Muhammad Khalid Shafi	Life Member	Pakistan Medical Association
Prof. Dr. Ambrina Qureshi	Prof. Dr. Ambrina Qureshi	British Association for the Study of Community Dentistry (BASCD)
Prof. Dr. Ambrina Qureshi	Allied Healthcare Professionals	Association of Healthcare Professionals- Globally
Prof. Dr. Ambrina Qureshi	Pakistan Chapter	International Association of Dental Oral and Craniofacial Research
Prof. Dr. Ambrina Qureshi	Research and Innovation Section	United Kingdom Research and Innovation Funding Service
Dr Muhammad Khawaja Hammad Uddin	Fellow of NAHE	National Higher Education Academy (NAHE), HEC
Prof. Dr. Sumbul Shamim	Member	Member American Society of Gene and Cell Therapy; Member American Society of Experimental Pharmacology and Therapeutics; Member of Pakistan Pharmacological Society.

Dr. Fakhsheena Anjum	Lifetime member	Pakistan Biological Safety Association
Dr. Shumaila Aman	American Society for Microbiology / Member	American Society for Microbiology
Prof. Dr. Farhan Vakani	Member	The Australian & New Zealand Association for Health Professional Educators

Intercontinental Tri-Partite Telerobotic

DUHS, through visiting faculty Prof. Asif Chaudry, participated in the world's first Intercontinental Tri-Partite Telerobotic Surgery on 24 July, 2025, in collaboration with CUHK Medicine (Hong Kong), Renji Hospital Shanghai (China), and Imperial College London (UK). Surgeons in London and Shanghai operated simultaneously on a patient in Hong Kong, bridging 20,000 km with just an 80-millisecond latency.

This milestone directly aligns with SDG Goal 17 (Partnerships for the Goals), as it highlights the power of international collaboration in advancing healthcare innovation.

The achievement demonstrates how knowledge-sharing and global partnerships can overcome geographical limitations in medical science.

DUHS's involvement places Pakistan at the forefront of a groundbreaking medical milestone, strengthening its visibility in global health networks.

DOW UNIVERSITY OF HEALTH SCIENCES

World's First Intercontinental Tri-Partite Telerobotic Surgery

We are proud to announce that **Prof. Asif Chaudry**, Adjunct Professor from Dow University of Health Sciences (DUHS), played a vital role in a historic surgical breakthrough.

- CUHK Medicine (Hong Kong)
- Renji Hospital, Shanghai Jiao Tong University (China)
- Imperial College London (United Kingdom)

- Distance Bridged: 20,000 km
- Latency: Just 80 milliseconds

DUHS was represented by our honorary faculty members of surgery, who stood at the frontier of global medical innovation.

This landmark surgery was simultaneously performed with surgeons operating from London and Shanghai, while the patient was in Hong Kong—marking the first successful tri-continental robotic surgery in the world.

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The initiative also shows how partnerships can accelerate the adoption of cutting-edge technologies in developing countries, fostering collective progress toward better healthcare access and innovation. This collaboration serves as a model for future joint ventures, proving that partnerships are essential for achieving shared goals and advancing global well-being.

PNRA Workshop at Dow Institute of Radiology

Dow Institute of Radiology, DUHS, hosted the PNRA Workshop on Nuclear Safety and Radiological Sciences, bringing together experts, faculty, and healthcare professionals for an in-depth exchange on best practices and innovation in radiology on 31 December, 2024. The sessions emphasized radiation safety, diagnostic accuracy, and the integration of global knowledge into local healthcare systems.

This workshop highlighted the importance of collaborative learning where professionals from diverse backgrounds came together to enhance their understanding of nuclear and radiological sciences. It not only improved participants' professional capacity but also created lasting connections between institutions and experts.

Alignment with SDG 17 (Partnerships for the Goals): The initiative directly reflects SDG 17 by fostering institutional collaboration and knowledge-sharing. Through such partnerships, DUHS continues to strengthen Pakistan's healthcare sector with global expertise, ensuring safer diagnostic practices and sustainable medical innovation.



Advanced Emergency Bootcamp at DUHS

On December 30, 2024, DUHS, in collaboration with IPPA, CHALO, and PSEM, organized the Advanced Emergency Bootcamp at Ojha Campus. Under the leadership of Prof. Mohammed Saeed Quraishy and international experts, the program trained healthcare professionals in lifesaving emergency medicine techniques through simulations and hands-on practice.

The bootcamp represented DUHS's commitment to saving lives by preparing healthcare providers to respond effectively during critical emergencies.

The training directly advanced SDG 3 by building emergency response capacity in Pakistan's healthcare system. The collaboration with local and international partners reflected SDG 17, showcasing how partnerships can strengthen medical education and practice.



CME Workshop: Separated Instrument Removal in Dentistry

On May 27, 2025, Dow Dental College organized a CME-accredited workshop on separated instrument removal in dentistry, led by Prof. Dr. Arshad Hasan with co-facilitators Dr. Javeria Ali Khan and Dr. Samia Ali. Participants gained hands-on exposure to advanced endodontic techniques, enhancing their diagnostic and procedural expertise in dental practice. Such training ensures that dentists remain updated with global standards of care.

Furthermore, the collaborative nature of the program, with facilitators and participants sharing expertise, reflects SDG 17 (Partnerships) in advancing clinical knowledge. Collectively, this initiative enhances both academic growth and practical competence, leading to stronger healthcare delivery systems.

MoU with Auqaf Department, Government of Sindh

On January 10, 2025, DUHS signed an MoU with the Auqaf & Religious Affairs Department, Government of Sindh. Through this collaboration, funds were allocated for providing free OPD consultations, laboratory investigations, emergency care, and inpatient services to underprivileged patients. The initiative reflects DUHS's ongoing commitment to community health and social welfare.



This MoU aligns directly with SDG 3 (Good Health and Well-being) by expanding access to essential healthcare services for marginalized populations who otherwise face financial barriers. It also supports SDG 17 (Partnerships for the Goals) by fostering collaboration between a public health institution and a government department to address community health needs collectively. By ensuring that no patient is denied treatment due to inability to pay, the initiative promotes equity and inclusivity in healthcare, contributing to a healthier society.

Voluntary Blood Donation Camp

On January 11, 2025, the DUHS Blood Center, in collaboration with the Relay Foundation, organized a voluntary blood donation camp. Students, faculty, staff, and volunteers actively participated, ensuring a safe and sufficient blood supply for critical patients. The event promoted a culture of altruism, community engagement, and health awareness.

It also supports SDG 17 (Partnerships for the Goals) through collaboration with a non-governmental foundation to strengthen healthcare delivery. By fostering community responsibility and collective participation, the camp encouraged social solidarity and built a sustainable blood donation culture. Ultimately, it represents a model of shared responsibility in healthcare, ensuring that patients receive timely and safe transfusions.



CME Programs at DIPMR

The Dow Institute of Physical Medicine & Rehabilitation (DIPMR) conducted CME programs focusing on neurological assessment, neurodevelopmental treatments (NDTs), and cardiac rehabilitation. Postgraduate students and faculty demonstrated advanced rehabilitation techniques, combining theory with practical applications to improve patient outcomes.



Moreover, collaboration between faculty, students, and medical practitioners embodies SDG 17 (Partnerships) in strengthening institutional capacity and knowledge exchange. Through these CME programs, DUHS enhances professional development, ensuring that patients receive modern, evidence-based rehabilitation care.

Participation in 21st International Pharmacy Conference (IPCE)

From December 29, 2024, to January 1, 2025, DUHS faculty actively participated in the 21st International Pharmacy Conference (IPCE) in Lahore. Dr. Fakhshena Anjum served as a plenary speaker, chaired sessions, and represented DUHS at the national platform, showcasing its academic and research strengths.



This initiative aligns with SDG 17 (Partnerships for the Goals). By engaging in a national-level conference, DUHS fostered collaboration, networking, and knowledge sharing with leading pharmacy professionals. Such partnerships enhance research opportunities, strengthen

institutional reputation, and promote collective progress in pharmaceutical sciences. The participation reflects DUHS's commitment to building academic alliances for sustainable development.

Academic & Cultural Exchange with Prof. Chantha Jayawardena



On May 22–23, 2025, DUHS hosted Prof. Chantha Jayawardena from the University of Peradeniya, Sri Lanka, at DIKIOHS. She delivered a lecture on AI in dental education and visited multiple departments, engaging with students and faculty to exchange academic insights.

This event supports SDG 17 (Partnerships for the Goals). Through international collaboration

and cross-cultural academic exchange, DUHS strengthened its global presence and fostered knowledge-sharing networks. Building such partnerships not only advances academic innovation but also promotes global solidarity in higher education. These

collaborations enhance institutional capacity, bring fresh perspectives, and ensure DUHS remains part of the global academic dialogue.

DUHS as Strategic Partner at the 21st Health Asia Exhibition

Dow University of Health Sciences (DUHS) made a remarkable impact as the Strategic Partner at Pakistan's largest health sector event, the 21st Health Asia International Exhibition & Conference, held at the Karachi Expo Center from October 17–19, 2024. The event brought together healthcare leaders, policymakers, researchers, and industry stakeholders, offering a unique platform for knowledge exchange and collaboration.

This initiative directly contributes to SDG 17 (Partnerships for the Goals). By leading at such a large-scale platform, DUHS not only fostered collaborative linkages with national and international institutions but also promoted Pakistan's growing contribution to the global healthcare landscape. The event strengthened academic-industry-government partnerships and showcased DUHS's commitment to innovation and sustainable health development.

As a strategic partner, DUHS showcased cutting-edge innovations from its leading departments and institutes, including the Dow Diagnostic Research & Reference Laboratory (DDRRL), Dow Institute of Radiology (DIR), Institute of Biological, Biochemical & Pharmaceutical Sciences (IBBPS), Institute of Life Sciences (DILS), Skills Development Centre (DSDC), Institute for Advanced Biological and Animal Research (DIABAR), and its distinguished dental colleges (DDC, DIDC, DIKIOHS). These exhibits highlighted advancements in diagnostics, radiology, life sciences, pharmaceutical research, medical training, and dental innovation.



The participation was further strengthened by the dedicated efforts of the Office of Research, Innovation, and Commercialization (ORIC) and the Department of Alumni, Marketing, and Communication, who ensured DUHS's prominent visibility at the event. Engaging both national and international visitors, DUHS reinforced its role as a pioneer in healthcare education and research in Pakistan.

